

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065951.D
 Acq On : 16 Jul 2020 12:04
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Jul 17 03:47:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

7/17/2020 4:43:37 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	378554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	546462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	498168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250360	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	142254	42.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.80%	
35) Dibromofluoromethane	7.91	113	154413	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
50) Toluene-d8	10.34	98	571529	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
62) 4-Bromofluorobenzene	12.63	95	200381	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	150411	44.694	ug/l	96
3) Chloromethane	2.21	50	137042	41.078	ug/l	96
4) Vinyl Chloride	2.35	62	132512	43.259	ug/l	95
5) Bromomethane	2.77	94	84856	43.732	ug/l	95
6) Chloroethane	2.92	64	80719	44.082	ug/l	89
7) Trichlorofluoromethane	3.27	101	327605	49.900	ug/l	99
8) Diethyl Ether	3.71	74	88312	49.032	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	204752	52.139	ug/l	97
10) Methyl Iodide	4.30	142	219825	52.987	ug/l	99
11) Tert butyl alcohol	5.21	59	52293	247.979	ug/l	100
12) 1,1-Dichloroethene	4.07	96	186309	50.783	ug/l	98
13) Acrolein	3.91	56	39777	234.731	ug/l	98
14) Allyl chloride	4.71	41	306208	49.252	ug/l	98
15) Acrylonitrile	5.42	53	197780	250.802	ug/l	98
16) Acetone	4.16	43	224729	285.828	ug/l #	89
17) Carbon Disulfide	4.41	76	560505	47.949	ug/l	100
18) Methyl Acetate	4.72	43	84412	45.801	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	404034	52.019	ug/l	99
20) Methylene Chloride	4.96	84	242055	57.153	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	211528	51.246	ug/l	93
22) Diisopropyl ether	6.36	45	585999	50.155	ug/l	98
23) Vinyl Acetate	6.30	43	1691181	253.586	ug/l	99
24) 1,1-Dichloroethane	6.26	63	351208	50.411	ug/l	98
25) 2-Butanone	7.21	43	264485	254.573	ug/l	99
26) 2,2-Dichloropropane	7.20	77	324399	53.226	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	227885	51.383	ug/l	97
28) Bromochloromethane	7.54	49	118575	45.054	ug/l	95
29) Tetrahydrofuran	7.56	42	156950	237.572	ug/l	97
30) Chloroform	7.71	83	356617	50.491	ug/l	93
31) Cyclohexane	7.98	56	331451	48.353	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	337928	52.428	ug/l	100
36) 1,1-Dichloropropene	8.11	75	291972	54.098	ug/l	99
37) Ethyl Acetate	7.29	43	111335	49.233	ug/l #	94
38) Carbon Tetrachloride	8.10	117	314594	54.383	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	363661	54.883	ug/l	97
40) Benzene	8.35	78	798593	53.560	ug/l	100
41) Methacrylonitrile	7.53	41	61296m	46.686	ug/l	
42) 1,2-Dichloroethane	8.42	62	214368	50.750	ug/l	99
43) Isopropyl Acetate	8.45	43	219401	52.123	ug/l	97
44) Trichloroethene	9.11	130	240902	54.989	ug/l	97
45) 1,2-Dichloropropane	9.39	63	196166	53.008	ug/l	100
46) Dibromomethane	9.48	93	101211	52.532	ug/l	94
47) Bromodichloromethane	9.66	83	273710	52.961	ug/l	100
48) Methyl methacrylate	9.46	41	102321	48.287	ug/l	89
49) 1,4-Dioxane	9.46	88	22931	1001.681	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	549298	258.121	ug/l	98
52) Toluene	10.40	92	528512	55.716	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	263424	54.208	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	309874	52.772	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	143764	54.158	ug/l	98
56) Ethyl methacrylate	10.66	69	181520	55.986	ug/l	95
57) 1,3-Dichloropropane	10.95	76	245794	52.946	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	368366	234.596	ug/l	99
59) 2-Hexanone	10.98	43	406083	277.465	ug/l	100
60) Dibromochloromethane	11.14	129	196083	54.066	ug/l	100
61) 1,2-Dibromoethane	11.25	107	140648	53.141	ug/l	100
64) Tetrachloroethene	10.88	164	207731	57.340	ug/l	96
65) Chlorobenzene	11.67	112	554247	55.209	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	208626	55.562	ug/l	100
67) Ethyl Benzene	11.74	91	988777	55.442	ug/l	97
68) m/p-Xylenes	11.86	106	769600	113.580	ug/l	97
69) o-Xylene	12.18	106	354625	57.453	ug/l	97
70) Styrene	12.20	104	604724	56.754	ug/l	100
71) Bromoform	12.37	173	116839	54.991	ug/l #	100
73) Isopropylbenzene	12.48	105	973746	55.729	ug/l	97
74) N-amyl acetate	12.29	43	198733	50.687	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	149265	51.456	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	103169m	49.124	ug/l	
77) Bromobenzene	12.76	156	237650	56.077	ug/l	96
78) n-propylbenzene	12.83	91	1142002	55.748	ug/l	99
79) 2-Chlorotoluene	12.91	91	640372	55.103	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	807494	56.501	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	51456	52.645	ug/l	98
82) 4-Chlorotoluene	13.01	91	664238	54.478	ug/l	98
83) tert-Butylbenzene	13.23	119	710371	58.342	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	792571	55.712	ug/l	98
85) sec-Butylbenzene	13.40	105	992956	57.544	ug/l	99
86) p-Isopropyltoluene	13.52	119	910439	57.685	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	439610	55.436	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	438216	55.391	ug/l	99
89) n-Butylbenzene	13.84	91	849414	57.311	ug/l	100
90) Hexachloroethane	14.11	117	177335	55.718	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	386218	55.723	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25563	52.701	ug/l	96

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Manual Integrations
APPROVED

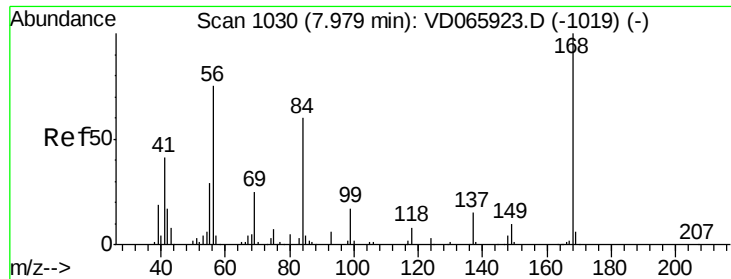
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	292828	59.280	ug/l	97
94) Hexachlorobutadiene	15.27	225	183265	61.333	ug/l	98
95) Naphthalene	15.40	128	474417	57.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	249520	58.561	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 378554

Ion Ratio Lower Upper

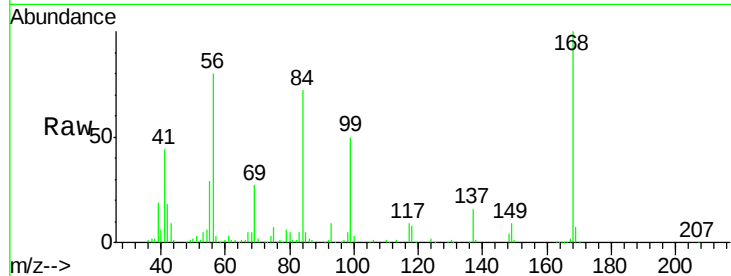
168 100

99 49.8 43.1 64.7

Manual Integrations

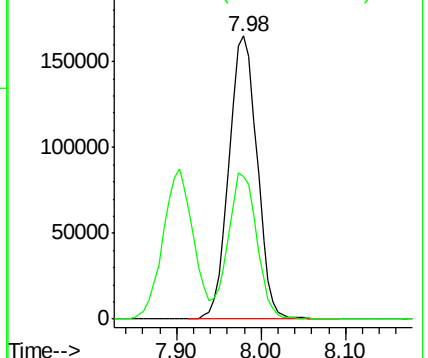
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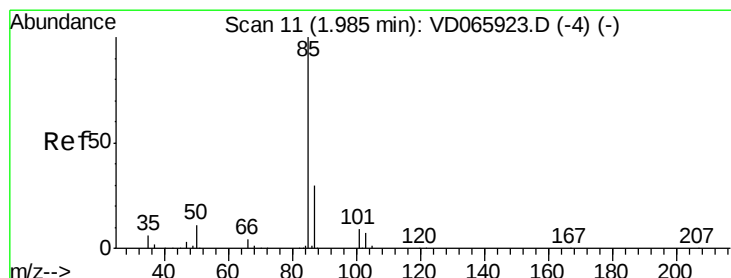
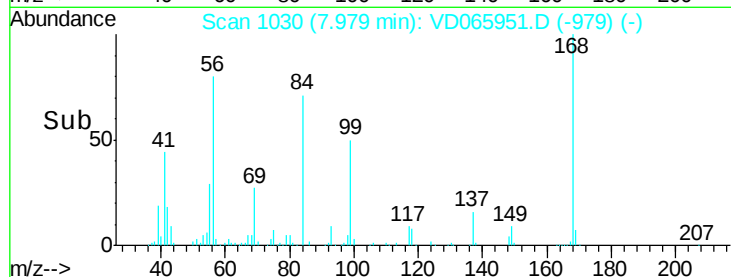


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



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#2

Dichlorodifluoromethane

Concen: 44.694 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065951.D

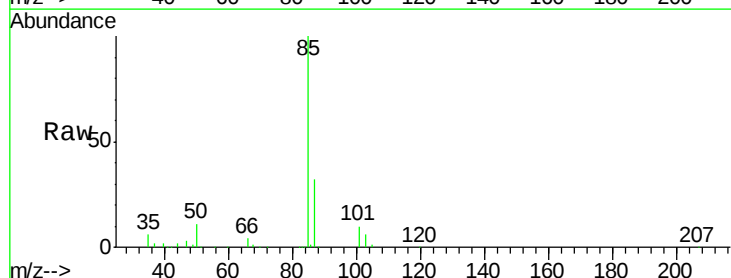
Acq: 16 Jul 2020 12:04

Tgt Ion: 85 Resp: 150411

Ion Ratio Lower Upper

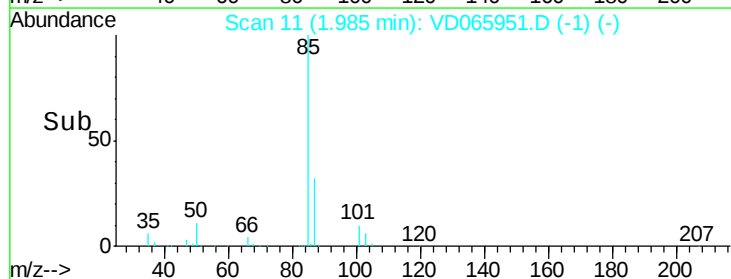
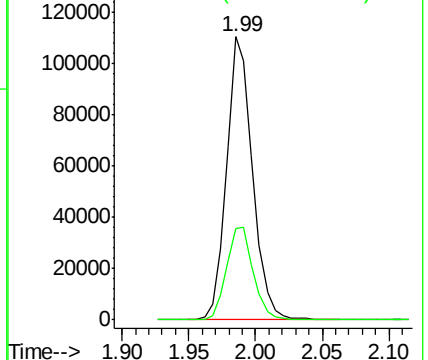
85 100

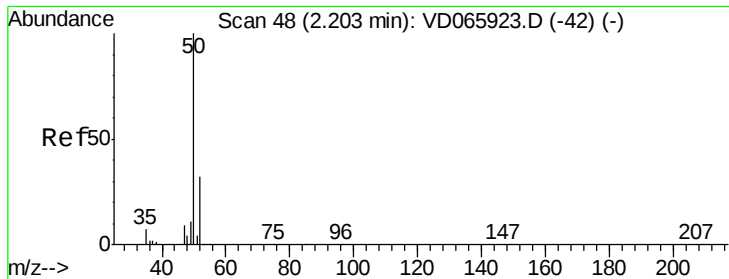
87 32.1 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.078 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 137042

Ion Ratio Lower Upper

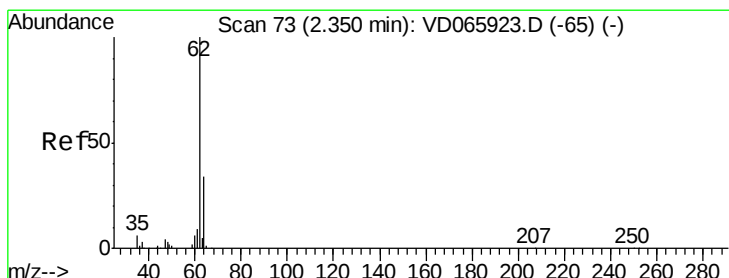
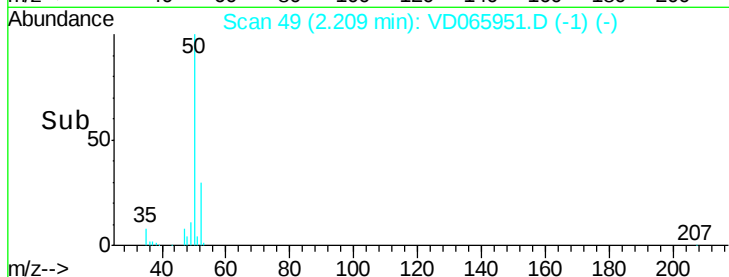
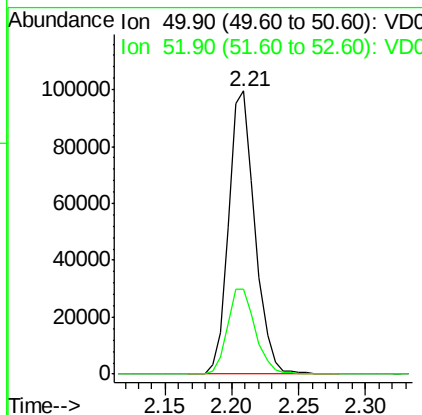
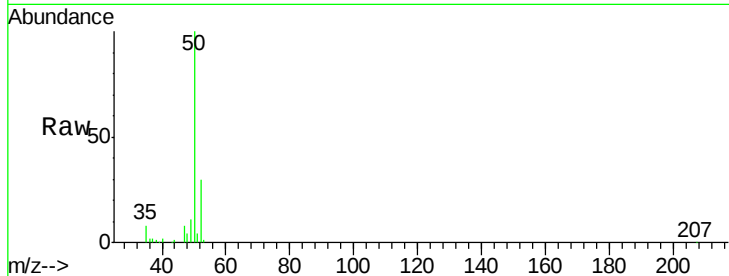
50 100

52 29.9 25.6 38.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 43.259 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065951.D

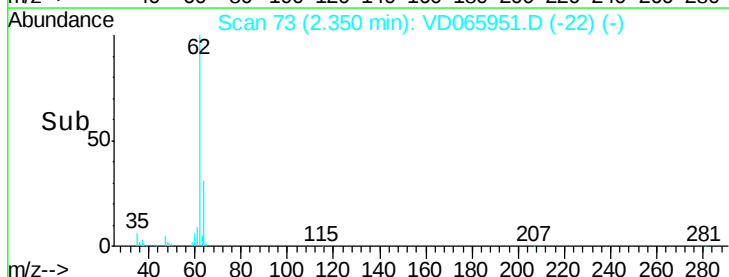
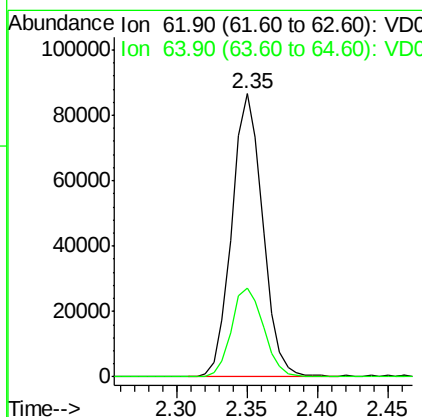
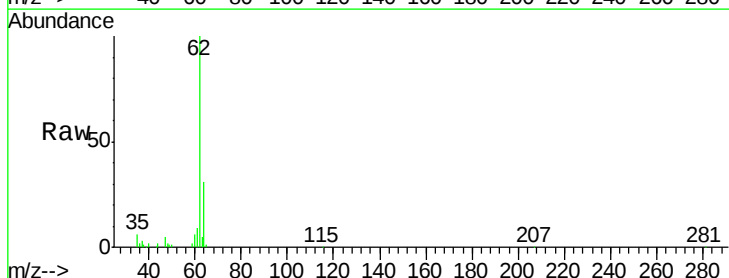
Acq: 16 Jul 2020 12:04

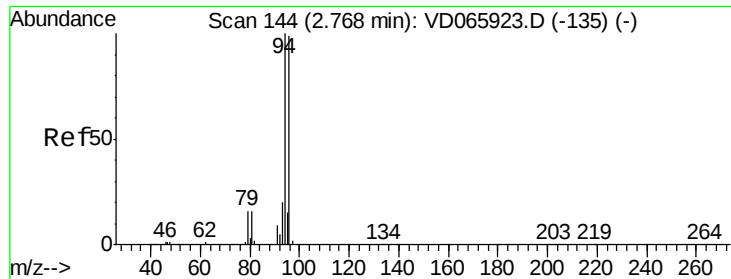
Tgt Ion: 62 Resp: 132512

Ion Ratio Lower Upper

62 100

64 31.3 27.2 40.8





#5

Bromomethane

Concen: 43.732 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 84856

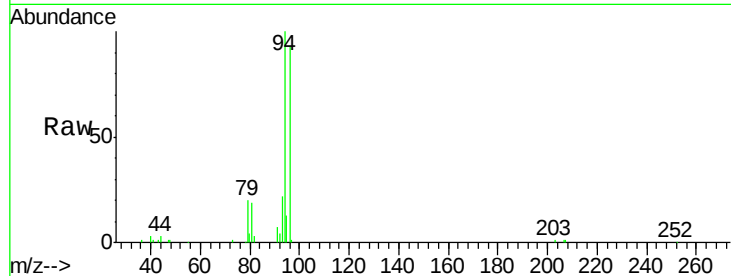
Ion Ratio Lower Upper

94 100

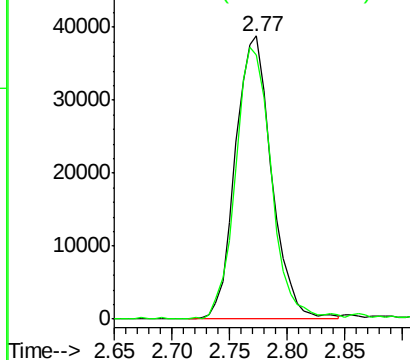
96 93.2 78.8 118.2

Manual Integrations
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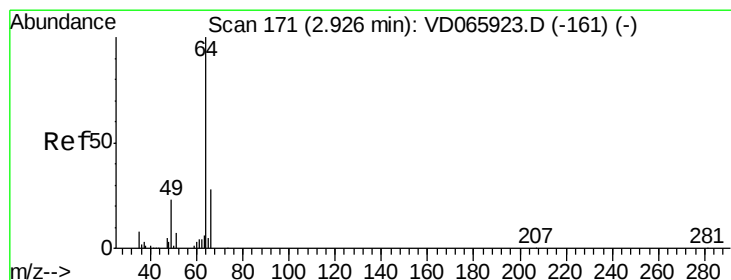
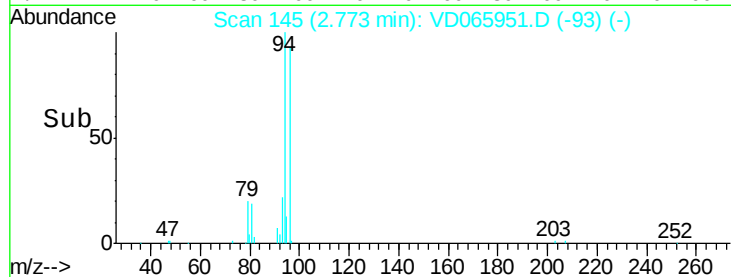
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Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



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#6

Chloroethane

Concen: 44.082 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065951.D

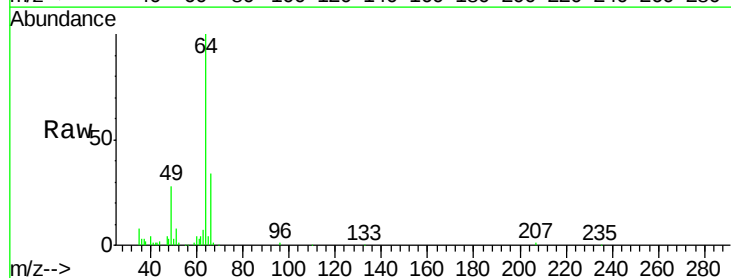
Acq: 16 Jul 2020 12:04

Tgt Ion: 64 Resp: 80719

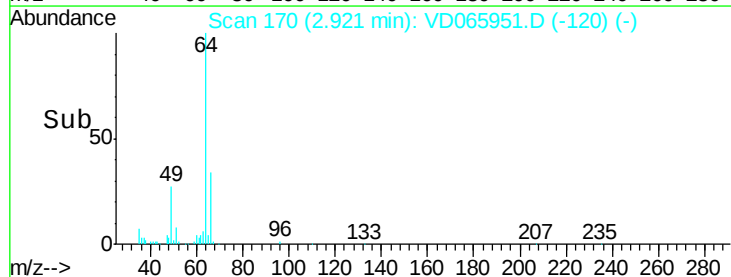
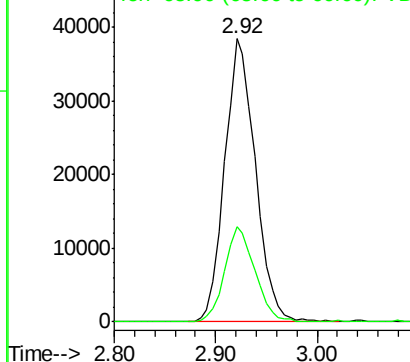
Ion Ratio Lower Upper

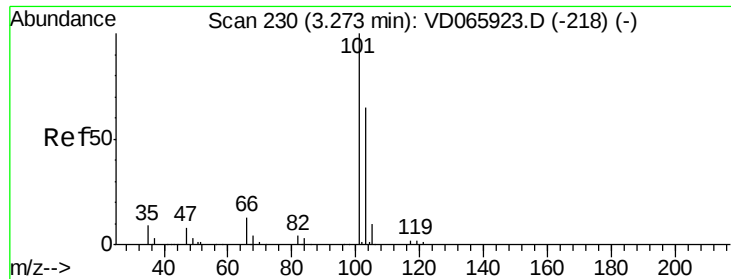
64 100

66 33.8 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

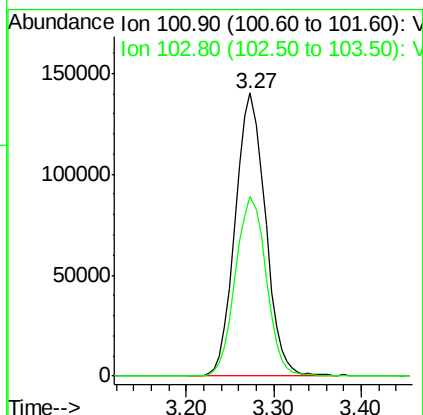
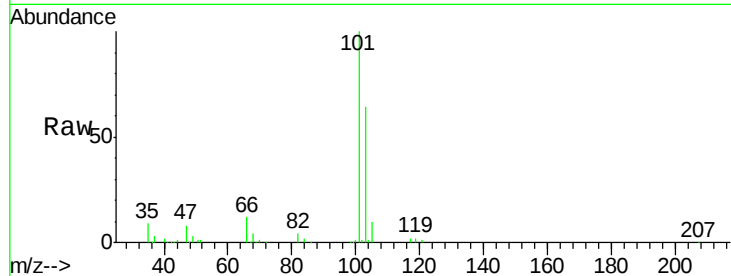
Trichlorofluoromethane
Concen: 49.900 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
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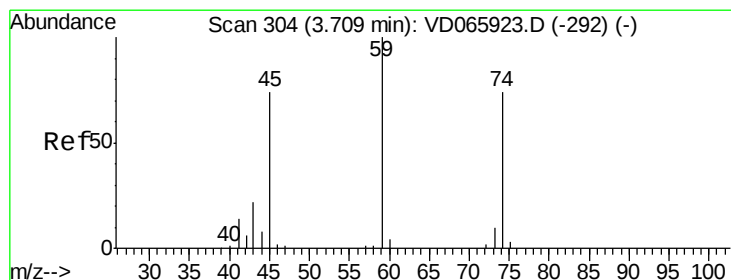
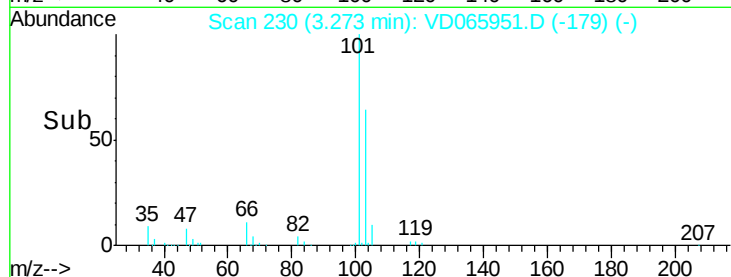
Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.7	77.5

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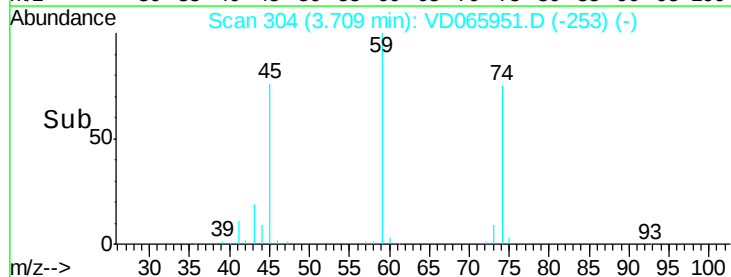
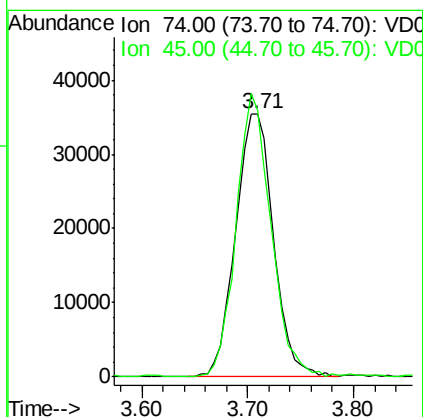
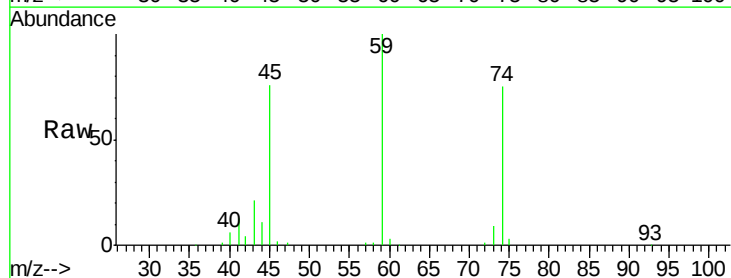
7/17/2020 4:43:37 PM

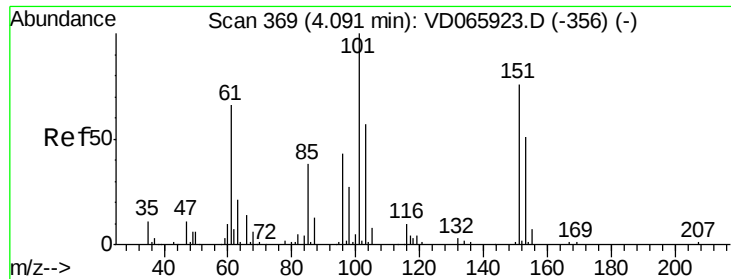


#8

Diethyl Ether
Concen: 49.032 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	51.1	153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.139 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

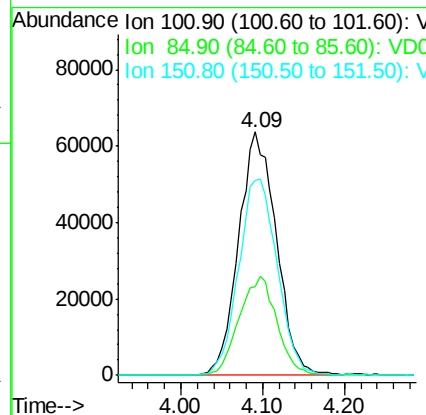
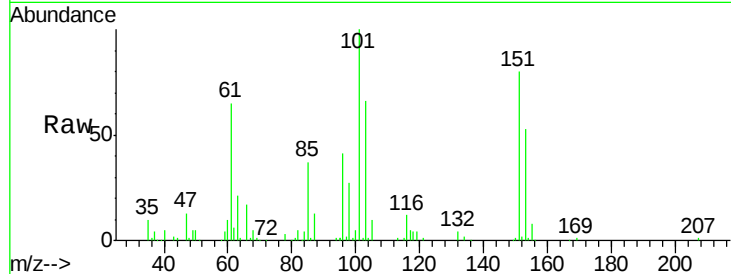
ClientSampleId :

VSTDCCC050

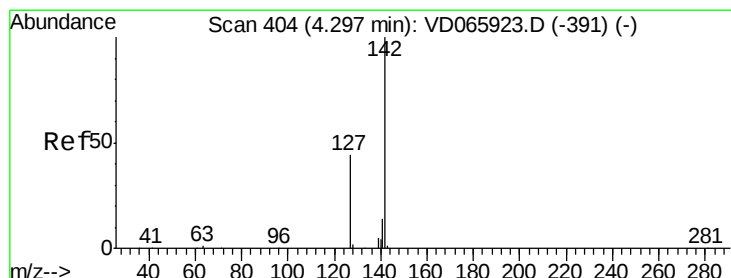
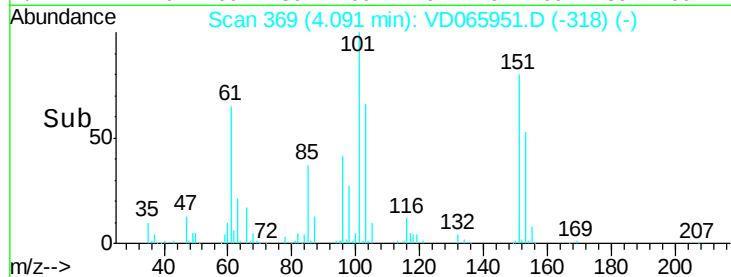
Tot Ion:	101	Resp:	204752
Ion Ratio	Lower	Upper	
101	100		
85	40.6	33.8	50.8
151	82.5	64.1	96.1

Manual Integrations
APPROVED

MM Dadoda



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#10

Methyl Iodide

Concen: 52.987 ug/l

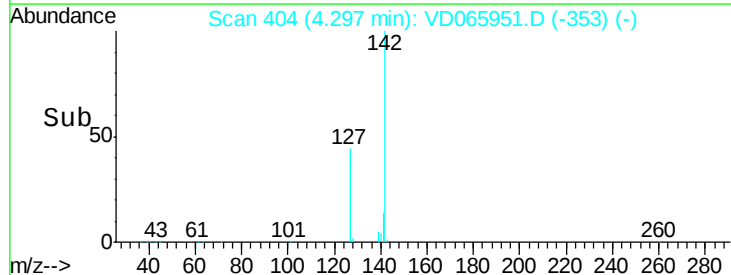
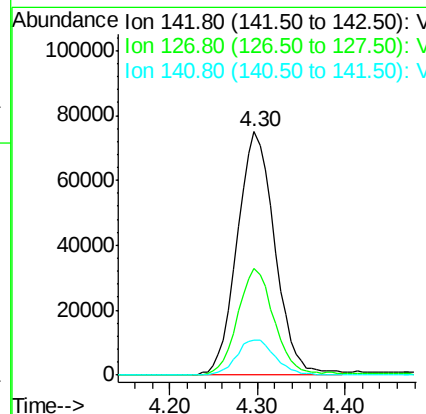
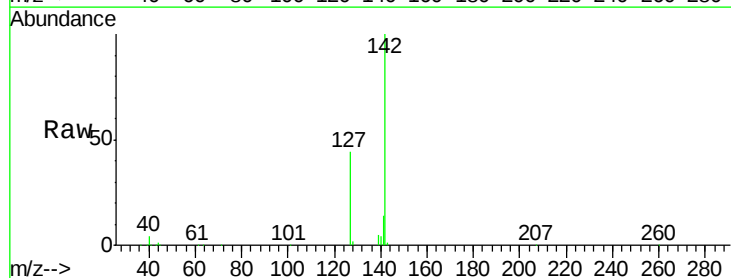
RT: 4.30 min Scan# 404

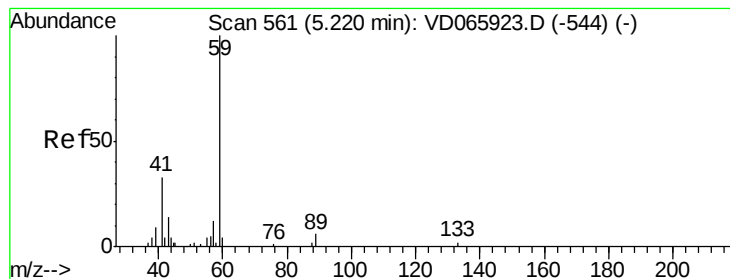
Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Tgt Ion:	142	Resp:	219825
Ion Ratio	Lower	Upper	
142	100		
127	42.1	34.6	51.8
141	14.9	11.6	17.4





#11

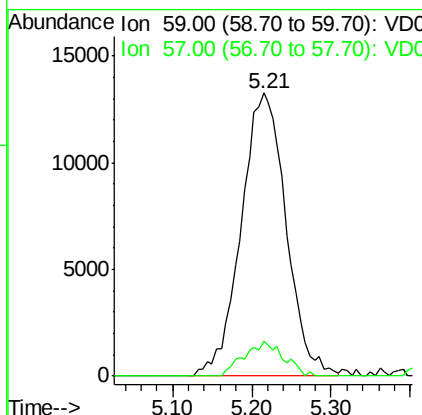
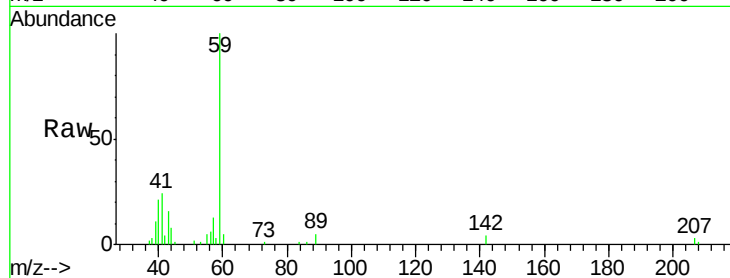
Tert butyl alcohol
Concen: 247.979 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

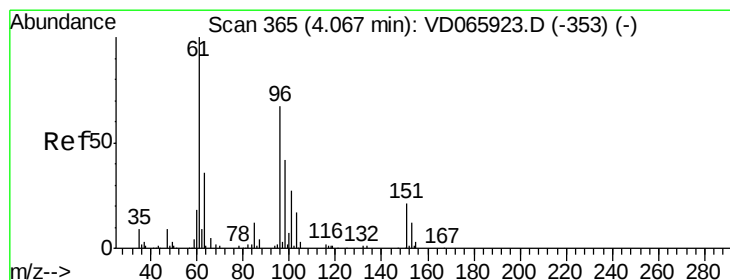
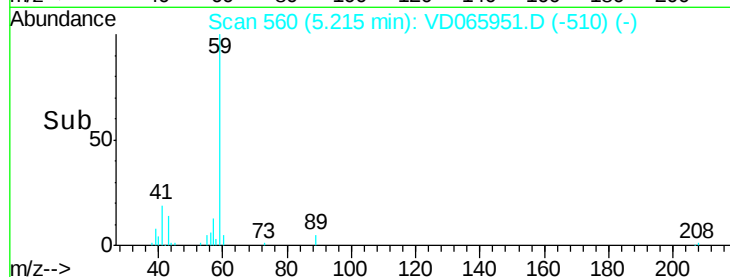
Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda



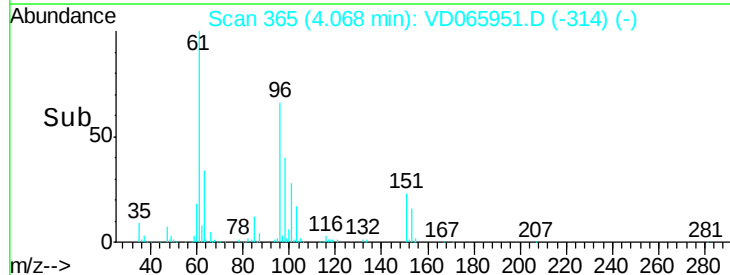
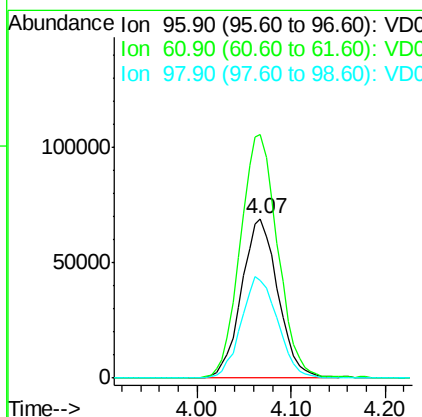
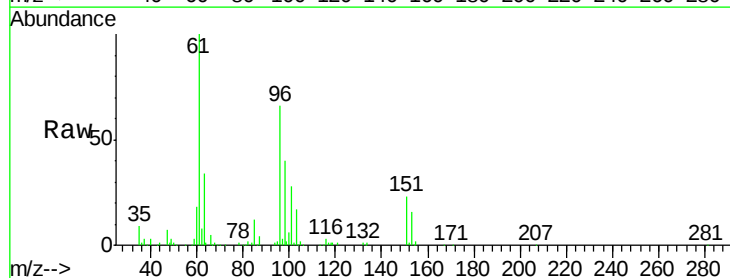
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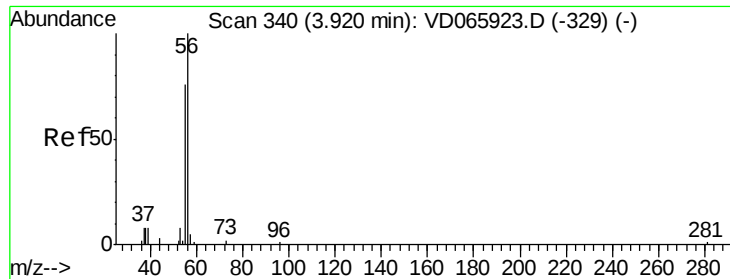


#12

1,1-Dichloroethene
Concen: 50.783 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.6	120.2	180.2
98	61.1	50.6	76.0





#13

Acrolein

Concen: 234.731 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39777

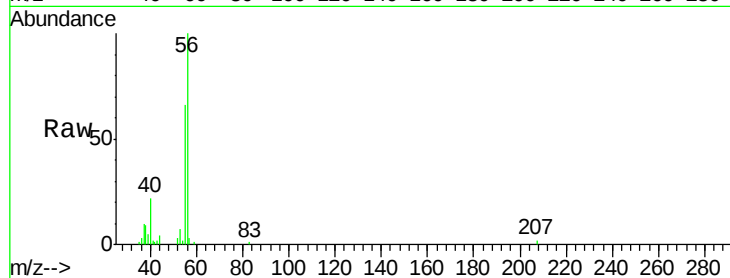
Ion Ratio Lower Upper

56 100

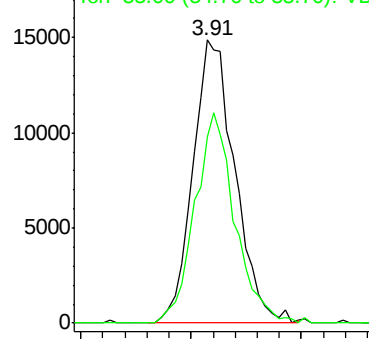
55 70.6 55.0 82.6

Manual Integrations
APPROVED

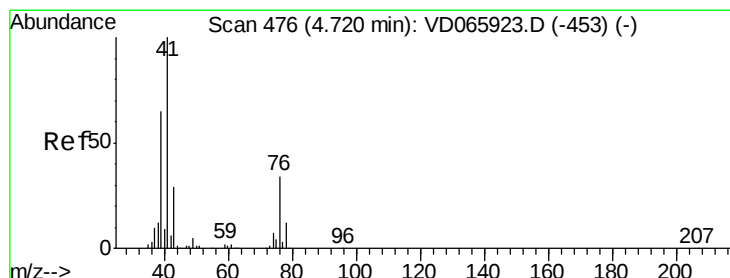
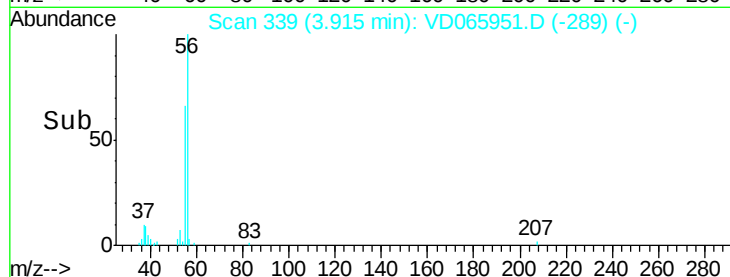
MMDadoda



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



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#14

Allyl chloride

Concen: 49.252 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

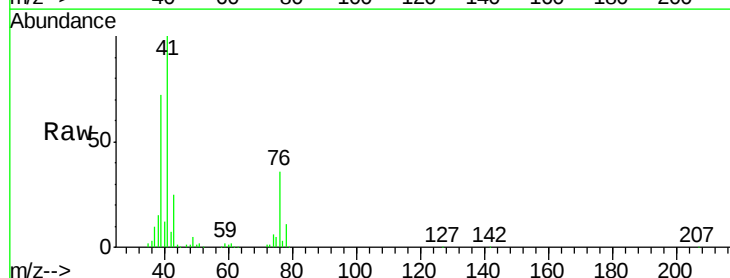
Tgt Ion: 41 Resp: 306208

Ion Ratio Lower Upper

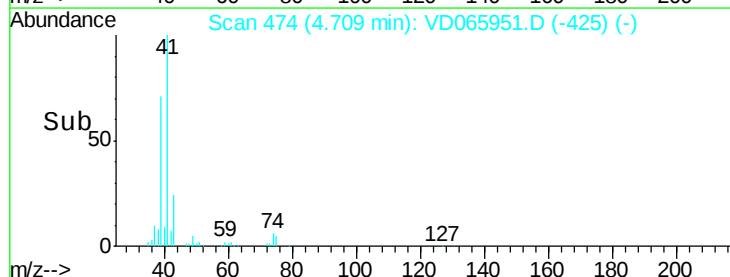
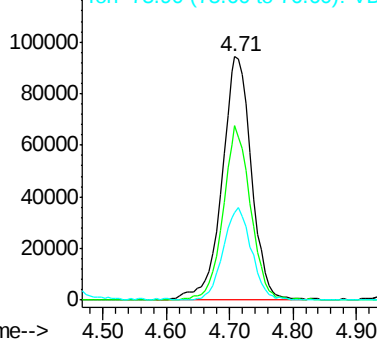
41 100

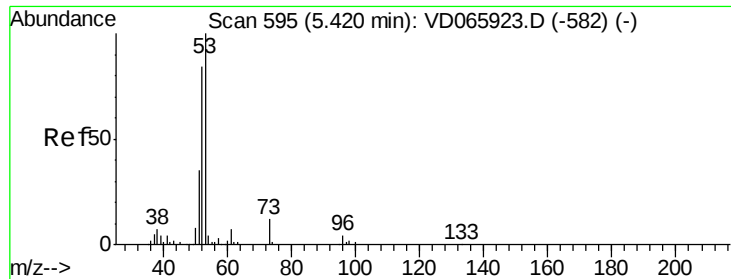
39 66.9 52.2 78.4

76 35.7 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 250.802 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

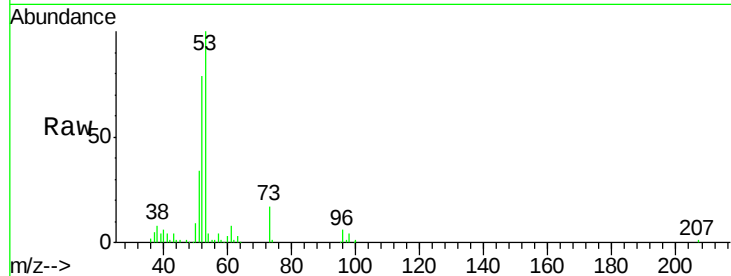
ClientSampleId :

VSTDCCC050

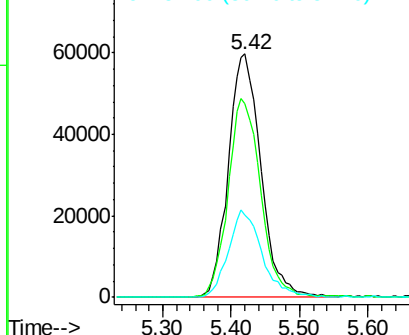
Tot Ion:	53	Resp:	197780
Ion Ratio	Lower	Upper	
53	100		
52	81.0	66.3	99.5
51	36.8	29.8	44.8

Manual Integrations
APPROVED

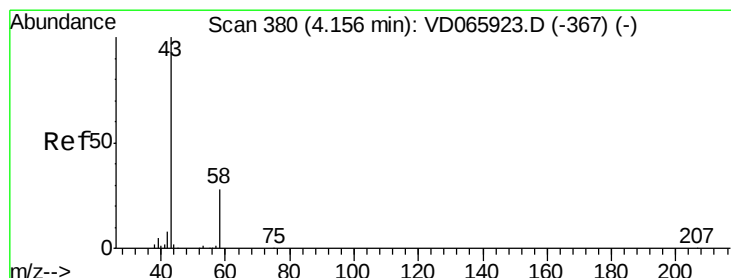
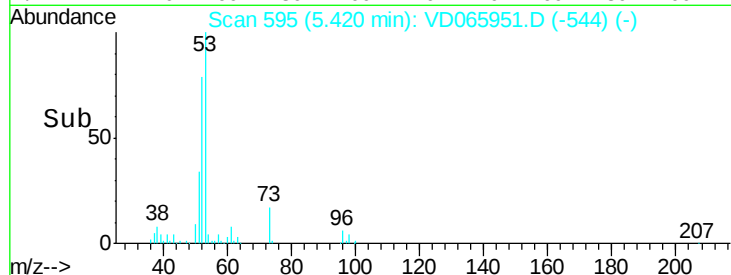
MMDadoda



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



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#16

Acetone

Concen: 285.828 ug/l

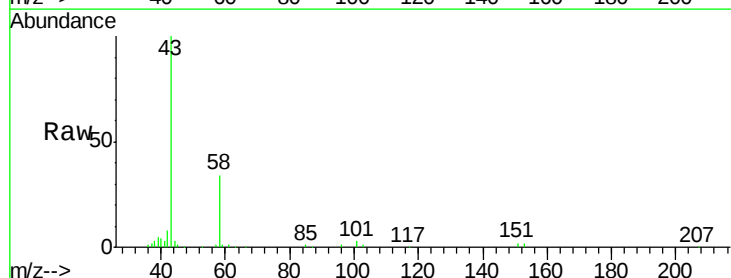
RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

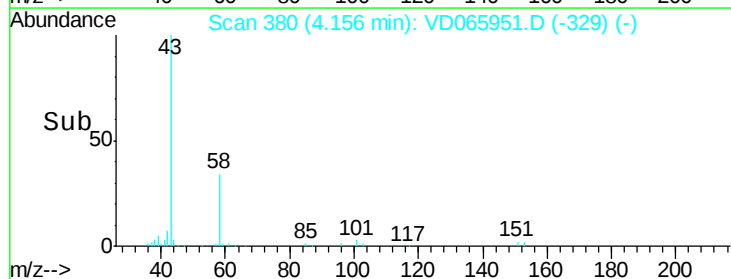
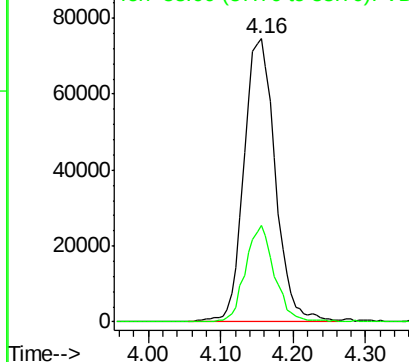
Lab File: VD065951.D

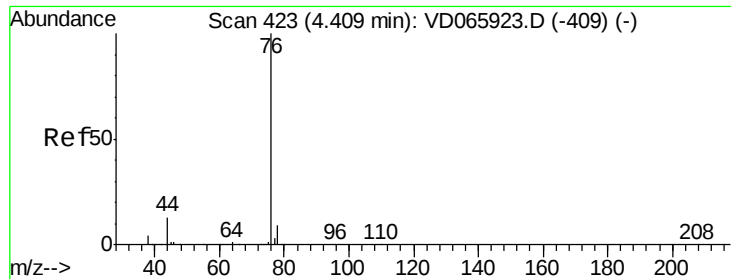
Acq: 16 Jul 2020 12:04

Tgt Ion:	43	Resp:	224729
Ion Ratio	Lower	Upper	
43	100		
58	34.1	22.7	34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





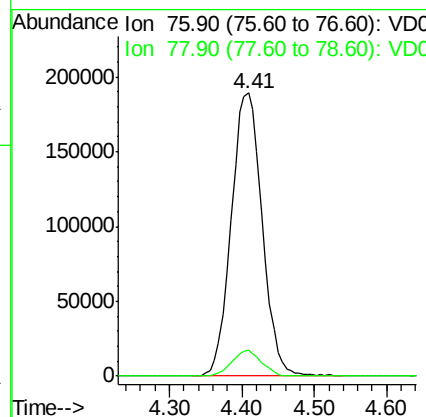
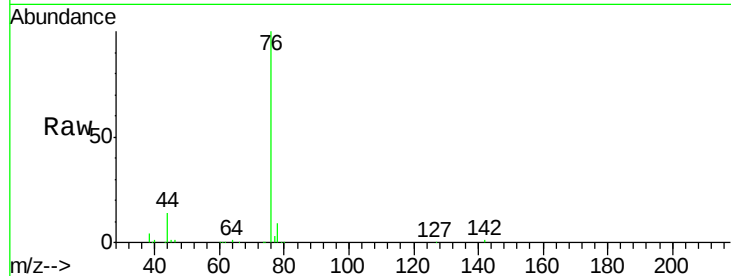
#17
Carbon Disulfide
Concen: 47.949 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

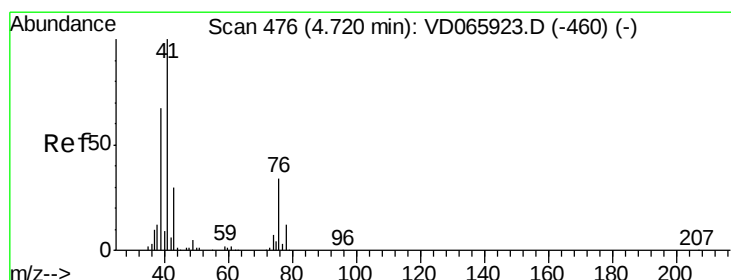
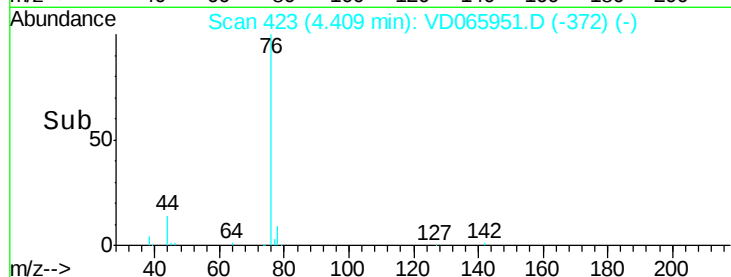
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

Manual Integrations
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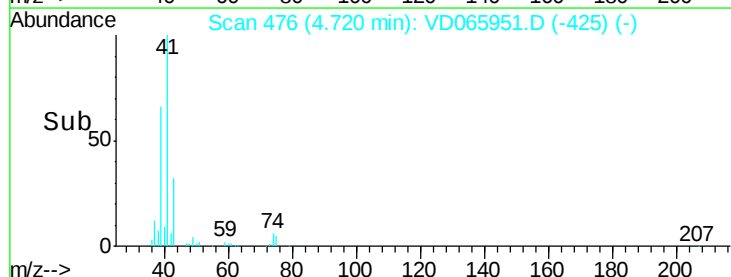
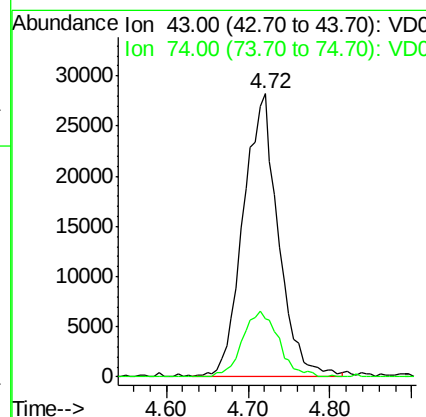
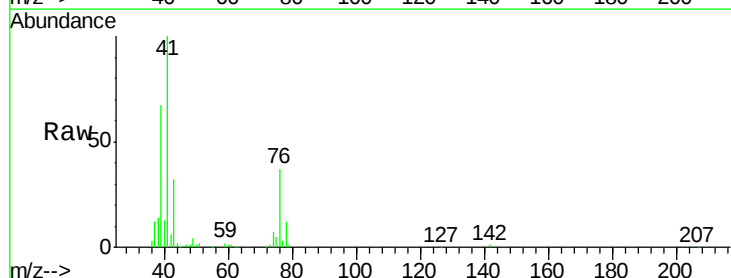


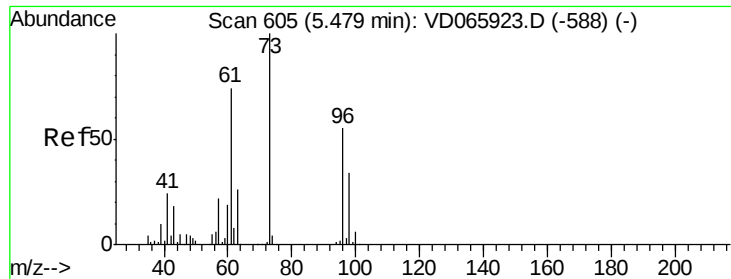
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#18
Methyl Acetate
Concen: 45.801 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	17.8	26.8





#19
Methvl tert-butvl Ether
Concen: 52.019 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

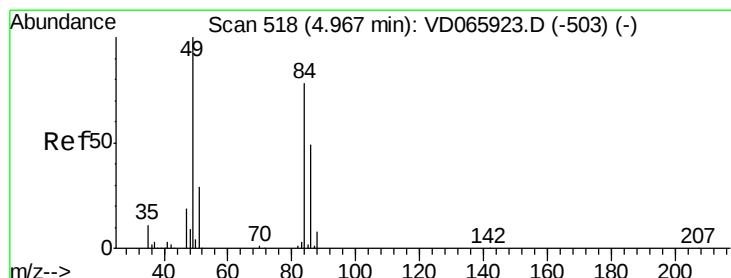
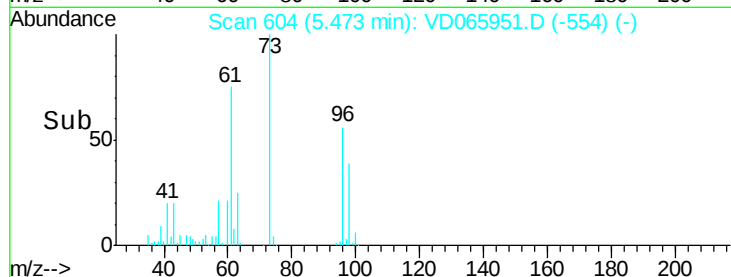
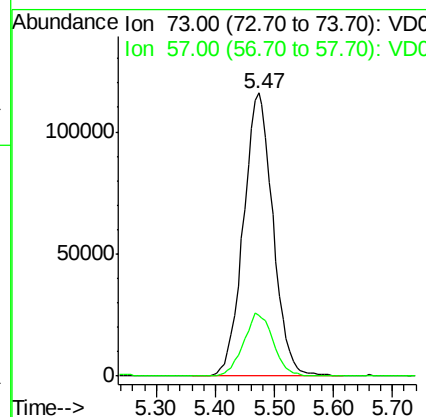
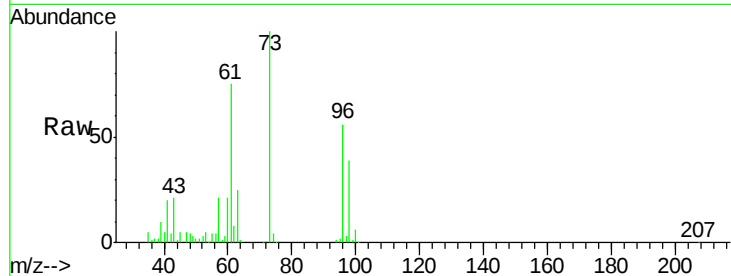
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.7	26.5

Manual Integrations
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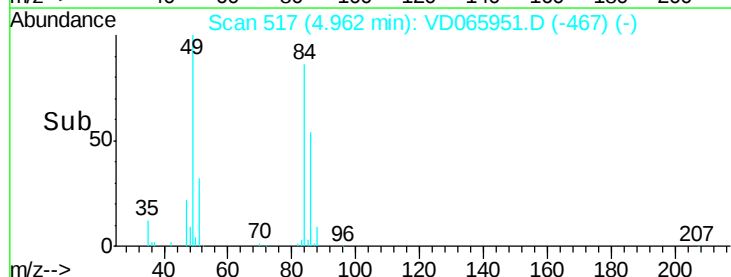
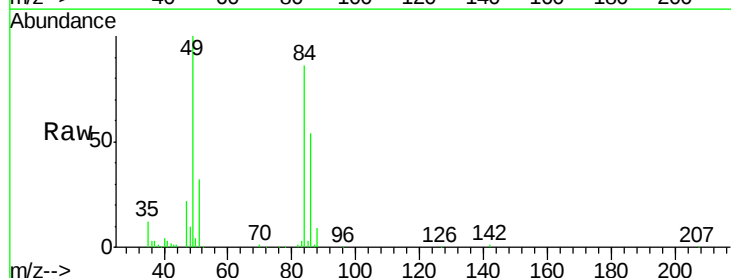
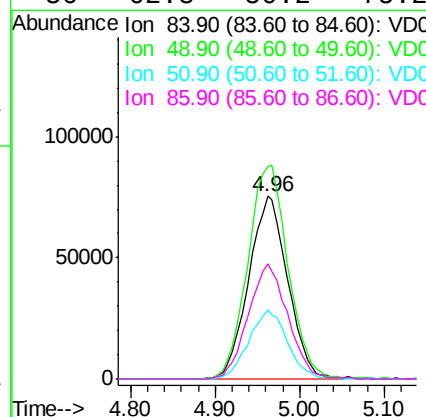
MMDadoda

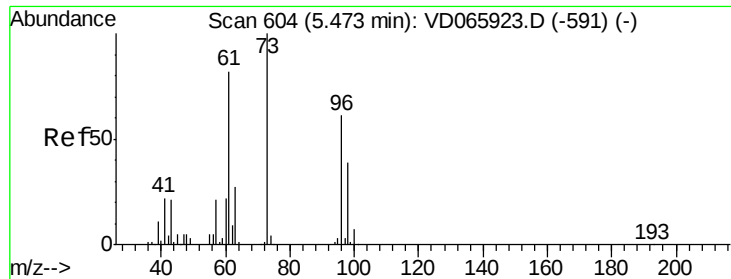
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#20
Methylene Chloride
Concen: 57.153 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.6	102.2	153.2
51	37.5	29.8	44.6
86	62.8	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 51.246 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 211528

Ion Ratio Lower Upper

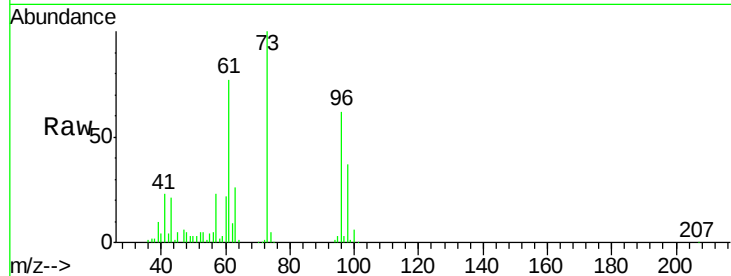
96 100

61 124.6 106.6 160.0

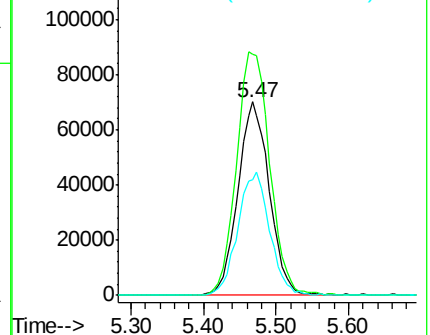
98 59.4 51.0 76.6

Manual Integrations
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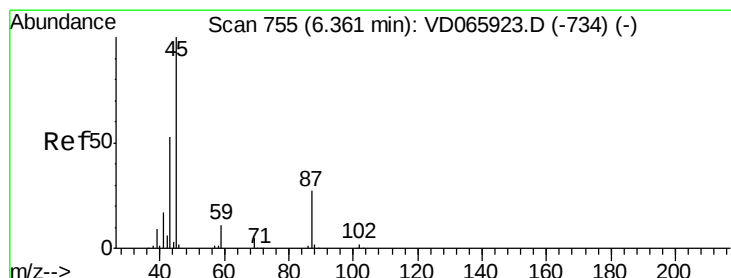
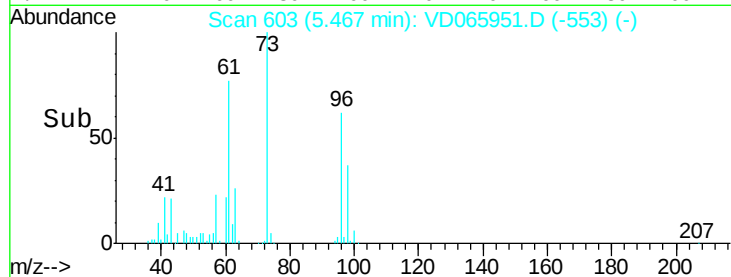
MMDadoda



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



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#22

Diisopropyl ether

Concen: 50.155 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Tgt Ion: 45 Resp: 585999

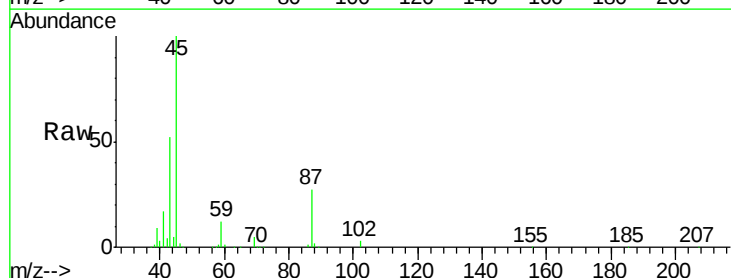
Ion Ratio Lower Upper

45 100

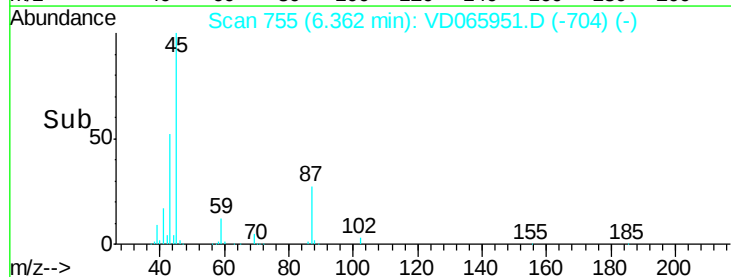
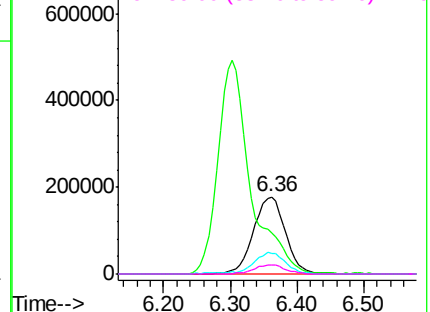
43 51.6 42.5 63.7

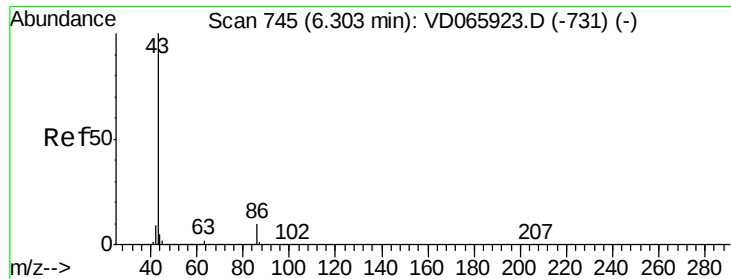
87 27.3 22.2 33.2

59 11.7 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 253.586 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Tot Ion: 43 Resp: 1691181

Ion Ratio Lower Upper

43 100

86 10.6 8.1 12.1

Instrument :

MSVOA_D

ClientSampleId :

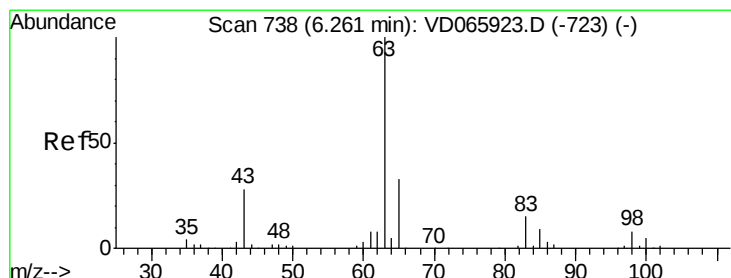
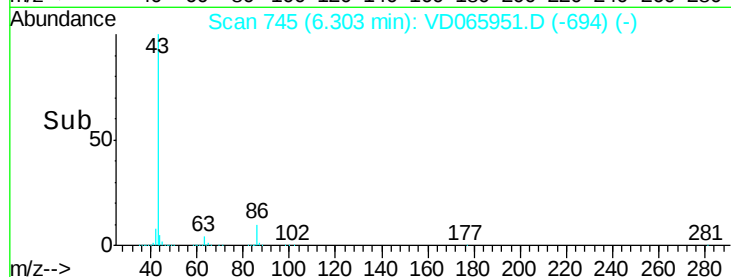
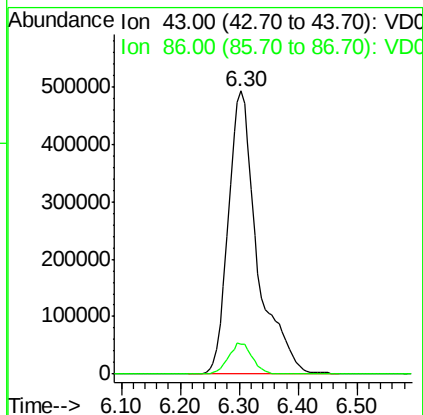
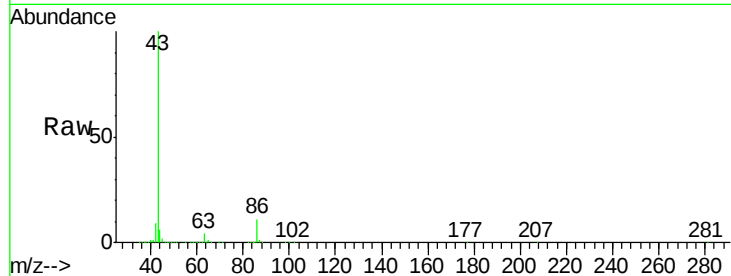
VSTDCCC050

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 50.411 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

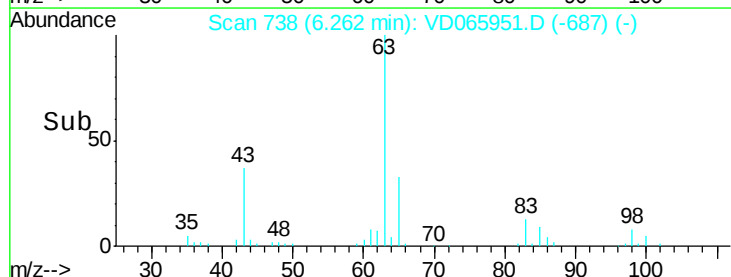
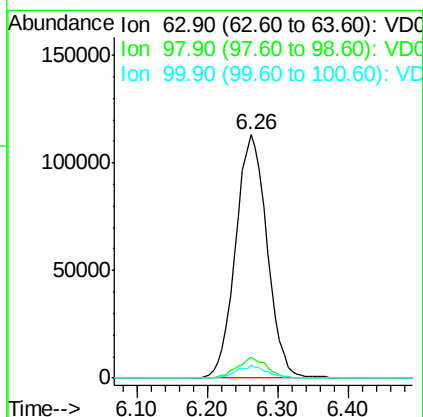
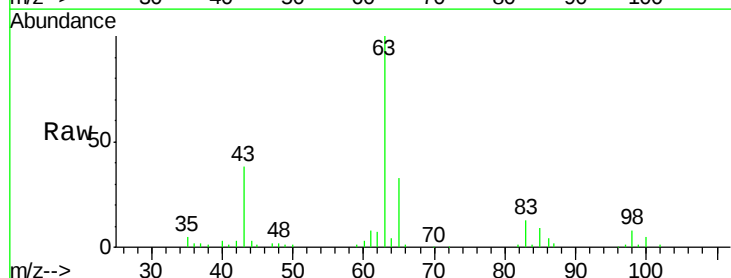
Tgt Ion: 63 Resp: 351208

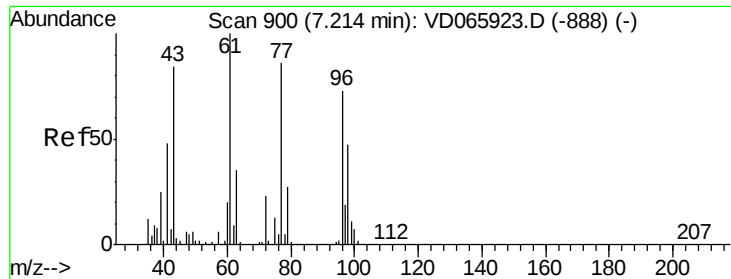
Ion Ratio Lower Upper

63 100

98 8.4 3.8 11.4

100 5.3 2.5 7.5





#25
2-Butanone
Concen: 254.573 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

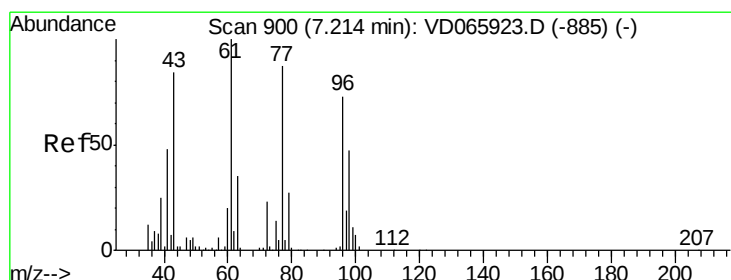
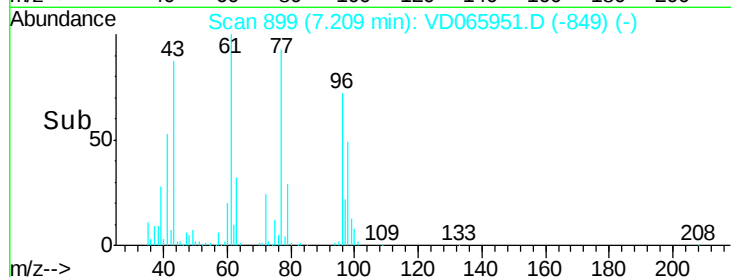
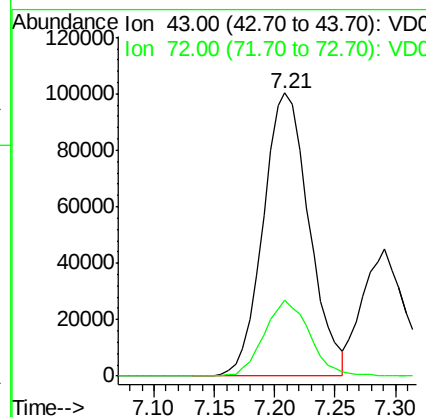
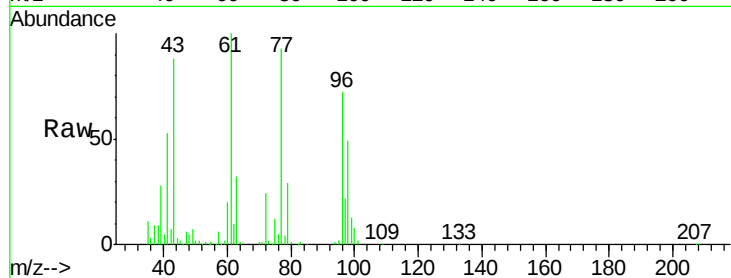
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 264485
Ion Ratio Lower Upper
43 100
72 27.1 22.1 33.1

Manual Integrations
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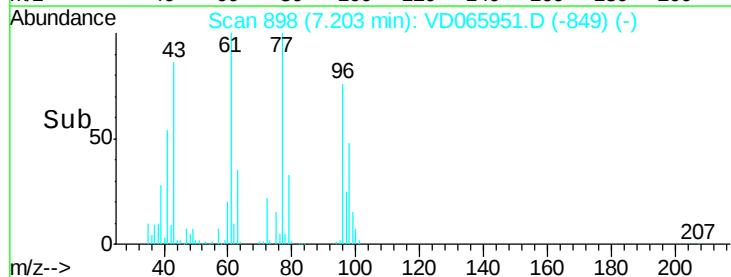
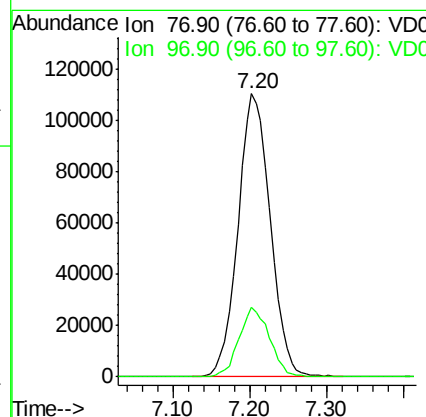
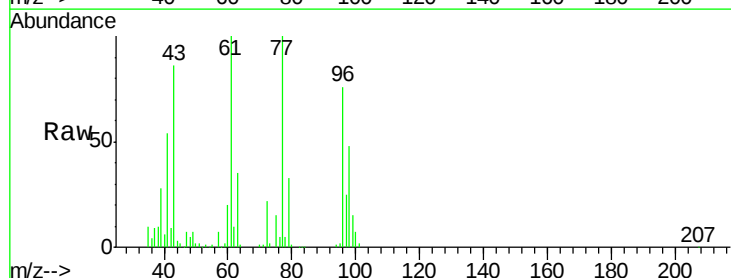
MMDadoda

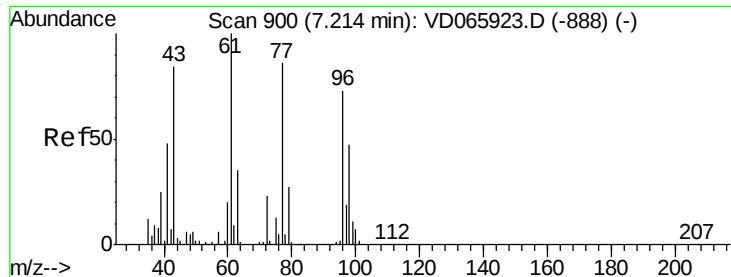
7/17/2020 4:43:37 PM



#26
2,2-Dichloropropane
Concen: 53.226 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion: 77 Resp: 324399
Ion Ratio Lower Upper
77 100
97 23.3 11.6 34.8





#27

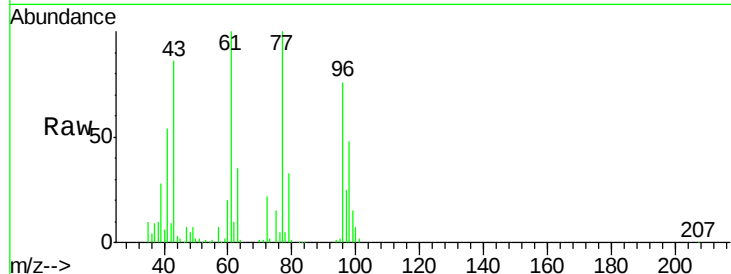
cis-1,2-Dichloroethene
 Concen: 51.383 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	227885		
61	139.3		0.0	286.6
98	65.2		0.0	128.2

Manual Integrations
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MMMadoda

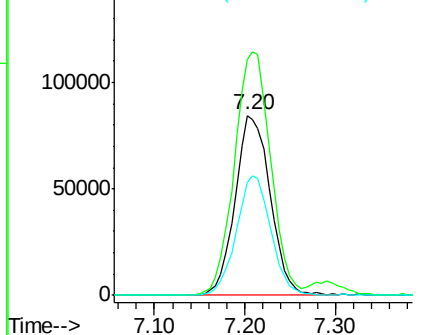


Abundance

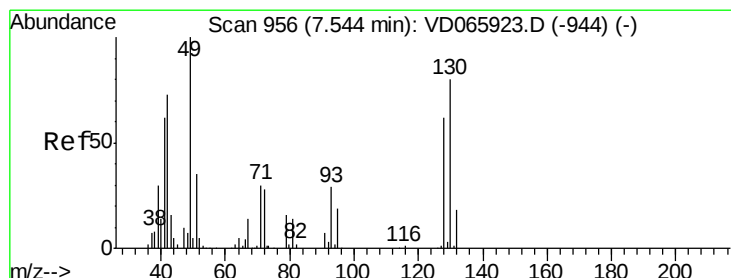
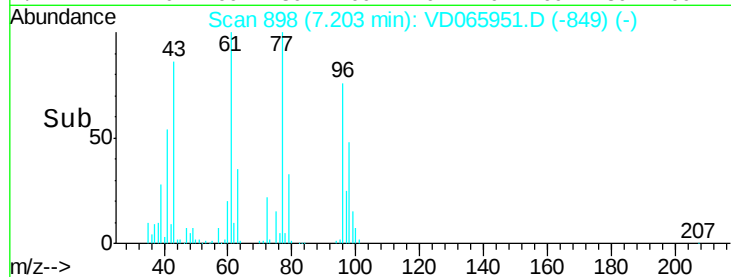
Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



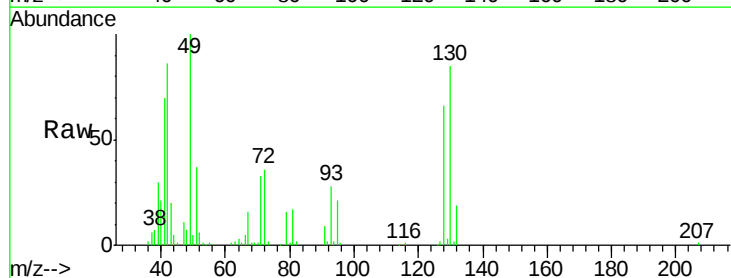
7/17/2020 4:43:37 PM



#28

Bromochloromethane
 Concen: 45.054 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118575		
129	2.8		0.0	4.8
130	86.6		65.8	98.8

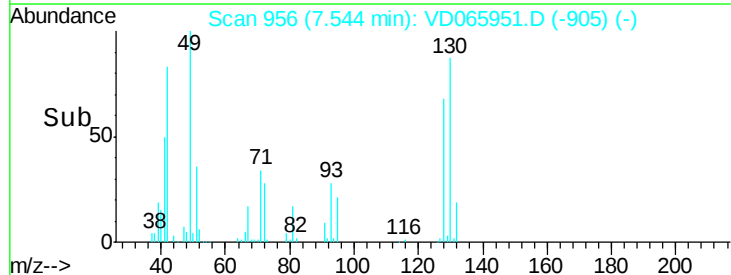
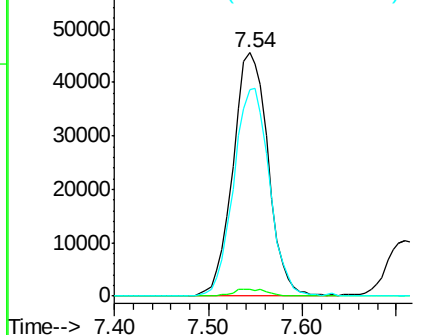


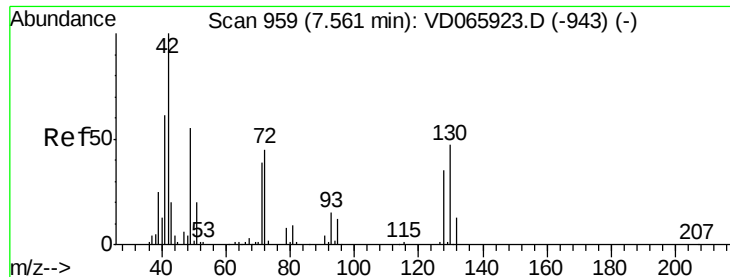
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC





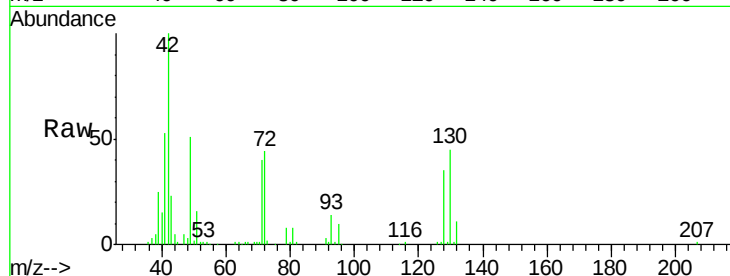
#29
Tetrahydrofuran
Concen: 237.572 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

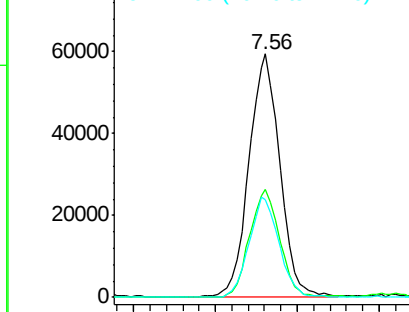
Tot Ion:	42	Resp:	156950
Ion	Ratio	Lower	Upper
42	100		
72	42.9	32.8	49.2
71	39.9	31.0	46.4

Manual Integrations
APPROVED

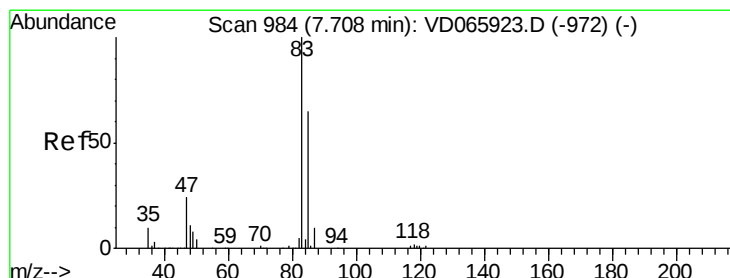
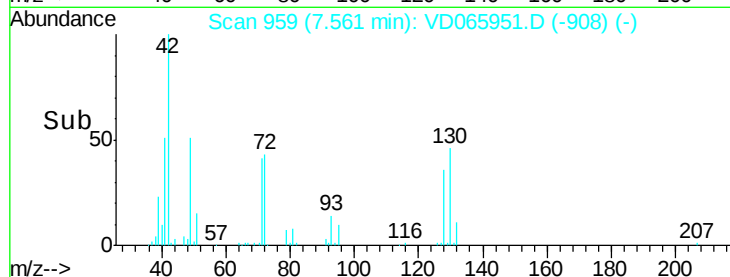
MM Dadoda



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

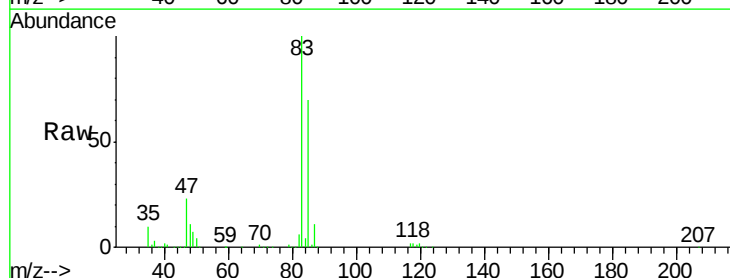


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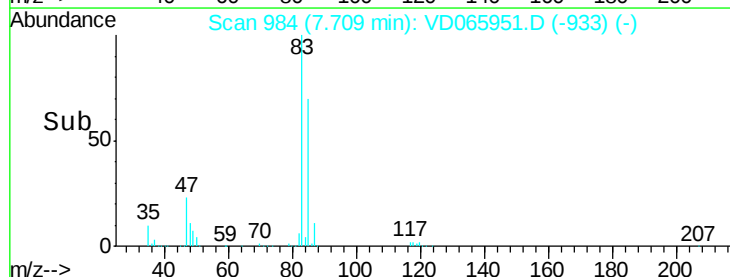
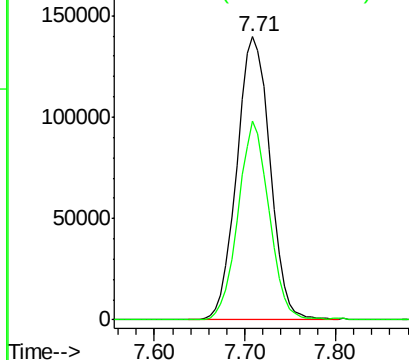


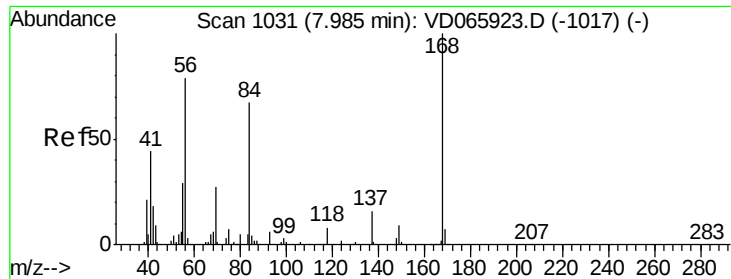
#30
Chloroform
Concen: 50.491 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion:	83	Resp:	356617
Ion	Ratio	Lower	Upper
83	100		
85	70.1	51.6	77.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





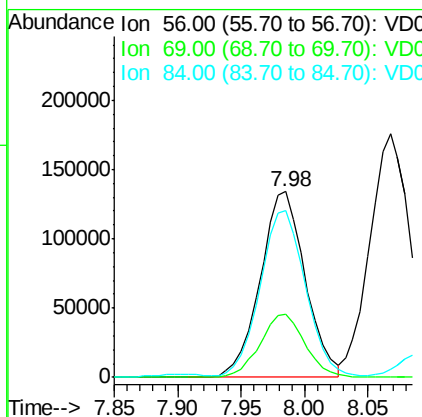
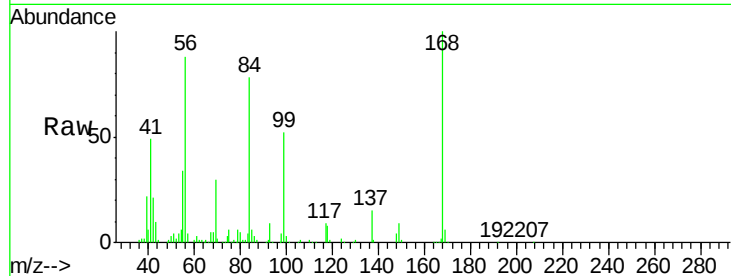
#31
Cyclohexane
Concen: 48.353 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

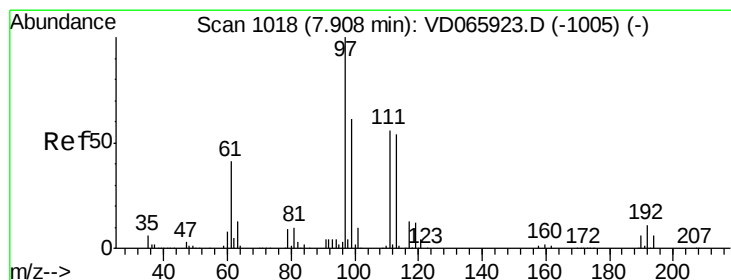
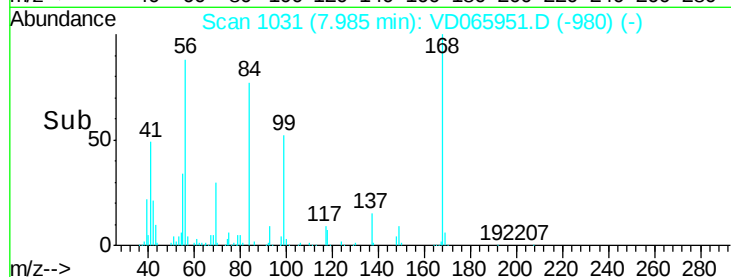
Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	27.4	41.0
84	87.9	68.6	102.8

Manual Integrations
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MMDadoda

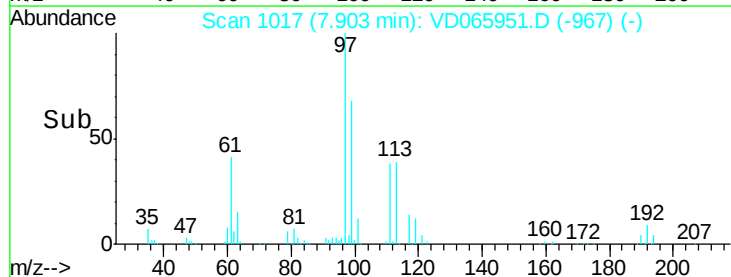
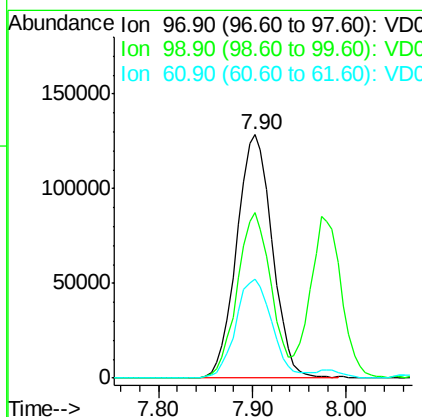
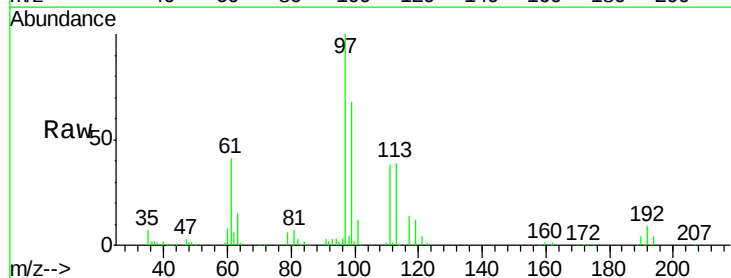


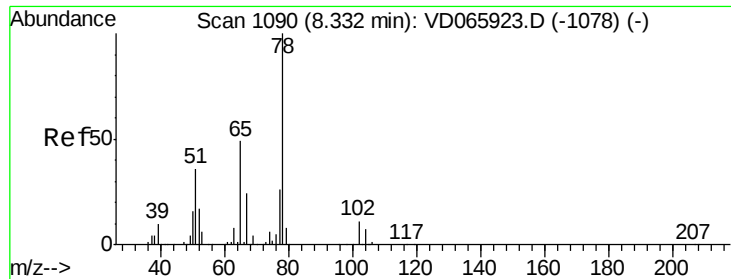
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#32
1,1,1-Trichloroethane
Concen: 52.428 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	41.6	33.6	50.4





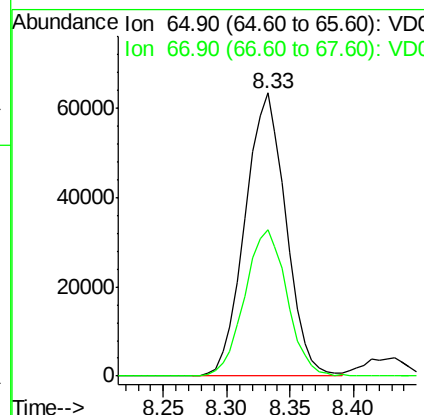
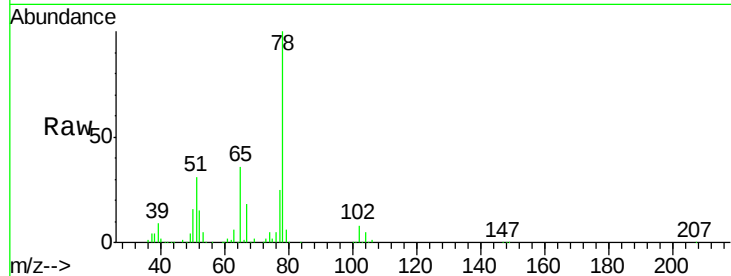
#33
 1,2-Dichloroethane-d4
 Concen: 42.403 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

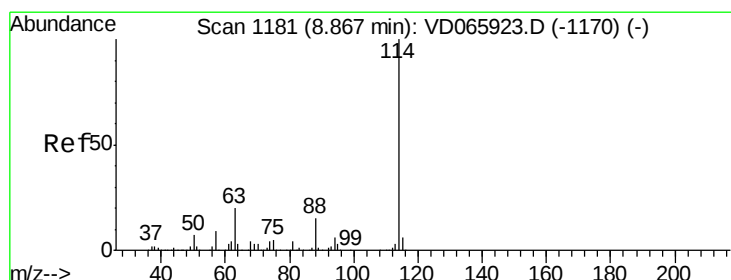
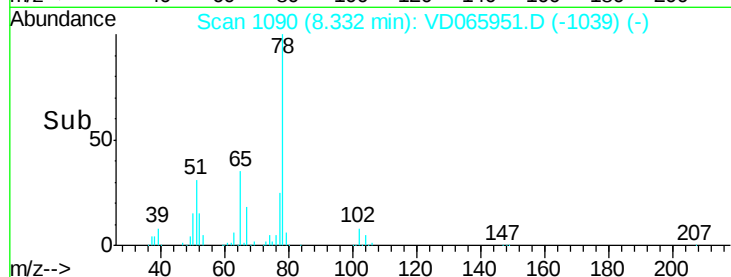
Tot Ion	Ratio	Resp	Lower	Upper
65	100	142254		
67	53.6	0.0	105.6	

Manual Integrations
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MMDadoda

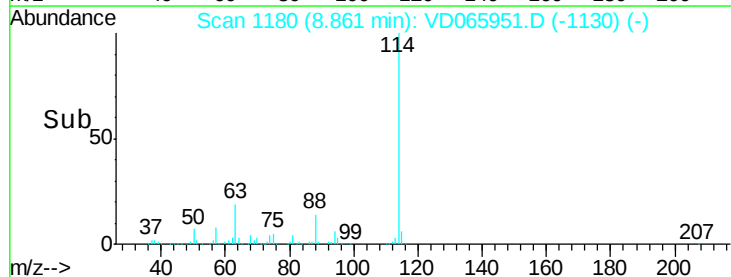
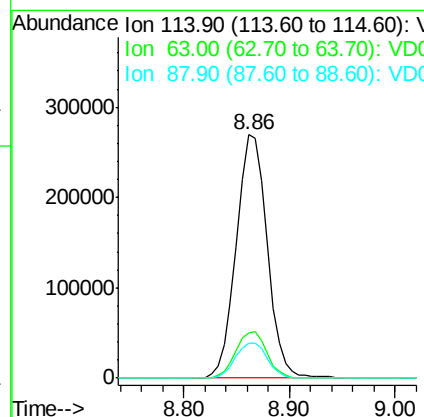
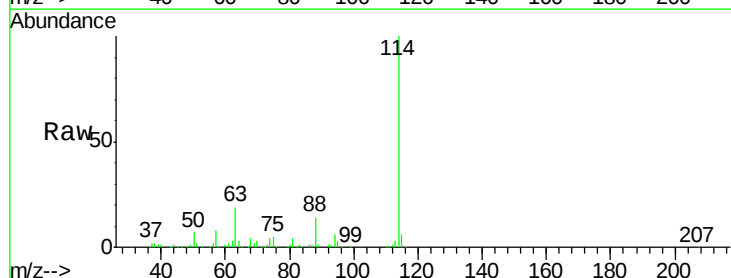


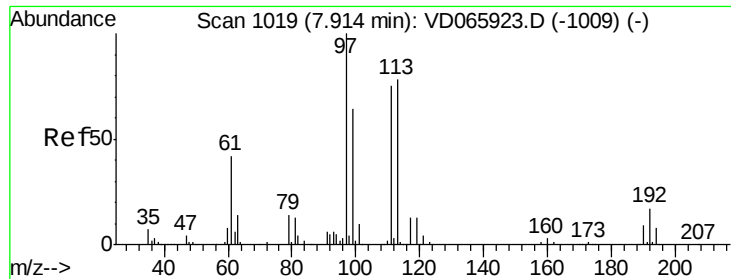
7/17/2020 4:43:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	546462		
63	18.7	0.0	39.2	
88	14.5	0.0	30.0	





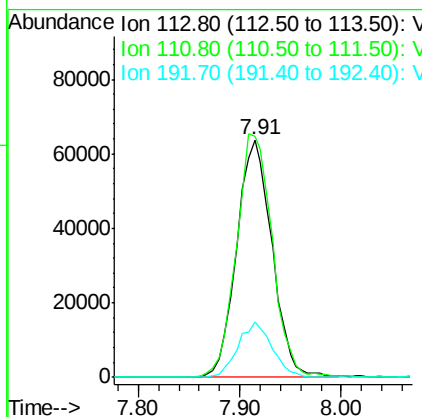
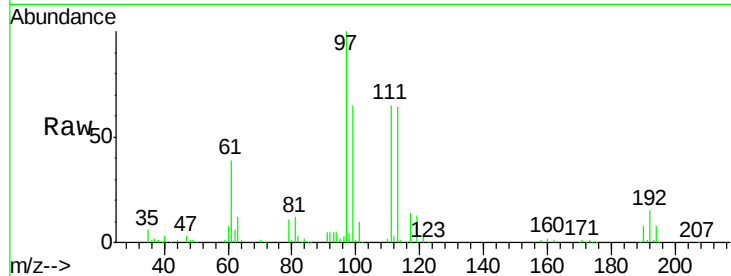
#35
 Dibromofluoromethane
 Concen: 45.805 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

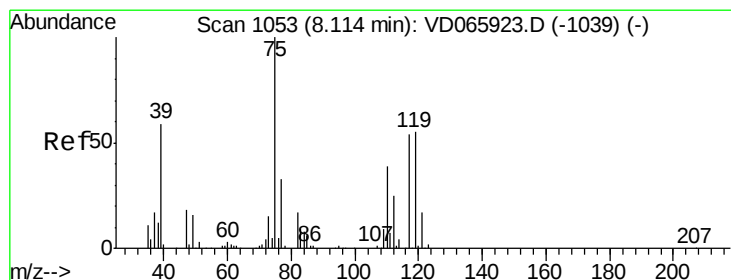
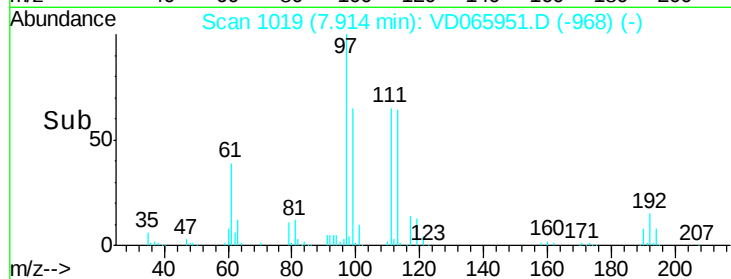
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	80.9	121.3
192	22.4	17.1	25.7

Manual Integrations
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MMDadoda

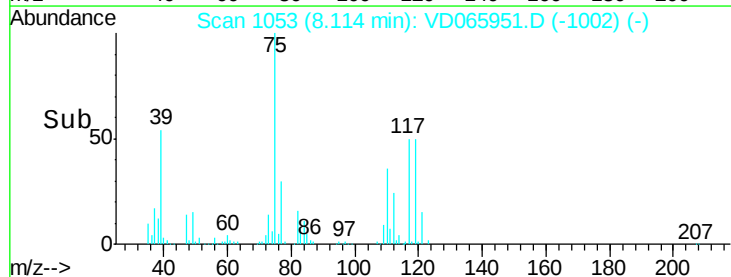
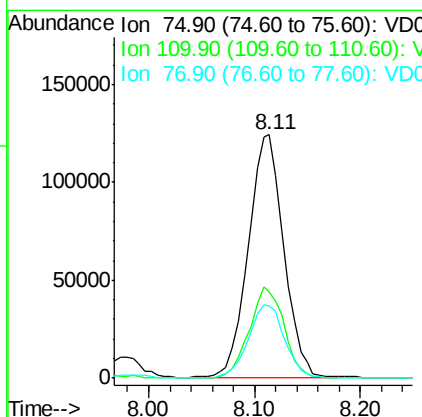
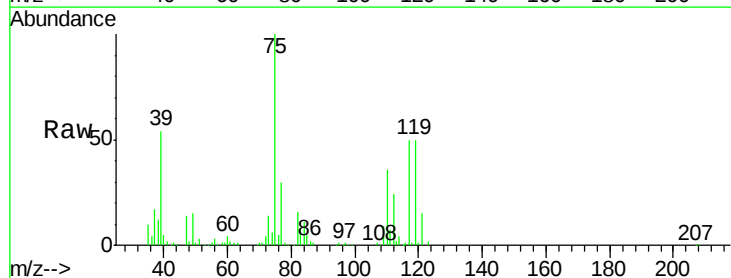


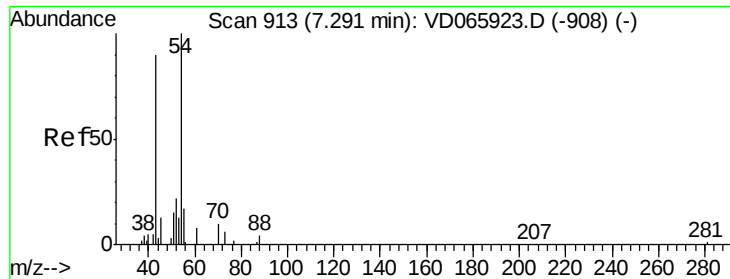
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#36
 1,1-Dichloropropene
 Concen: 54.098 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.5	55.5
77	30.8	25.6	38.4





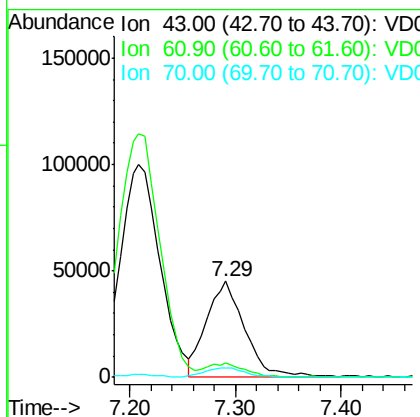
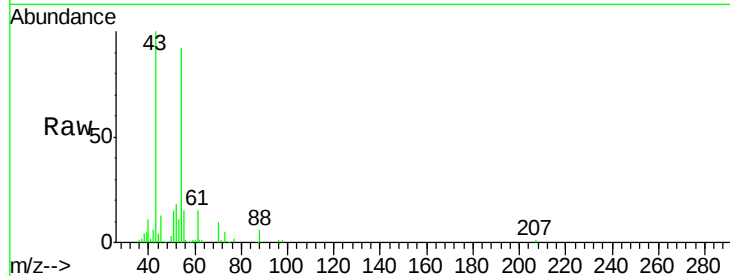
#37
Ethyl Acetate
Concen: 49.233 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

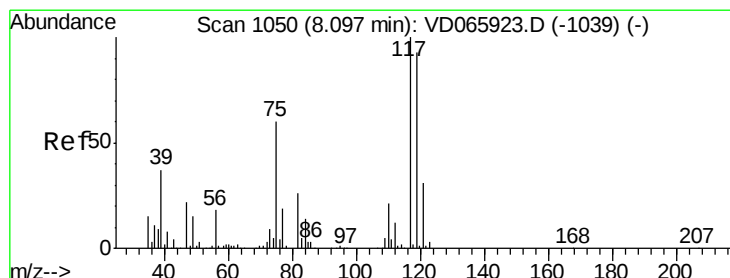
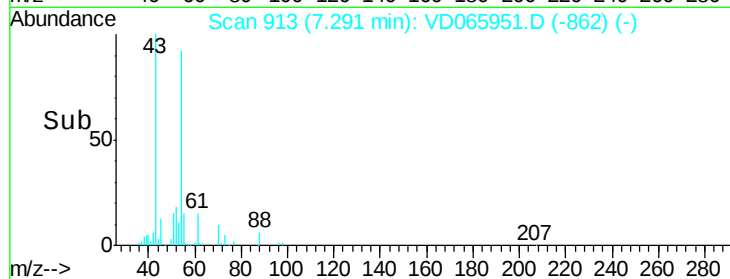
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	9.4	14.0#
70	10.9	8.3	12.5

Manual Integrations
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MMDadoda

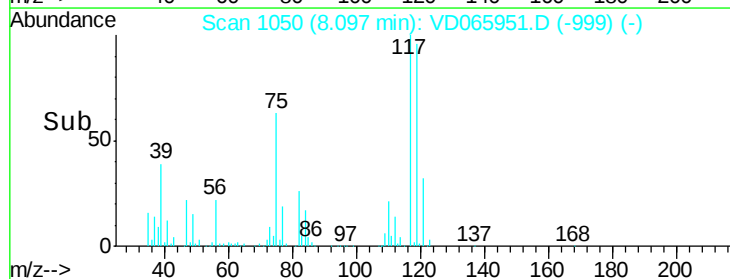
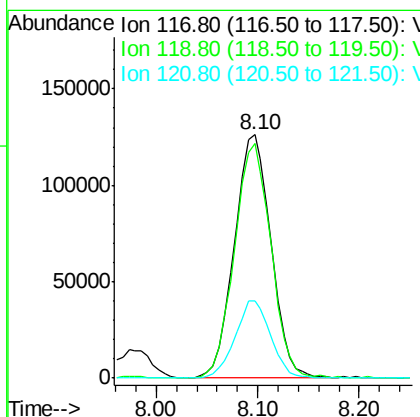
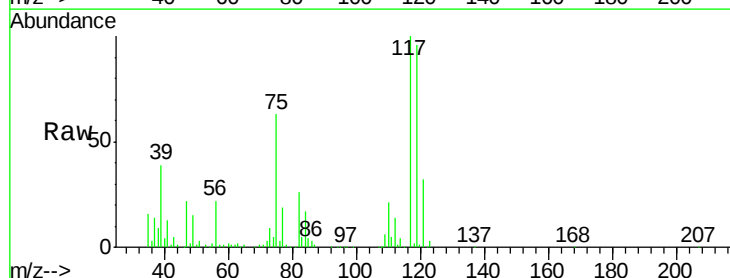


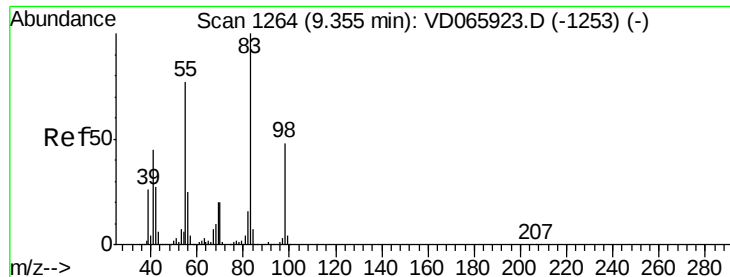
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#38
Carbon Tetrachloride
Concen: 54.383 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	74.7	112.1
121	32.1	24.9	37.3





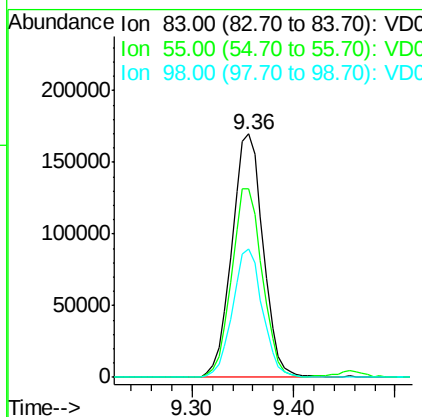
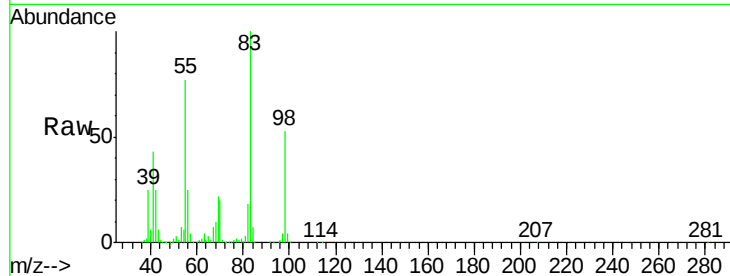
#39
Methvlcvclohexane
Concen: 54.883 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

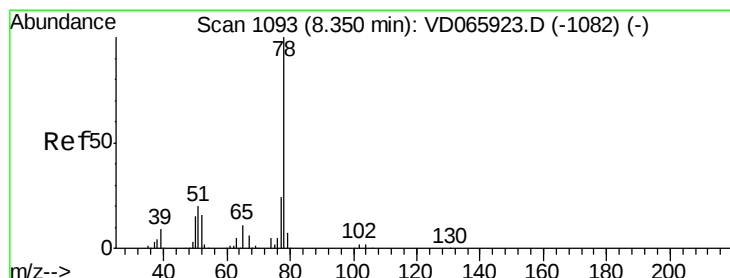
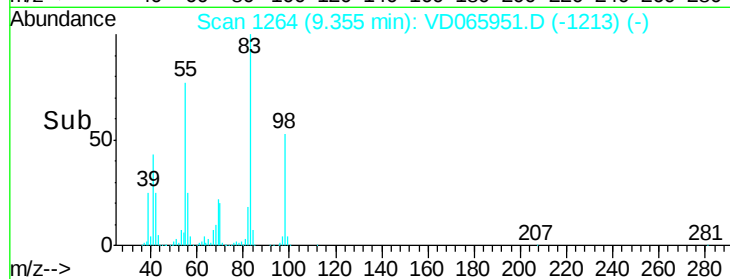
Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	61.7	92.5
98	52.9	38.6	58.0

Manual Integrations
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MMDadoda

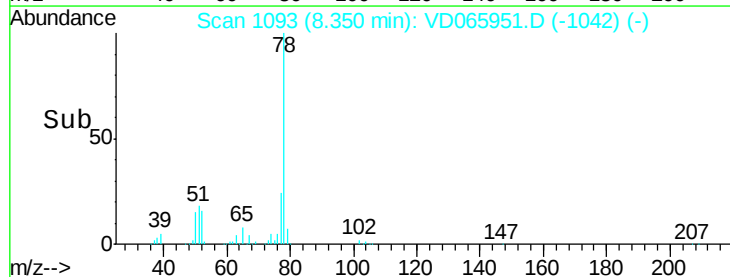
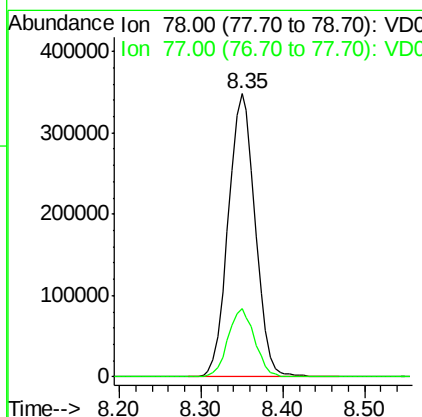
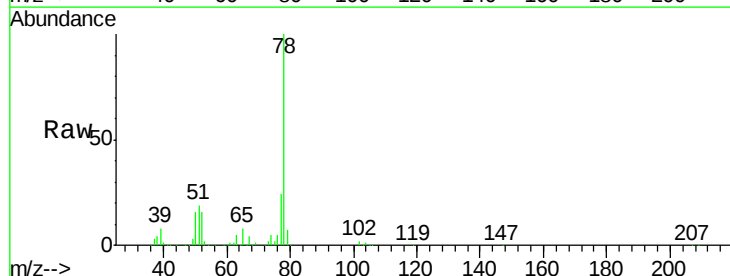


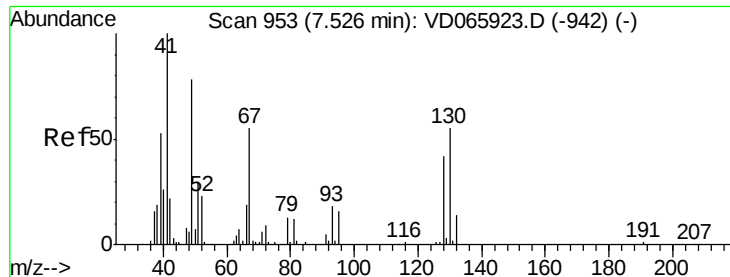
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#40
Benzene
Concen: 53.560 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





#41
Methacrylonitrile
Concen: 46.686 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

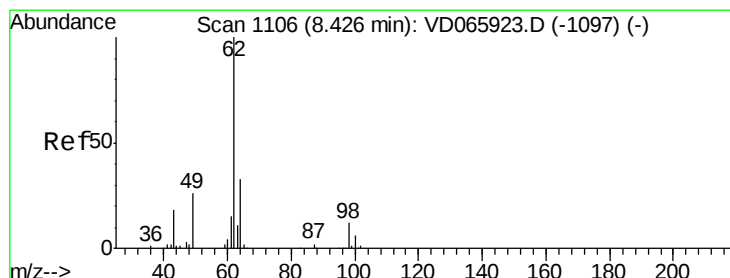
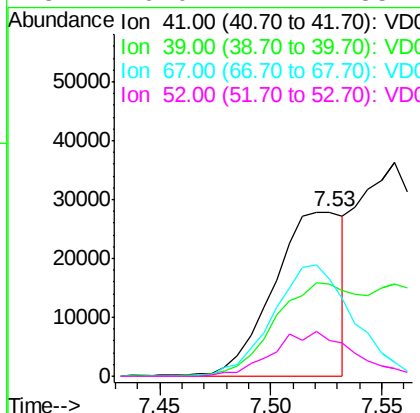
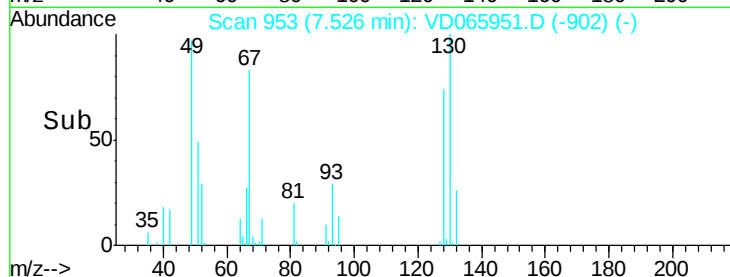
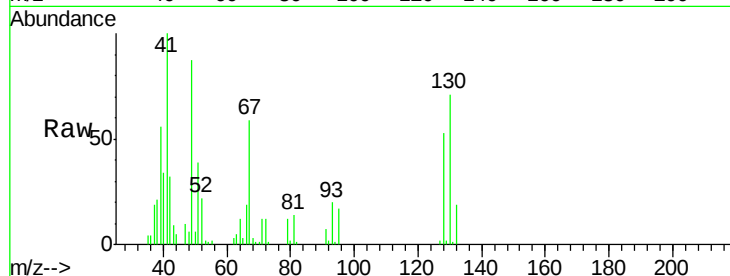
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.4	63.6#
67	0.0	53.6	80.4#
52	0.0	22.2	33.2#

Manual Integrations
APPROVED

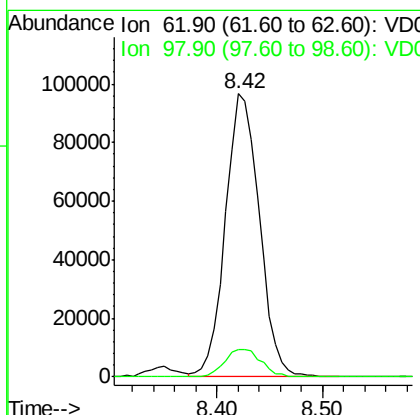
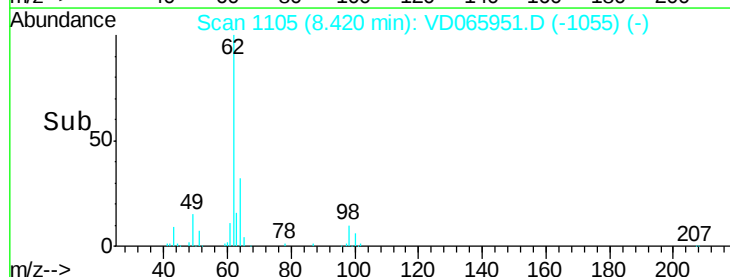
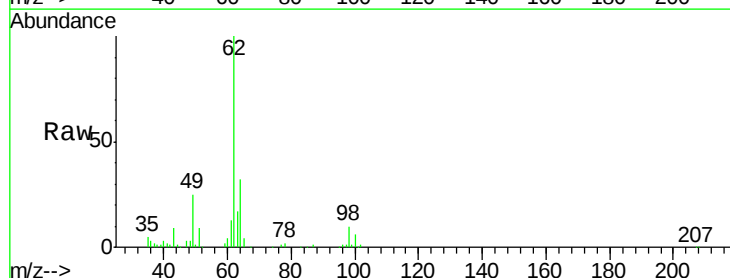
MMDadoda

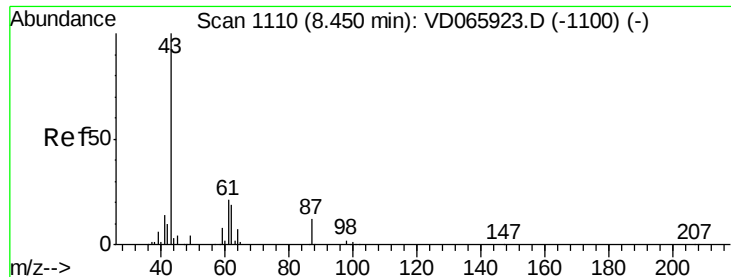
7/17/2020 4:43:37 PM



#42
1,2-Dichloroethane
Concen: 50.750 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.0





#43

Isopropyl Acetate

Concen: 52.123 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

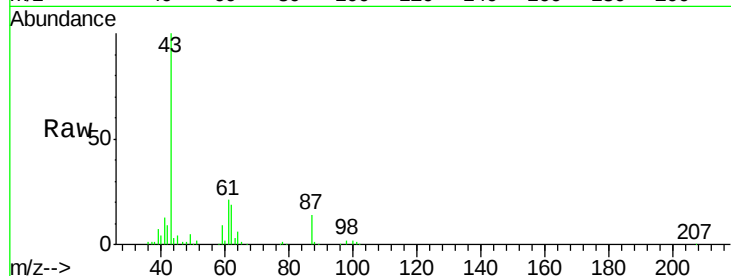
ClientSampleId :

VSTDCCC050

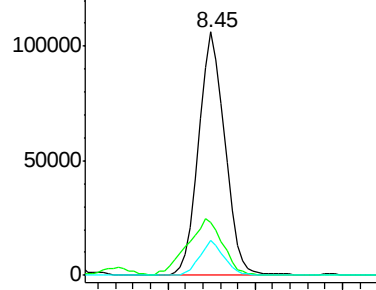
Tot Ion:	43	Resp:	219401
Ion Ratio	Lower	Upper	
43	100		
61	31.2	23.2	34.8
87	13.2	10.0	15.0

Manual Integrations
APPROVED

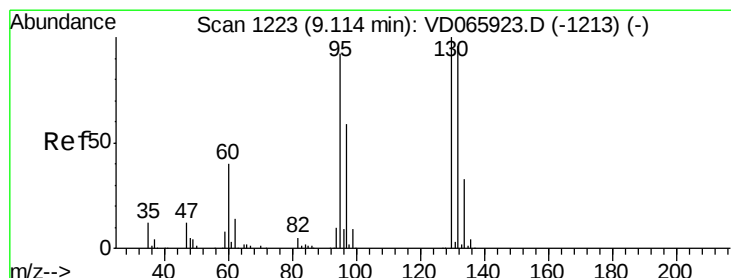
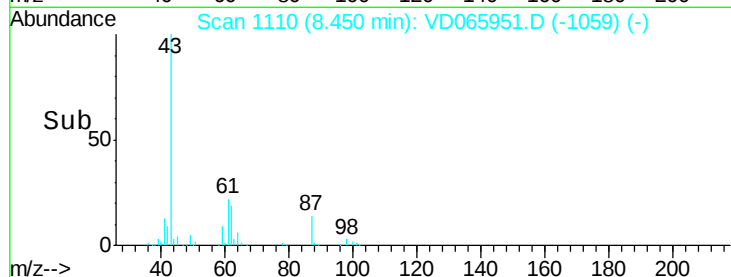
MM Dadoda



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



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#44

Trichloroethene

Concen: 54.989 ug/l

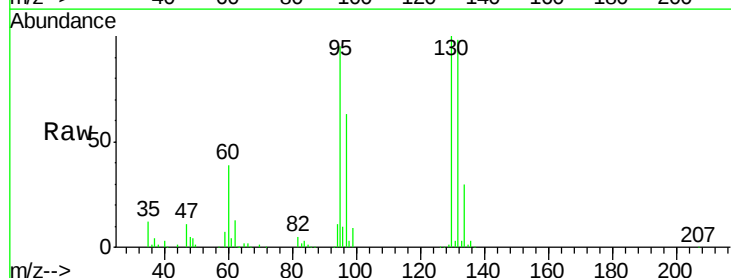
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

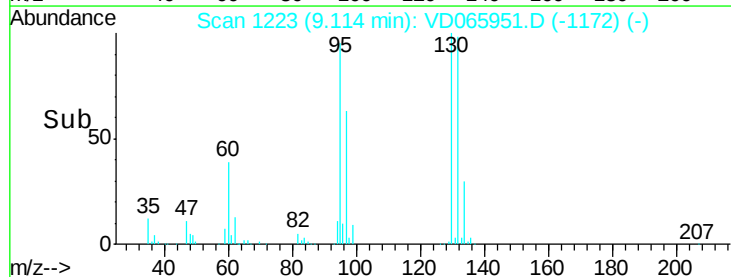
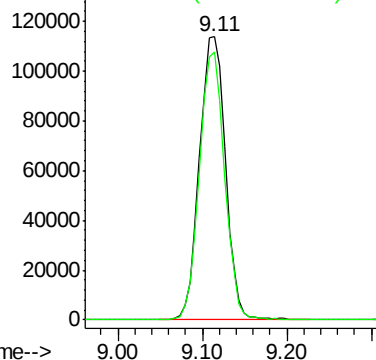
Lab File: VD065951.D

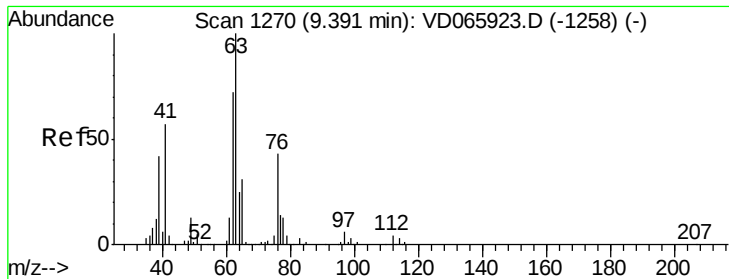
Acq: 16 Jul 2020 12:04

Tgt Ion:	130	Resp:	240902
Ion Ratio	Lower	Upper	
130	100		
95	94.9	0.0	184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.008 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 196166

Ion Ratio Lower Upper

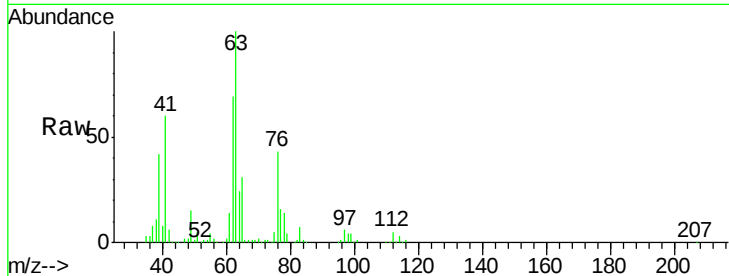
63 100

65 31.1 25.0 37.6

Manual Integrations

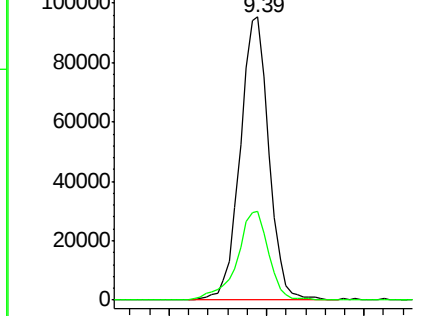
APPROVED

MMDadoda

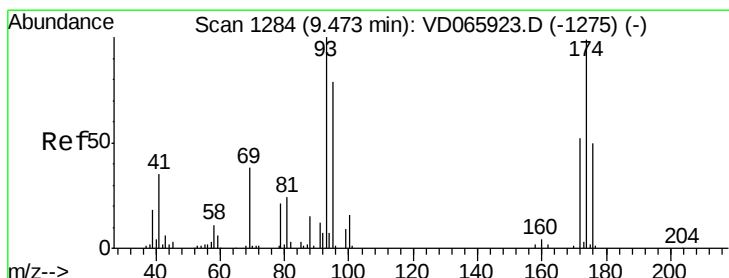
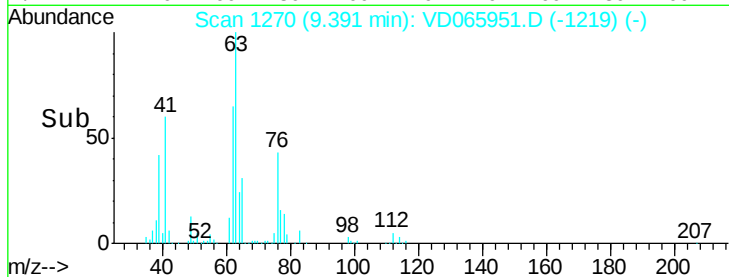


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



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#46

Dibromomethane

Concen: 52.532 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

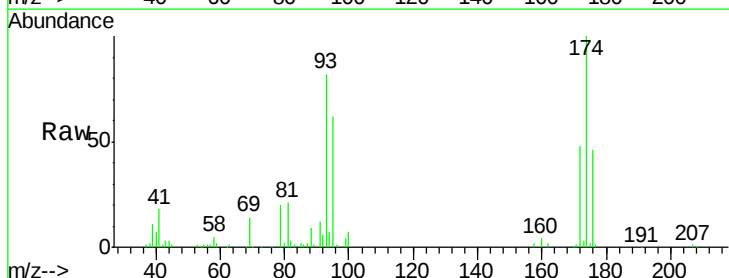
Tgt Ion: 93 Resp: 101211

Ion Ratio Lower Upper

93 100

95 81.3 68.2 102.2

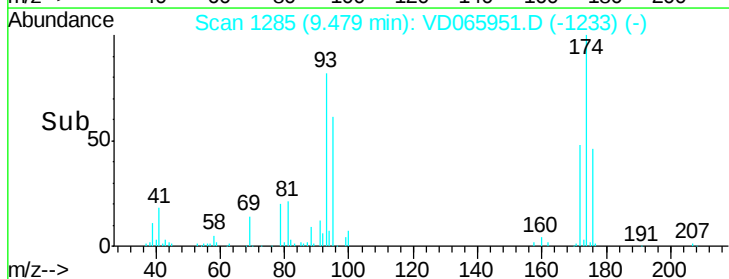
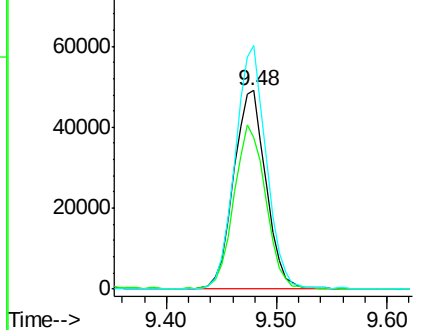
174 118.1 88.0 132.0

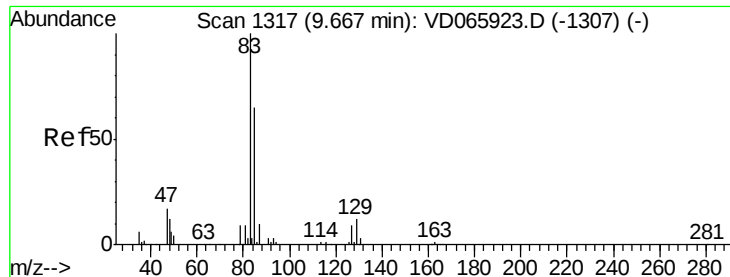


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.961 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 273710

Ion Ratio Lower Upper

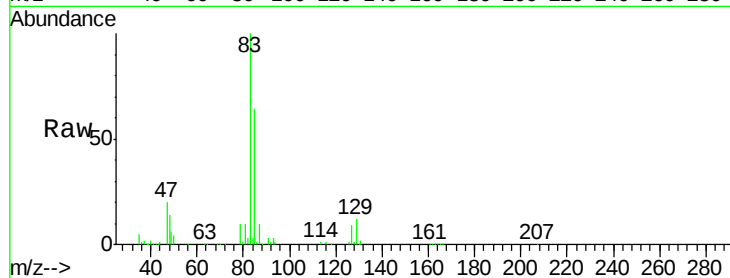
83 100

85 64.3 51.6 77.4

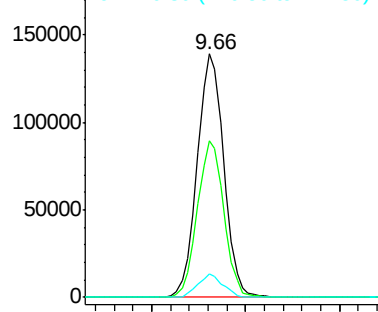
127 9.4 7.2 10.8

Manual Integrations
APPROVED

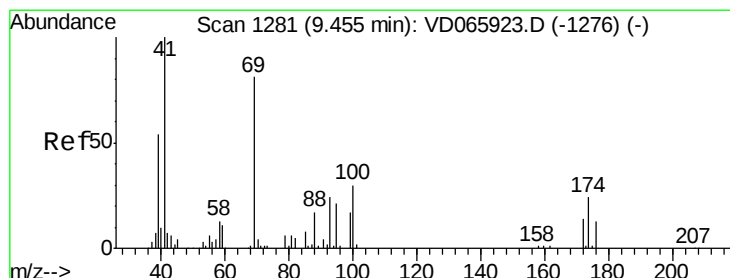
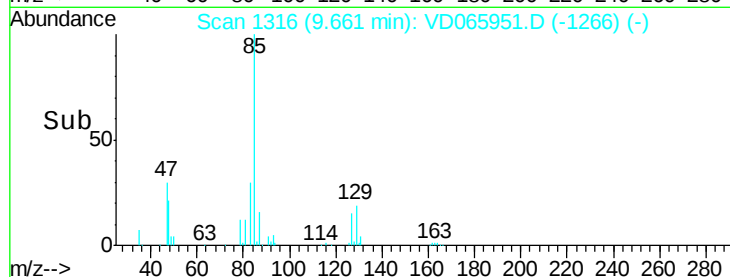
MMDadoda



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



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#48

Methyl methacrylate

Concen: 48.287 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

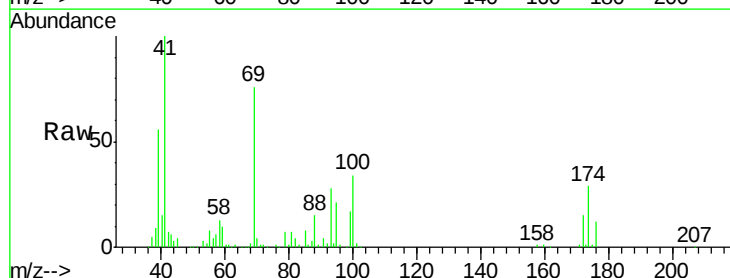
Tgt Ion: 41 Resp: 102321

Ion Ratio Lower Upper

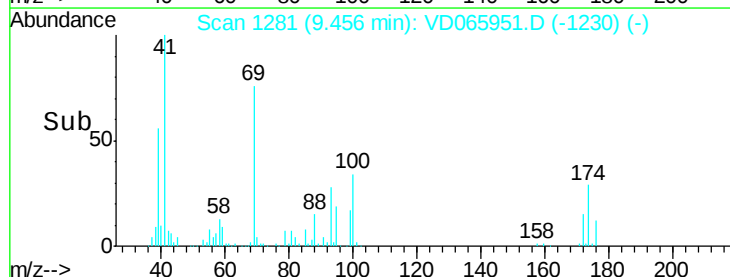
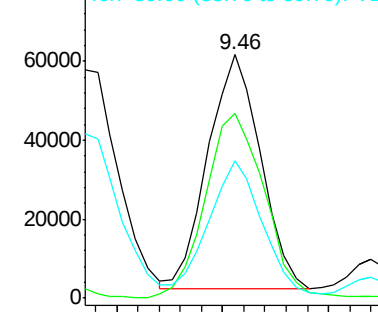
41 100

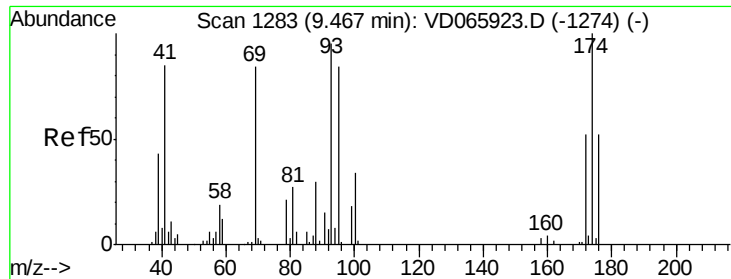
69 89.0 62.2 93.4

39 56.0 39.9 59.9



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





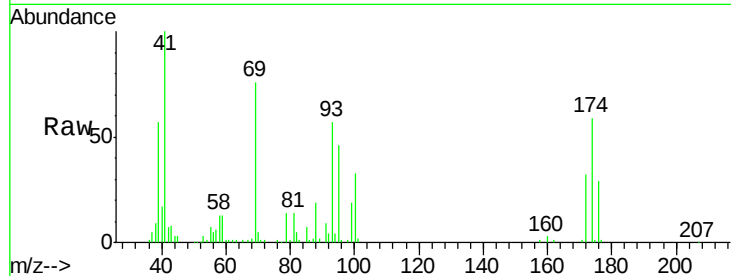
#49
1,4-Dioxane
Concen: 1001.681 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	28.2	42.4
58	71.9	58.6	87.8

Manual Integrations
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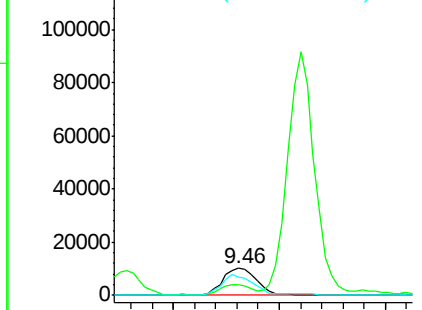


Abundance

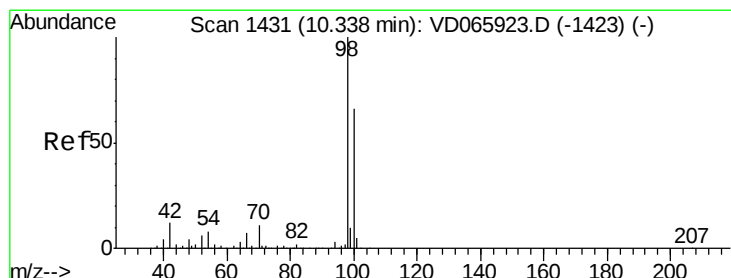
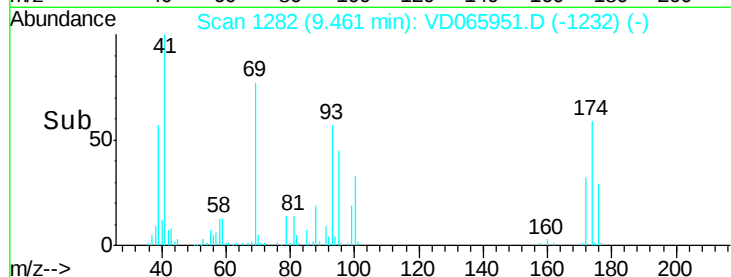
Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

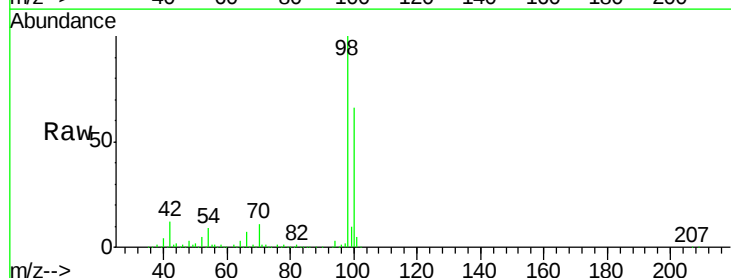


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#50
Toluene-d8
Concen: 46.466 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

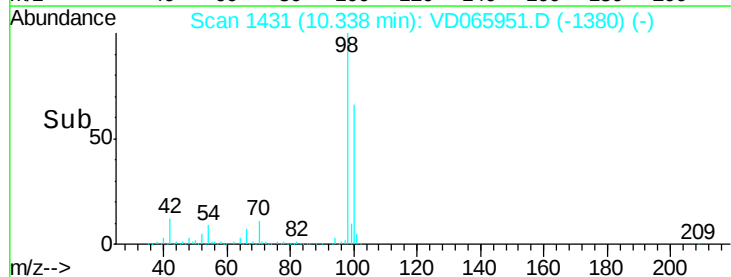
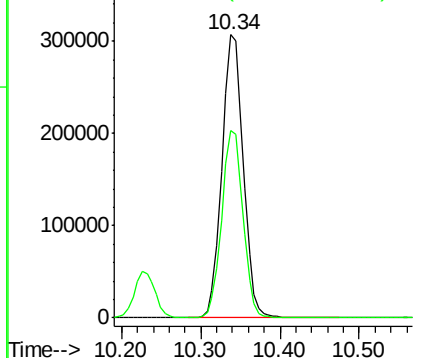
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.1	79.7

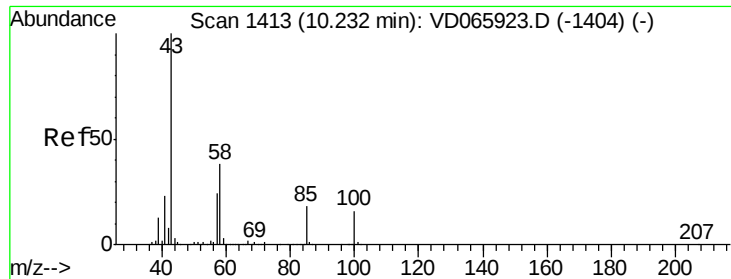


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 258.121 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 549298

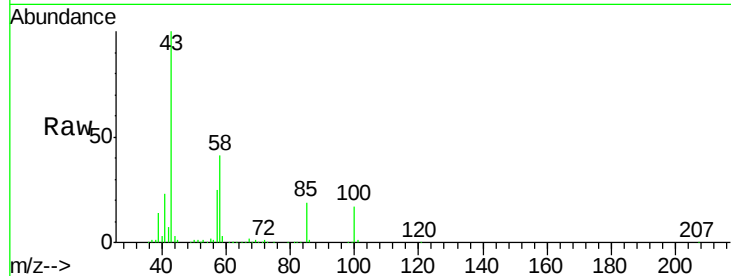
Ion Ratio Lower Upper

43 100

58 39.5 30.5 45.7

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

300000

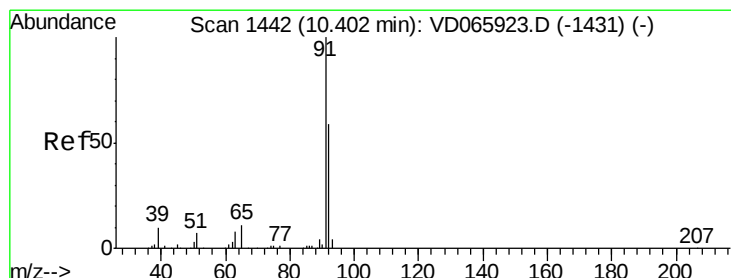
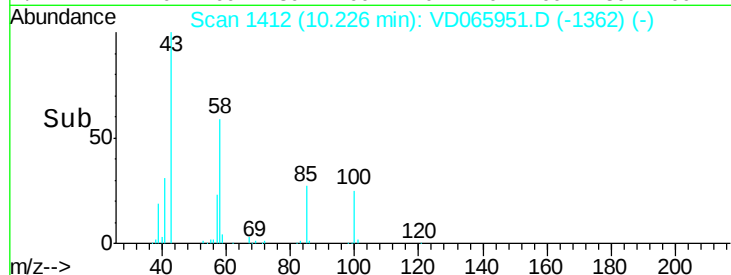
200000

100000

0

Time--> 10.10 10.20 10.30

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#52

Toluene

Concen: 55.716 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD065951.D

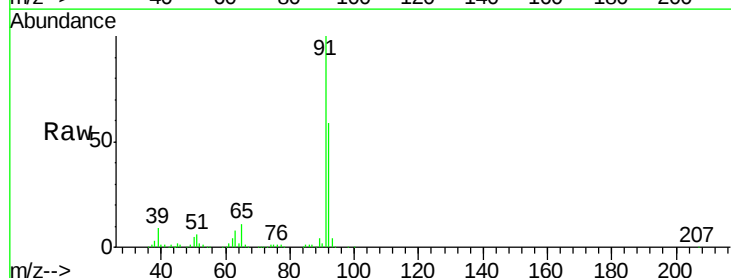
Acq: 16 Jul 2020 12:04

Tgt Ion: 92 Resp: 528512

Ion Ratio Lower Upper

92 100

91 169.1 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

500000

400000

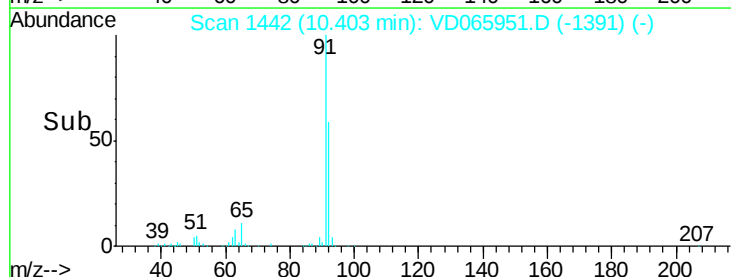
300000

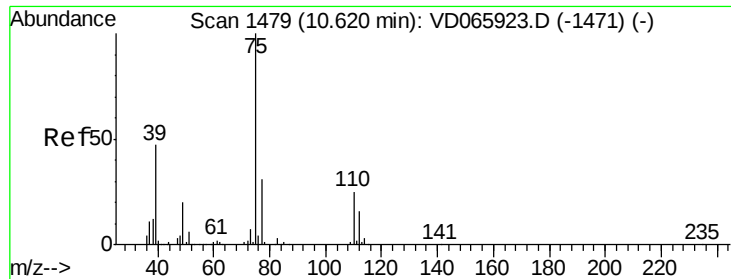
200000

100000

0

Time--> 10.30 10.40 10.50





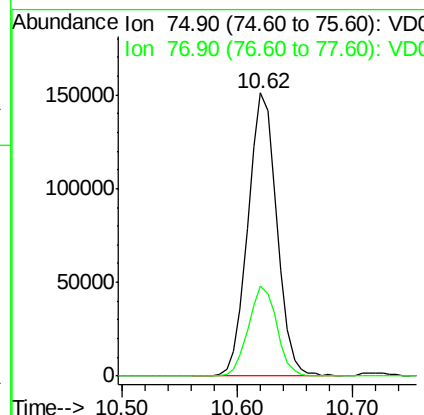
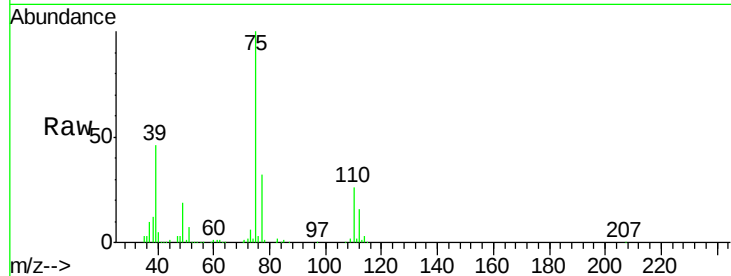
#53
 t-1,3-Dichloropropene
 Concen: 54.208 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

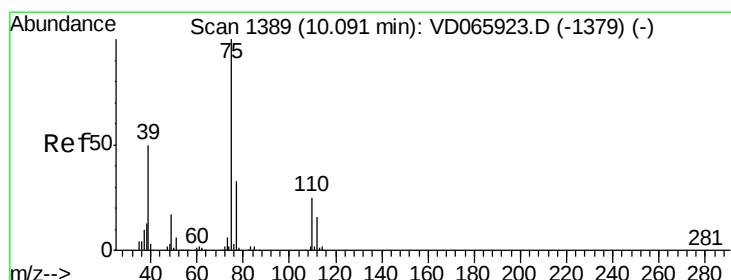
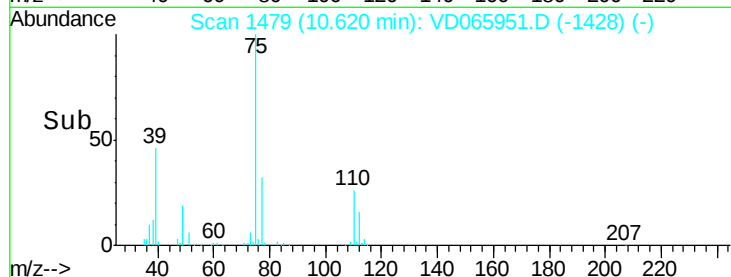
Tot Ion: 75 Resp: 263424
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.1 37.7

Manual Integrations
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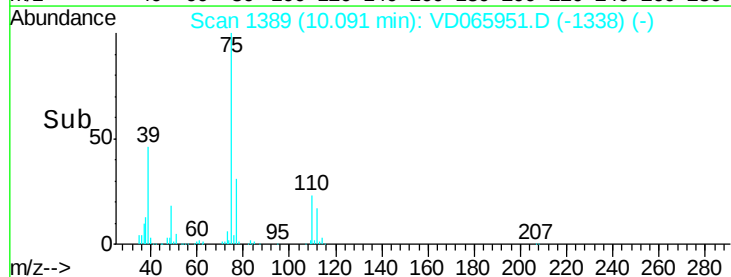
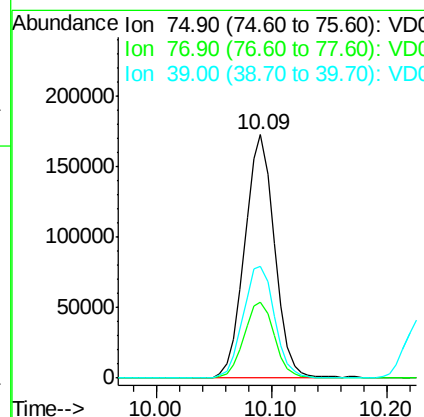
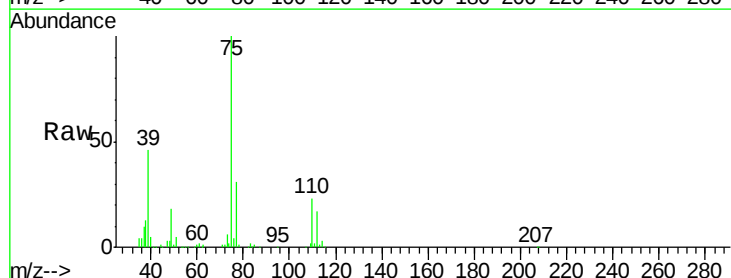


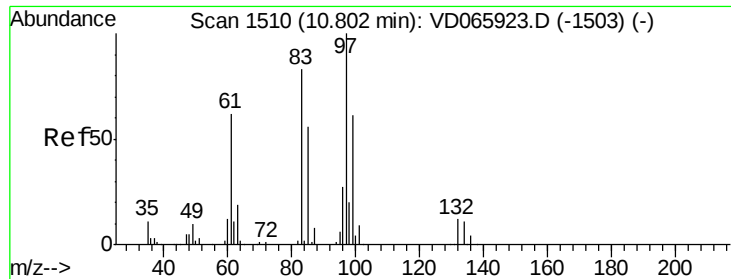
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#54
 cis-1,3-Dichloropropene
 Concen: 52.772 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion: 75 Resp: 309874
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.6 39.8
 39 46.1 39.6 59.4





#55

1,1,2-Trichloroethane

Concen: 54.158 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 143764

Ion Ratio Lower Upper

97 100

83 85.3 66.9 100.3

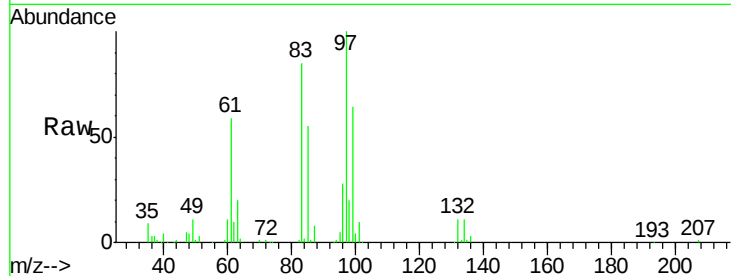
85 54.6 44.5 66.7

99 63.6 49.2 73.8

Manual Integrations
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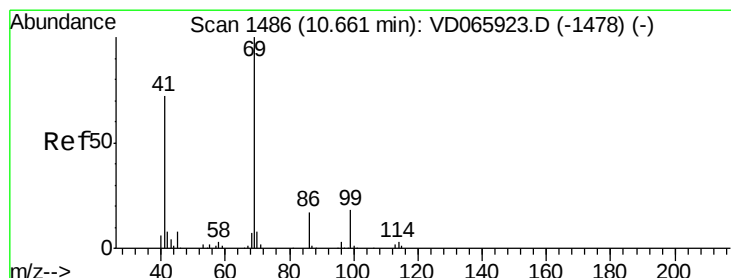
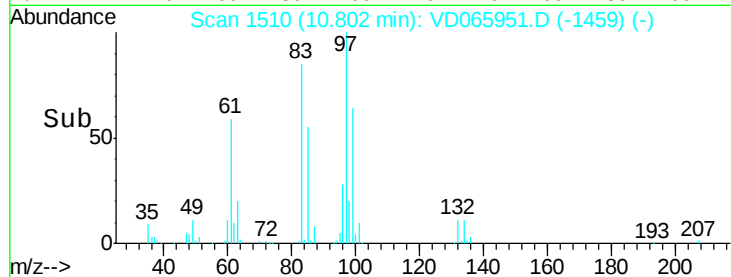
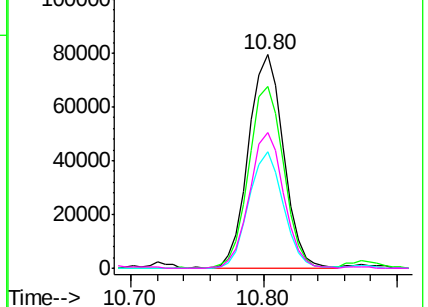


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 55.986 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

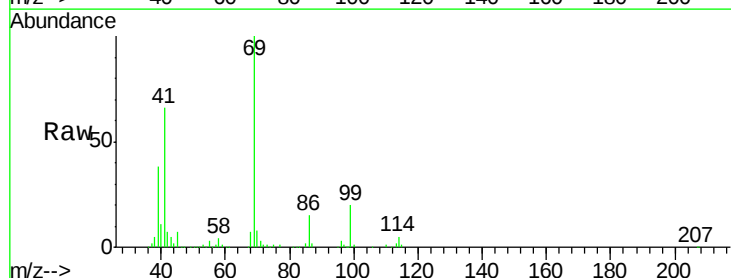
Tgt Ion: 69 Resp: 181520

Ion Ratio Lower Upper

69 100

41 65.9 56.5 84.7

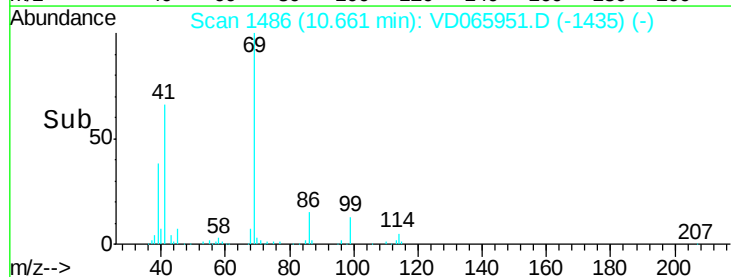
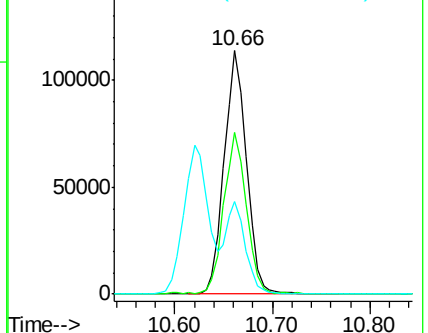
39 34.0 29.2 43.8

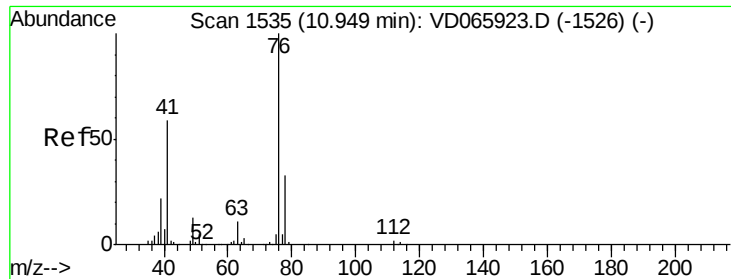


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





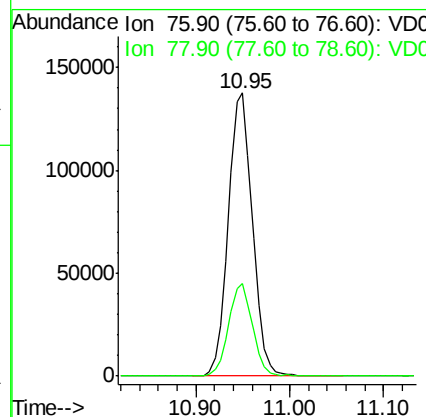
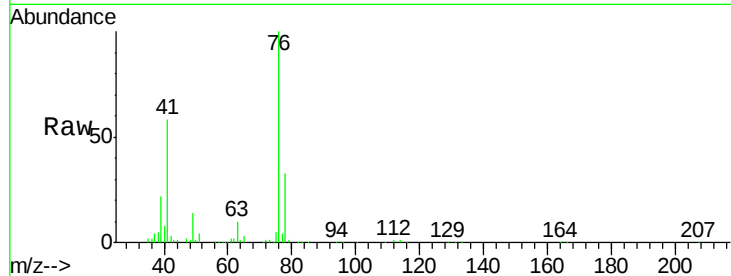
#57
 1,3-Dichloropropane
 Concen: 52.946 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

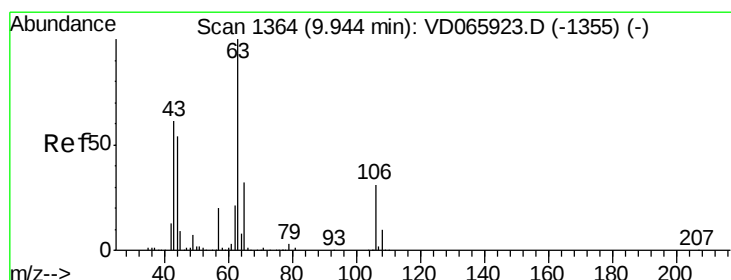
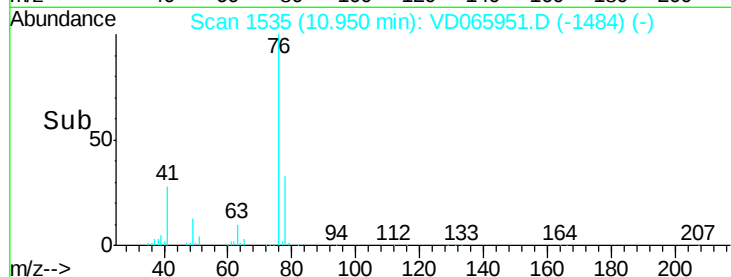
Tot Ion: 76 Resp: 245794
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

Manual Integrations
 APPROVED

MMDadoda

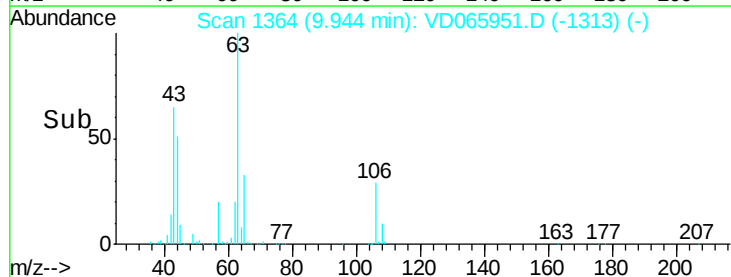
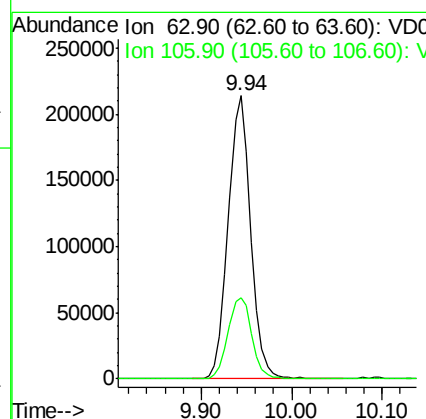
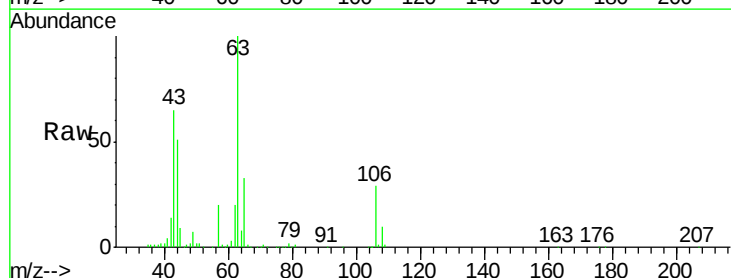


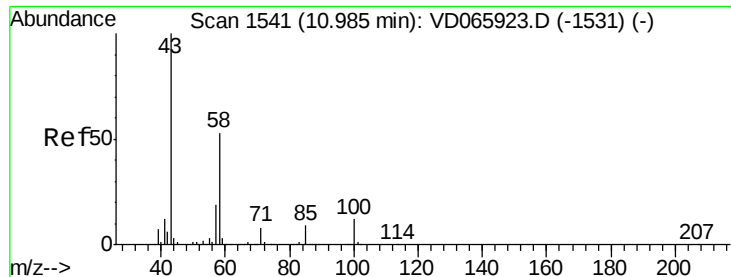
7/17/2020 4:43:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.596 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion: 63 Resp: 368366
 Ion Ratio Lower Upper
 63 100
 106 30.5 23.8 35.6





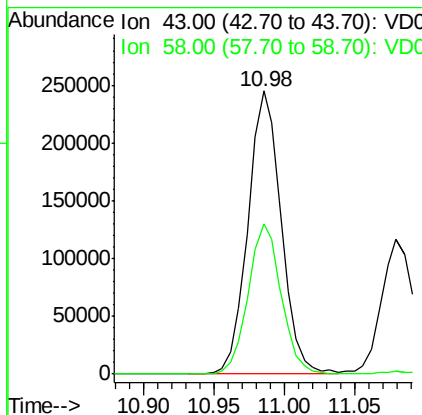
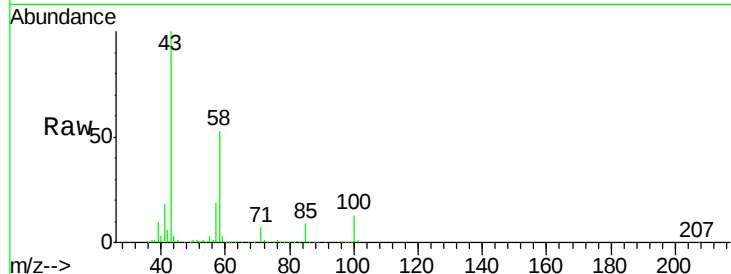
#59
2-Hexanone
Concen: 277.465 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

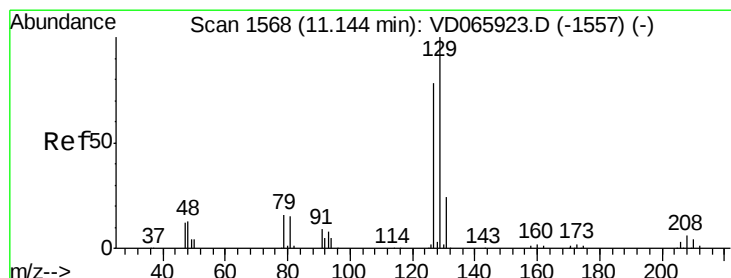
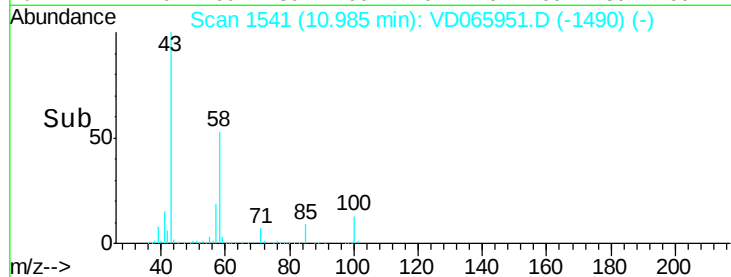
Tot Ion: 43 Resp: 406083
Ion Ratio Lower Upper
43 100
58 52.9 26.6 79.8

Manual Integrations
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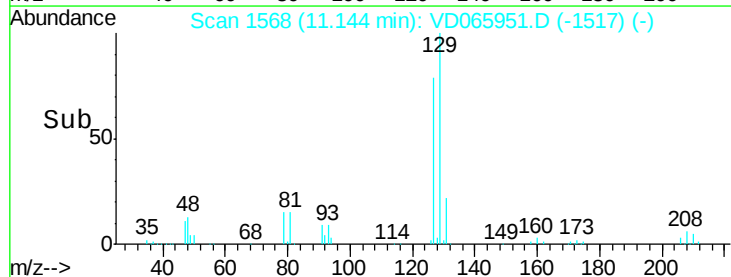
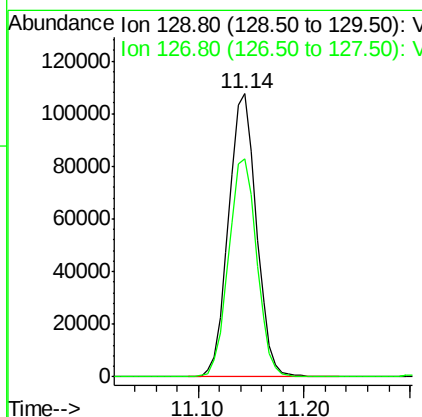
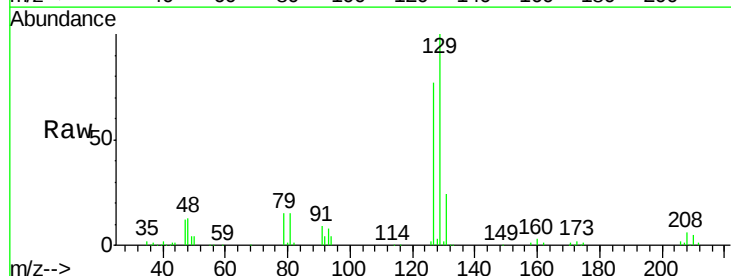


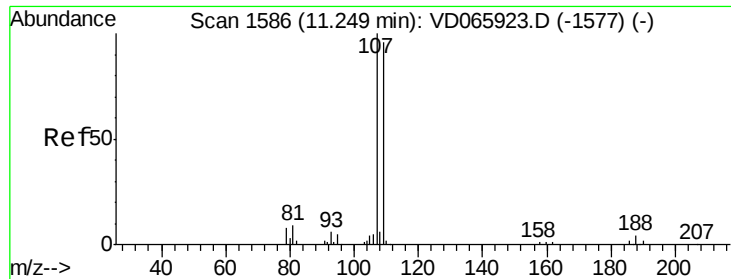
7/17/2020 4:43:37 PM



#60
Dibromochloromethane
Concen: 54.066 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion: 129 Resp: 196083
Ion Ratio Lower Upper
129 100
127 77.7 38.8 116.4





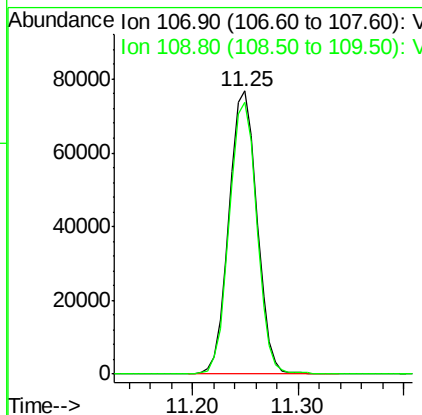
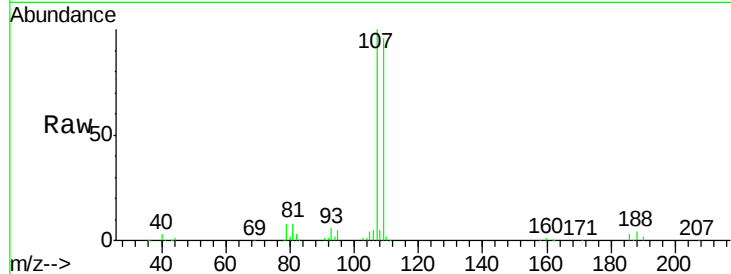
#61
 1,2-Dibromoethane
 Concen: 53.141 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

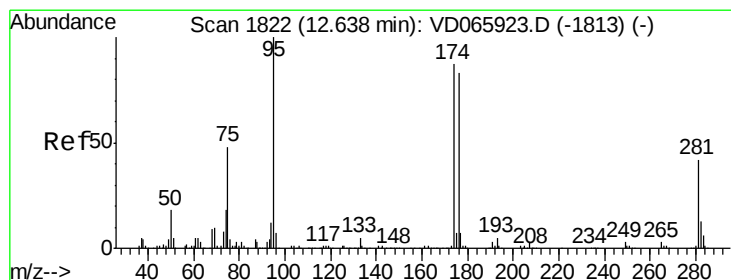
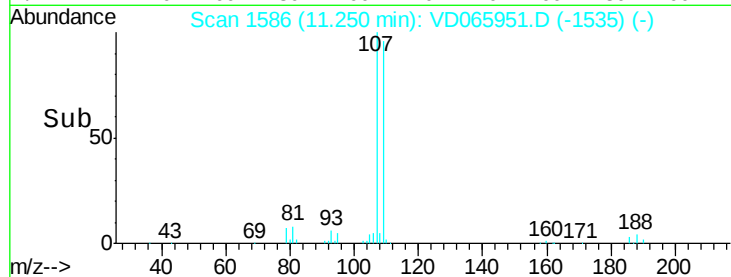
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.4	113.0

Manual Integrations
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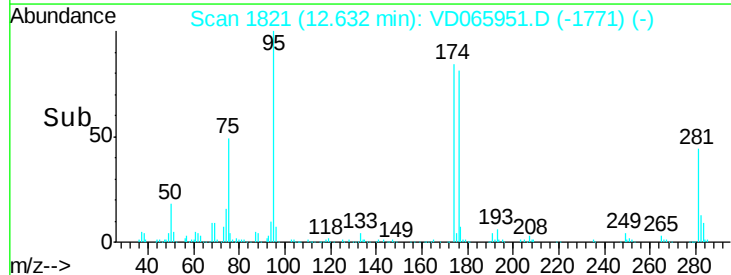
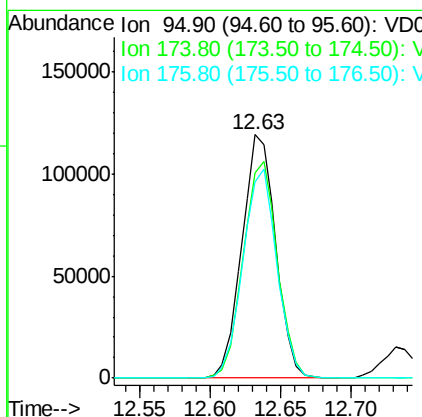
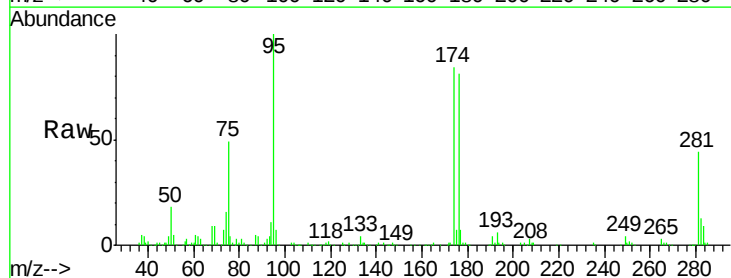


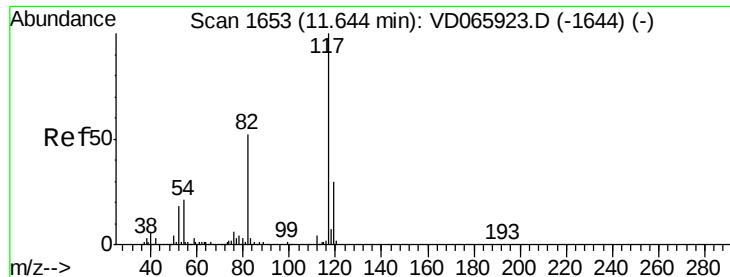
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#62
 4-Bromofluorobenzene
 Concen: 47.441 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	169.4
176	86.4	0.0	164.0





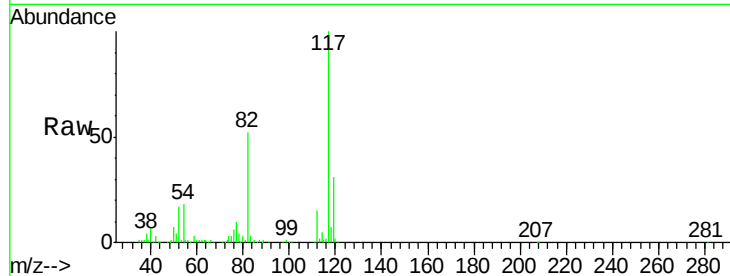
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.8	62.8
119	31.2	24.3	36.5

Manual Integrations
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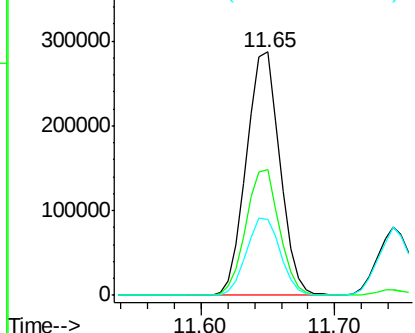


Abundance

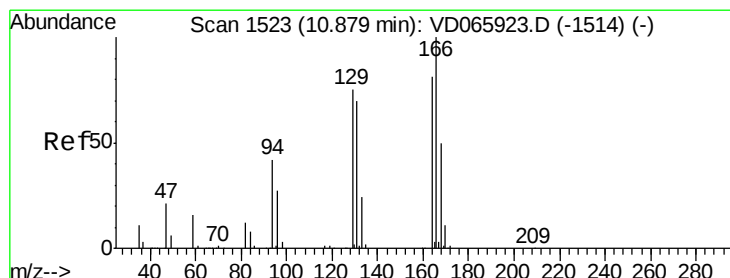
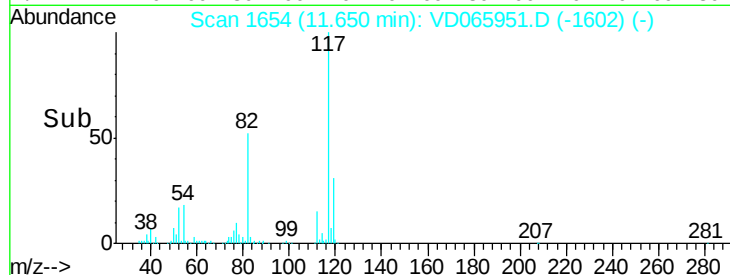
Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



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#64
Tetrachloroethene
Concen: 57.340 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	99.0	148.4
129	88.2	73.9	110.9
131	82.7	69.6	104.4

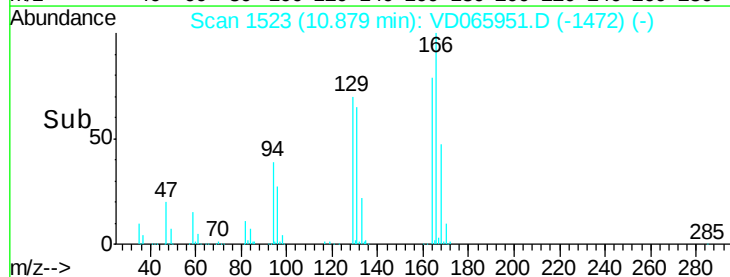
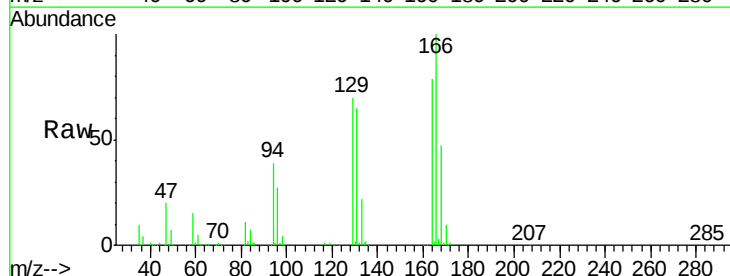
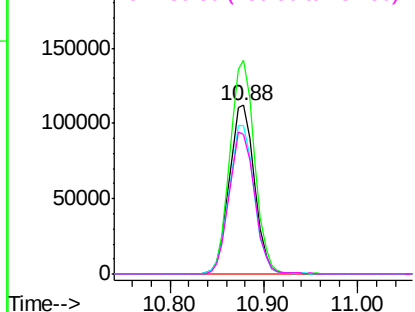
Abundance

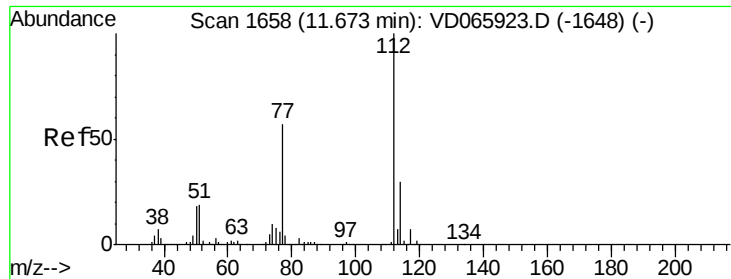
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





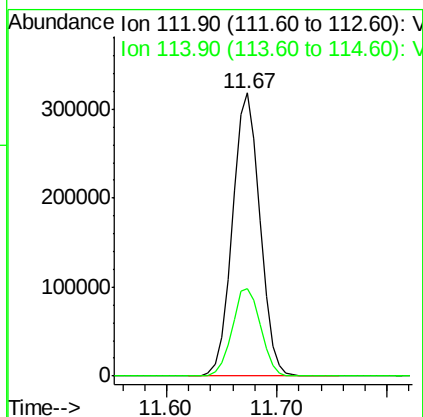
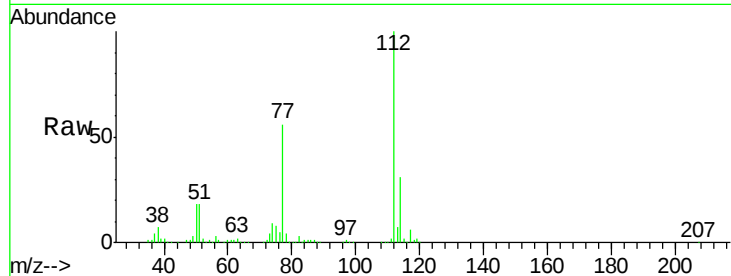
#65
Chlorobenzene
Concen: 55.209 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

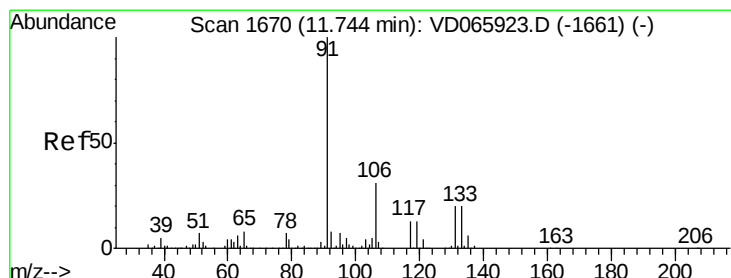
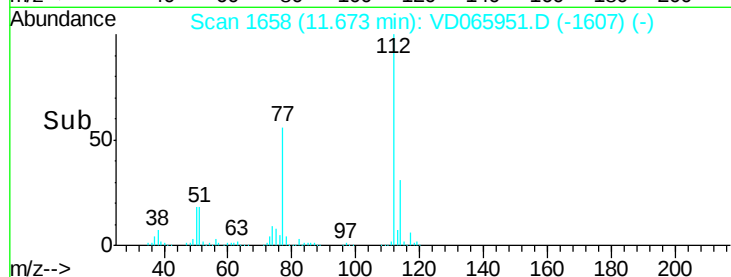
Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	24.2	36.4

Manual Integrations
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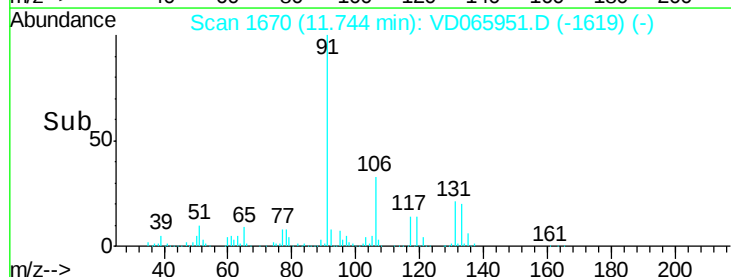
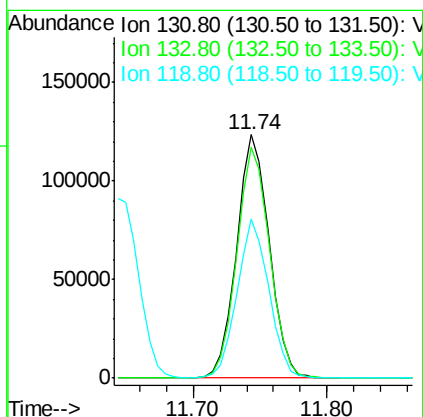
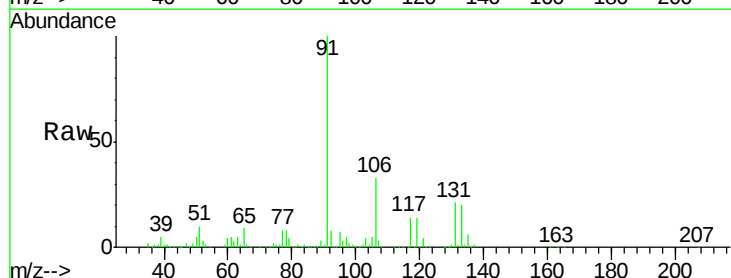


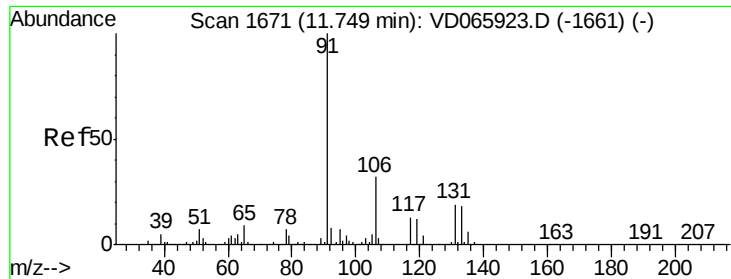
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.562 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.9	143.6
119	63.7	31.9	95.9





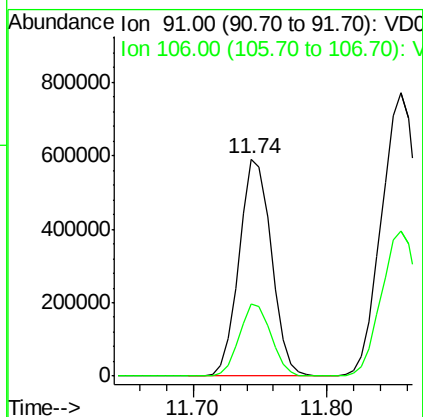
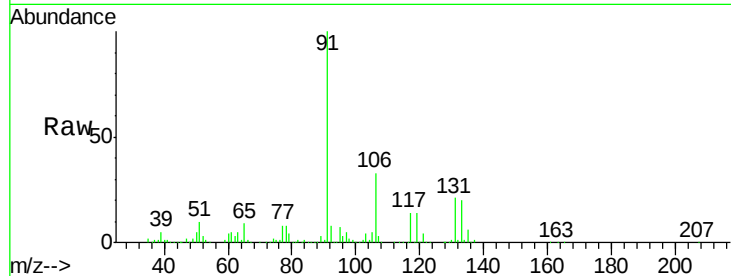
#67
Ethyl Benzene
Concen: 55.442 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

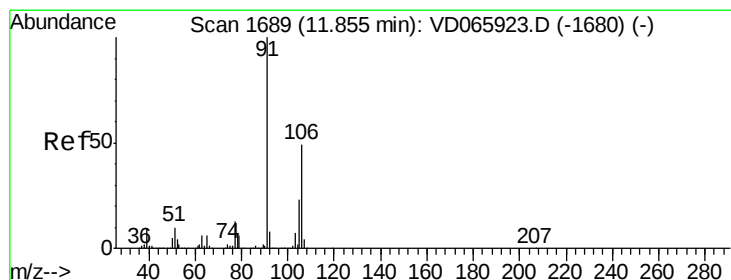
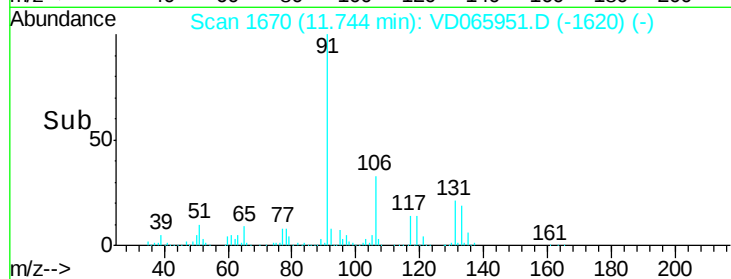
Tot Ion: 91 Resp: 988777
Ion Ratio Lower Upper
91 100
106 33.4 25.2 37.8

Manual Integrations
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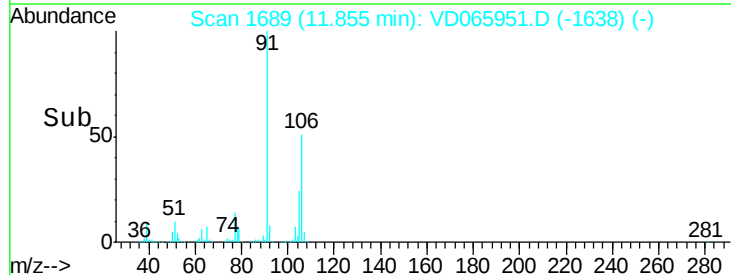
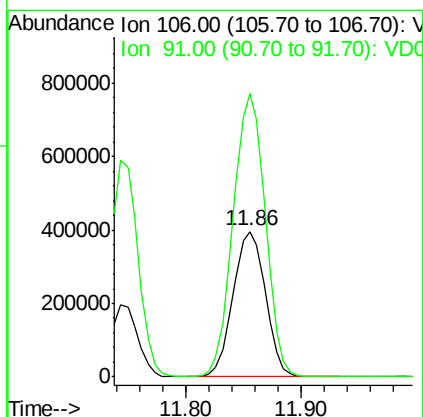
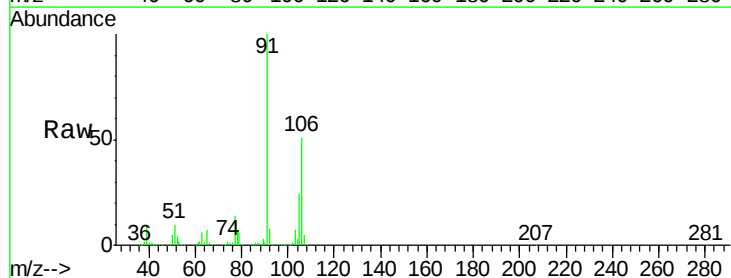


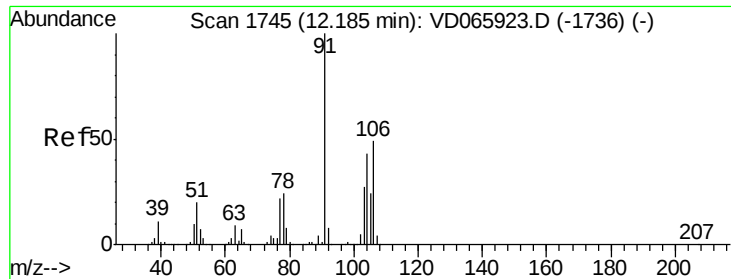
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#68
m/p-Xylenes
Concen: 113.580 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion: 106 Resp: 769600
Ion Ratio Lower Upper
106 100
91 193.4 158.2 237.2





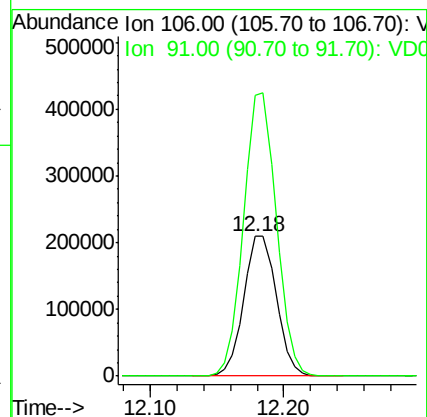
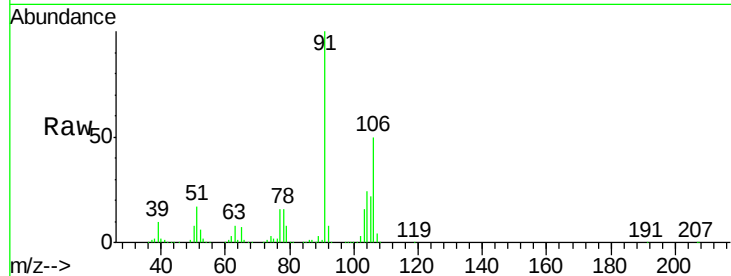
#69
o-Xylene
Concen: 57.453 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

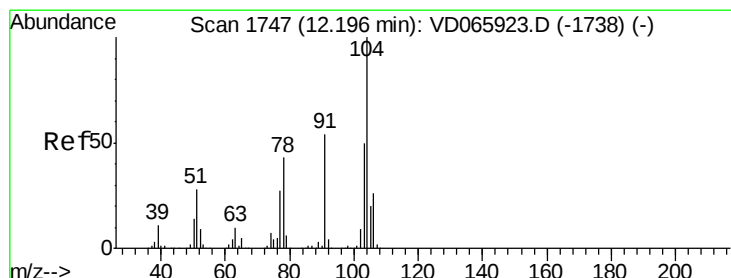
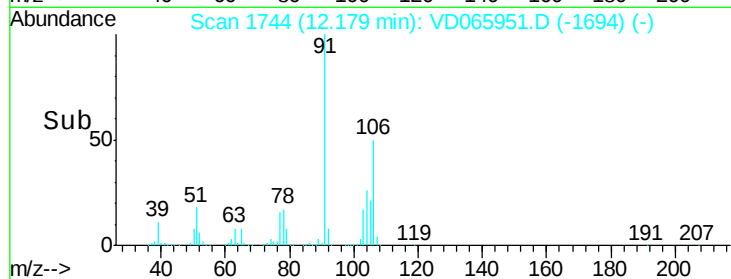
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	202.9	104.1	354625		312.2

Manual Integrations
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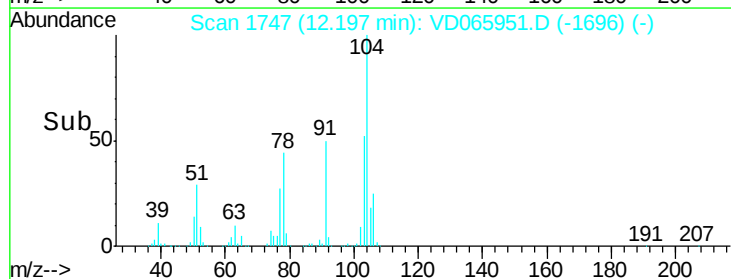
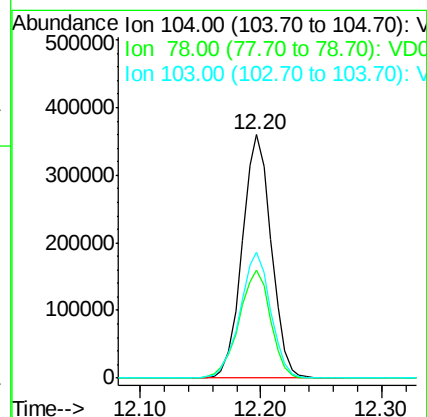
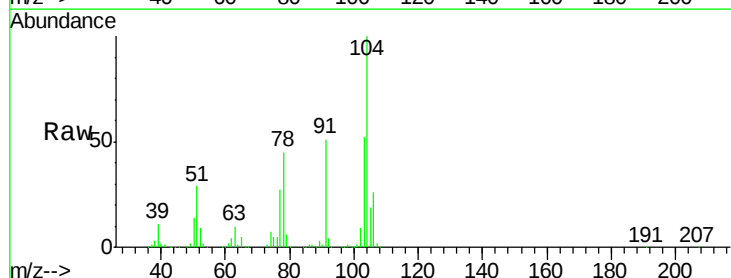


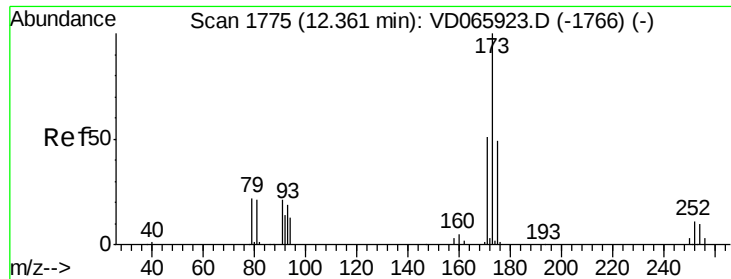
7/17/2020 4:43:37 PM



#70
Styrene
Concen: 56.754 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.9	38.8	604724		58.2
103	54.6	43.6			65.4





#71

Bromoform

Concen: 54.991 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

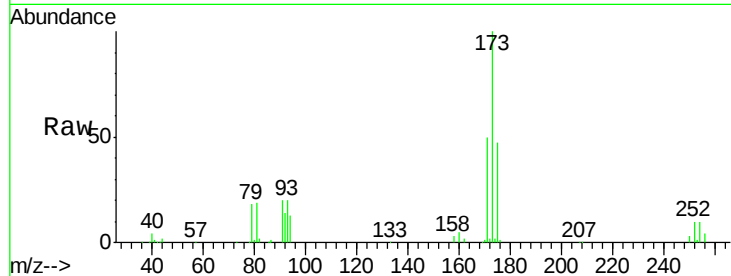
ClientSampleId :

VSTDCCC050

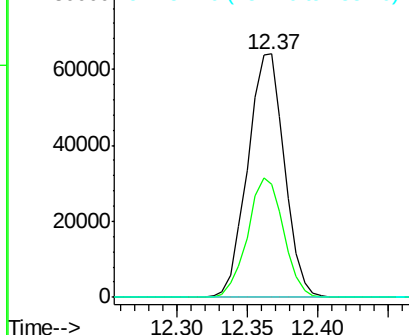
Tot Ion:	173	Resp:	116839
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.2	72.6
254	0.0	0.0	0.0

Manual Integrations
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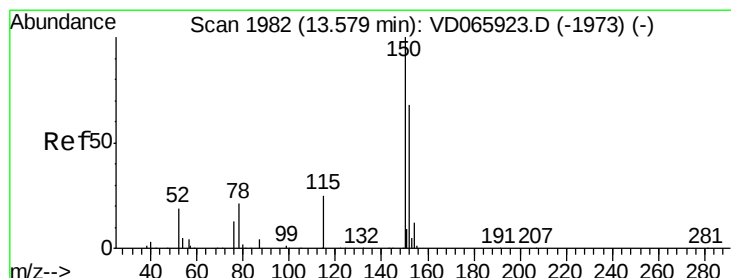
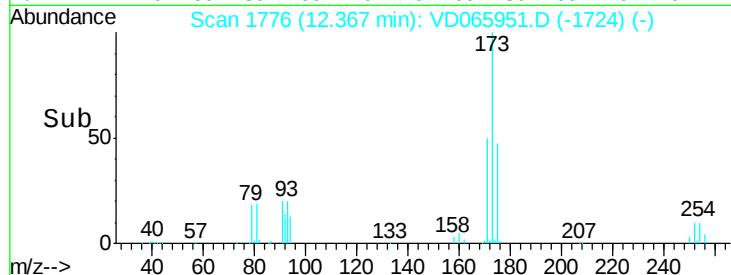
MMDadoda



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

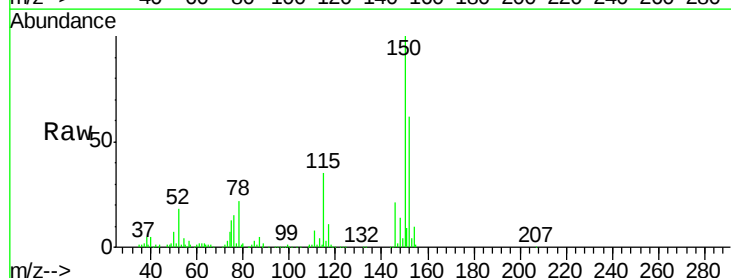
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

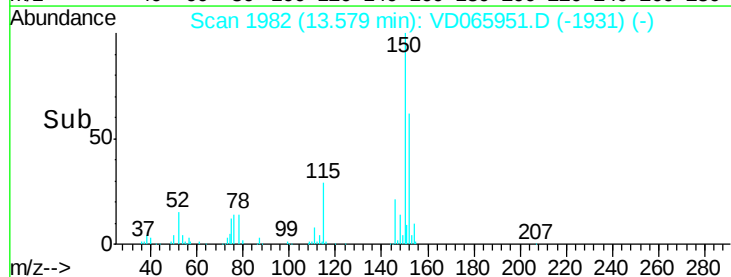
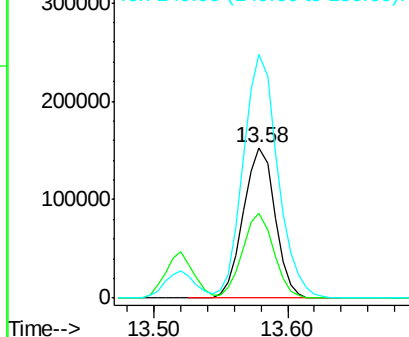
Lab File: VD065951.D

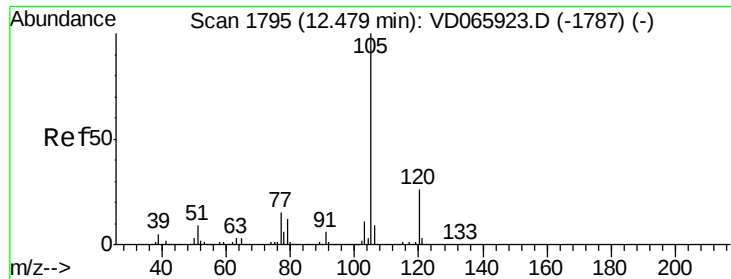
Acq: 16 Jul 2020 12:04

Tgt Ion:	152	Resp:	250360
Ion Ratio	Lower	Upper	
152	100		
115	56.2	27.8	83.3
150	176.5	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





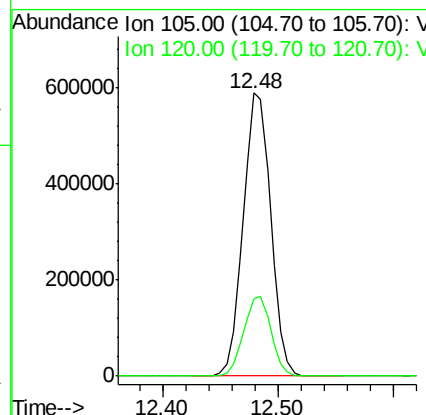
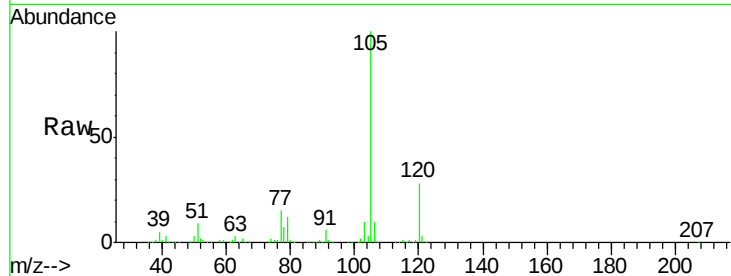
#73
Isopropylbenzene
Concen: 55.729 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

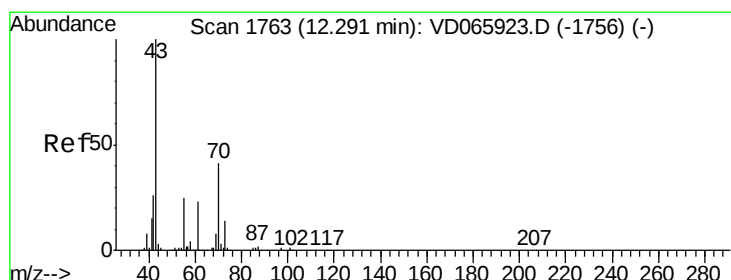
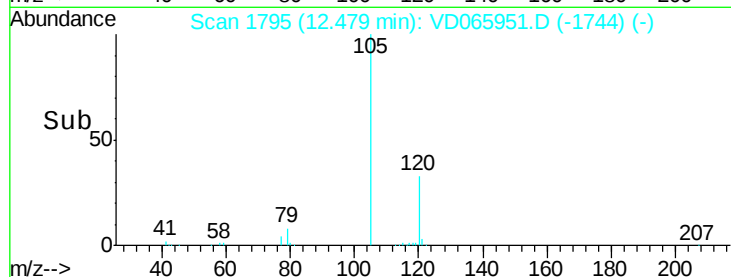
Tot Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.3	39.8

Manual Integrations
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MMDadoda

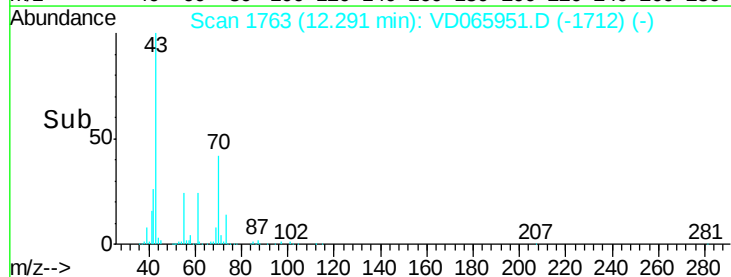
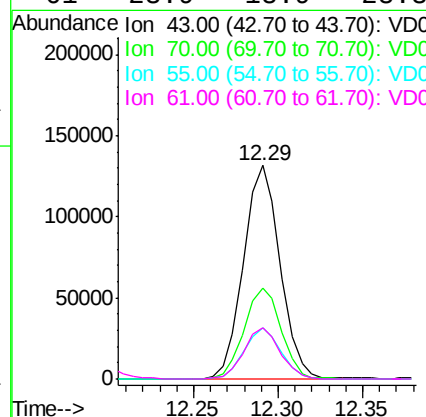
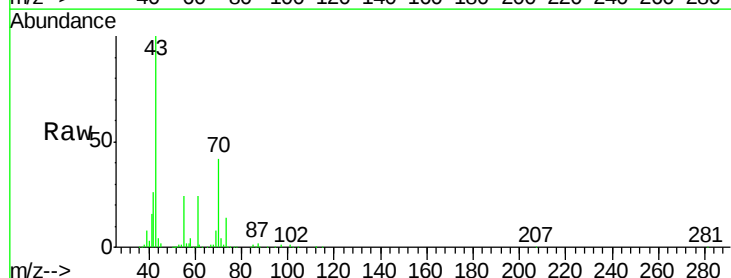


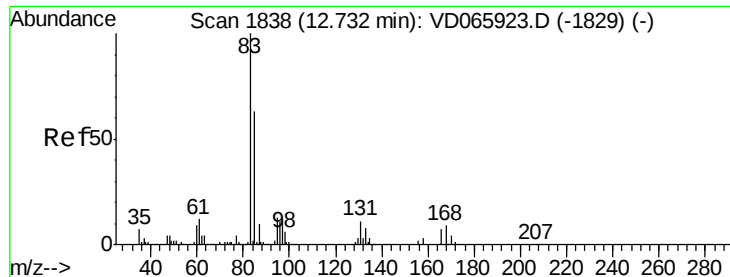
7/17/2020 4:43:37 PM



#74
N-ethyl acetate
Concen: 50.687 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.1	33.6	50.4
55	24.3	20.1	30.1
61	23.9	18.9	28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.456 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 149265
Ion Ratio Lower Upper

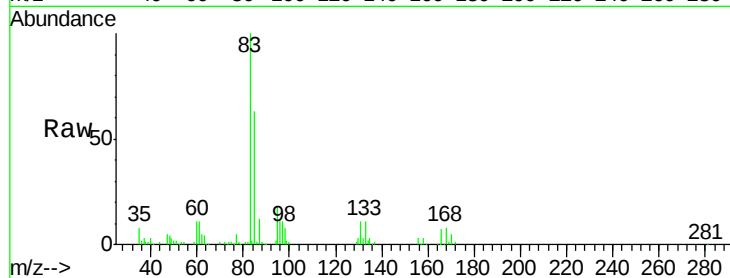
83 100

131 12.3 5.6 16.8

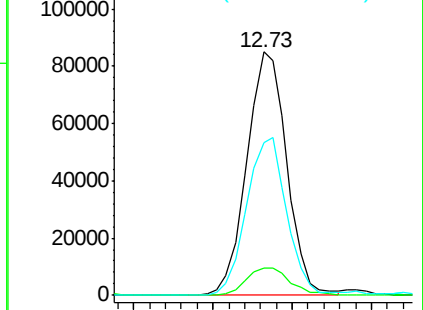
85 65.1 32.6 98.0

Manual Integrations
APPROVED

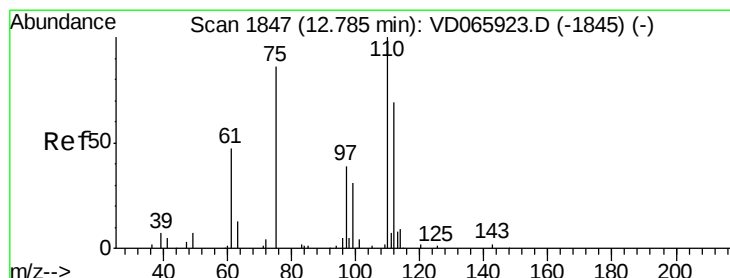
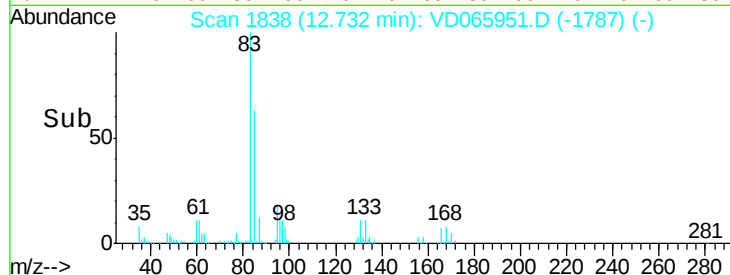
MMDadoda



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



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#76

1,2,3-Trichloropropane

Concen: 49.124 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

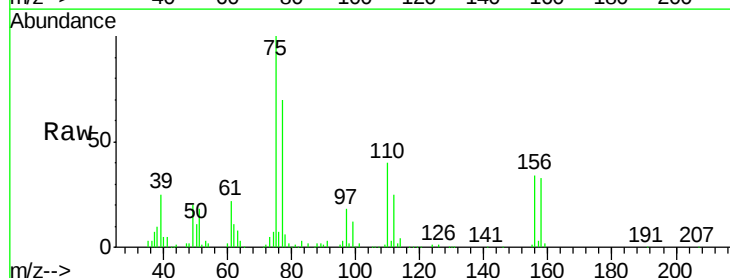
Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

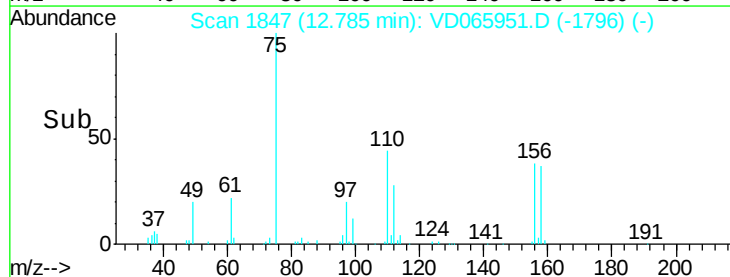
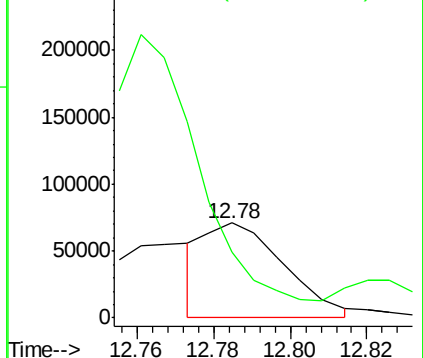
Tgt Ion: 75 Resp: 103169
Ion Ratio Lower Upper

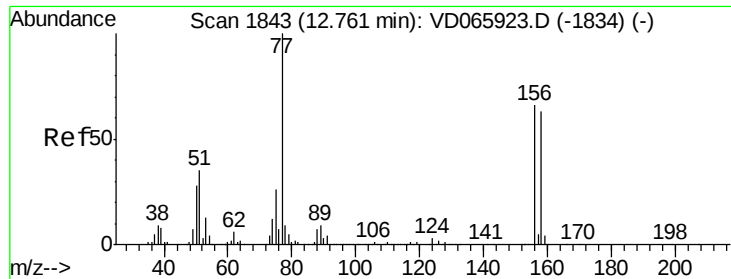
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 56.077 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 237650

Ion Ratio Lower Upper

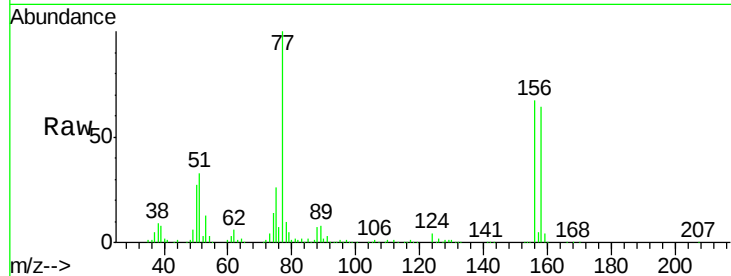
156 100

77 164.4 85.0 255.0

158 95.5 49.0 147.0

Manual Integrations
APPROVED

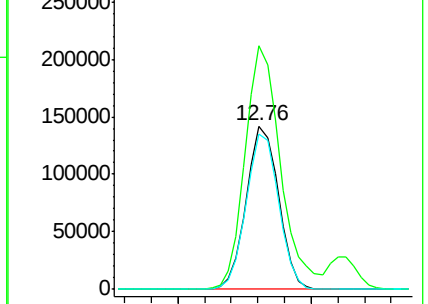
MMDadoda



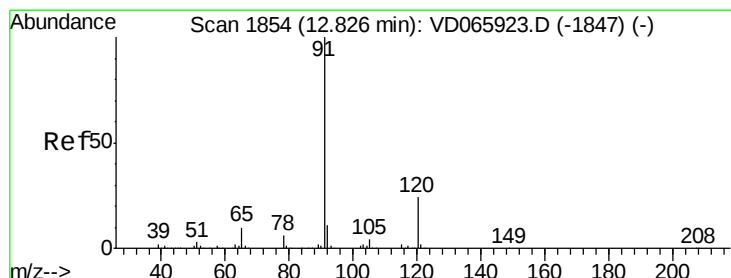
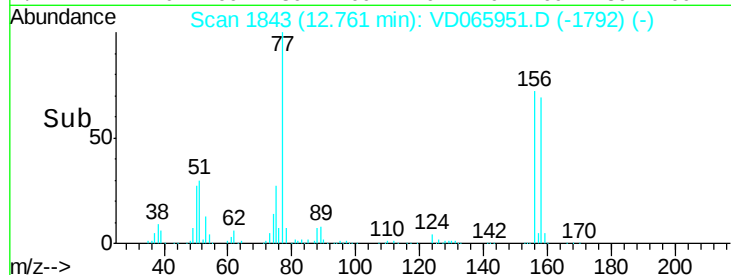
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



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#78

n-propylbenzene

Concen: 55.748 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065951.D

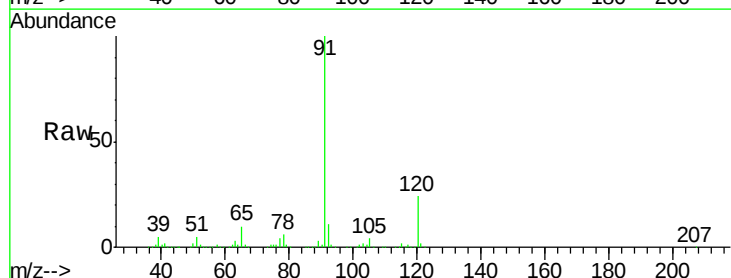
Acq: 16 Jul 2020 12:04

Tgt Ion: 91 Resp: 1142002

Ion Ratio Lower Upper

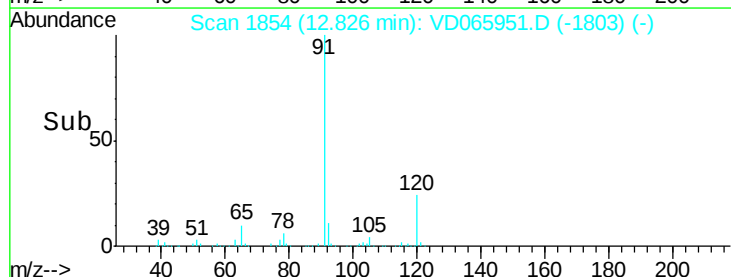
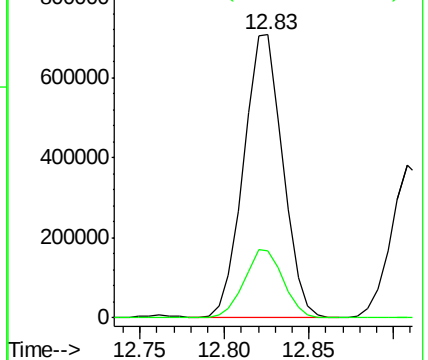
91 100

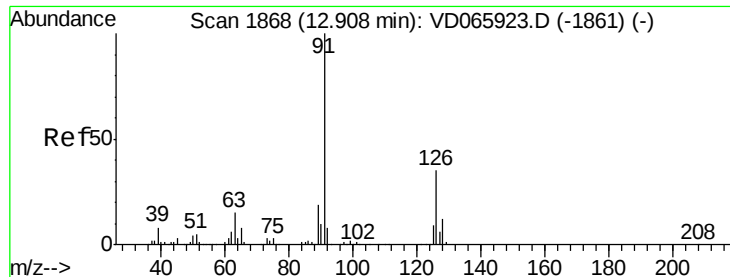
120 24.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.103 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 640372

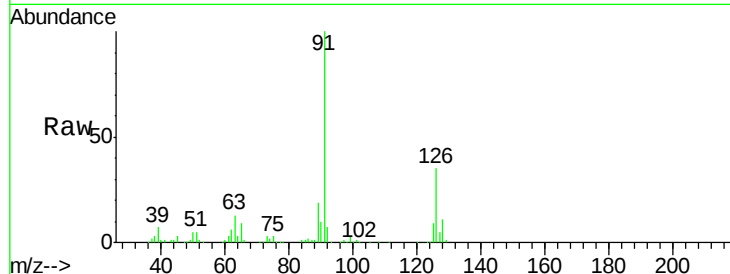
Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8

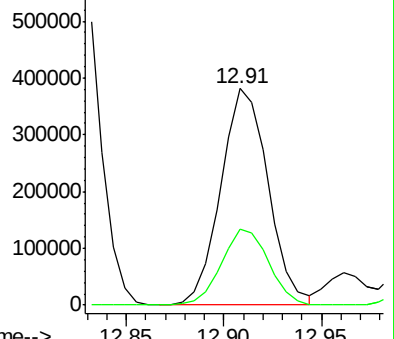
Manual Integrations
APPROVED

MMDadoda

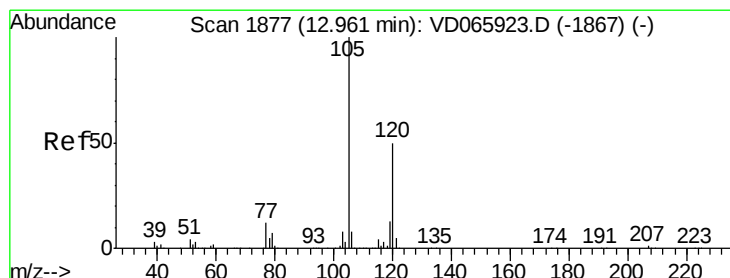
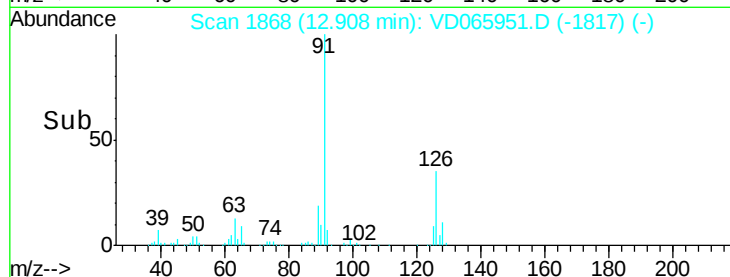


Abundance Ion 91.00 (90.70 to 91.70): VD065923.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD065923.D (-1861) (-)



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#80

1,3,5-Trimethylbenzene

Concen: 56.501 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD065951.D

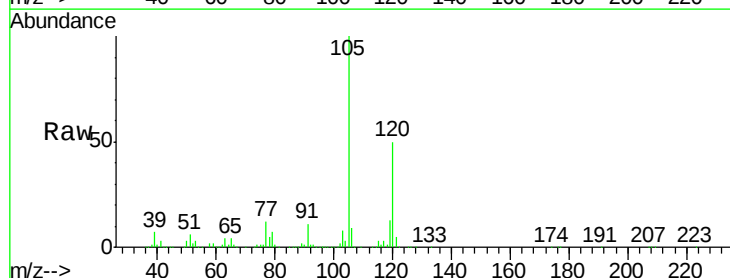
Acq: 16 Jul 2020 12:04

Tgt Ion:105 Resp: 807494

Ion Ratio Lower Upper

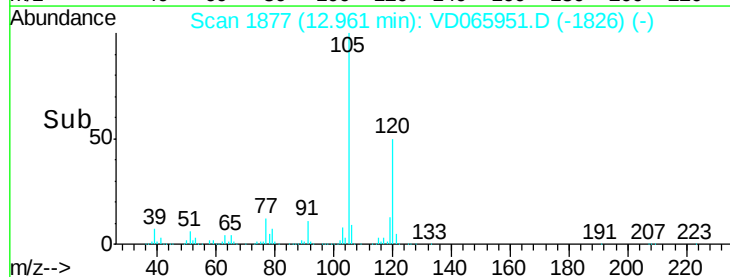
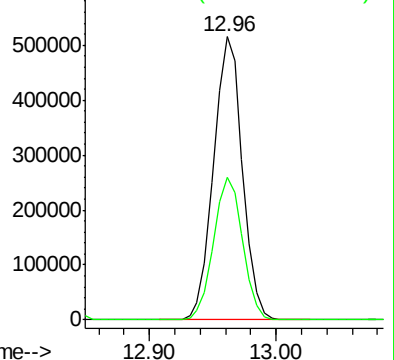
105 100

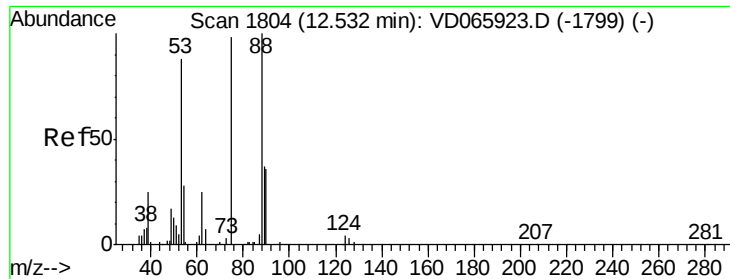
120 51.0 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VD065923.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD065923.D (-1867) (-)





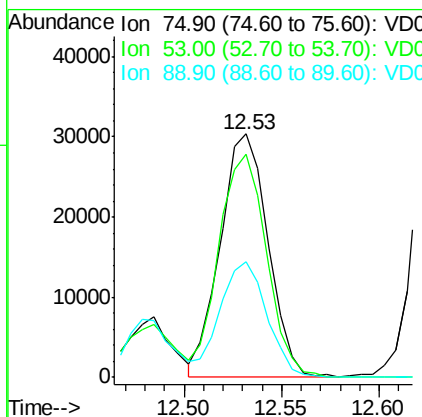
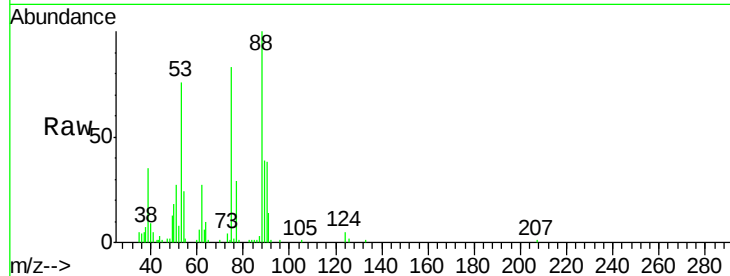
#81
trans-1,4-Dichloro-2-butene
Concen: 52.645 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

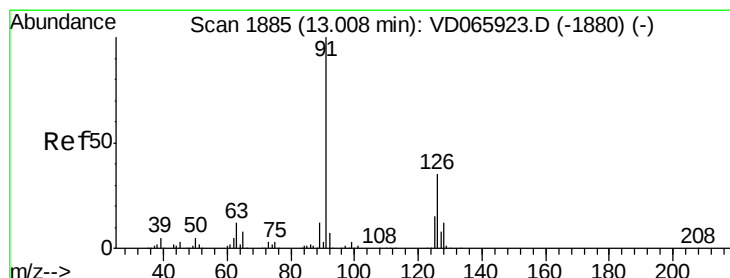
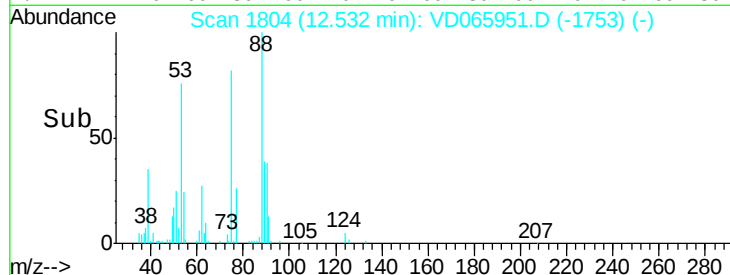
Tot Ion	Ratio	Lower	Upper
75	100		
53	91.7	75.8	113.8
89	47.2	37.5	56.3

Manual Integrations
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MMDadoda

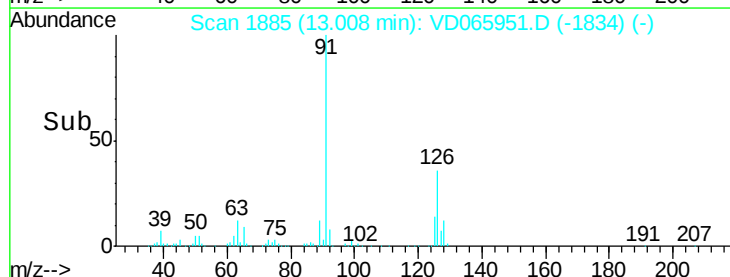
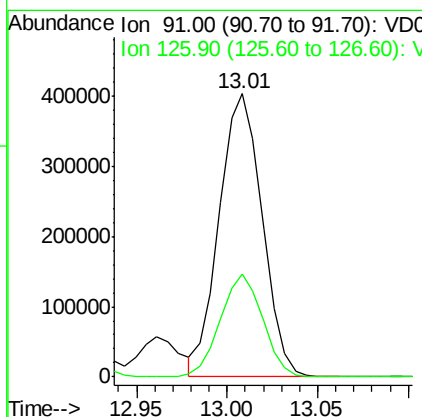
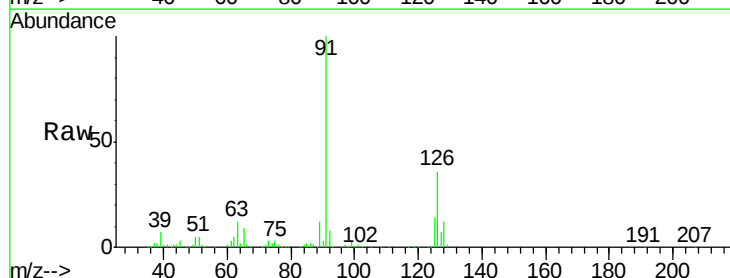


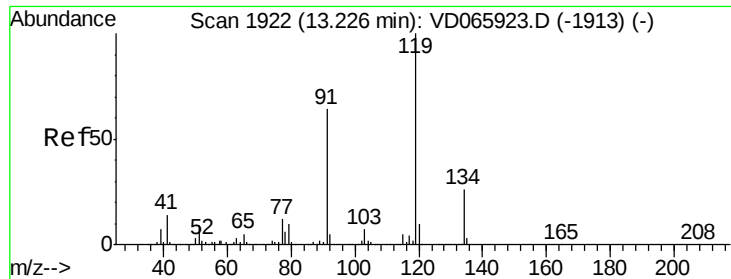
7/17/2020 4:43:37 PM



#82
4-Chlorotoluene
Concen: 54.478 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.3	51.7





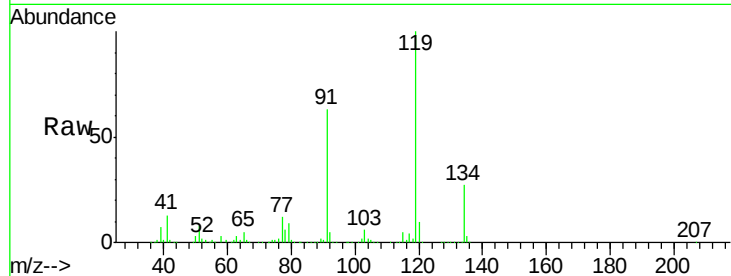
#83
tert-Butylbenzene
Concen: 58.342 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

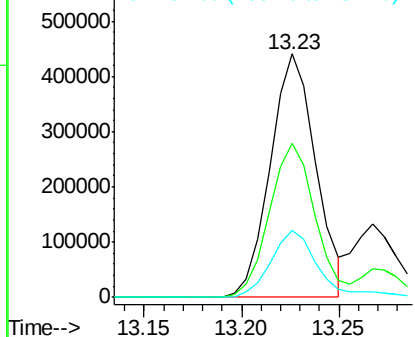
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.4	97.2
134	28.6	14.1	42.4

Manual Integrations
APPROVED

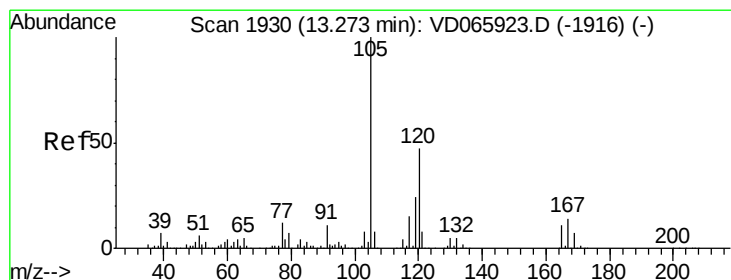
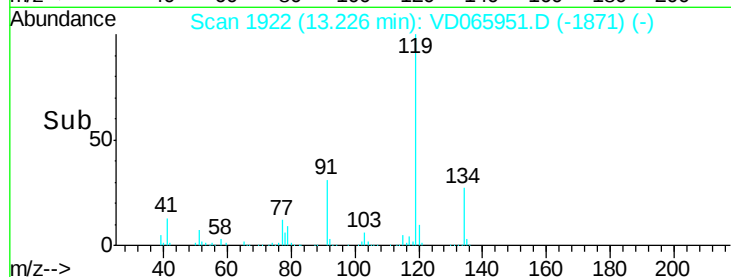
MMDadoda



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VD
Ion 134.00 (133.70 to 134.70): V

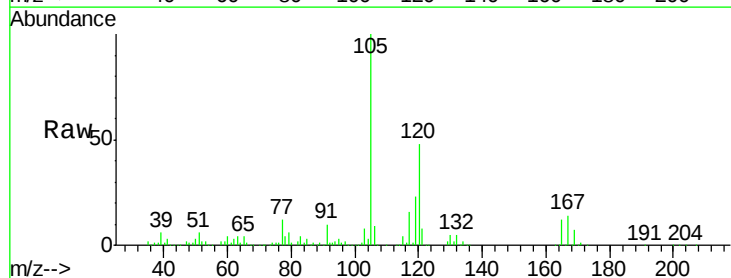


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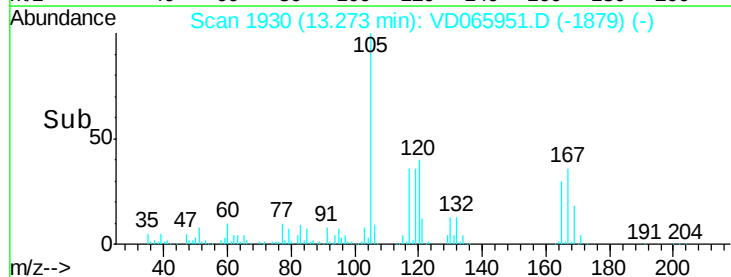
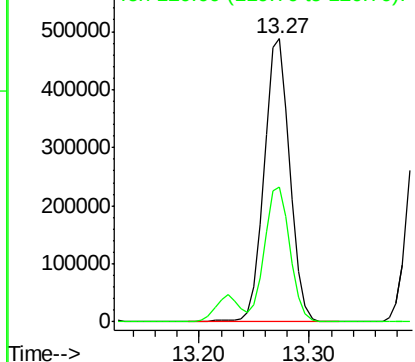


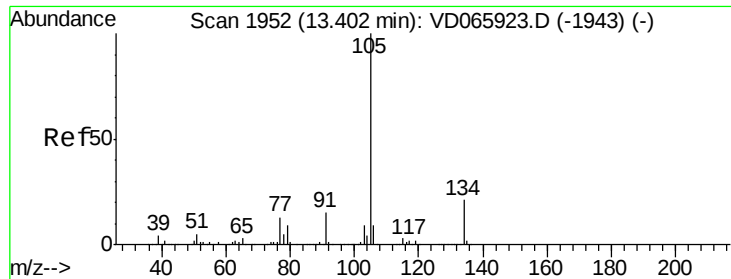
#84
1,2,4-Trimethylbenzene
Concen: 55.712 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.2	69.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 57.544 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 992956

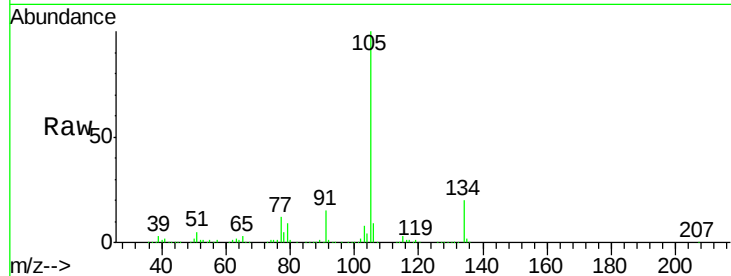
Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.1

Manual Integrations
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MMDadoda



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

600000

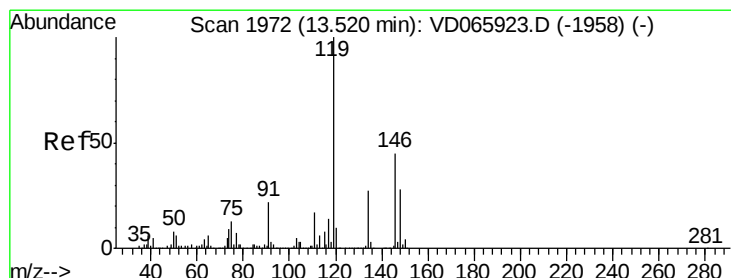
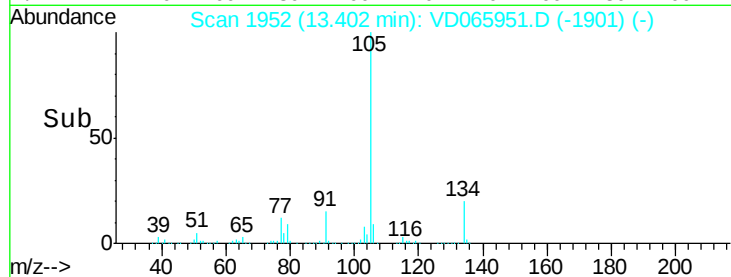
400000

200000

0

Time-->

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#86

p-Isopropyltoluene

Concen: 57.685 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065951.D

Acq: 16 Jul 2020 12:04

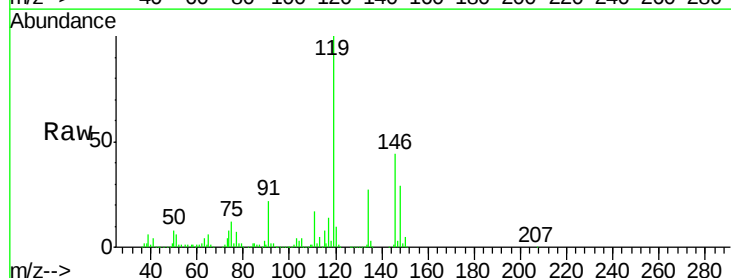
Tgt Ion:119 Resp: 910439

Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

91 22.3 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

800000

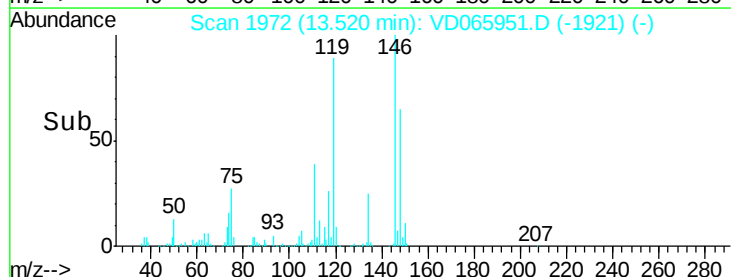
600000

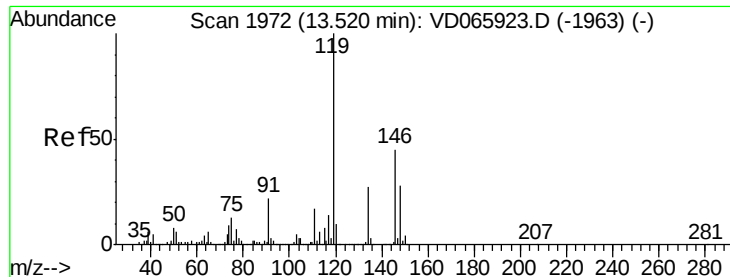
400000

200000

0

Time-->





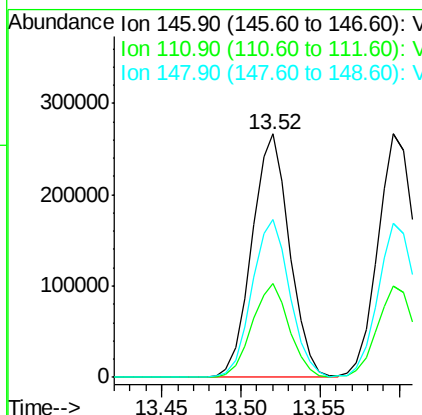
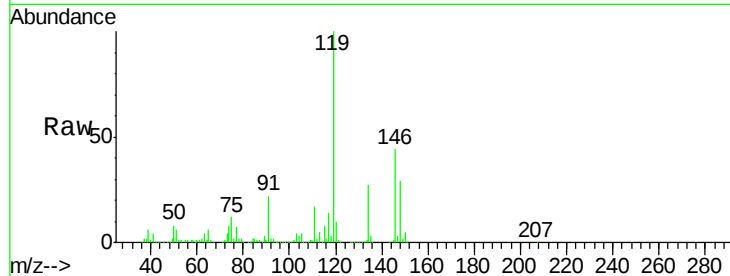
#87
 1,3-Dichlorobenzene
 Concen: 55.436 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

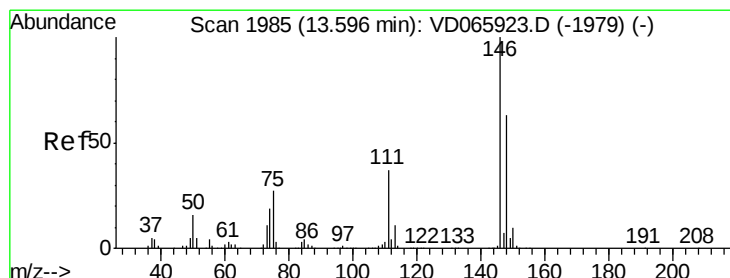
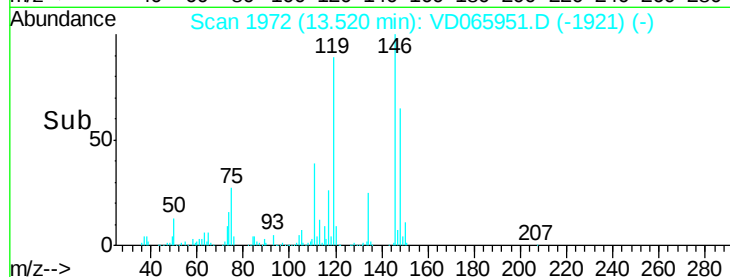
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.8
148	64.9	32.0	96.0

Manual Integrations
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MM Dadoda

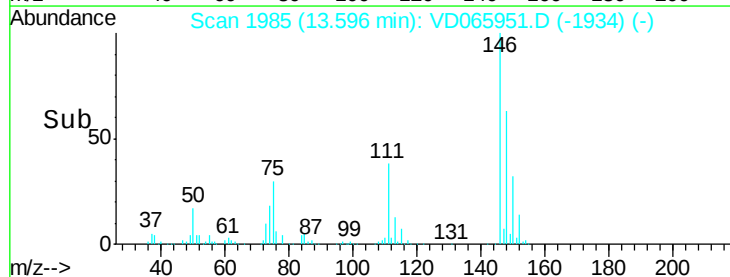
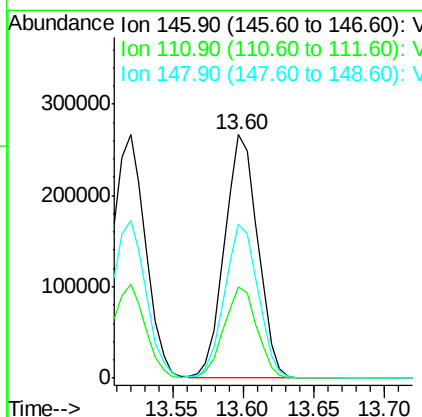
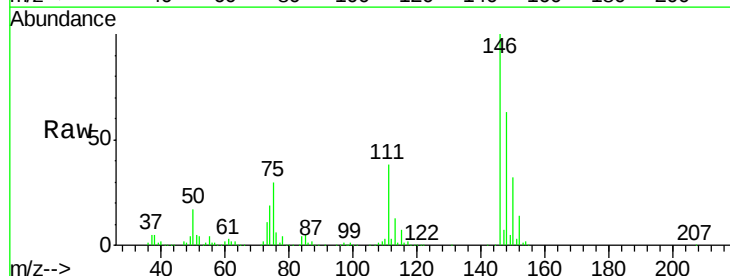


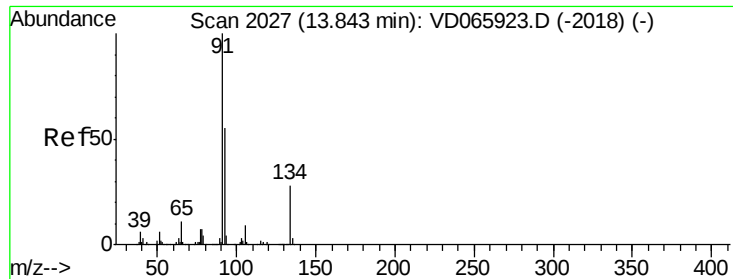
7/17/2020 4:43:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 55.391 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.7
148	63.8	32.1	96.3





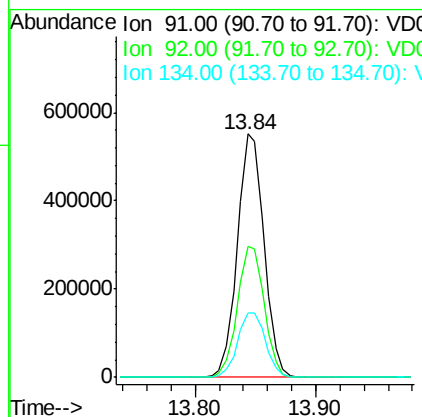
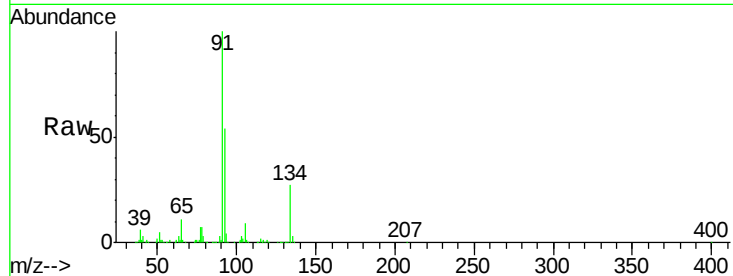
#89
n-Butylbenzene
Concen: 57.311 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

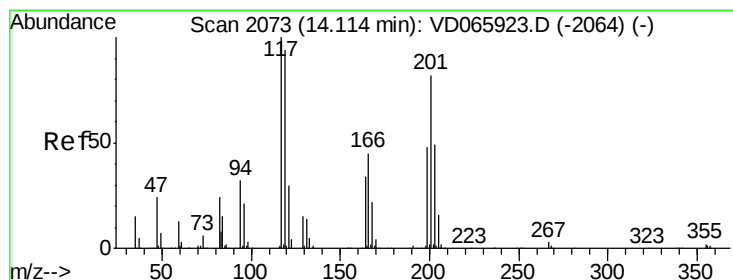
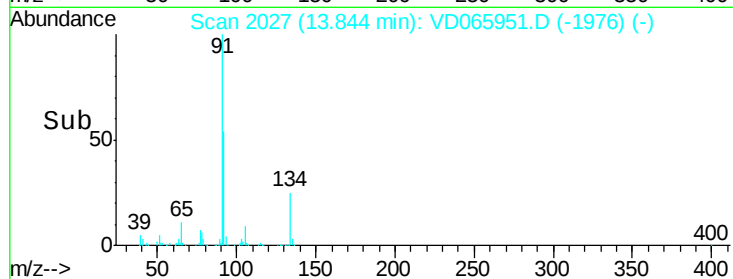
Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		849414		
92	54.2	27.2		81.6	
134	27.8	13.8		41.3	

Manual Integrations
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MMMadoda

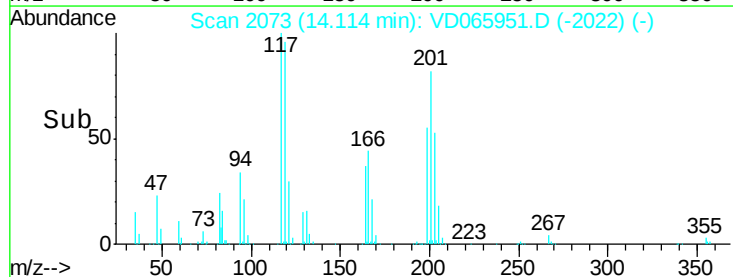
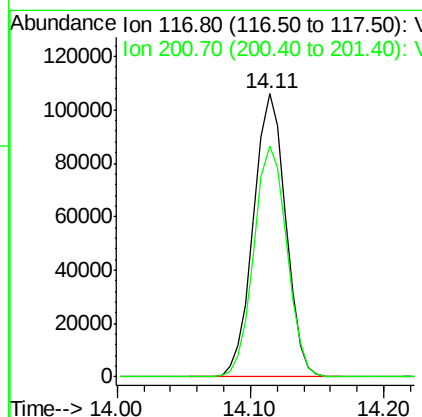
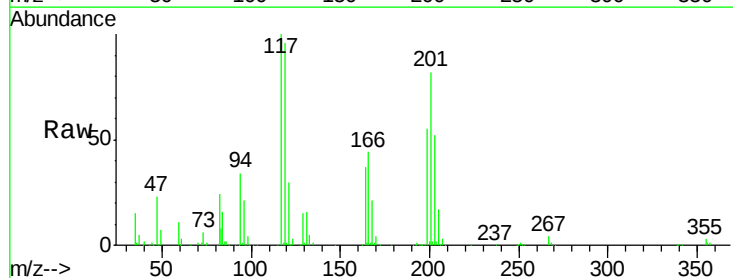


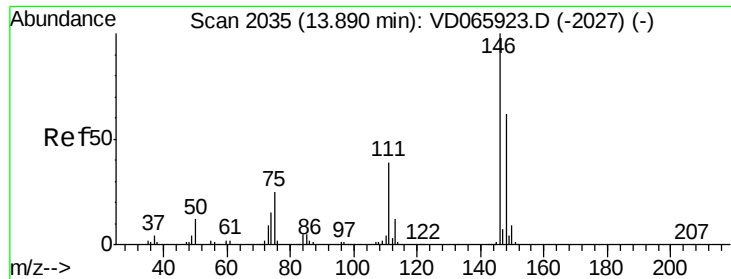
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#90
Hexachloroethane
Concen: 55.718 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		177335		
201	83.2	40.0		120.0	





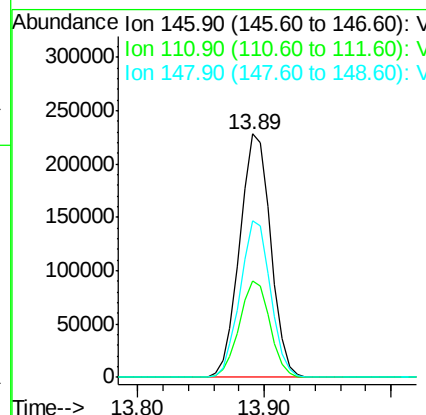
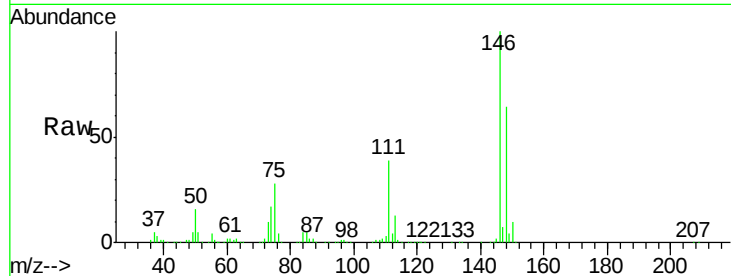
#91
 1,2-Dichlorobenzene
 Concen: 55.723 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

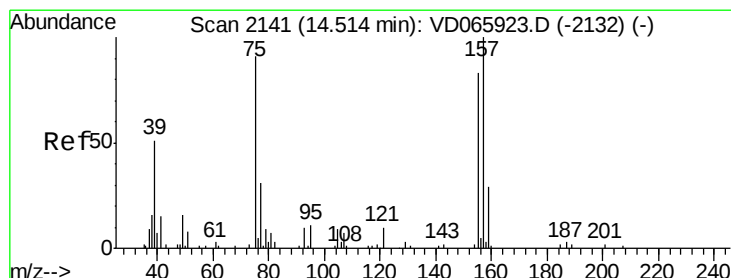
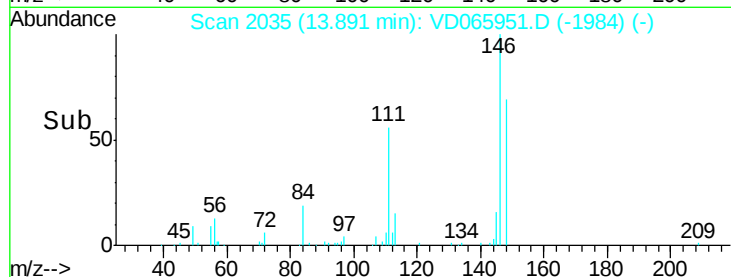
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.2	32.5	97.5

Manual Integrations
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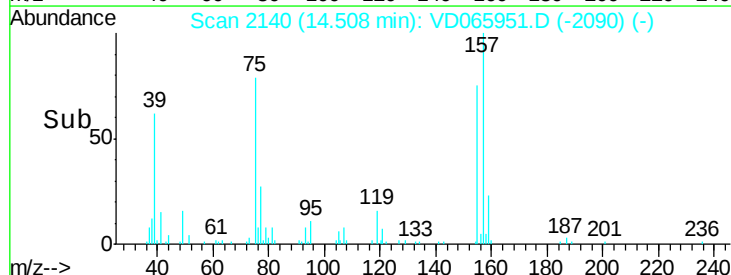
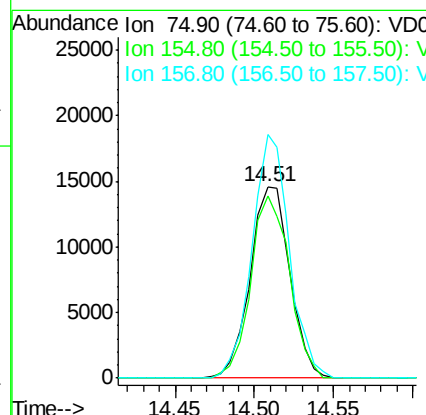
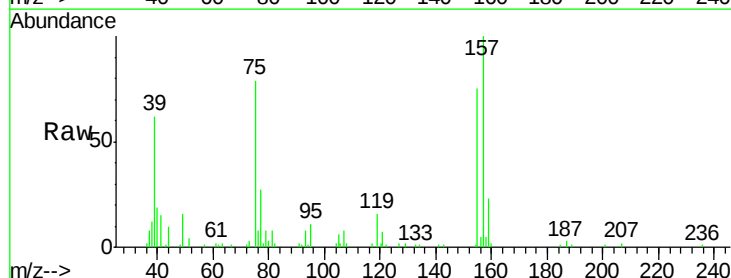


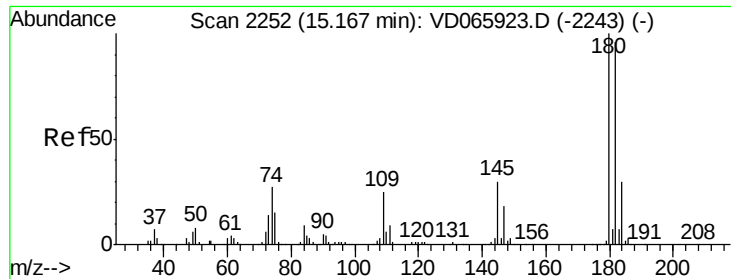
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.701 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	45.3	135.8
157	118.8	56.9	170.6





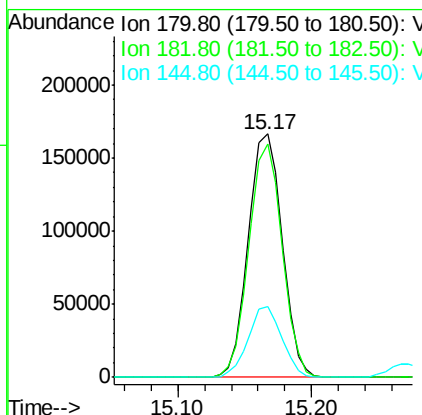
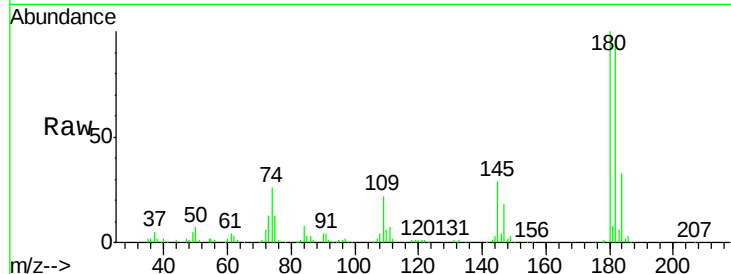
#93
 1,2,4-Trichlorobenzene
 Concen: 59.280 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

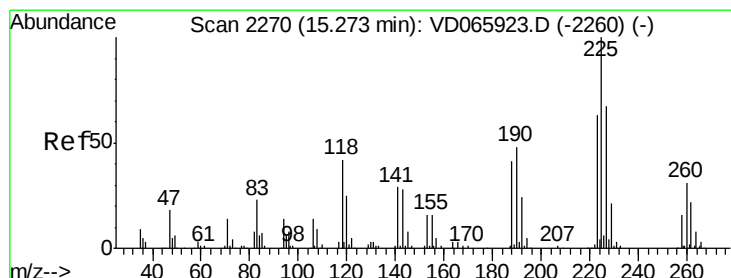
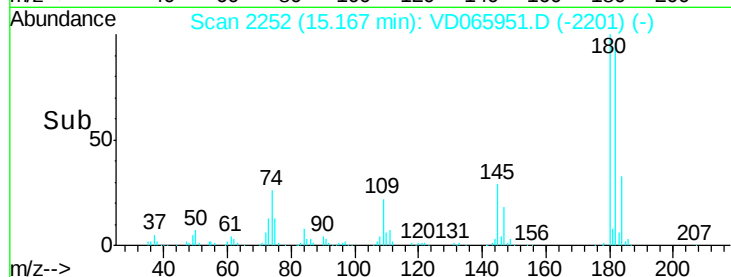
Tot Ion	Ratio	Resp	Lower	Upper
180	100	292828		
182	94.0	48.5	145.6	
145	28.9	15.0	45.1	

Manual Integrations
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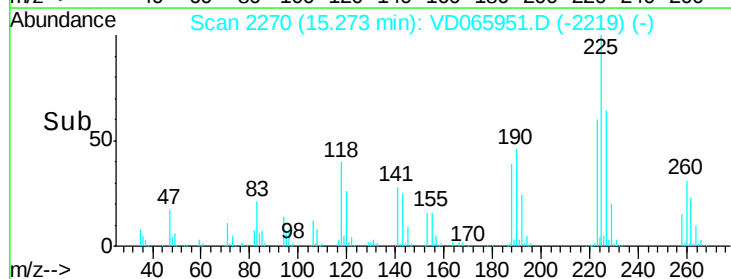
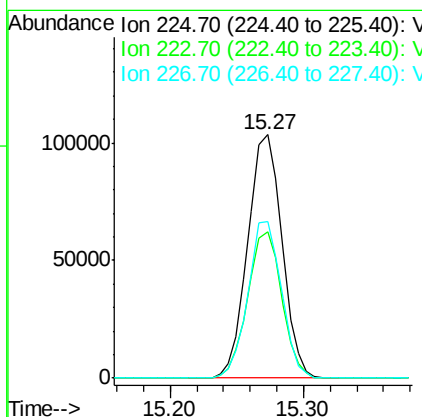
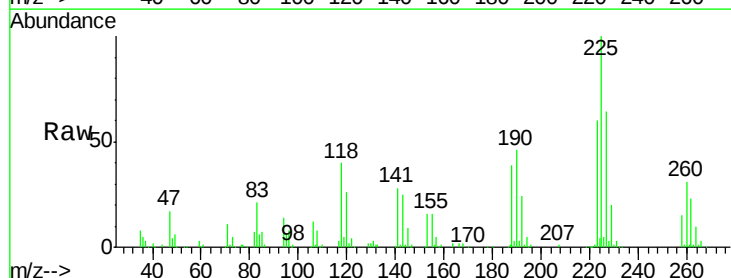


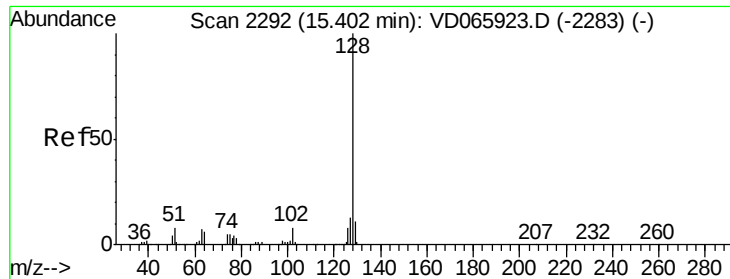
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#94
 Hexachlorobutadiene
 Concen: 61.333 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065951.D
 Acq: 16 Jul 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	183265		
223	60.0	31.1	93.2	
227	63.0	31.6	95.0	





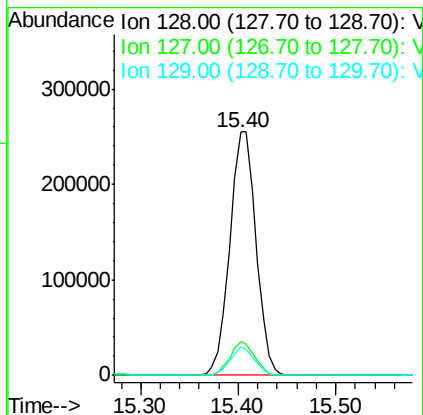
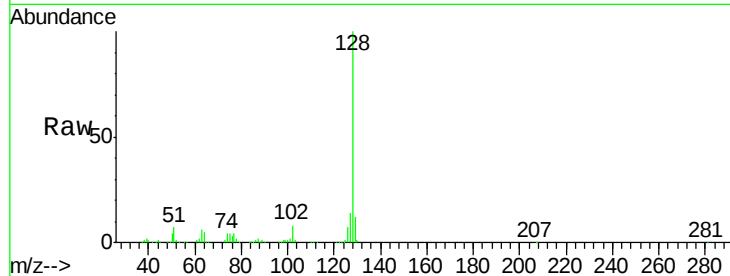
#95
Naphthalene
Concen: 57.264 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

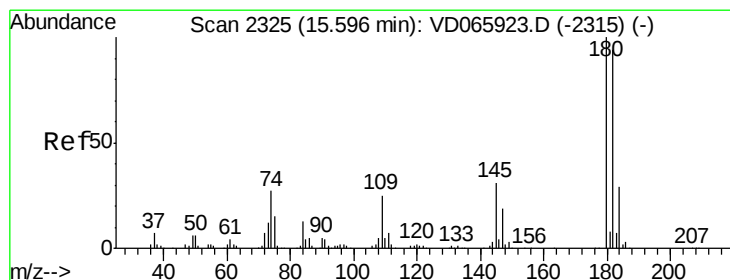
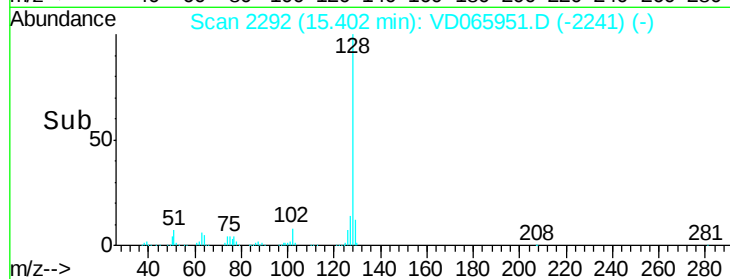
Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		474417		
127	13.3	10.8		16.2	
129	10.9	8.9		13.3	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 58.561 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD065951.D
Acq: 16 Jul 2020 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		249520		
182	95.3	47.6		142.8	
145	31.2	16.1		48.2	

