

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065969.D
 Acq On : 16 Jul 2020 20:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/17/2020 4:43:43 PM

Quant Time: Jul 17 04:51:10 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	320148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	485375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	458589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235545	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	131532	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
35) Dibromofluoromethane	7.91	113	146640	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	10.34	98	529628	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.63	95	191872	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	115424	40.555	ug/l	97
3) Chloromethane	2.20	50	112880	40.008	ug/l	95
4) Vinyl Chloride	2.35	62	103014	39.764	ug/l	100
5) Bromomethane	2.77	94	75339	45.911	ug/l	93
6) Chloroethane	2.92	64	67535	43.611	ug/l	96
7) Trichlorofluoromethane	3.27	101	261548	47.106	ug/l	100
8) Diethyl Ether	3.70	74	80645	52.943	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	161497	48.627	ug/l	99
10) Methyl Iodide	4.30	142	166575	47.738	ug/l	98
11) Tert butyl alcohol	5.22	59	45202	254.028	ug/l	97
12) 1,1-Dichloroethene	4.07	96	152895	49.278	ug/l	96
13) Acrolein	3.92	56	30744	211.800	ug/l	90
14) Allyl chloride	4.71	41	257968	49.062	ug/l	98
15) Acrylonitrile	5.42	53	180050	269.972	ug/l	99
16) Acetone	4.16	43	147945	222.496	ug/l	93
17) Carbon Disulfide	4.41	76	464713	47.007	ug/l	98
18) Methyl Acetate	4.71	43	79311	50.884	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	359363	54.708	ug/l	100
20) Methylene Chloride	4.97	84	222115	62.914	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	181167	51.898	ug/l	92
22) Diisopropyl ether	6.37	45	529943	53.632	ug/l	96
23) Vinyl Acetate	6.31	43	1512524	268.173	ug/l	100
24) 1,1-Dichloroethane	6.27	63	309492	52.527	ug/l	99
25) 2-Butanone	7.21	43	213626	243.132	ug/l	97
26) 2,2-Dichloropropane	7.21	77	254529	49.381	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	202240	53.920	ug/l	98
28) Bromochloromethane	7.55	49	106420	47.812	ug/l	95
29) Tetrahydrofuran	7.56	42	143771	257.326	ug/l	99
30) Chloroform	7.71	83	315300	52.786	ug/l	97
31) Cyclohexane	7.98	56	259203	44.712	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	282982	51.913	ug/l	99
36) 1,1-Dichloropropene	8.11	75	241087	50.292	ug/l	99
37) Ethyl Acetate	7.29	43	102900	51.230	ug/l	98
38) Carbon Tetrachloride	8.10	117	254859	49.601	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	284724	48.378	ug/l	99
40) Benzene	8.35	78	700811	52.918	ug/l	98
41) Methacrylonitrile	7.53	41	61083m	52.379	ug/l	
42) 1,2-Dichloroethane	8.43	62	194613	51.872	ug/l	99
43) Isopropyl Acetate	8.46	43	194359	51.985	ug/l	96
44) Trichloroethene	9.11	130	205224	52.741	ug/l	98
45) 1,2-Dichloropropane	9.39	63	179774	54.692	ug/l	99
46) Dibromomethane	9.47	93	90628	52.959	ug/l	95
47) Bromodichloromethane	9.66	83	246668	53.735	ug/l	99
48) Methyl methacrylate	9.46	41	101543	53.951	ug/l	97
49) 1,4-Dioxane	9.46	88	21000	1032.781	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	506598	268.017	ug/l	100
52) Toluene	10.40	92	456967	54.237	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	233221	54.033	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	280636	53.808	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	131669	55.844	ug/l	97
56) Ethyl methacrylate	10.66	69	160068	55.583	ug/l	99
57) 1,3-Dichloropropane	10.95	76	222744	54.020	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	344323	246.882	ug/l	97
59) 2-Hexanone	10.98	43	335734	258.268	ug/l	98
60) Dibromochloromethane	11.14	129	176350	54.744	ug/l	97
61) 1,2-Dibromoethane	11.25	107	128276	54.567	ug/l	100
64) Tetrachloroethene	10.88	164	175195	52.532	ug/l	96
65) Chlorobenzene	11.67	112	493162	53.364	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	189240	54.749	ug/l	99
67) Ethyl Benzene	11.74	91	865546	52.721	ug/l	98
68) m/p-Xylenes	11.86	106	670259	107.456	ug/l	98
69) o-Xylene	12.18	106	310349	54.619	ug/l	100
70) Styrene	12.20	104	546676	55.734	ug/l	98
71) Bromoform	12.36	173	108895	55.676	ug/l #	99
73) Isopropylbenzene	12.48	105	848063	51.589	ug/l	99
74) N-amyl acetate	12.29	43	186296	50.503	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	140409	51.447	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	93768m	47.456	ug/l	
77) Bromobenzene	12.76	156	213733	53.606	ug/l	98
78) n-propylbenzene	12.82	91	979864	50.841	ug/l	100
79) 2-Chlorotoluene	12.91	91	559159	51.141	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	696598	51.808	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	46172	50.210	ug/l	99
82) 4-Chlorotoluene	13.01	91	584193	50.926	ug/l	99
83) tert-Butylbenzene	13.23	119	599041	52.293	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	702126	52.459	ug/l	100
85) sec-Butylbenzene	13.40	105	827052	50.944	ug/l	99
86) p-Isopropyltoluene	13.52	119	766831	51.642	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	395079	52.954	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	389912	52.385	ug/l	99
89) n-Butylbenzene	13.84	91	697335	50.009	ug/l	99
90) Hexachloroethane	14.11	117	152168	50.818	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	341421	52.358	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21461	47.027	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	248032	53.369	ug/l	98
94) Hexachlorobutadiene	15.27	225	145057	51.599	ug/l	100
95) Naphthalene	15.40	128	412845	52.967	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	214452	53.497	ug/l	98

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

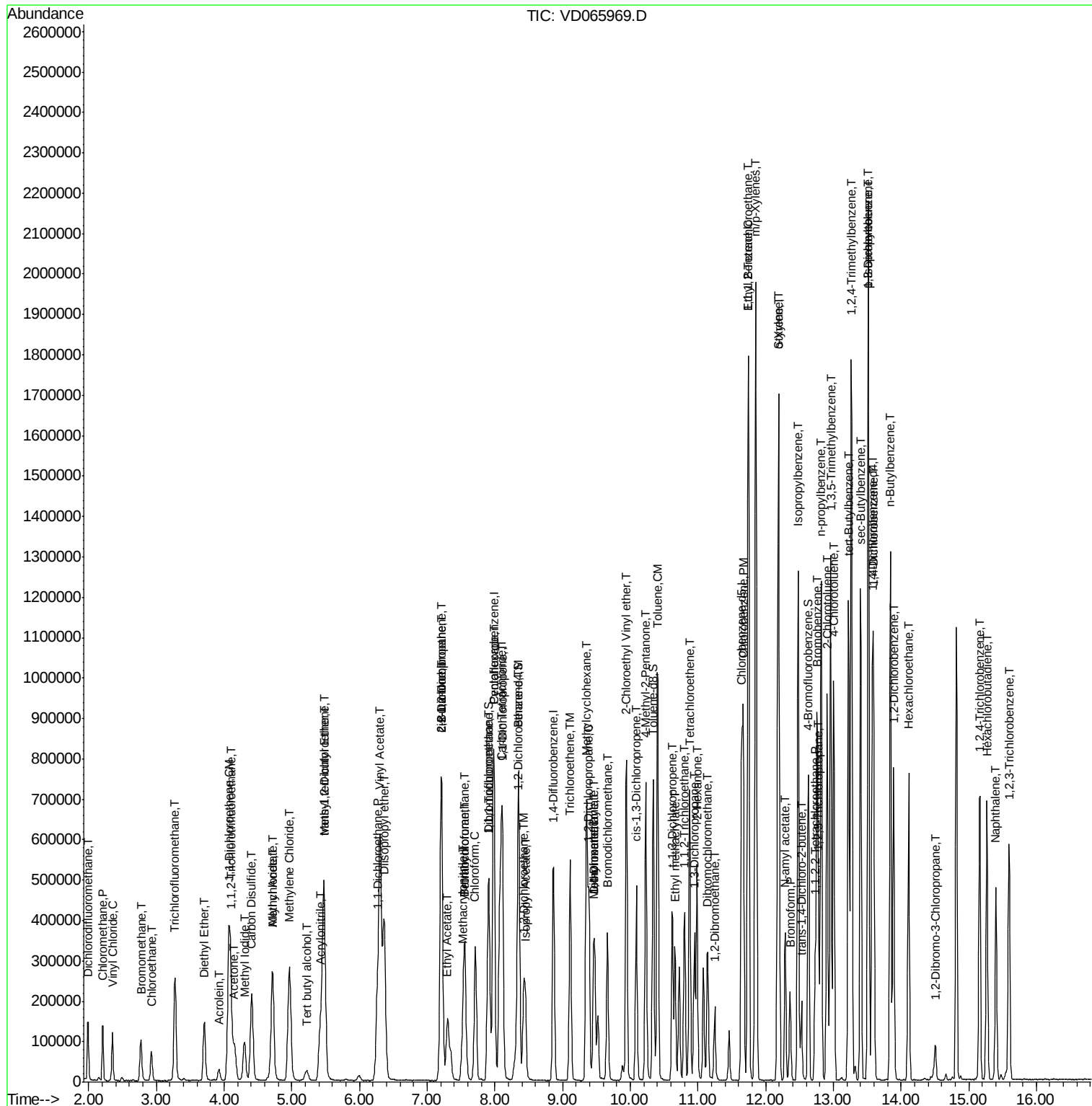
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
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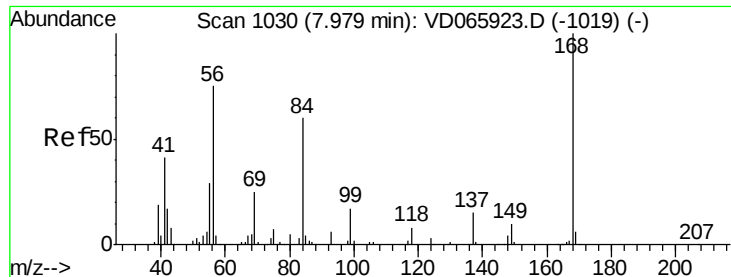
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 320148

Ion Ratio Lower Upper

168 100

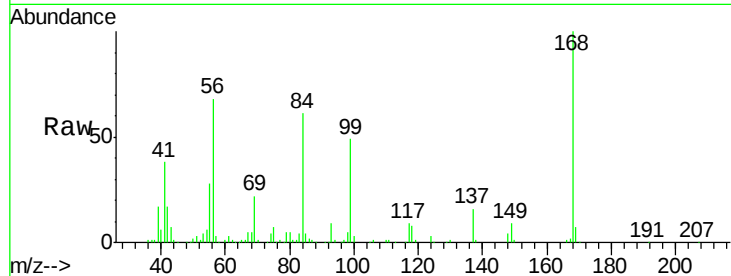
99 48.7 43.1 64.7

Manual Integrations

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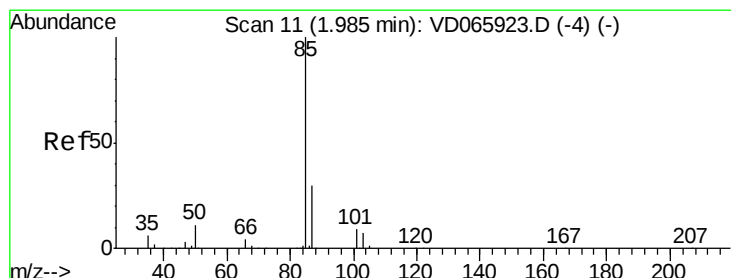
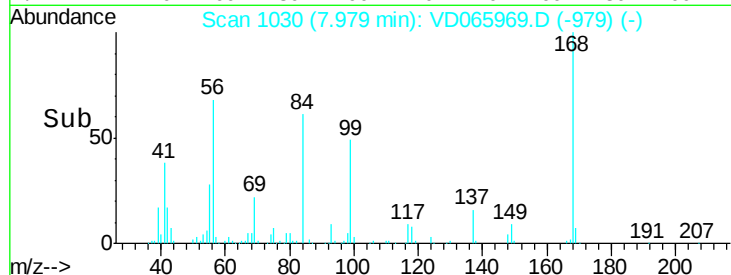
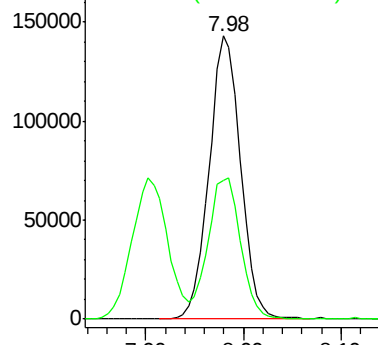
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 40.555 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065969.D

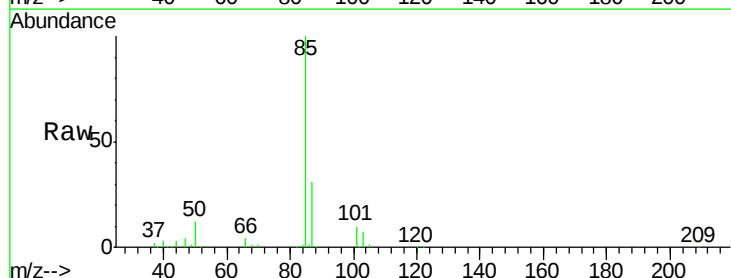
Acq: 16 Jul 2020 20:46

Tgt Ion: 85 Resp: 115424

Ion Ratio Lower Upper

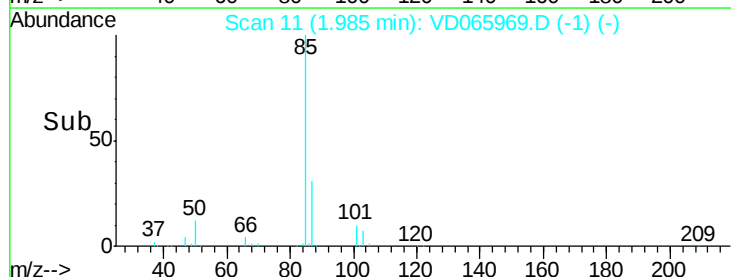
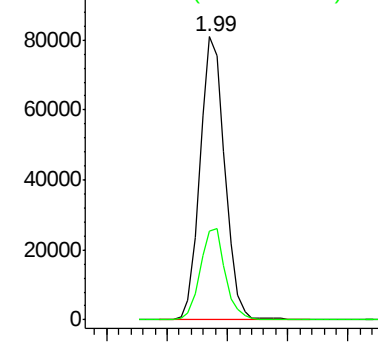
85 100

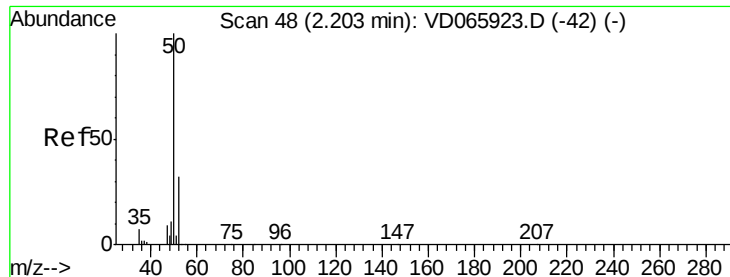
87 31.3 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.008 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 112880

Ion Ratio Lower Upper

50 100

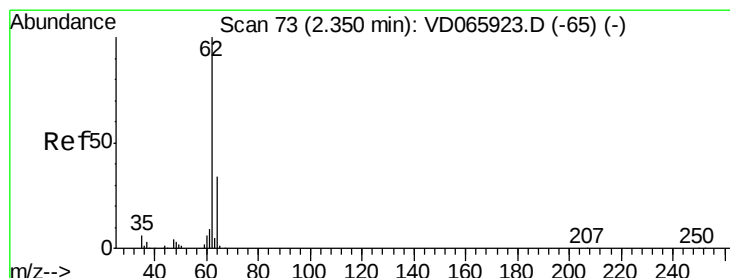
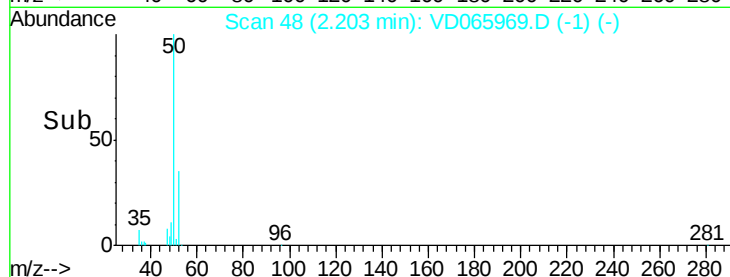
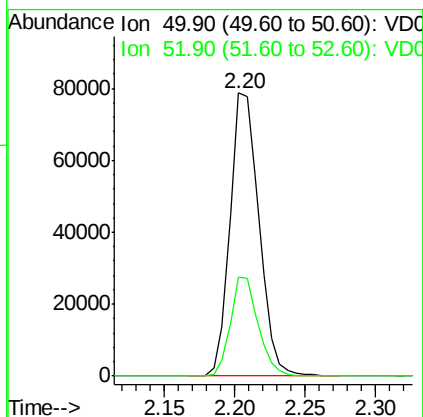
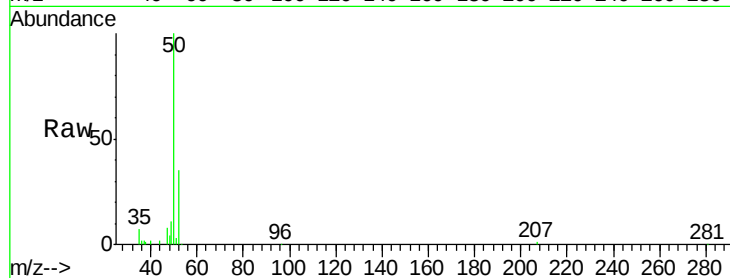
52 35.0 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 39.764 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065969.D

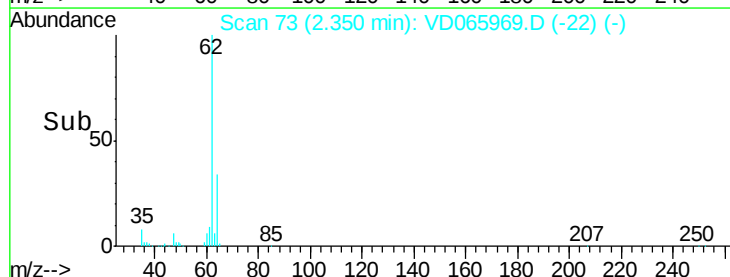
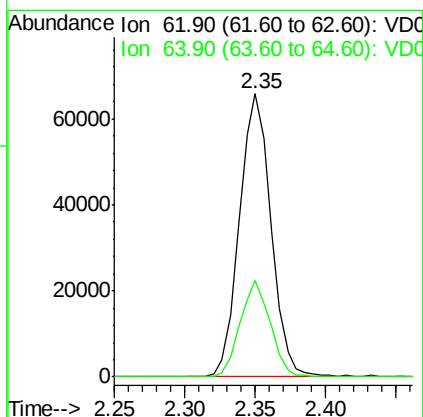
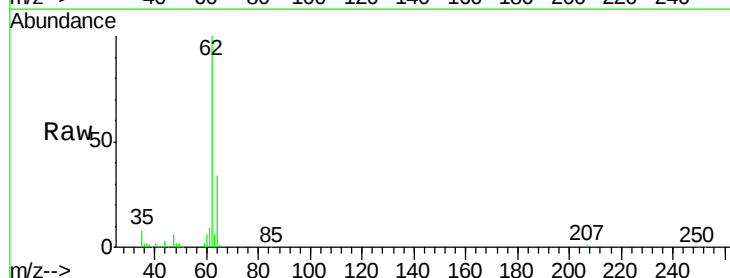
Acq: 16 Jul 2020 20:46

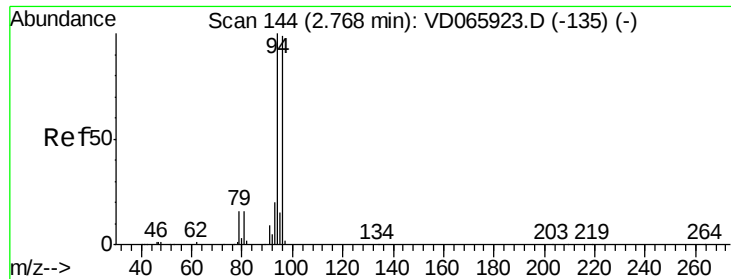
Tgt Ion: 62 Resp: 103014

Ion Ratio Lower Upper

62 100

64 33.9 27.2 40.8





#5

Bromomethane

Concen: 45.911 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

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Tot Ion: 94 Resp: 75339

Ion Ratio Lower Upper

94 100

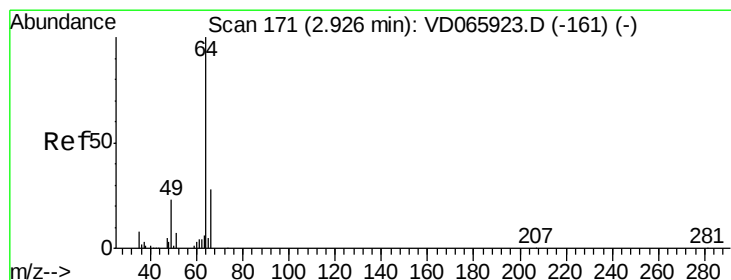
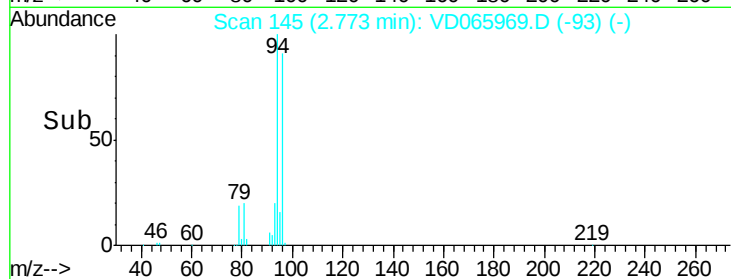
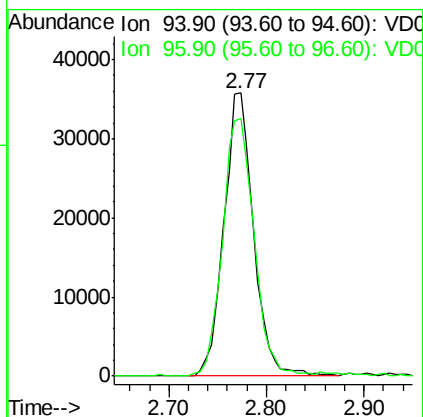
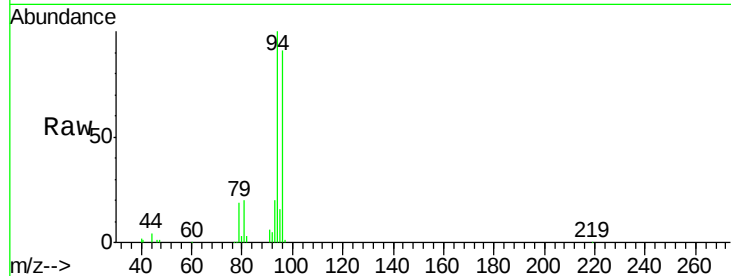
96 91.2 78.8 118.2

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#6

Chloroethane

Concen: 43.611 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065969.D

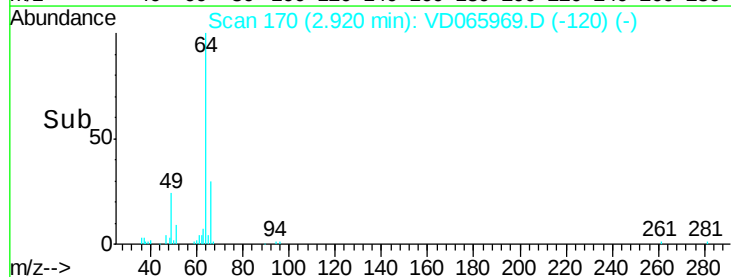
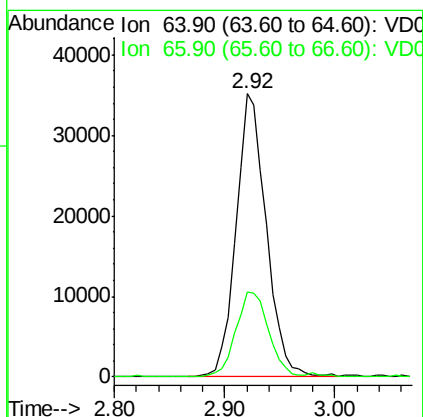
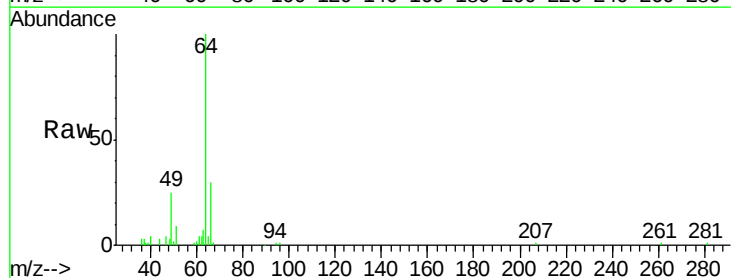
Acq: 16 Jul 2020 20:46

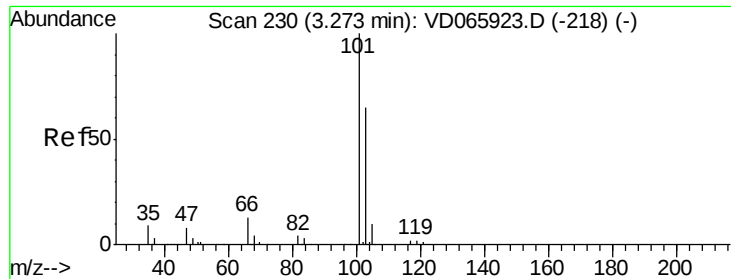
Tgt Ion: 64 Resp: 67535

Ion Ratio Lower Upper

64 100

66 30.2 22.6 33.8





#7

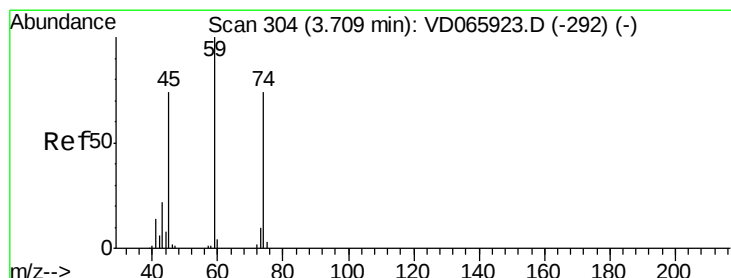
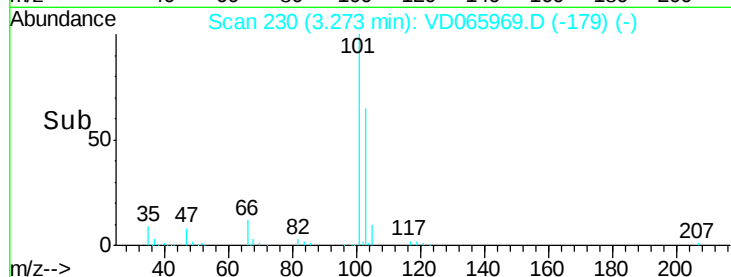
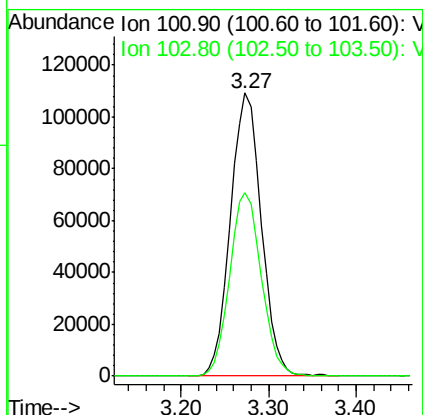
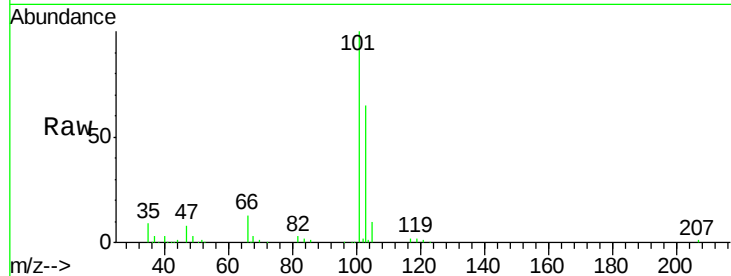
Trichlorofluoromethane
 Concen: 47.106 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.7	77.5

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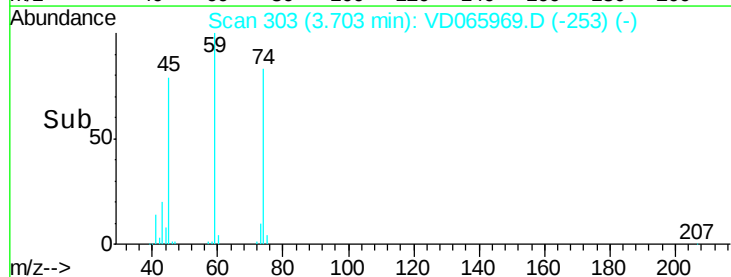
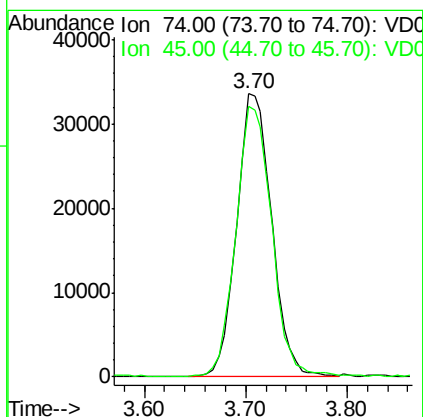
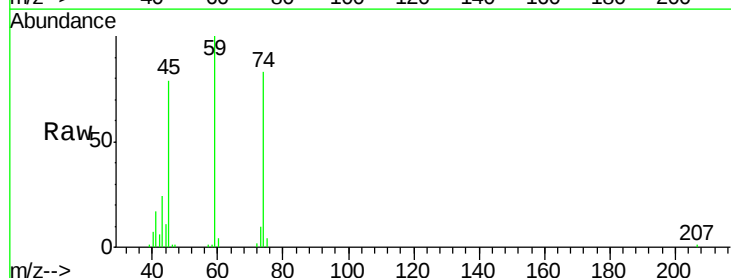
MMDadoda
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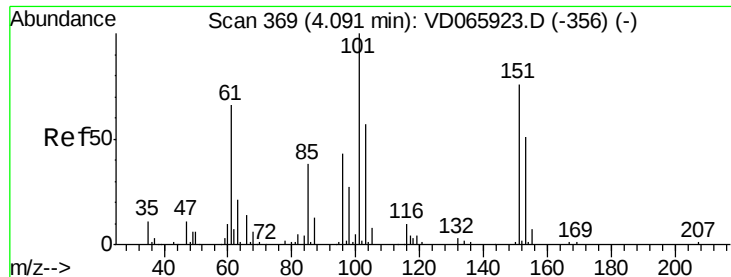


#8

Diethyl Ether
 Concen: 52.943 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	51.1	153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.627 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

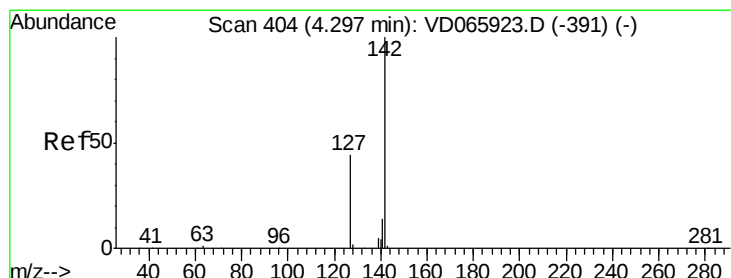
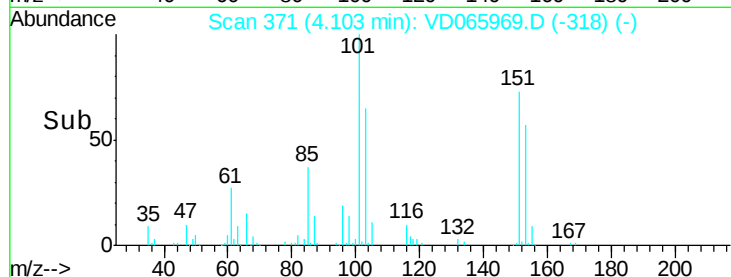
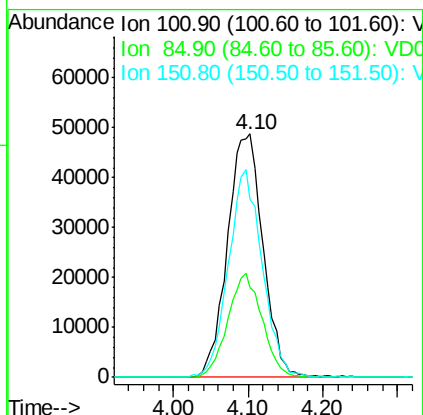
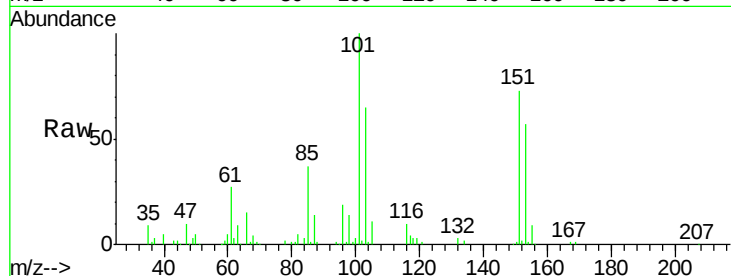
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	161497
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.8	50.8
151	81.2	64.1	96.1

Manual Integrations
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#10

Methyl Iodide

Concen: 47.738 ug/l

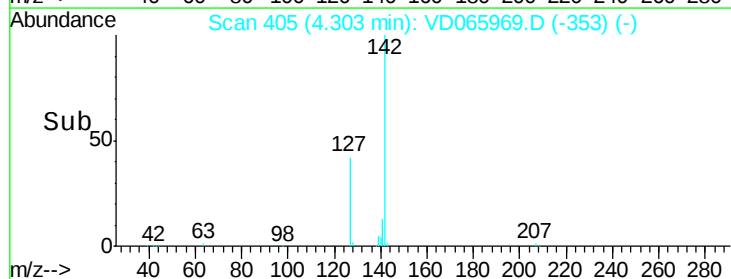
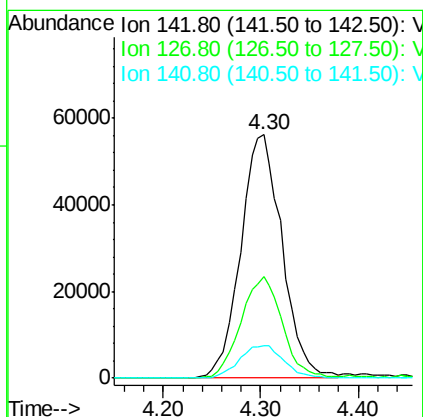
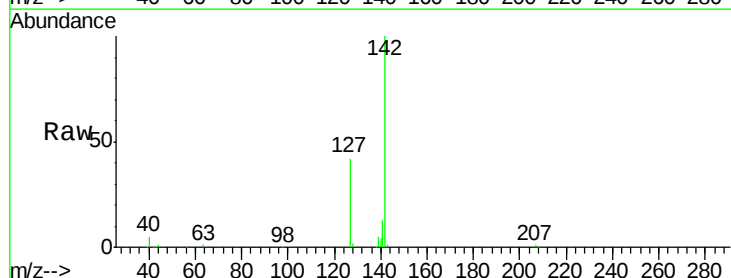
RT: 4.30 min Scan# 405

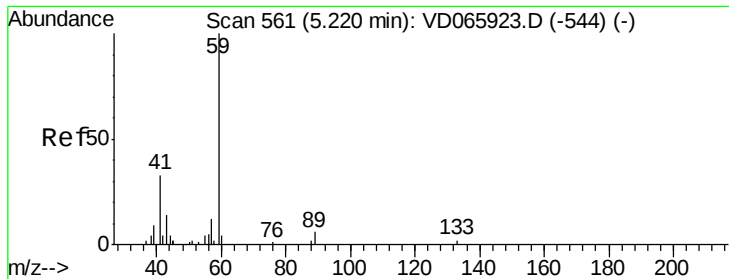
Delta R.T. 0.01 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Tgt Ion:	142	Resp:	166575
Ion Ratio	Lower	Upper	
142	100		
127	41.7	34.6	51.8
141	14.4	11.6	17.4





#11

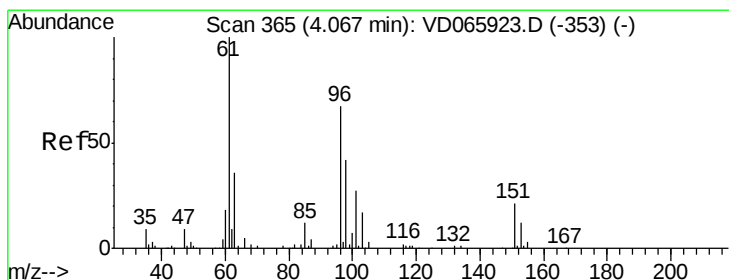
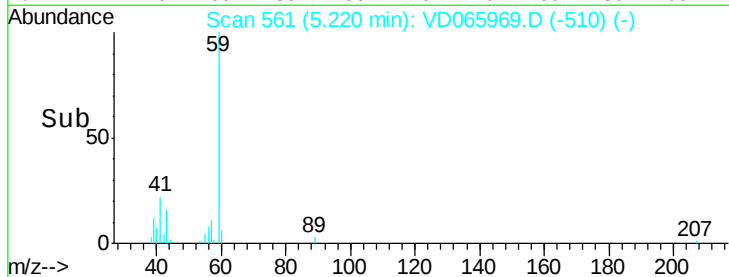
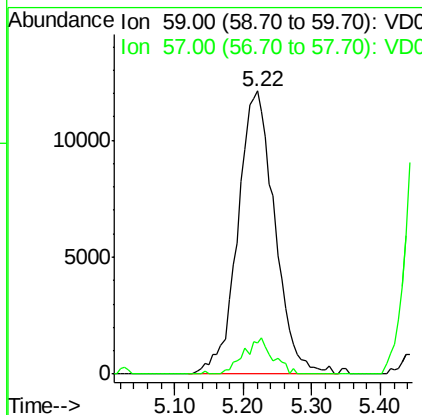
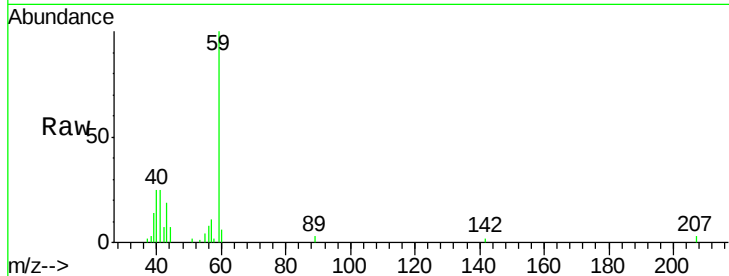
Tert butyl alcohol
 Concen: 254.028 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.7	13.1

Manual Integrations
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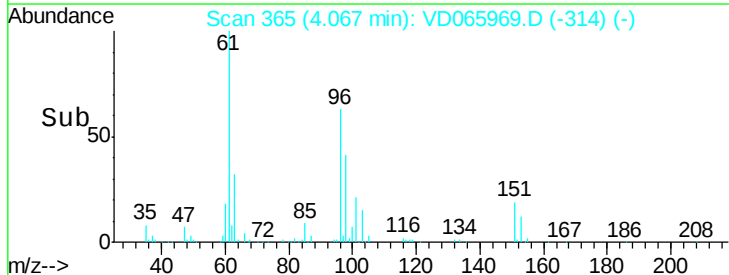
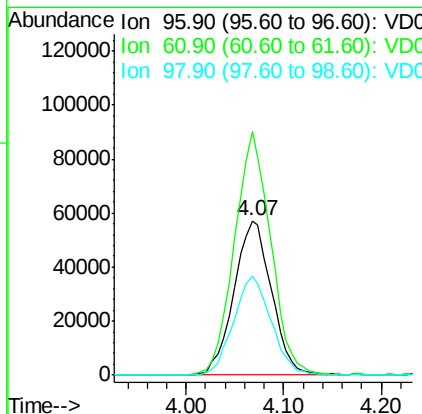
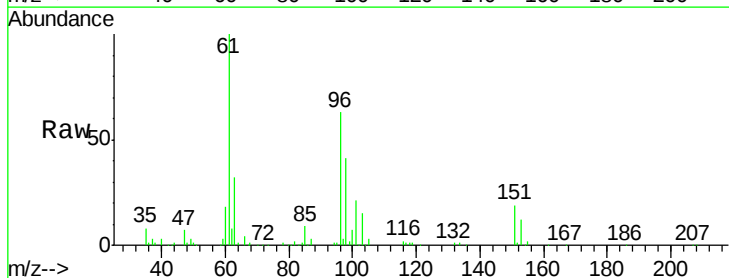
MMDadoda
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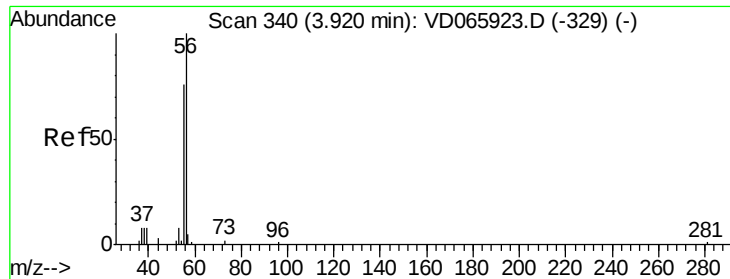


#12

1,1-Dichloroethene
 Concen: 49.278 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.6	120.2	180.2
98	63.9	50.6	76.0





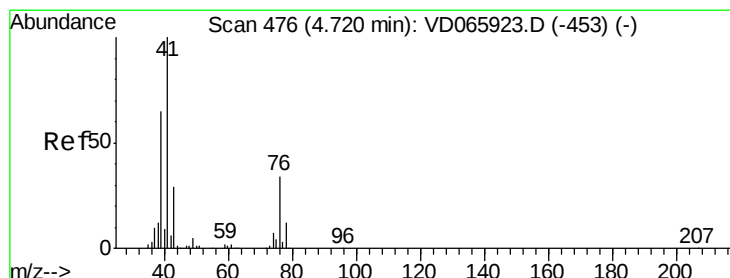
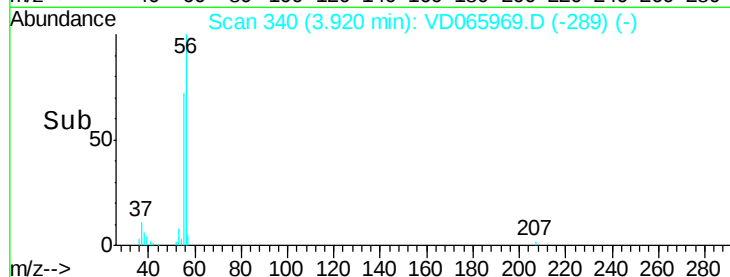
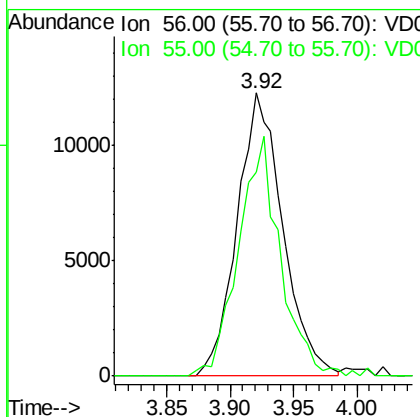
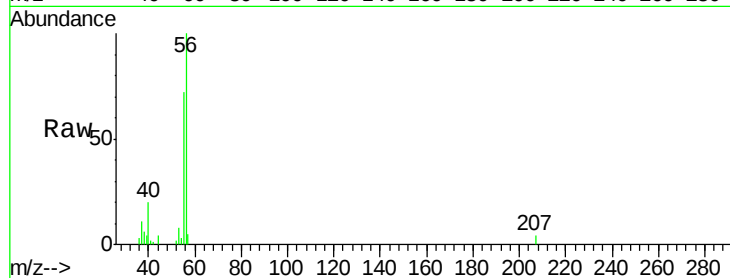
#13
Acrolein
Concen: 211.800 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	30744
Ion Ratio	100	Lower	Upper
55	77.1	55.0	82.6

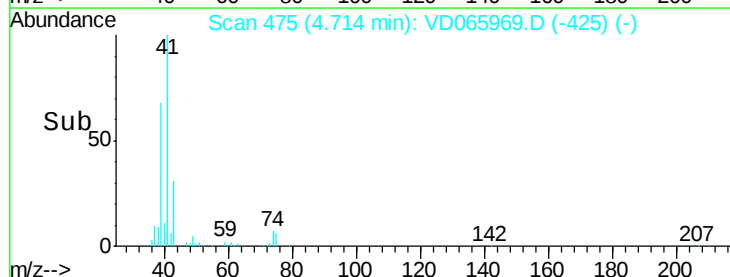
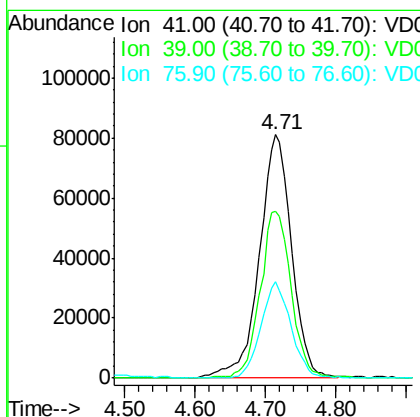
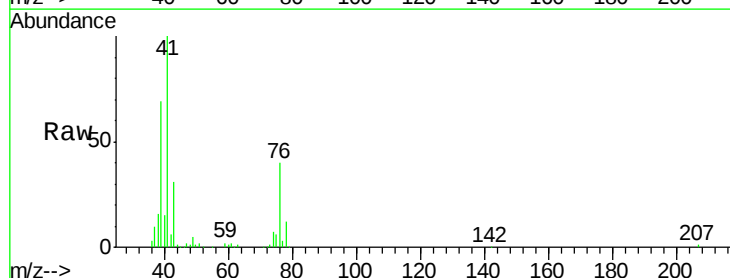
Manual Integrations
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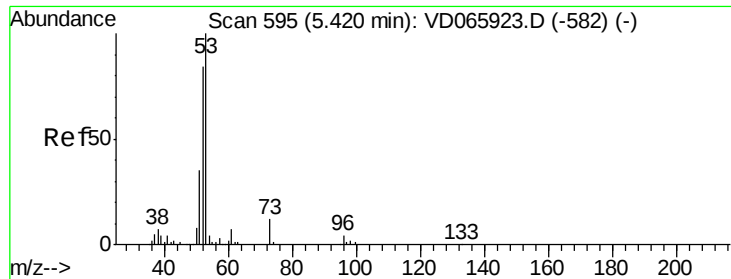
MMDadoda
7/17/2020 4:43:43 PM



#14
Allyl chloride
Concen: 49.062 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	41	Resp	257968
Ion Ratio	100	Lower	Upper
39	66.7	52.2	78.4
76	37.1	28.1	42.1





#15

Acrylonitrile

Concen: 269.972 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

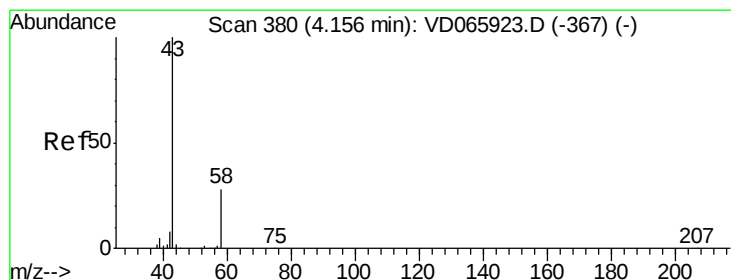
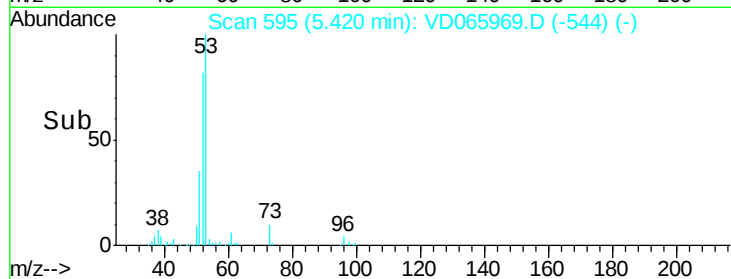
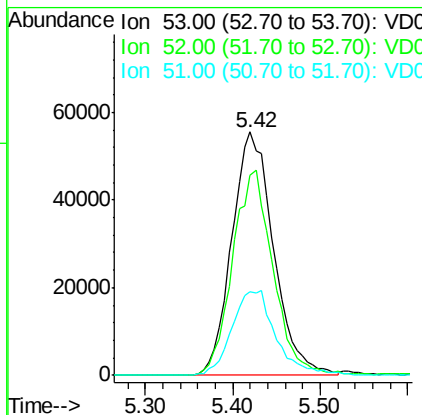
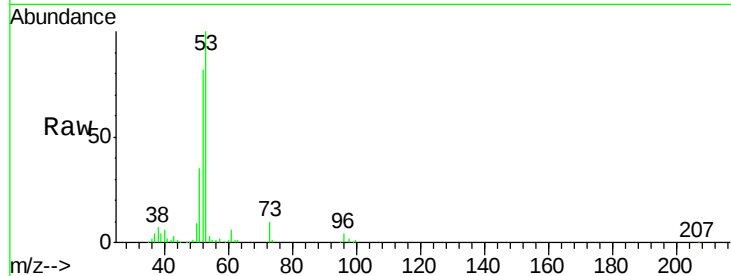
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	180050
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.3	99.5
51	36.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 222.496 ug/l

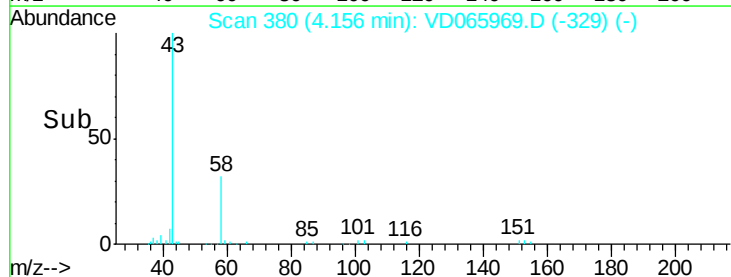
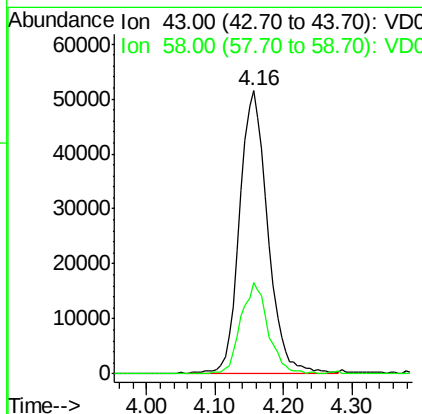
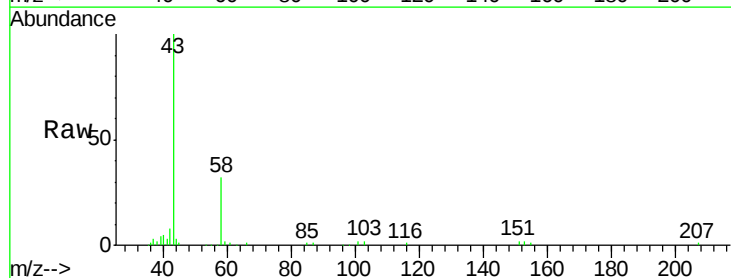
RT: 4.16 min Scan# 380

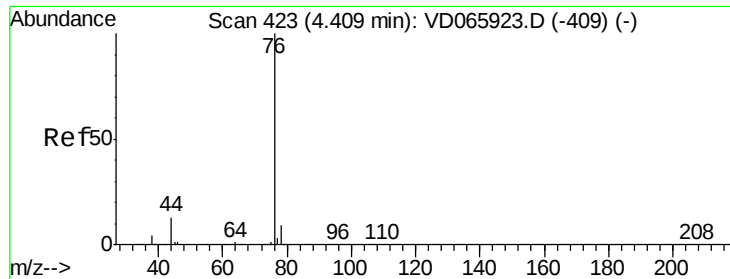
Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Tgt Ion:	43	Resp:	147945
Ion Ratio	Lower	Upper	
43	100		
58	32.3	22.7	34.1





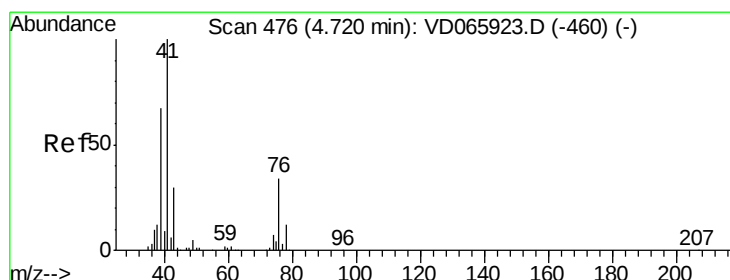
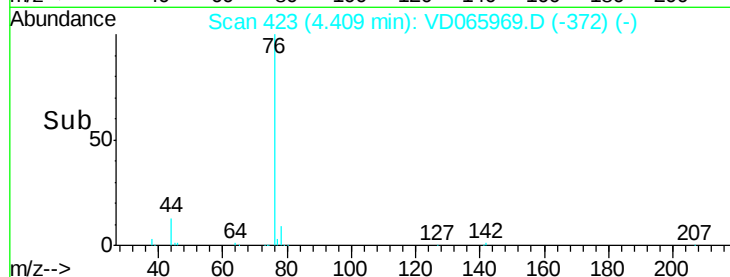
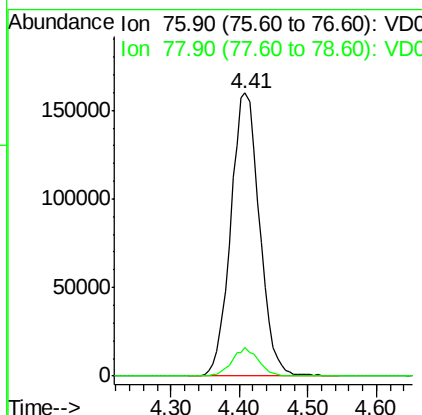
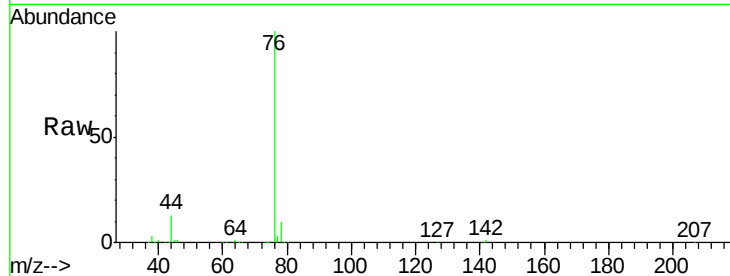
#17
Carbon Disulfide
Concen: 47.007 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 464713
Ion Ratio Lower Upper
76 100
78 10.1 7.5 11.3

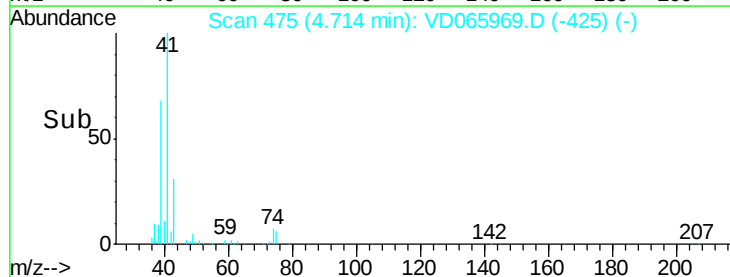
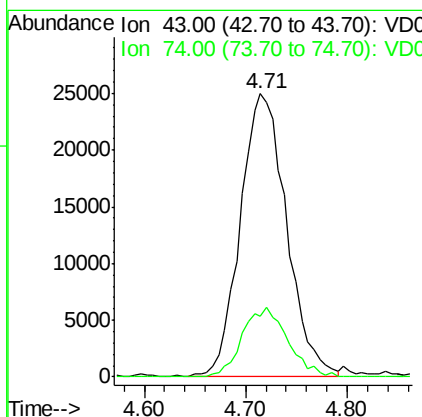
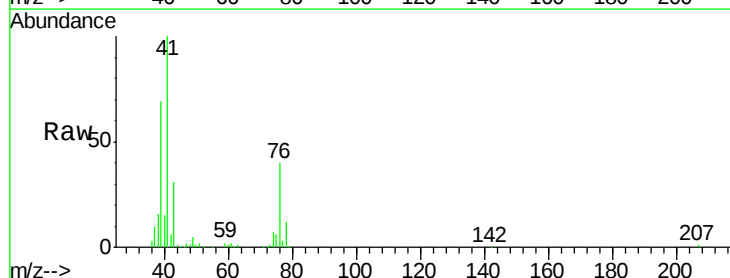
Manual Integrations
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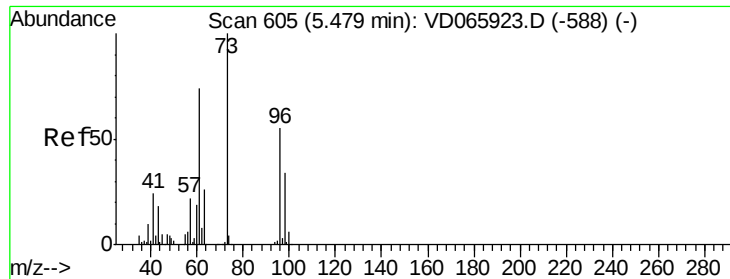
MMDadoda
7/17/2020 4:43:43 PM



#18
Methyl Acetate
Concen: 50.884 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion: 43 Resp: 79311
Ion Ratio Lower Upper
43 100
74 24.0 17.8 26.8





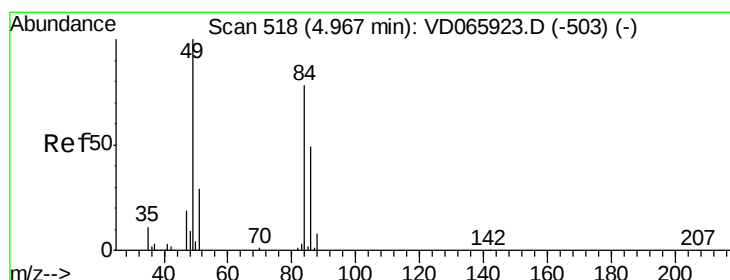
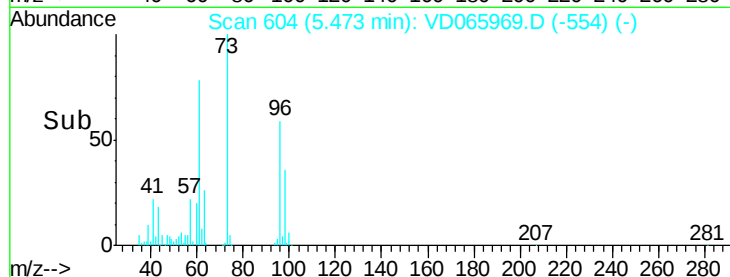
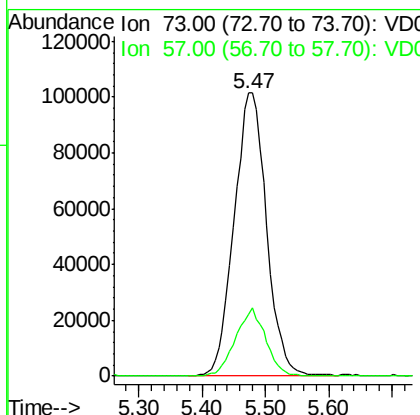
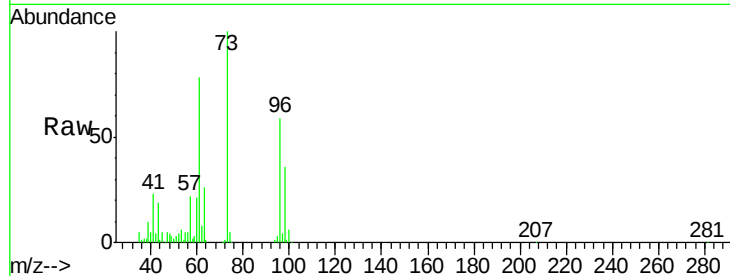
#19
Methyl tert-butyl Ether
Concen: 54.708 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 359363
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5

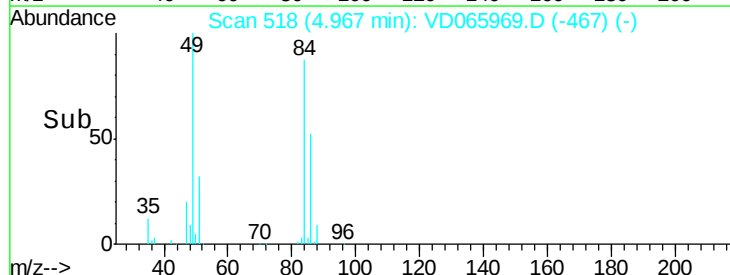
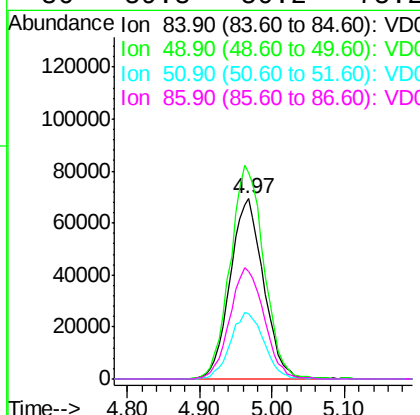
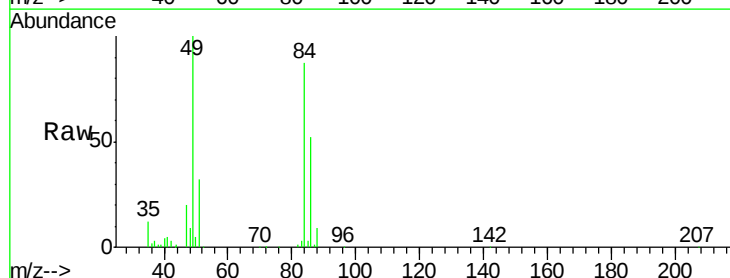
Manual Integrations
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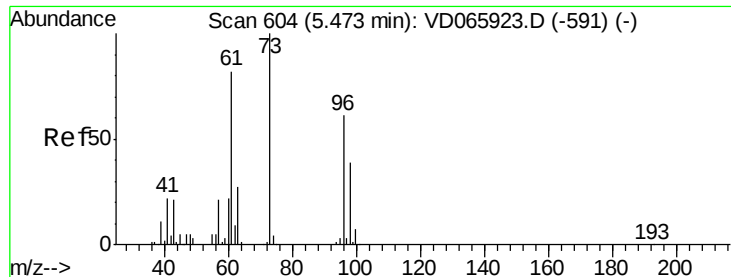
MMDadoda
7/17/2020 4:43:43 PM



#20
Methylene Chloride
Concen: 62.914 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion: 84 Resp: 222115
Ion Ratio Lower Upper
84 100
49 114.8 102.2 153.2
51 36.2 29.8 44.6
86 59.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 51.898 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

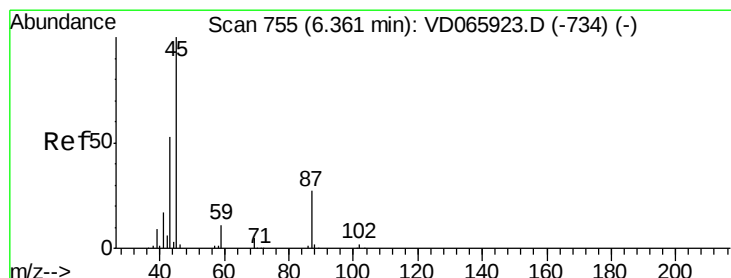
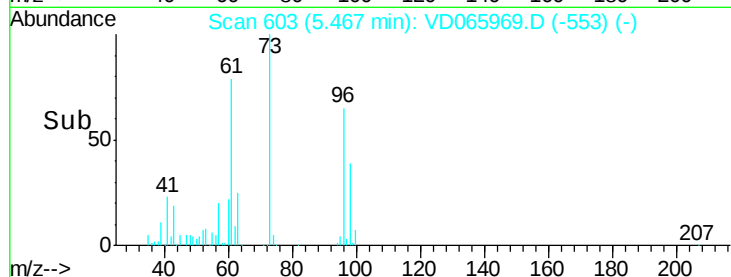
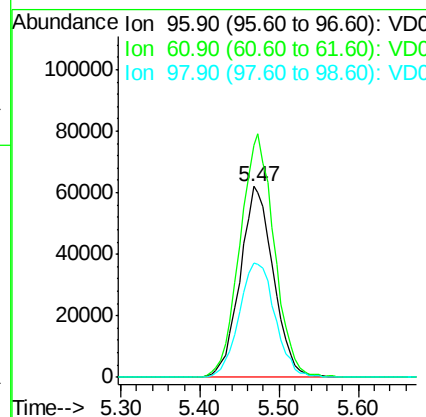
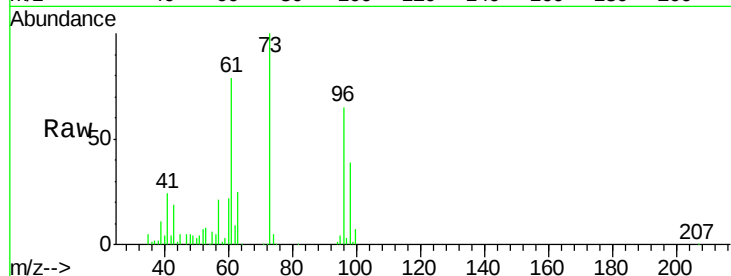
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	181167
Ion	Ratio	Lower	Upper
96	100		
61	121.6	106.6	160.0
98	59.9	51.0	76.6

Manual Integrations
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7/17/2020 4:43:43 PM



#22

Diisopropyl ether

Concen: 53.632 ug/l

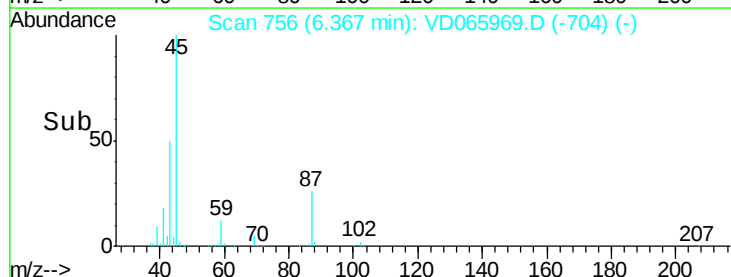
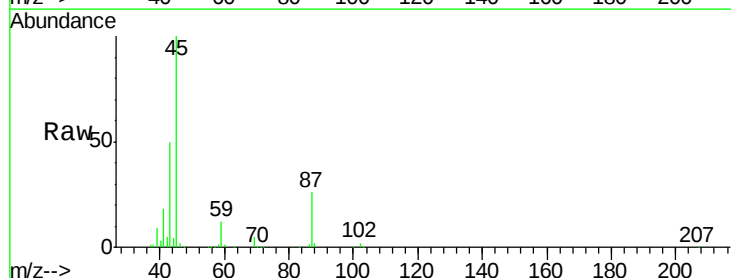
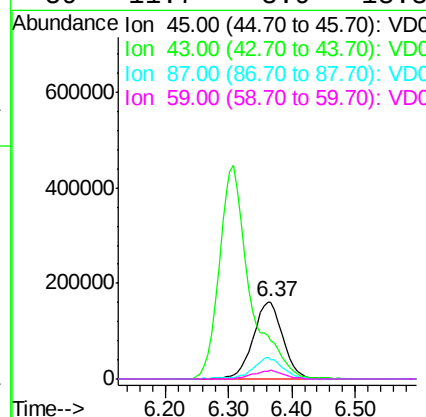
RT: 6.37 min Scan# 756

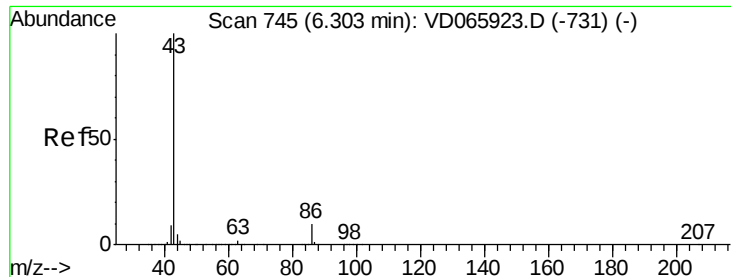
Delta R.T. 0.01 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Tgt Ion:	45	Resp:	529943
Ion	Ratio	Lower	Upper
45	100		
43	49.7	42.5	63.7
87	25.7	22.2	33.2
59	11.7	8.9	13.3





#23

Vinyl Acetate

Concen: 268.173 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Tot Ion: 43 Resp: 1512524

Ion Ratio Lower Upper

43 100

86 10.3 8.1 12.1

Instrument :

MSVOA_D

ClientSampleId :

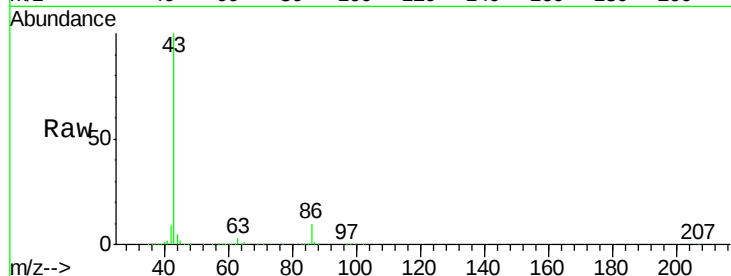
VSTDCCC050EC

Manual Integrations

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MMDadoda

7/17/2020 4:43:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

500000

400000

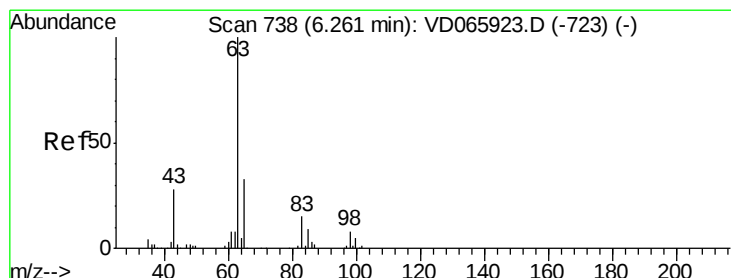
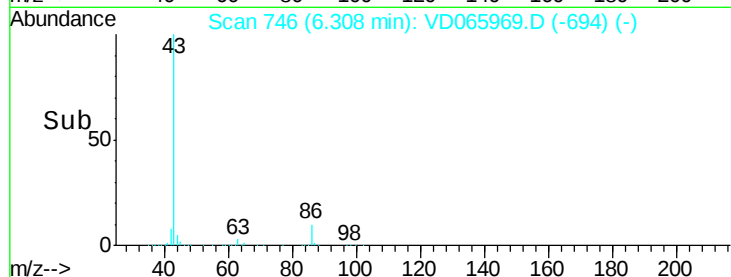
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 52.527 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

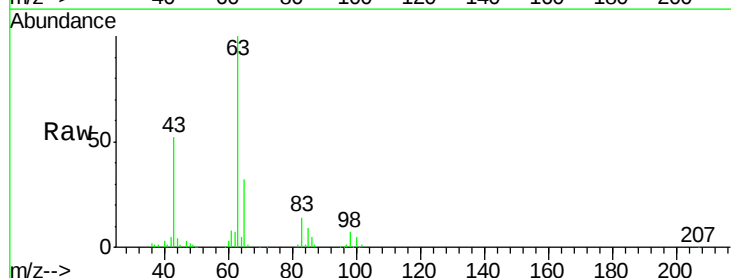
Tgt Ion: 63 Resp: 309492

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.4

100 4.8 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

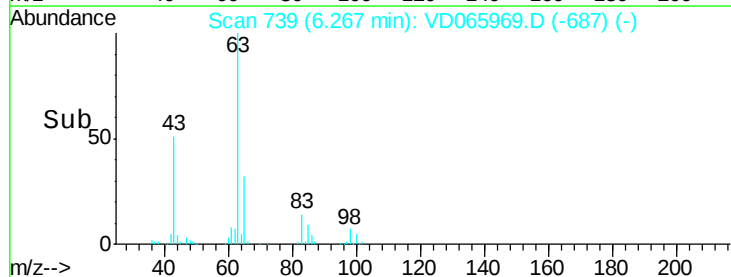
6.27

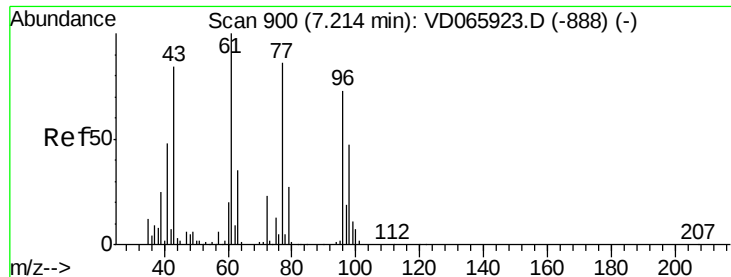
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





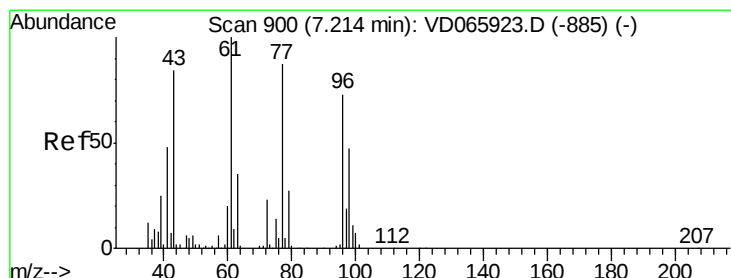
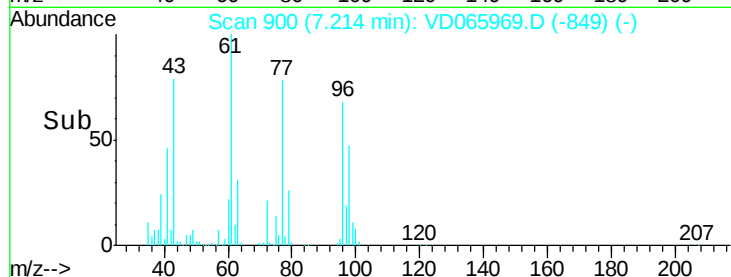
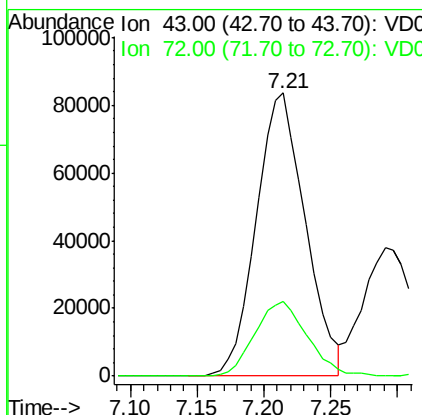
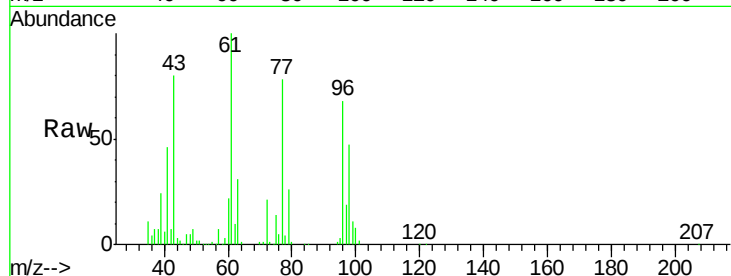
#25
 2-Butanone
 Concen: 243.132 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 213626
 Ion Ratio Lower Upper
 43 100
 72 26.3 22.1 33.1

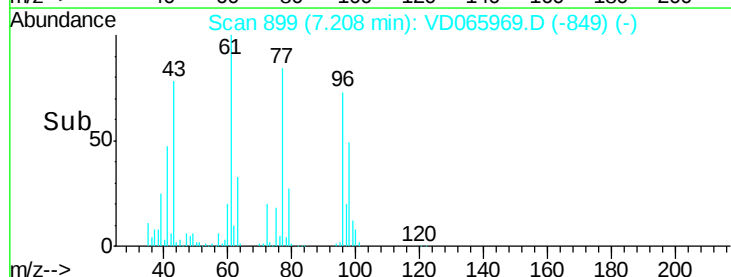
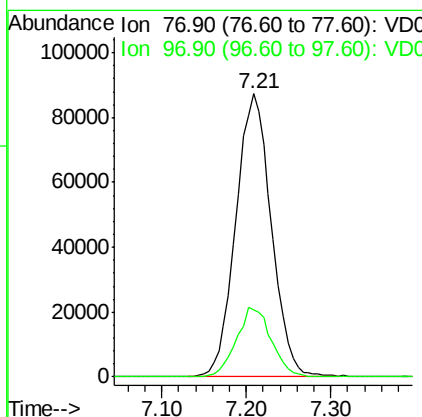
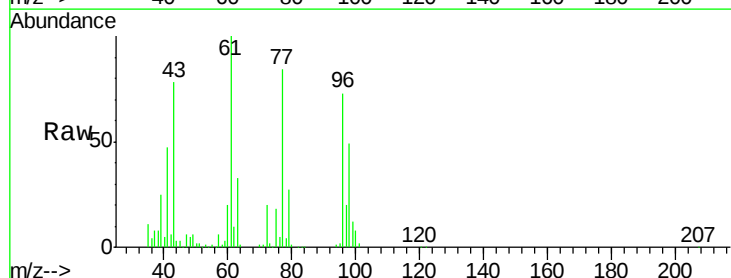
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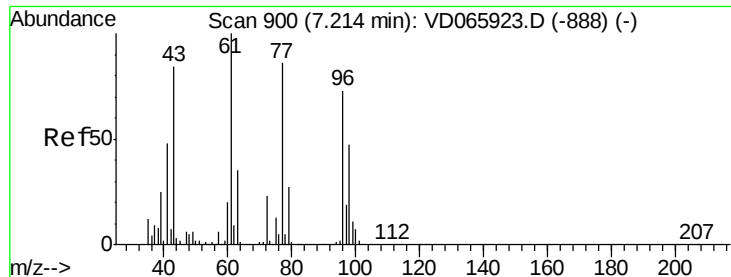
MMDadoda
 7/17/2020 4:43:43 PM



#26
 2,2-Dichloropropane
 Concen: 49.381 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Tgt Ion: 77 Resp: 254529
 Ion Ratio Lower Upper
 77 100
 97 24.0 11.6 34.8





#27

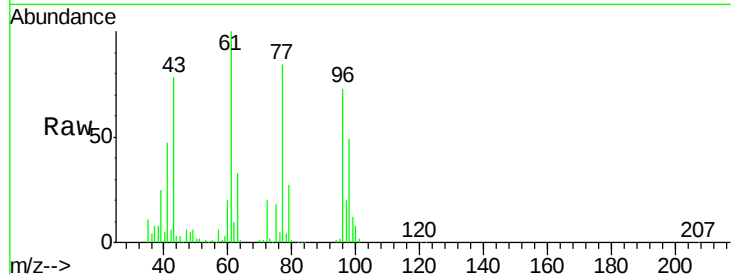
cis-1,2-Dichloroethene
 Concen: 53.920 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

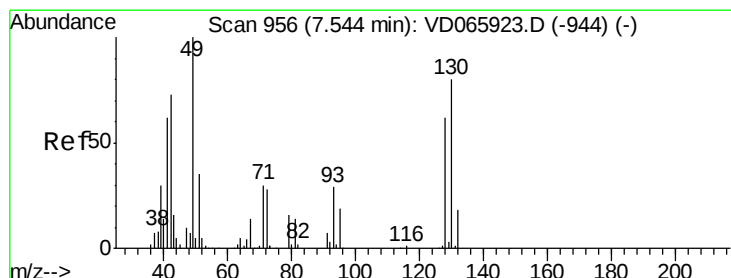
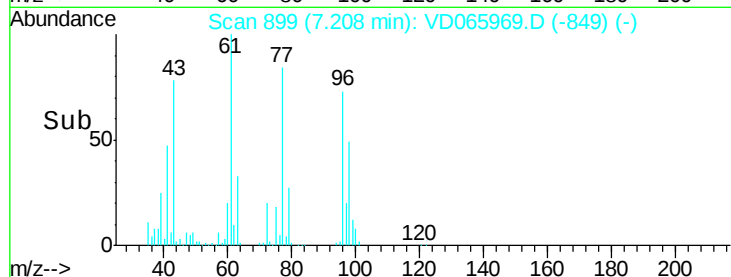
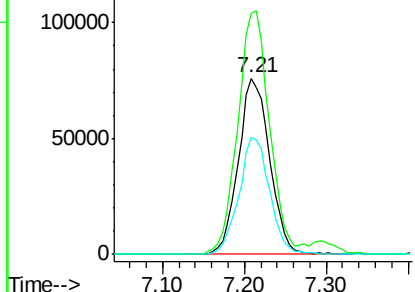
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	286.6
98	65.1	0.0	128.2

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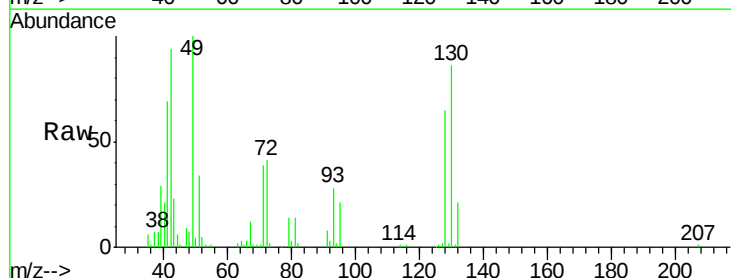
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



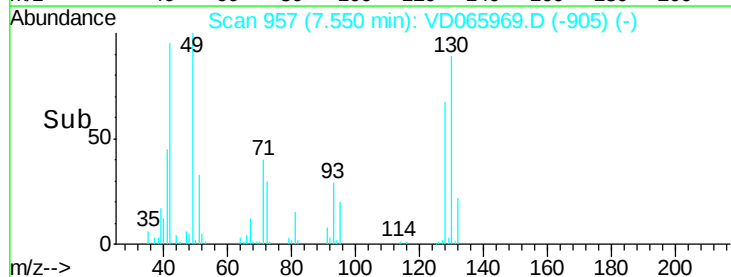
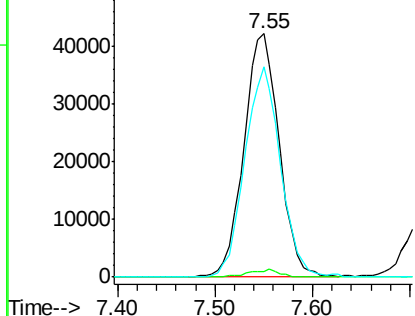
#28

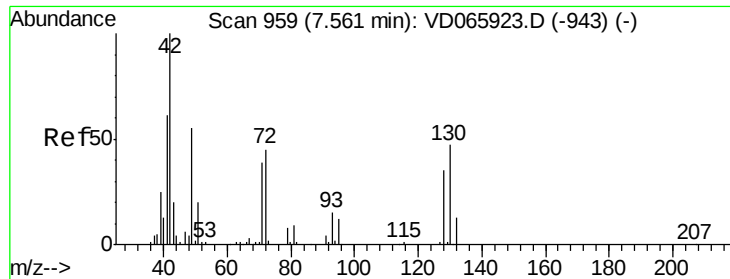
Bromochloromethane
 Concen: 47.812 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	87.1	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





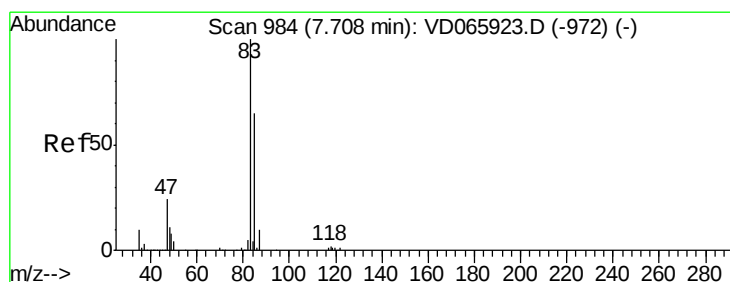
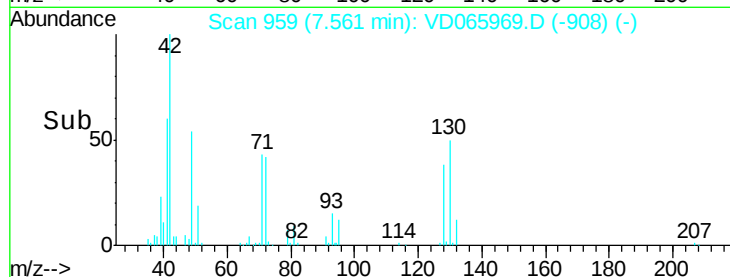
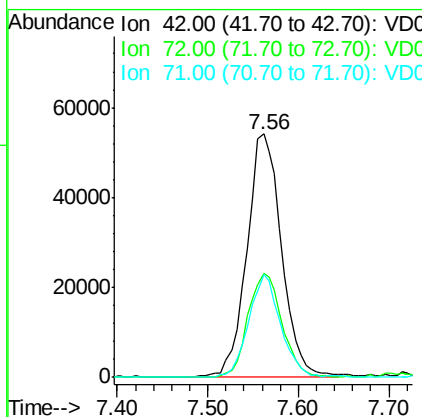
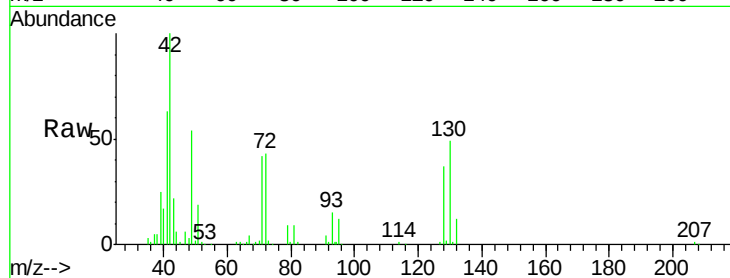
#29
Tetrahydrofuran
Concen: 257.326 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	32.8	49.2
71	38.9	31.0	46.4

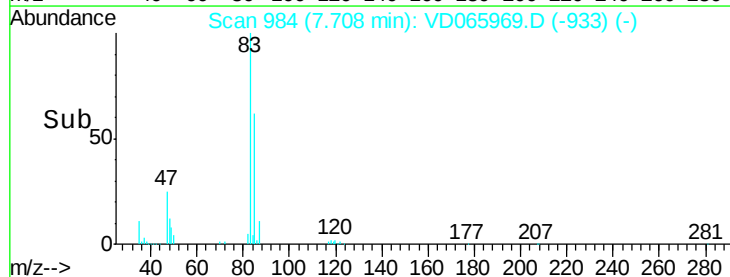
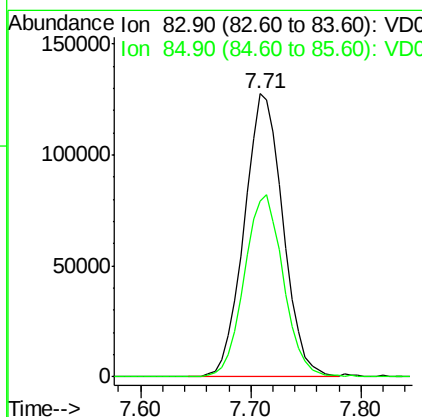
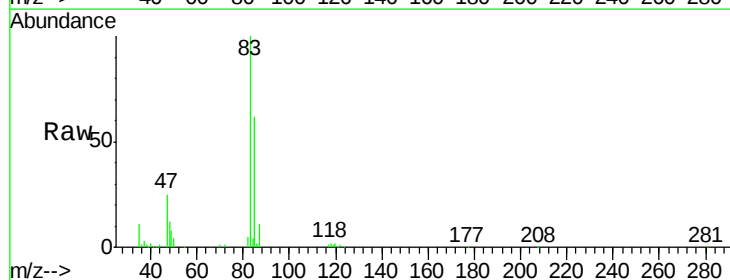
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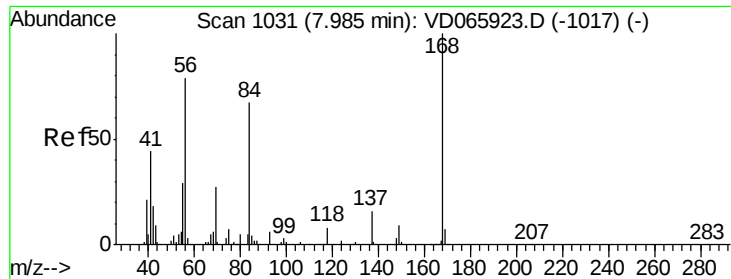
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#30
Chloroform
Concen: 52.786 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.6	77.4





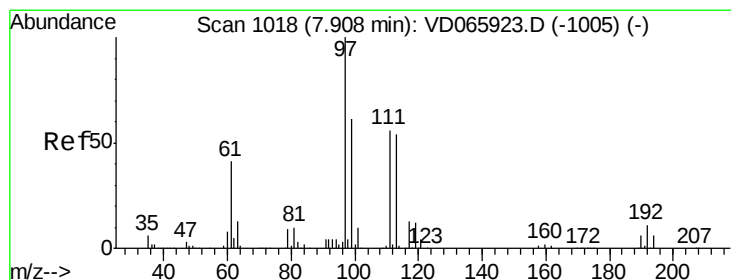
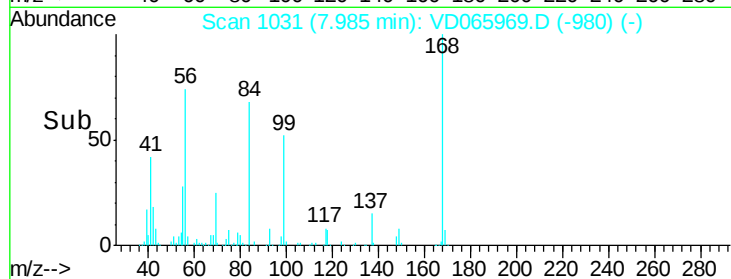
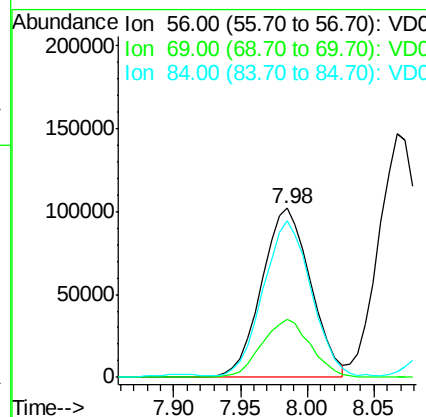
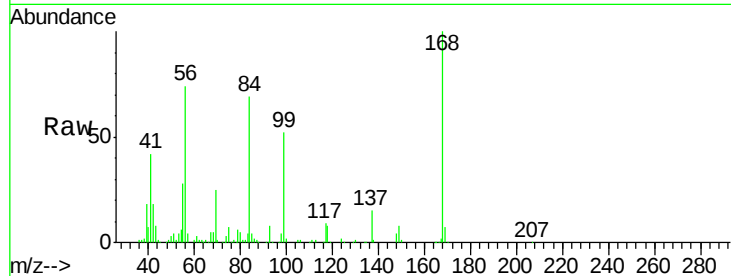
#31
Cyclohexane
Concen: 44.712 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.4	41.0
84	91.2	68.6	102.8

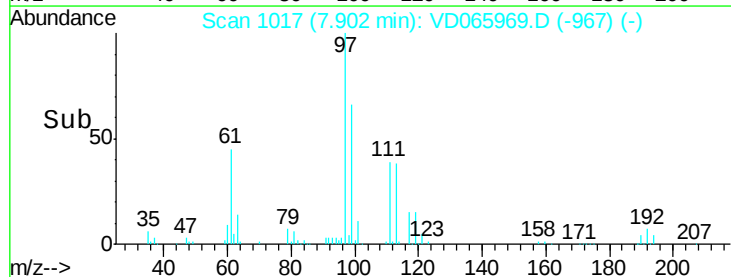
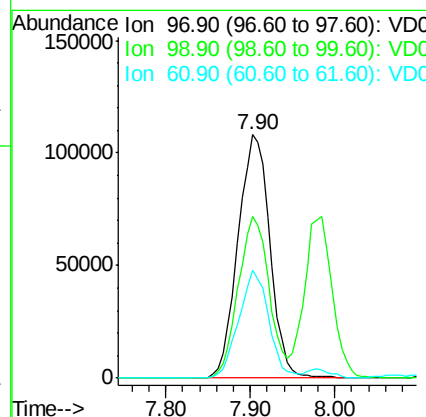
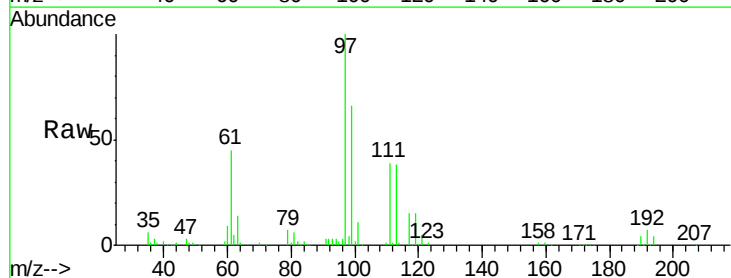
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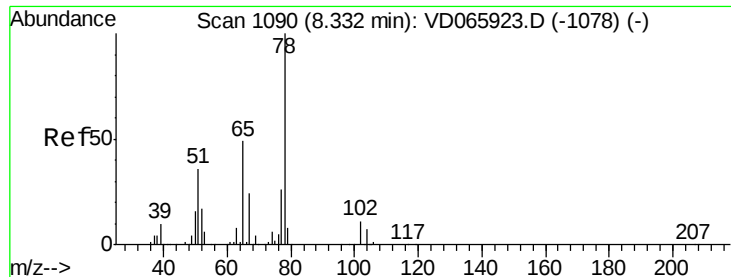
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.913 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	41.4	33.6	50.4





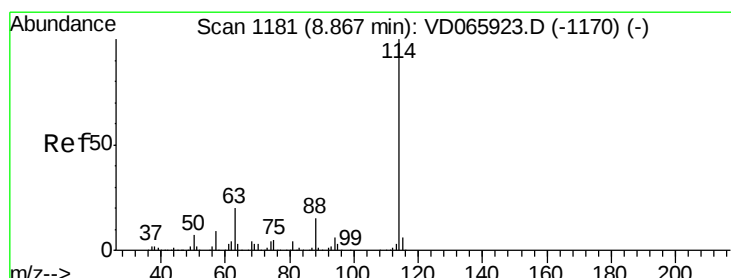
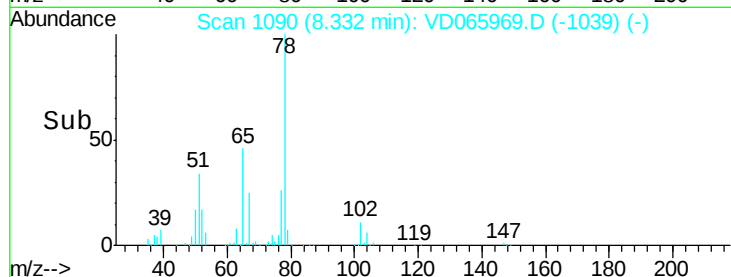
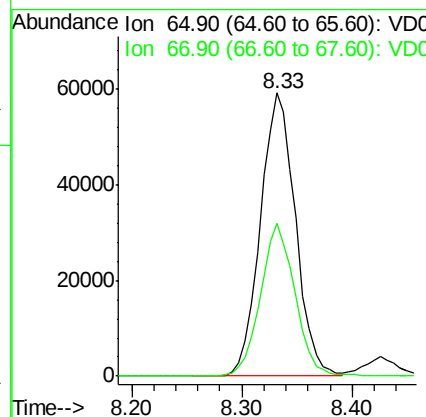
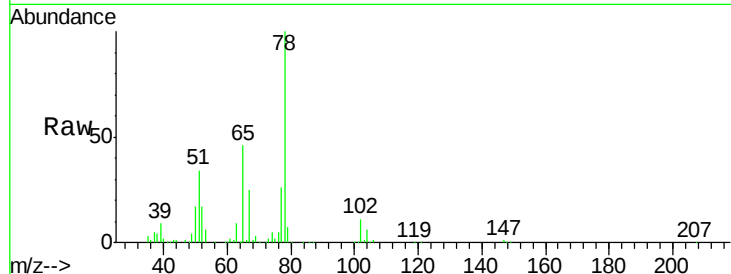
#33
 1,2-Dichloroethane-d4
 Concen: 46.359 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.6

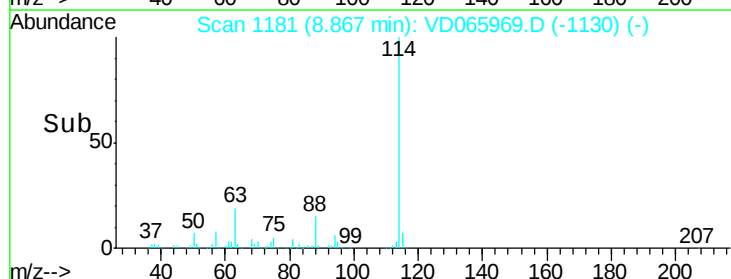
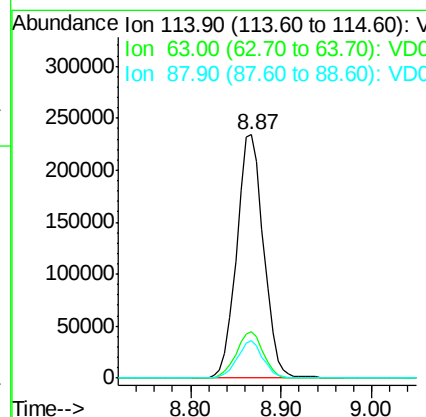
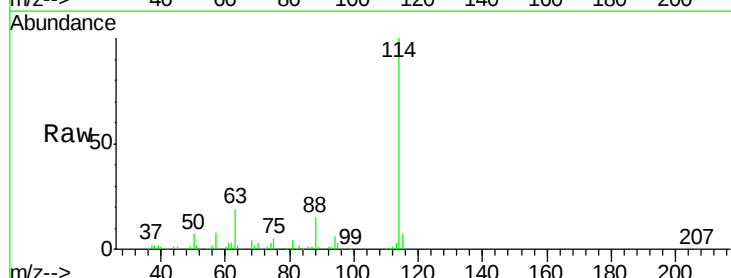
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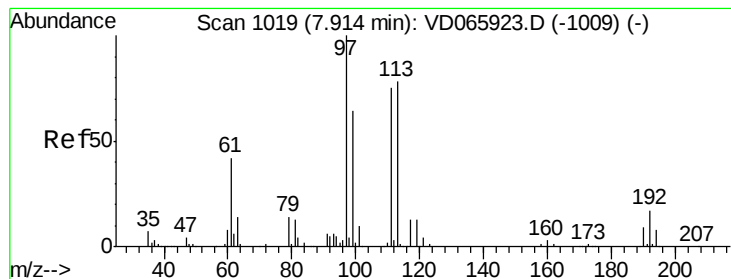
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	39.2
88	15.4	0.0	30.0





#35

Dibromofluoromethane

Concen: 48.974 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

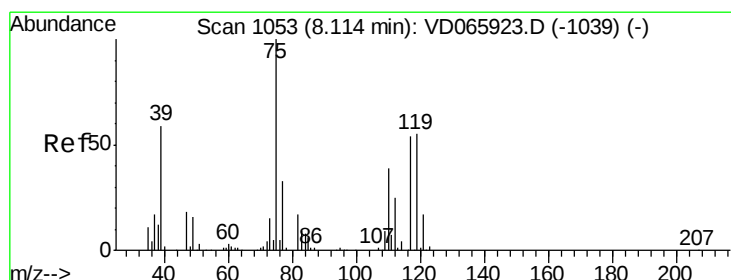
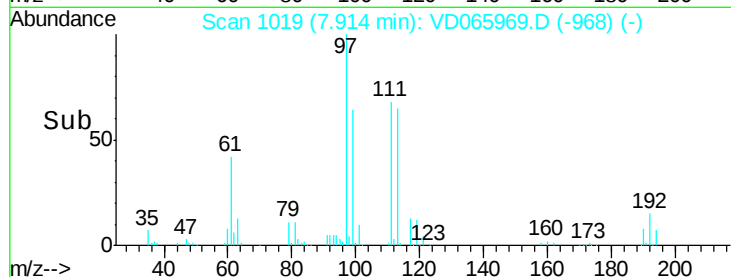
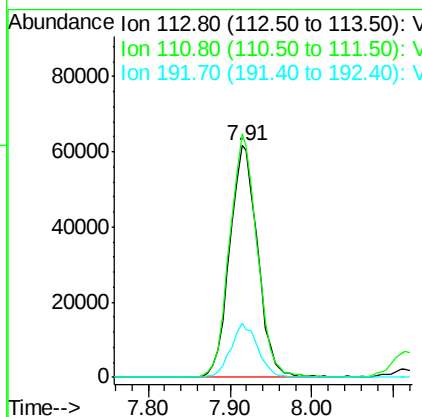
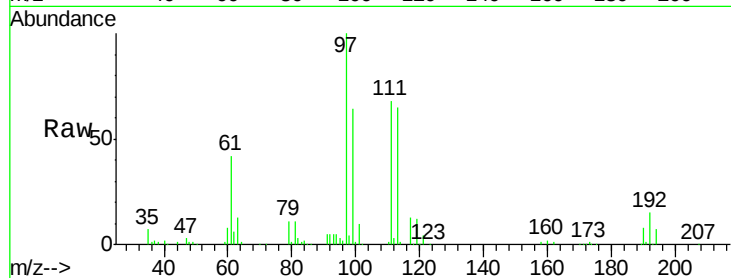
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	146640
Ion Ratio	Lower	Upper	
113	100		
111	103.4	80.9	121.3
192	22.6	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 50.292 ug/l

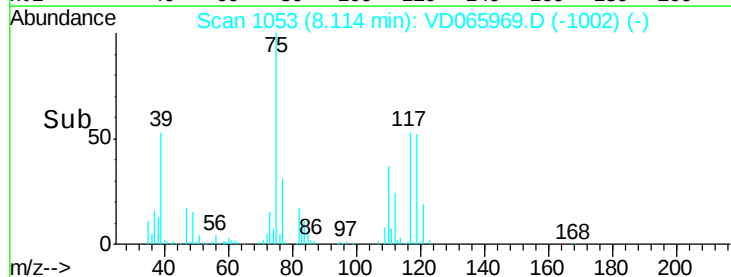
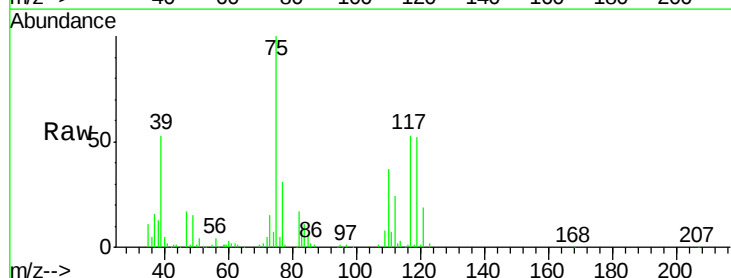
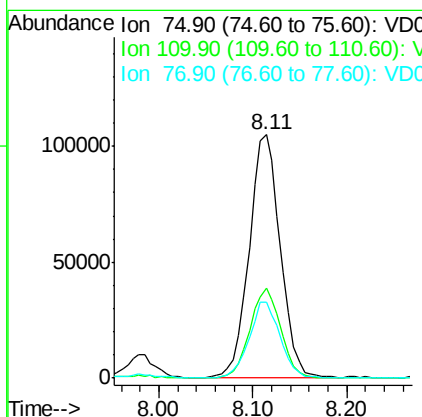
RT: 8.11 min Scan# 1053

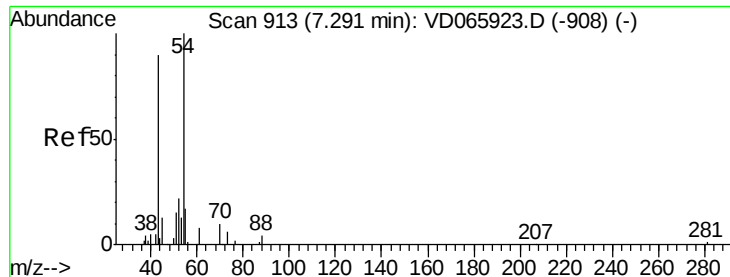
Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Tgt Ion:	75	Resp:	241087
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.5	55.5
77	31.2	25.6	38.4





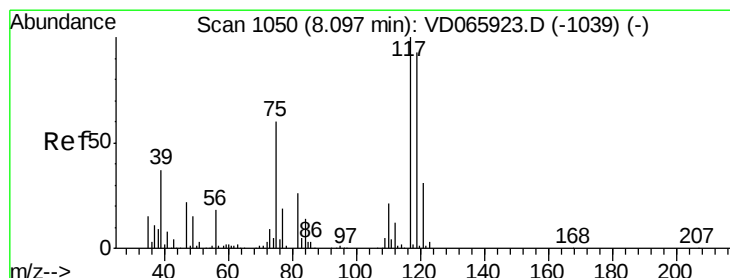
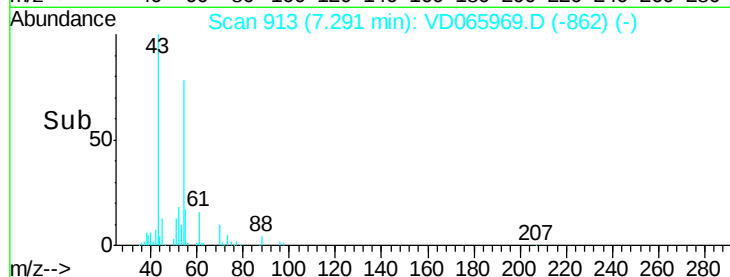
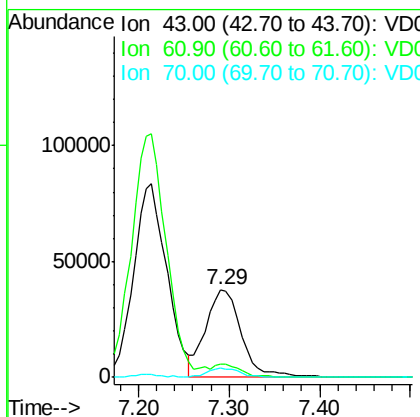
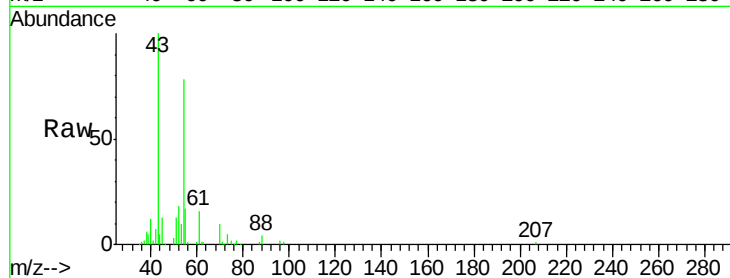
#37
Ethyl Acetate
Concen: 51.230 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.6	9.4	14.0
70	9.7	8.3	12.5

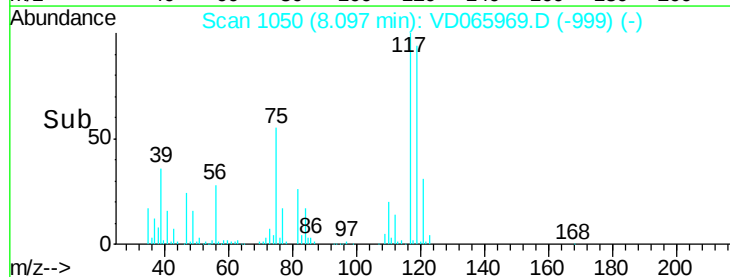
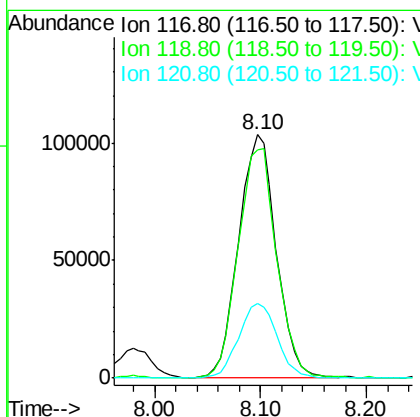
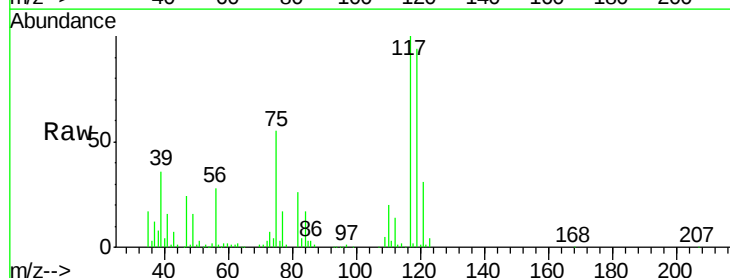
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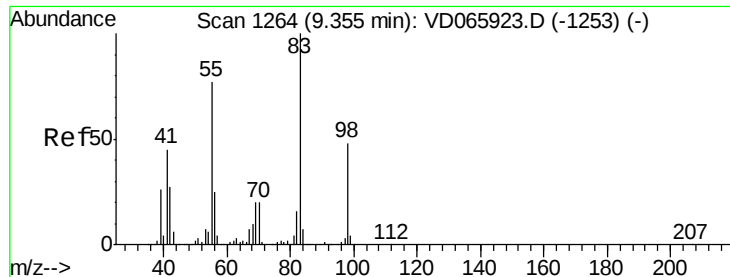
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#38
Carbon Tetrachloride
Concen: 49.601 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	74.7	112.1
121	30.7	24.9	37.3





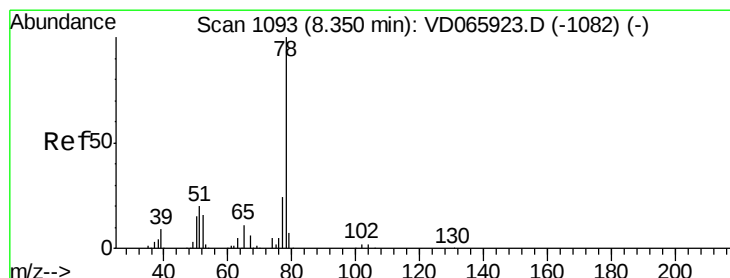
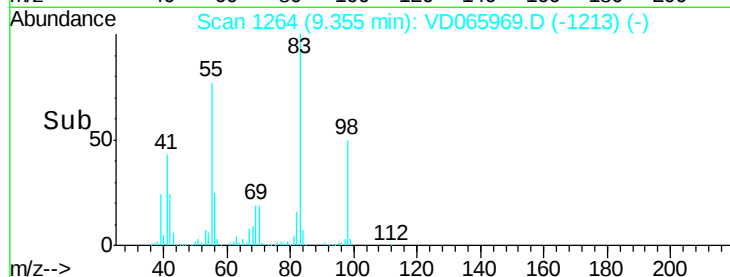
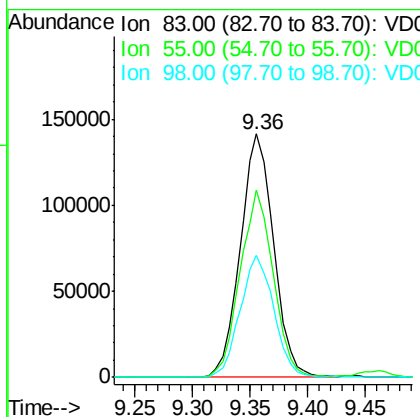
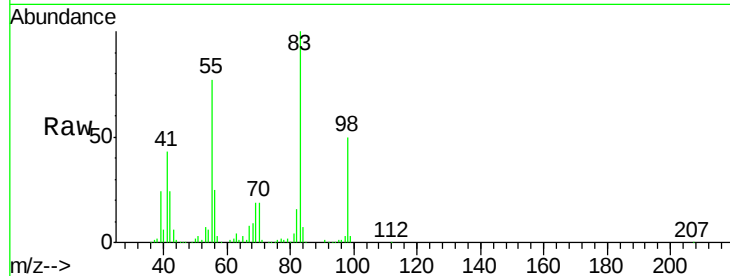
#39
Methvlcvclohexane
Concen: 48.378 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.7	92.5
98	50.0	38.6	58.0

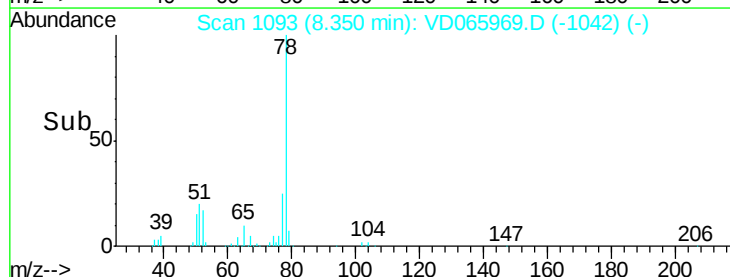
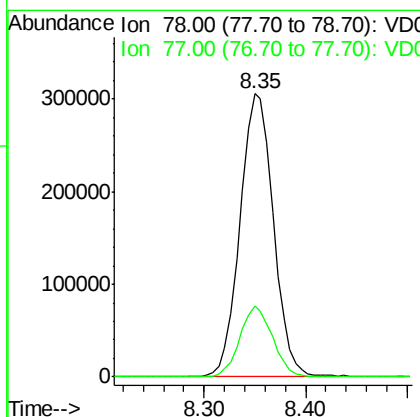
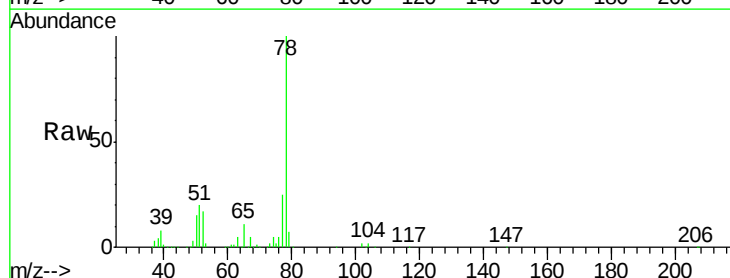
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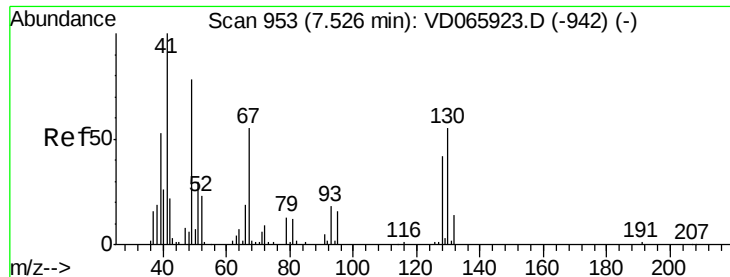
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#40
Benzene
Concen: 52.918 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.4	29.0





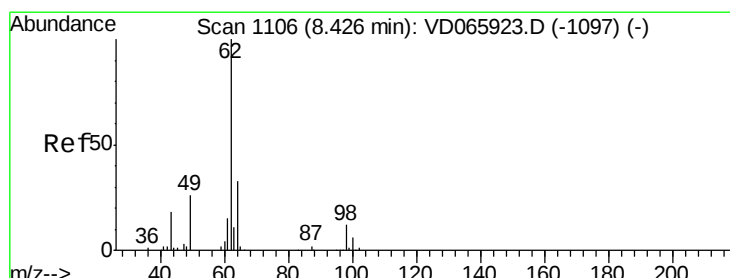
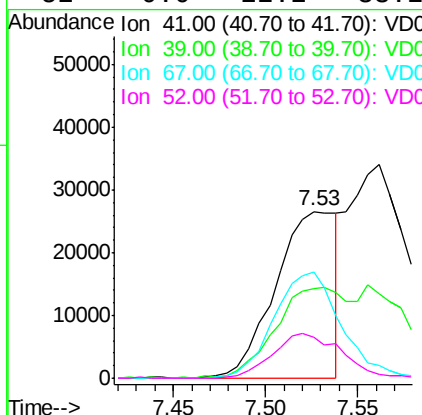
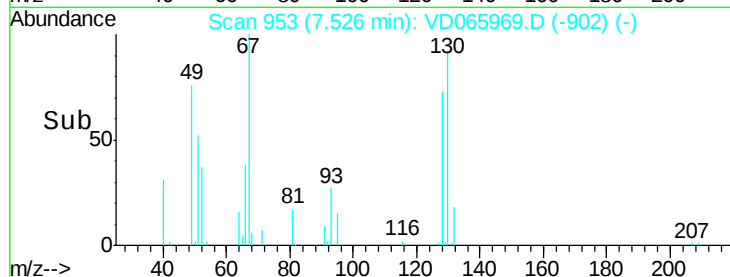
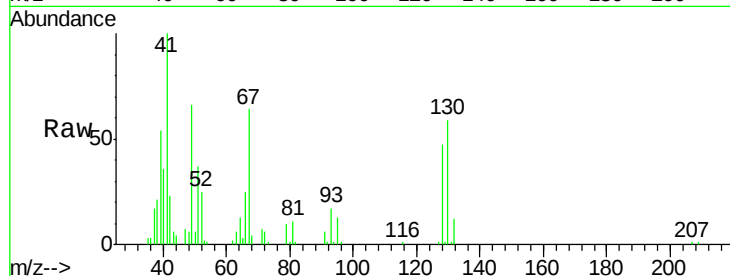
#41
Methacrylonitrile
Concen: 52.379 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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#

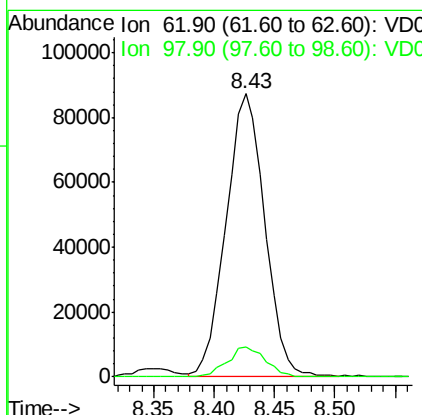
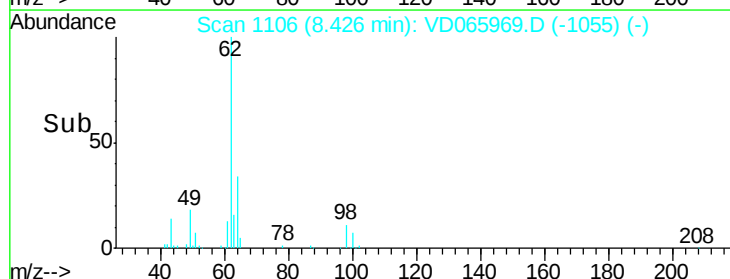
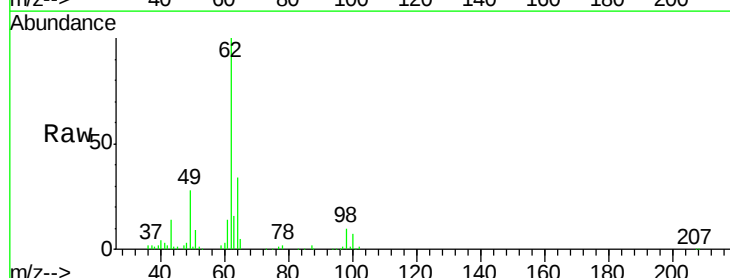
Manual Integrations
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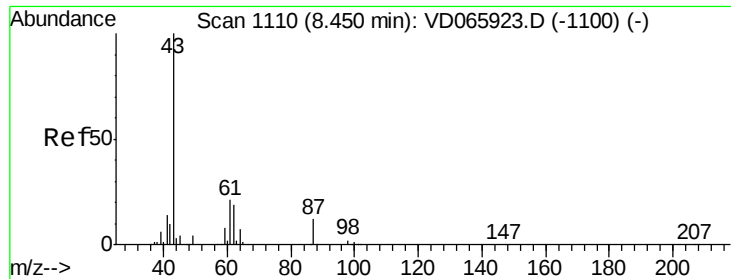
MMDadoda
7/17/2020 4:43:43 PM



#42
1,2-Dichloroethane
Concen: 51.872 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.0





#43

Isopropyl Acetate

Concen: 51.985 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

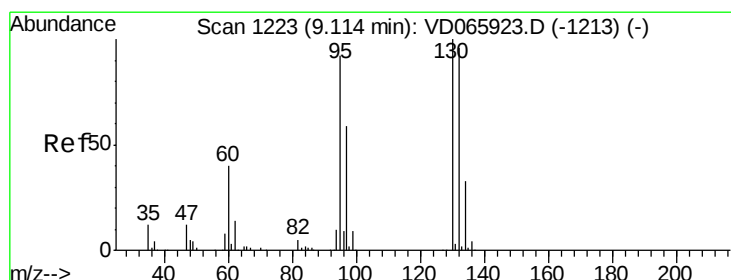
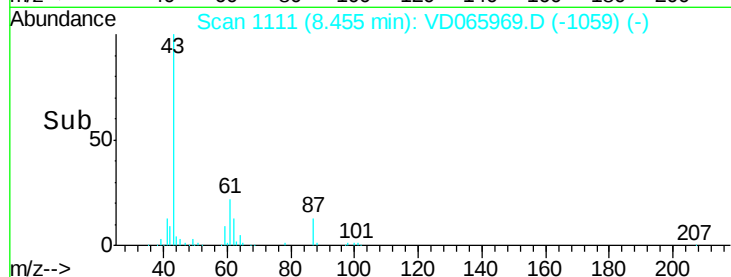
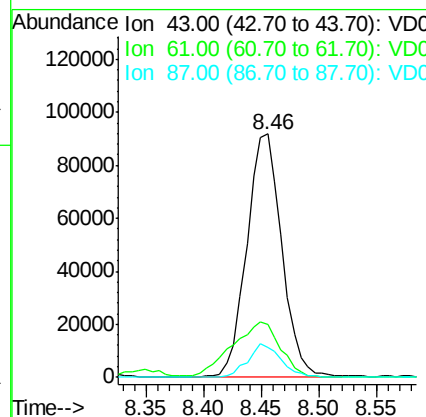
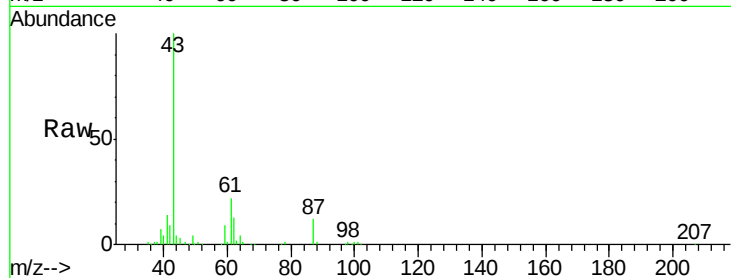
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	194359
Ion	Ratio	Lower	Upper
43	100		
61	31.5	23.2	34.8
87	13.2	10.0	15.0

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7/17/2020 4:43:43 PM



#44

Trichloroethene

Concen: 52.741 ug/l

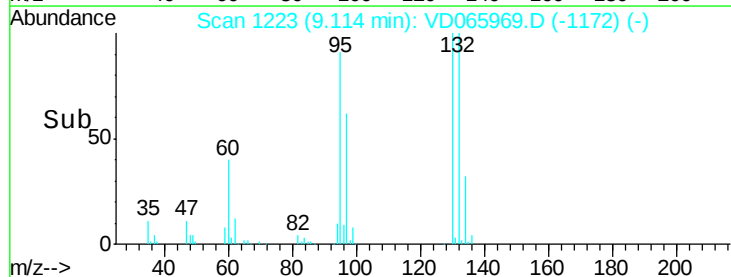
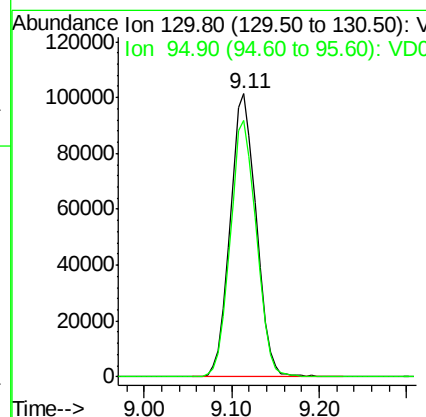
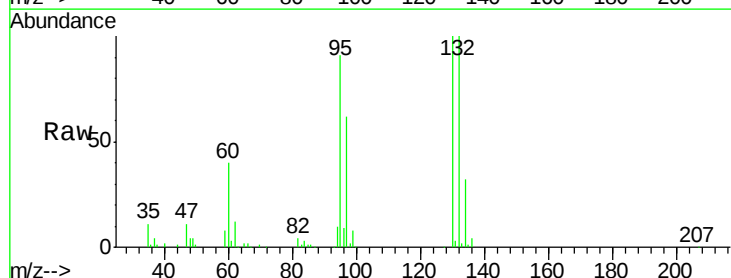
RT: 9.11 min Scan# 1223

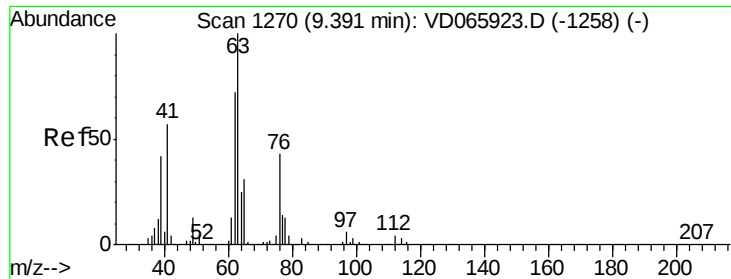
Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Tgt Ion:	130	Resp:	205224
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	184.6





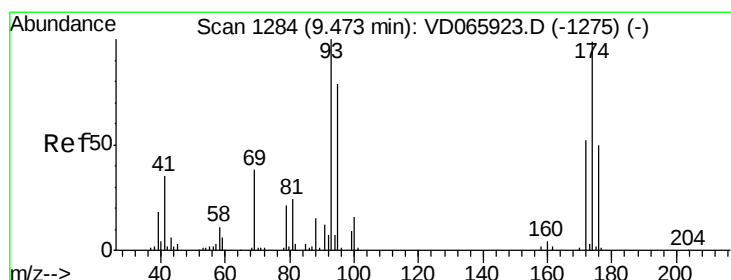
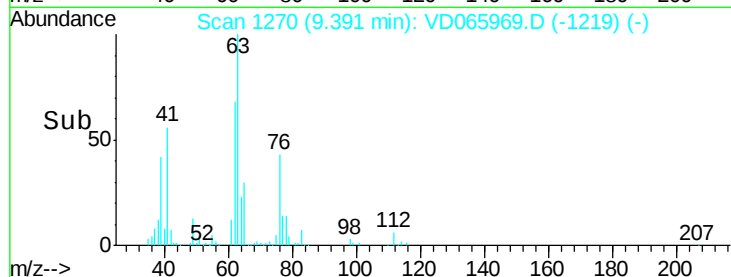
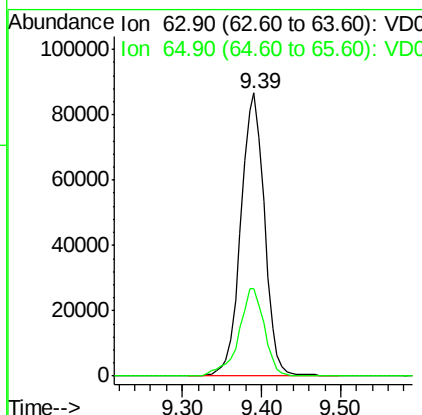
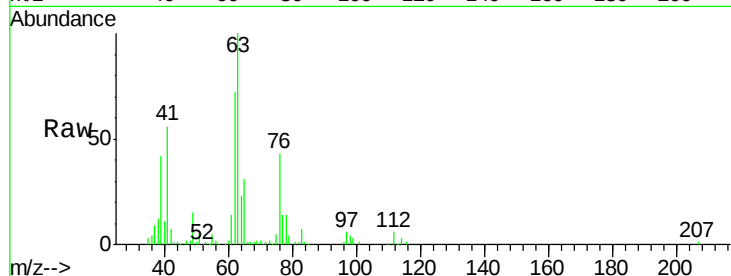
#45
 1,2-Dichloropropane
 Concen: 54.692 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 179774
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6

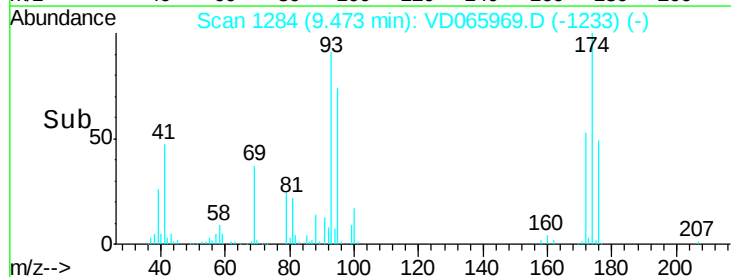
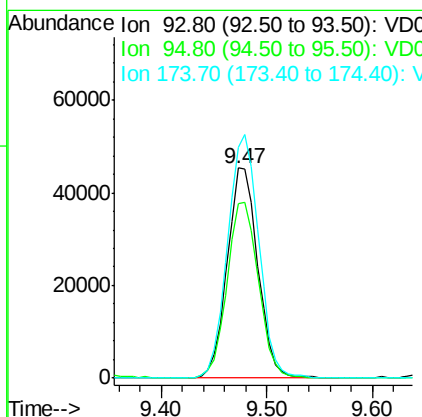
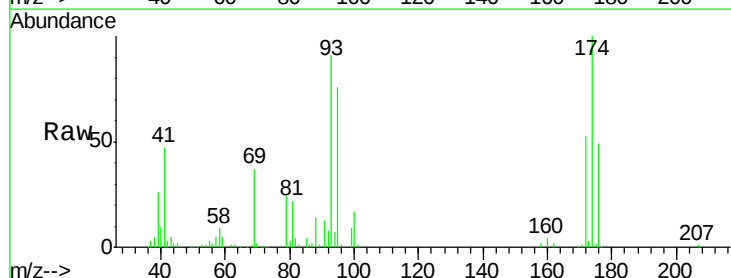
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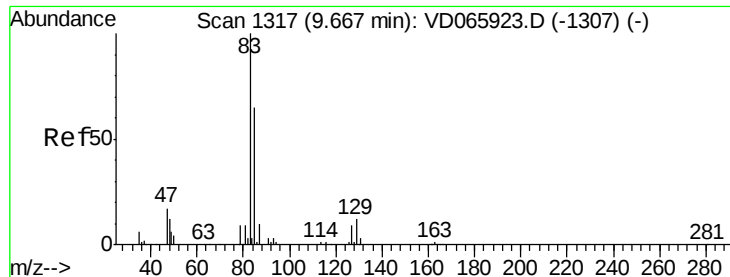
MMDadoda
 7/17/2020 4:43:43 PM



#46
 Dibromomethane
 Concen: 52.959 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Tgt Ion: 93 Resp: 90628
 Ion Ratio Lower Upper
 93 100
 95 85.9 68.2 102.2
 174 118.4 88.0 132.0





#47

Bromodichloromethane

Concen: 53.735 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 246668

Ion Ratio Lower Upper

83 100

85 63.6 51.6 77.4

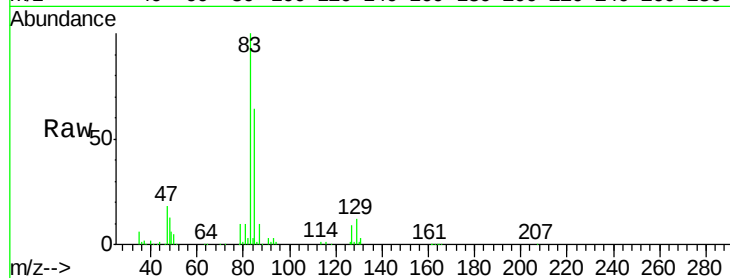
127 9.1 7.2 10.8

Manual Integrations

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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): VDC

9.66

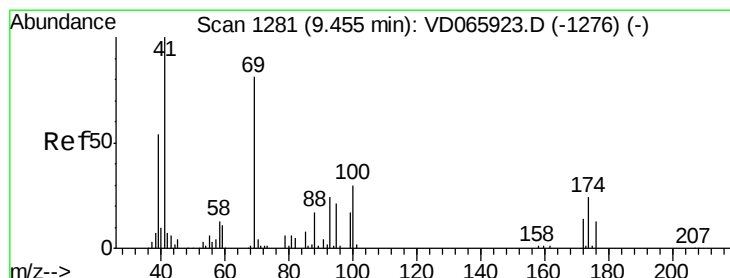
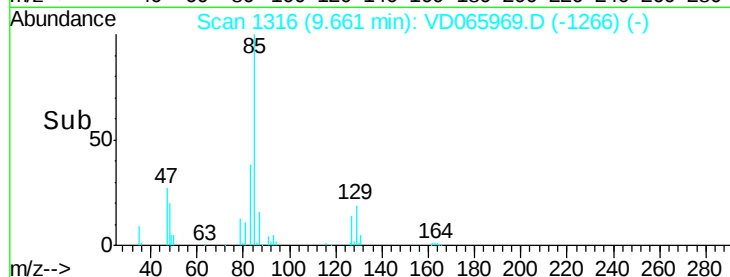
150000

100000

50000

0

Time-->



#48

Methyl methacrylate

Concen: 53.951 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

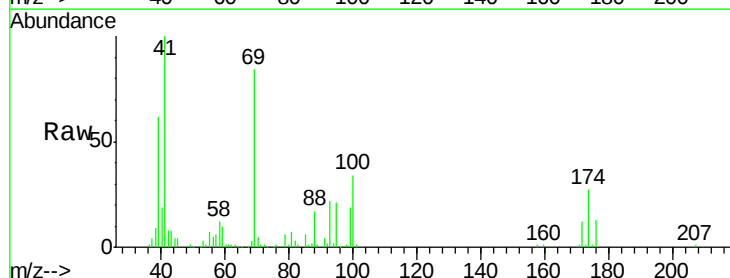
Tgt Ion: 41 Resp: 101543

Ion Ratio Lower Upper

41 100

69 80.6 62.2 93.4

39 51.0 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

9.46

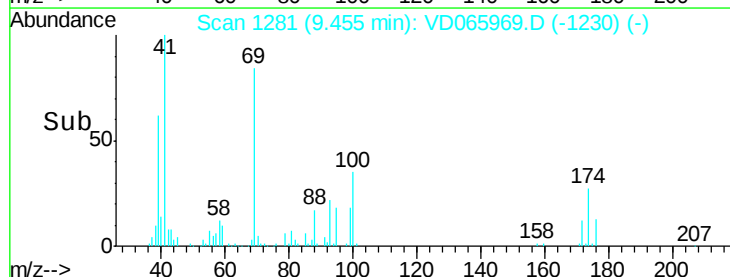
60000

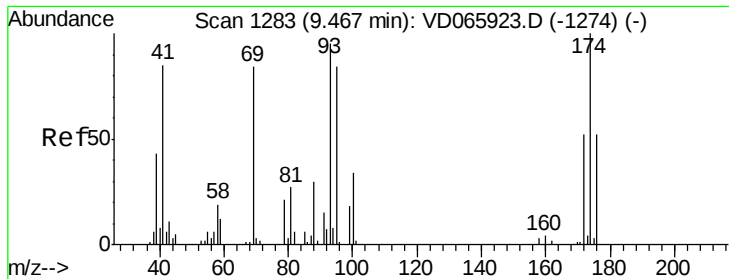
40000

20000

0

Time-->





#49

1,4-Dioxane

Concen: 1032.781 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

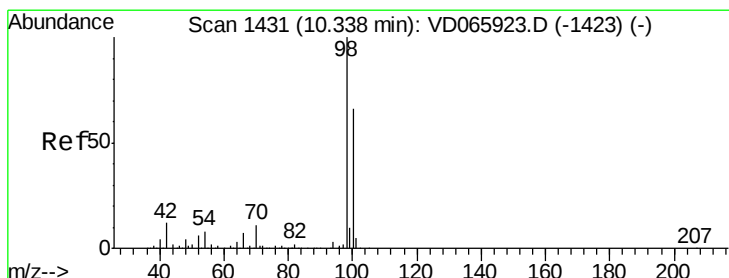
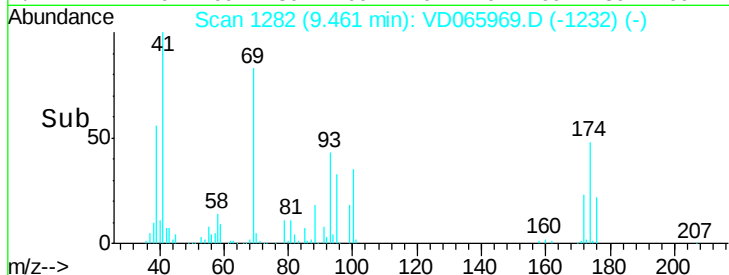
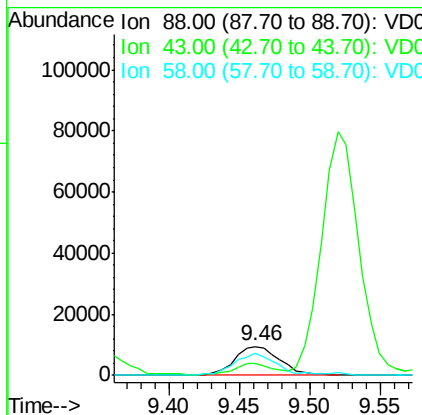
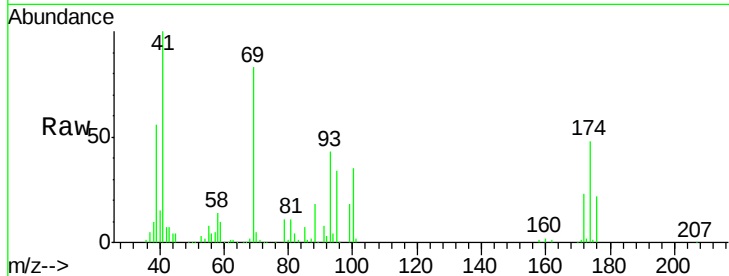
ClientSampleId :

VSTDCCC050EC

Tot Ion	88	Resp	21000
Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.2	42.4
58	77.6	58.6	87.8

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#50

Toluene-d8

Concen: 48.479 ug/l

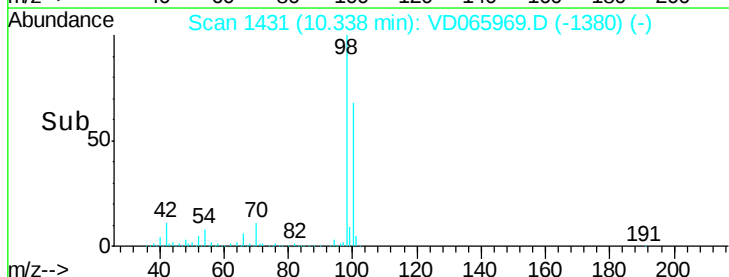
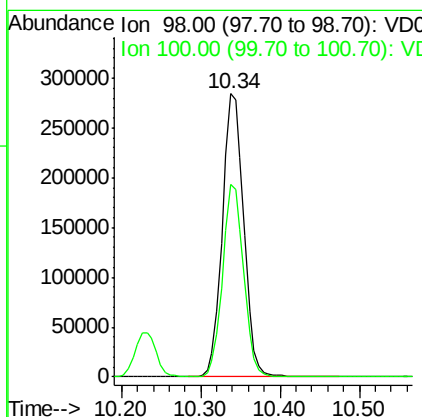
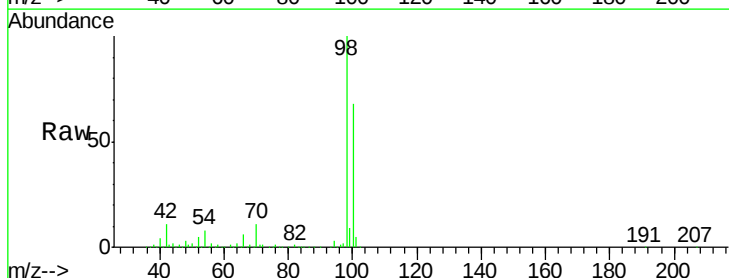
RT: 10.34 min Scan# 1431

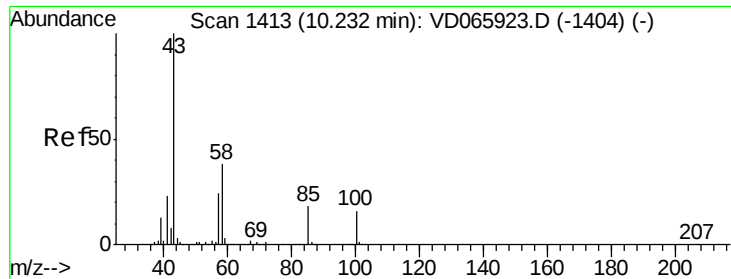
Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Tgt Ion	98	Resp	529628
Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 268.017 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 506598

Ion Ratio Lower Upper

43 100

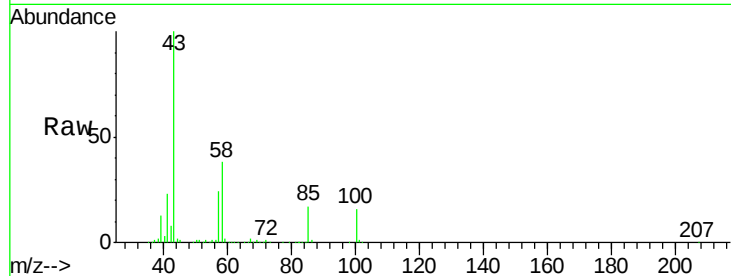
58 38.3 30.5 45.7

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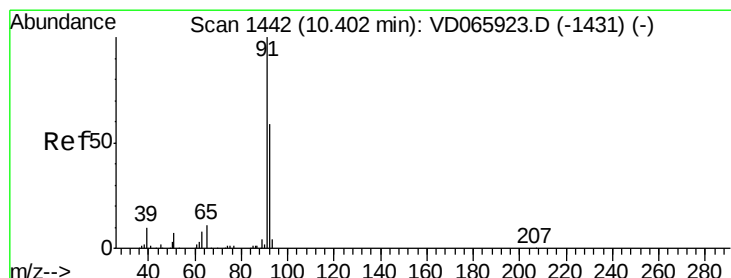
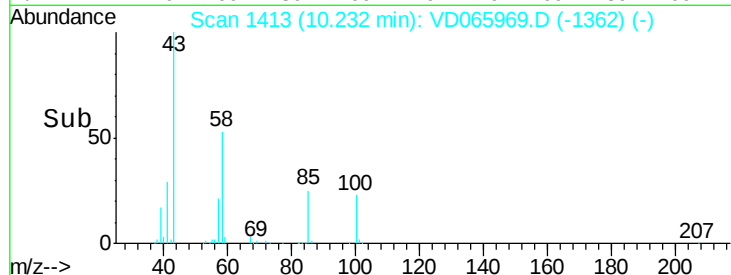
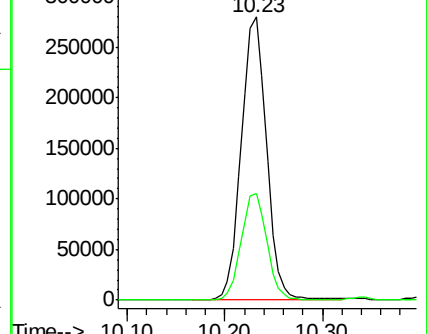
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 54.237 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065969.D

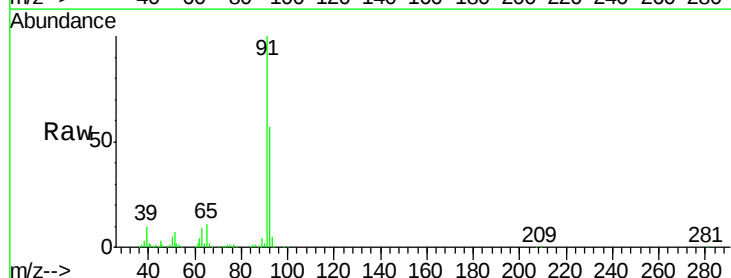
Acq: 16 Jul 2020 20:46

Tgt Ion: 92 Resp: 456967

Ion Ratio Lower Upper

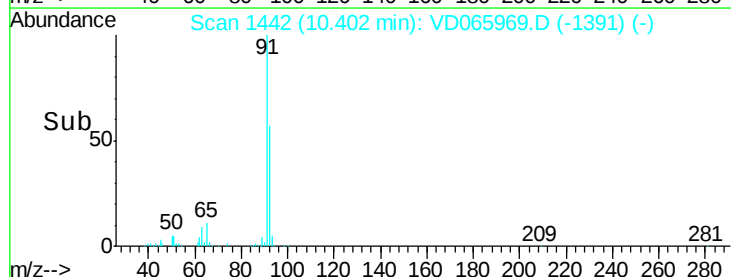
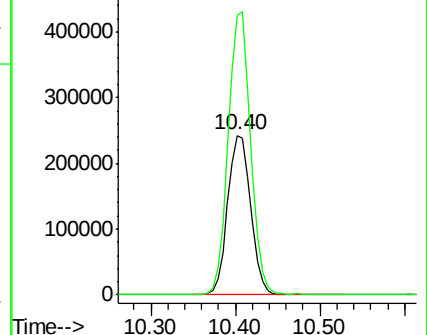
92 100

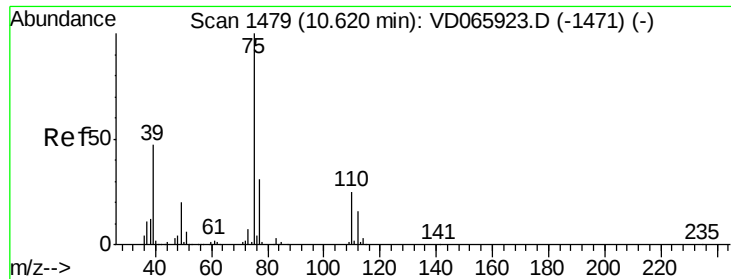
91 172.1 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





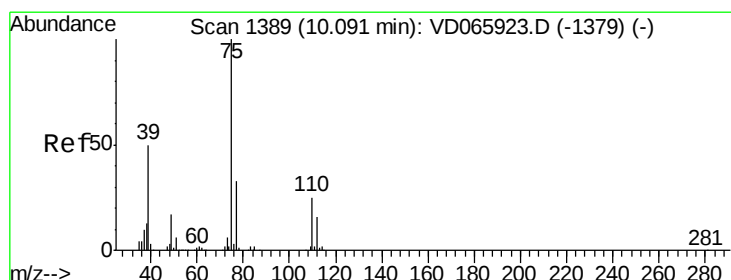
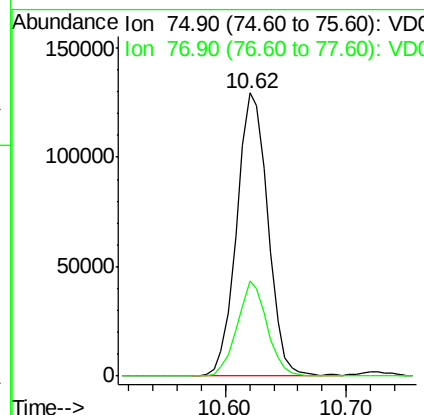
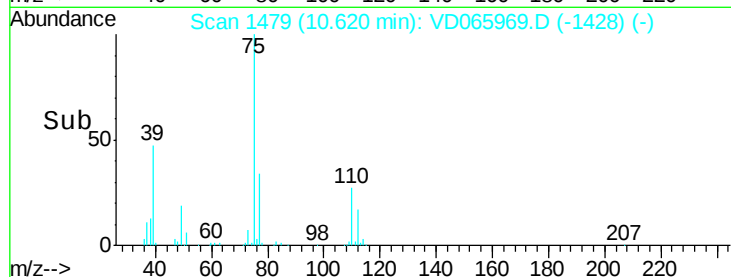
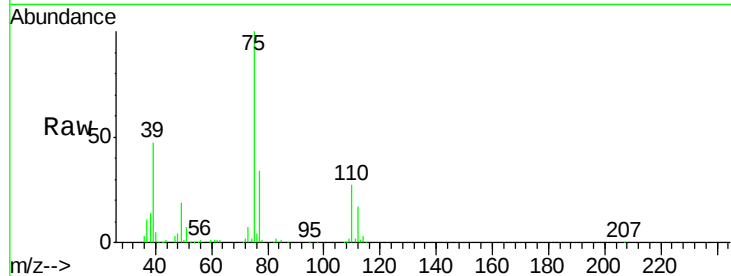
#53
 t-1,3-Dichloropropene
 Concen: 54.033 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 233221
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.1 37.7

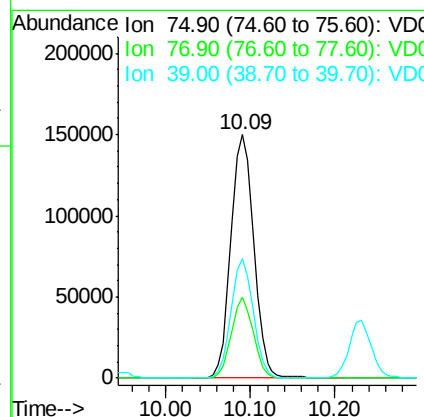
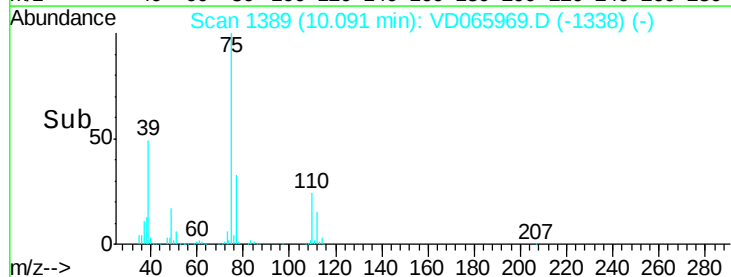
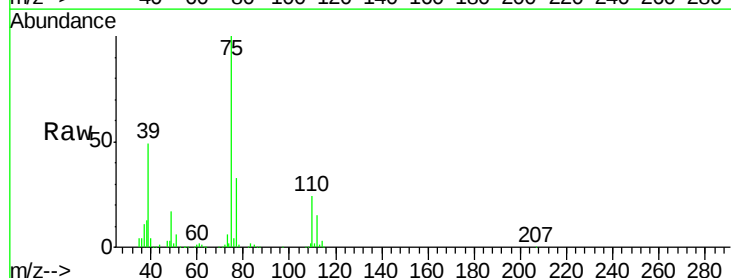
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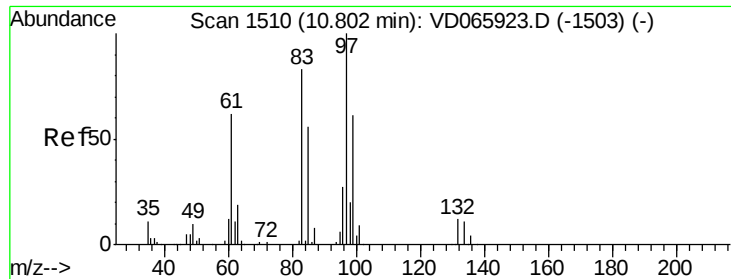
MMDadoda
 7/17/2020 4:43:43 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.808 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Tgt Ion: 75 Resp: 280636
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.6 39.8
 39 49.1 39.6 59.4





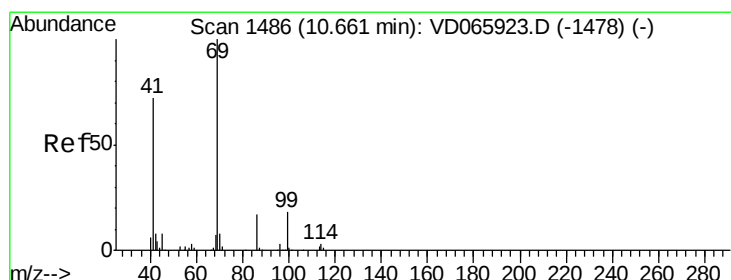
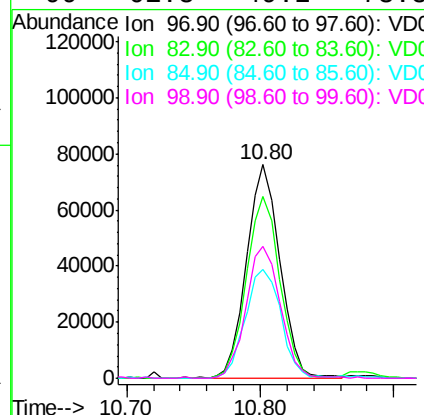
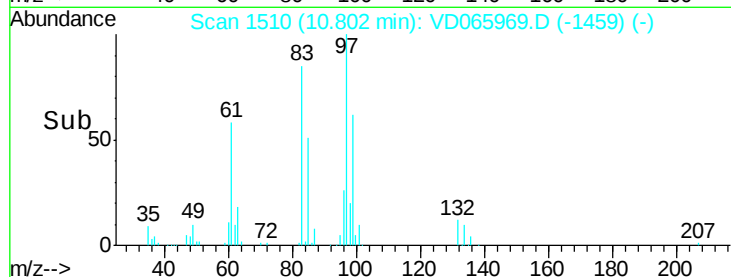
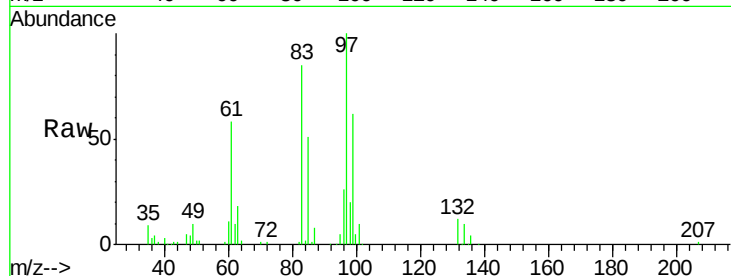
#55
 1,1,2-Trichloroethane
 Concen: 55.844 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.3	66.9	100.3
85	50.7	44.5	66.7
99	61.8	49.2	73.8

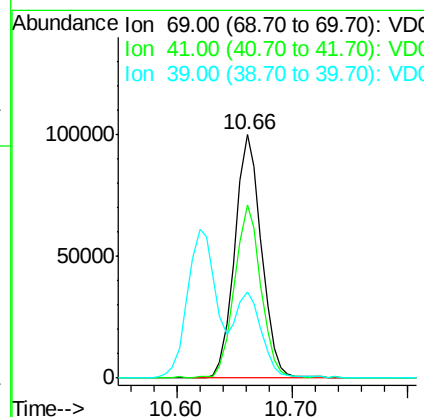
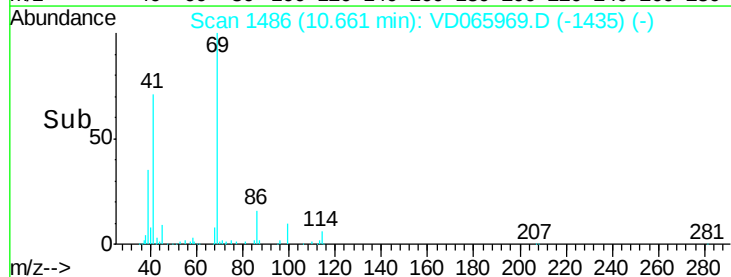
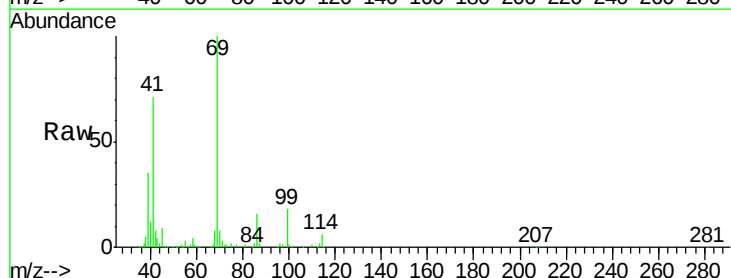
Manual Integrations
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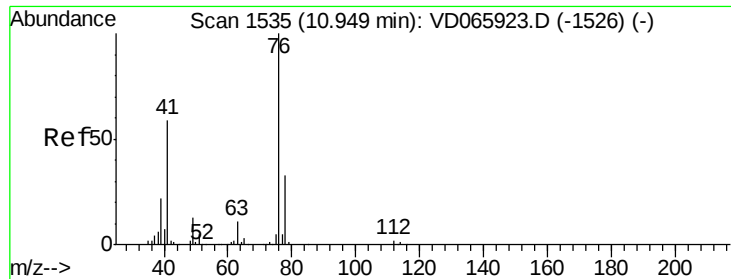
MMDadoda
 7/17/2020 4:43:43 PM



#56
 Ethyl methacrylate
 Concen: 55.583 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.6	56.5	84.7
39	35.7	29.2	43.8





#57

1,3-Dichloropropane

Concen: 54.020 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 222744

Ion Ratio Lower Upper

76 100

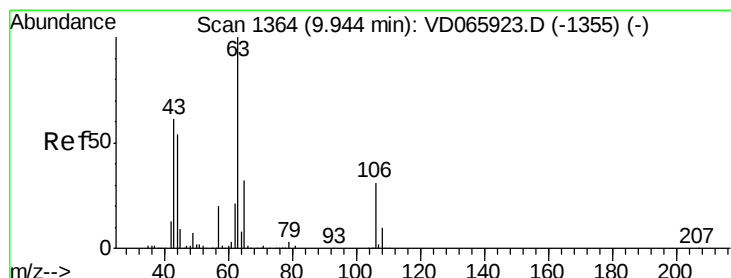
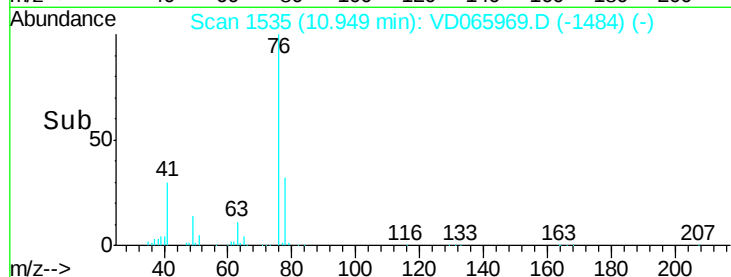
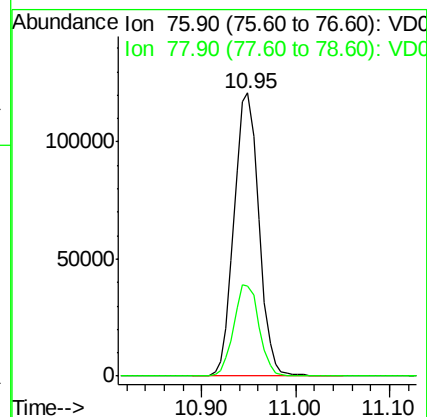
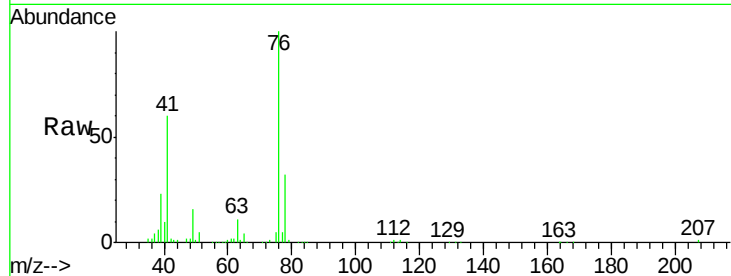
78 32.9 25.8 38.6

Manual Integrations

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MMDadoda

7/17/2020 4:43:43 PM



#58

2-Chloroethyl Vinyl ether

Concen: 246.882 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065969.D

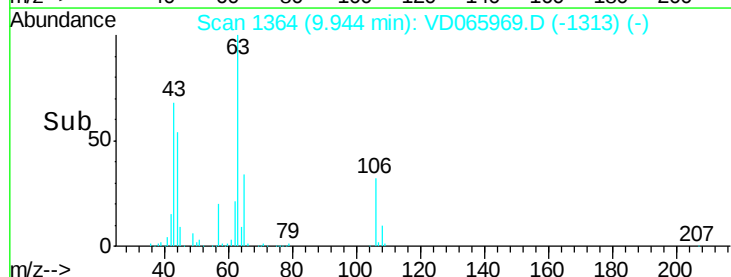
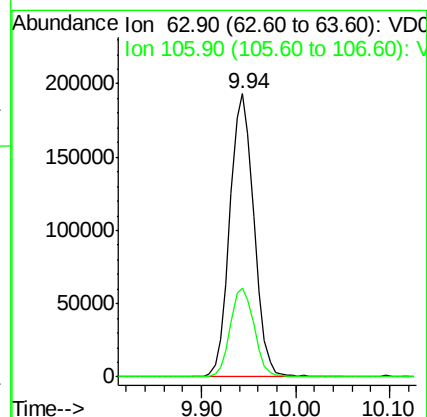
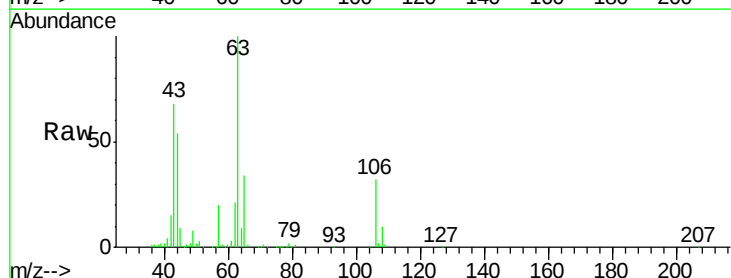
Acq: 16 Jul 2020 20:46

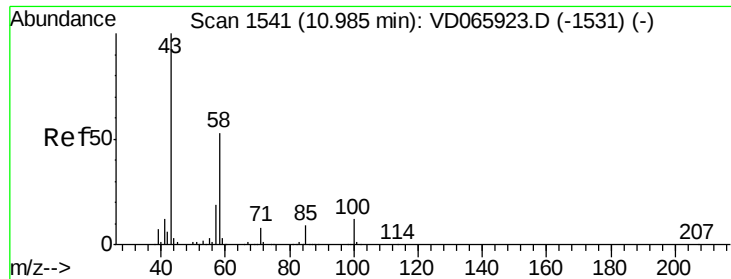
Tgt Ion: 63 Resp: 344323

Ion Ratio Lower Upper

63 100

106 31.3 23.8 35.6





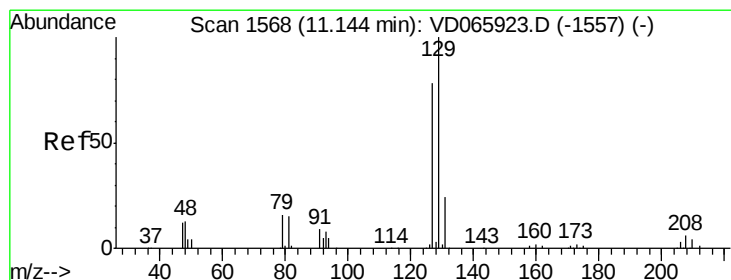
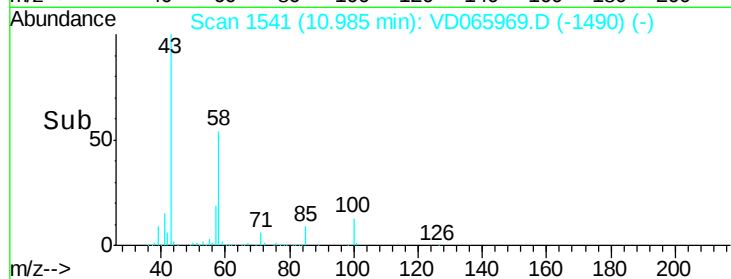
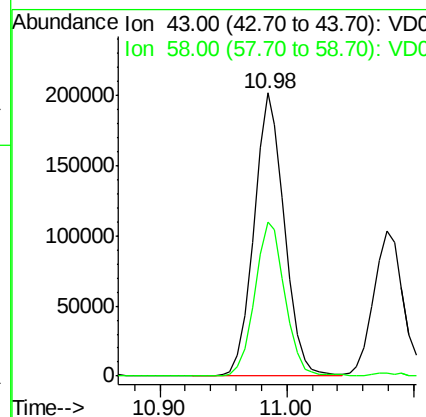
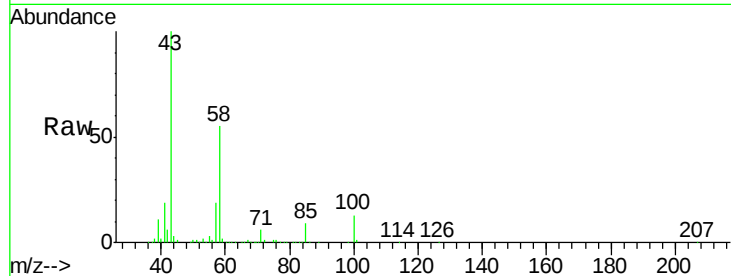
#59
2-Hexanone
Concen: 258.268 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 335734
Ion Ratio Lower Upper
43 100
58 54.3 26.6 79.8

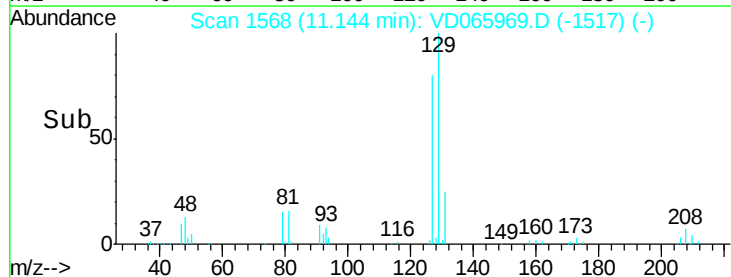
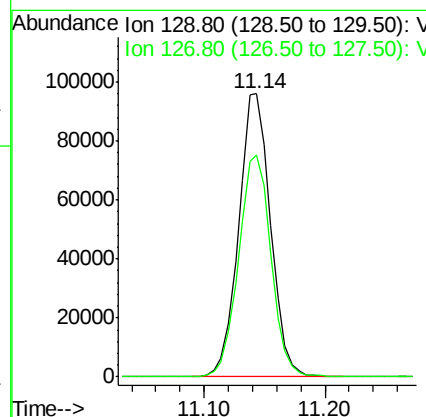
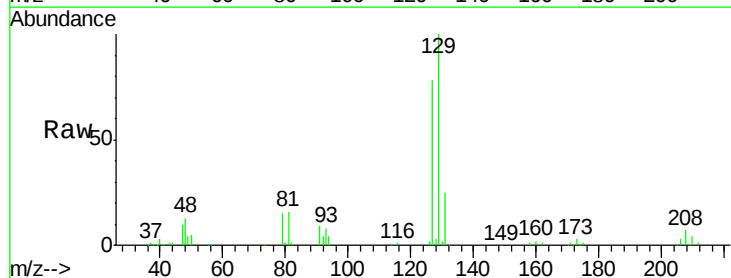
Manual Integrations
APPROVED

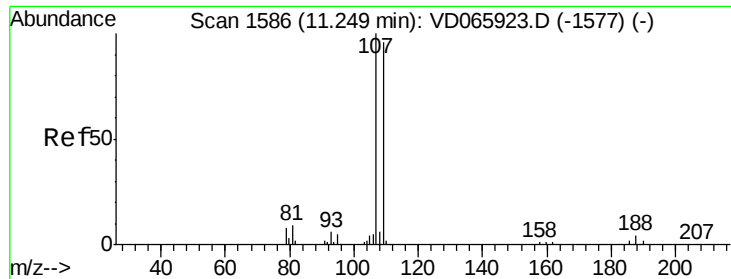
MMDadoda
7/17/2020 4:43:43 PM



#60
Dibromochloromethane
Concen: 54.744 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion: 129 Resp: 176350
Ion Ratio Lower Upper
129 100
127 79.8 38.8 116.4





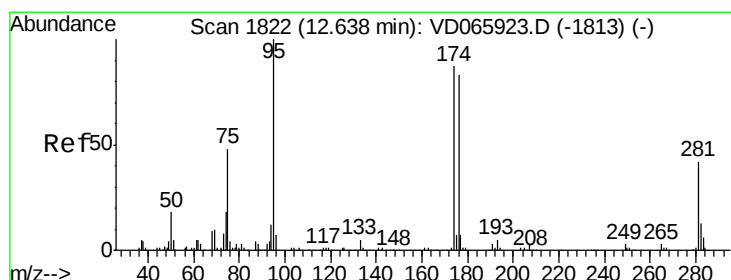
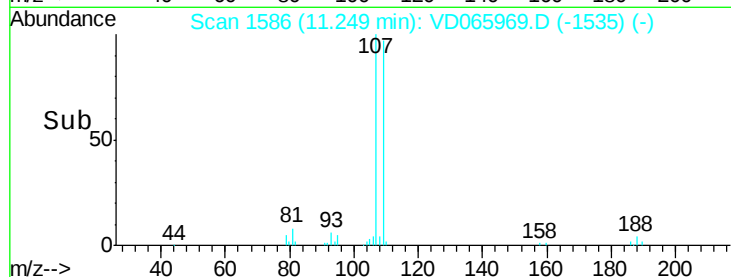
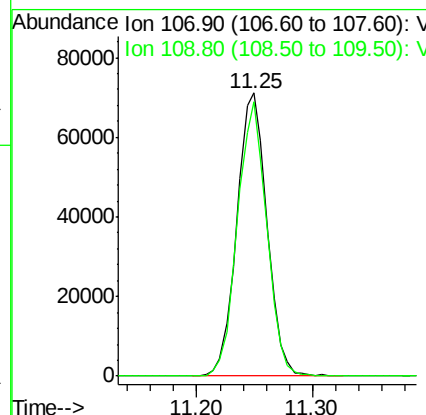
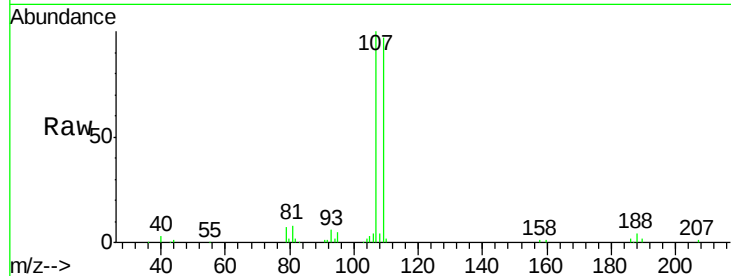
#61
 1,2-Dibromoethane
 Concen: 54.567 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.0

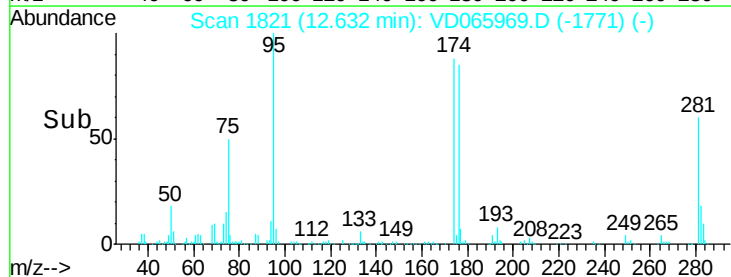
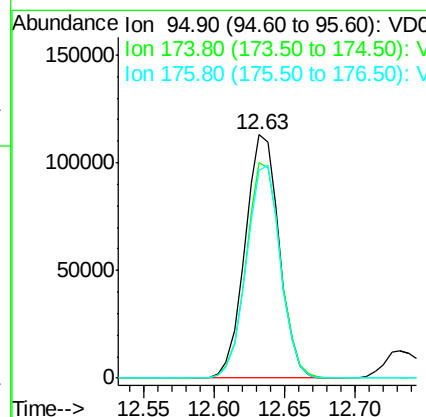
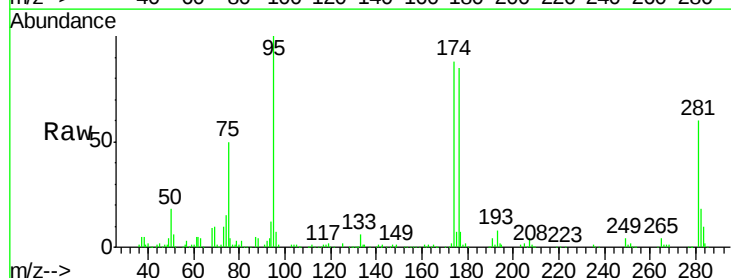
Manual Integrations
 APPROVED

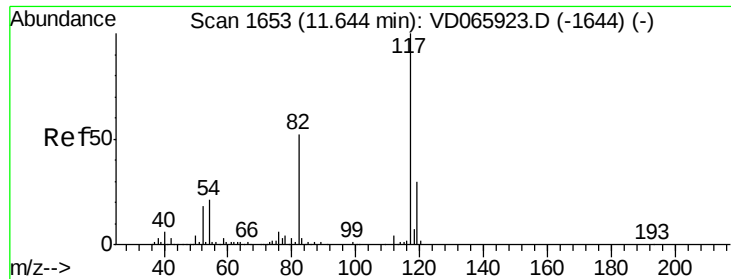
MMDadoda
 7/17/2020 4:43:43 PM



#62
 4-Bromofluorobenzene
 Concen: 51.144 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	169.4
176	86.5	0.0	164.0





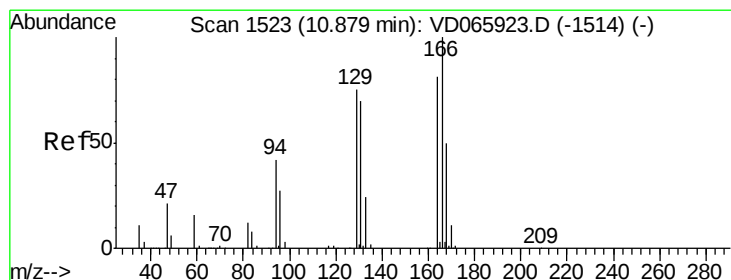
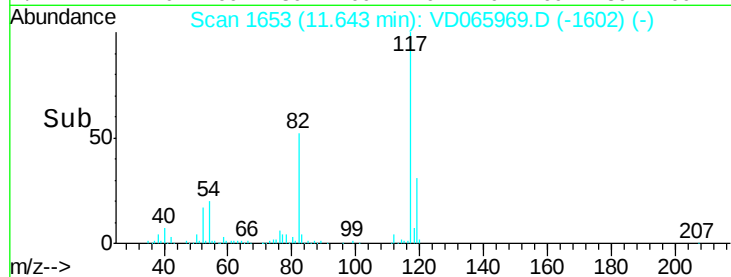
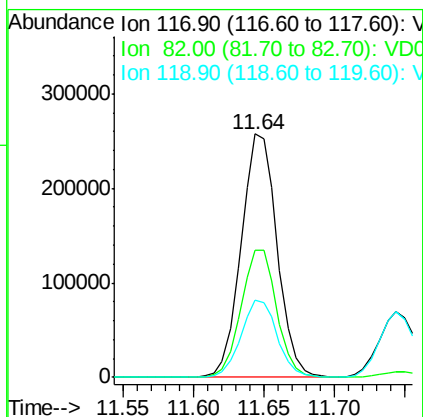
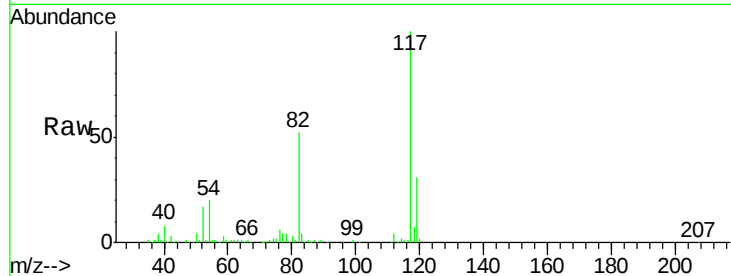
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	458589		
82	52.0		41.8	62.8
119	31.5		24.3	36.5

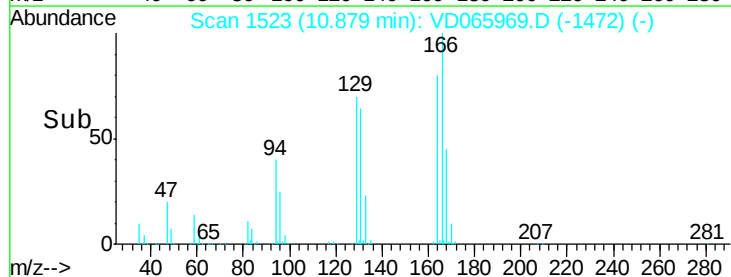
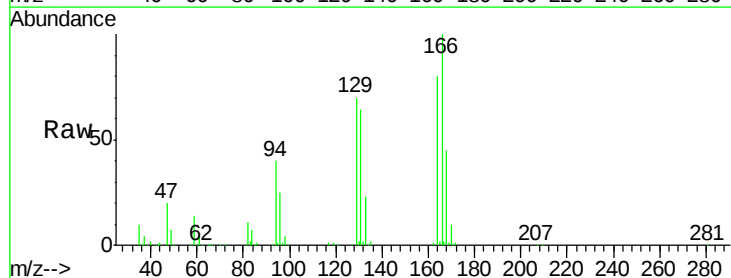
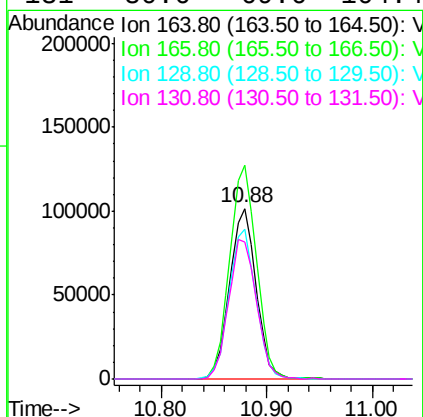
Manual Integrations
APPROVED

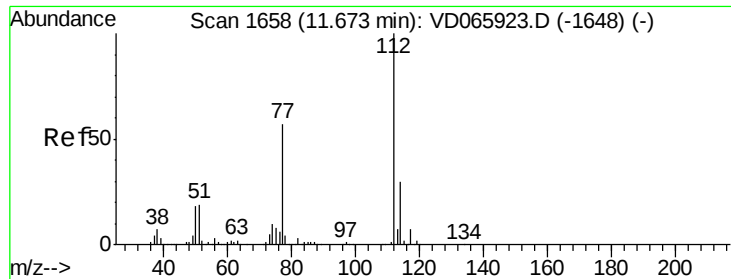
MMDadoda
7/17/2020 4:43:43 PM



#64
Tetrachloroethene
Concen: 52.532 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	175195		
166	125.4		99.0	148.4
129	88.2		73.9	110.9
131	80.6		69.6	104.4





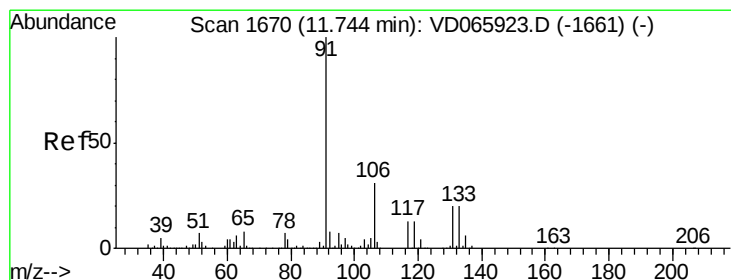
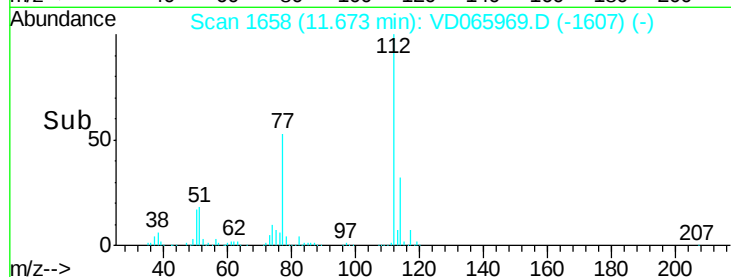
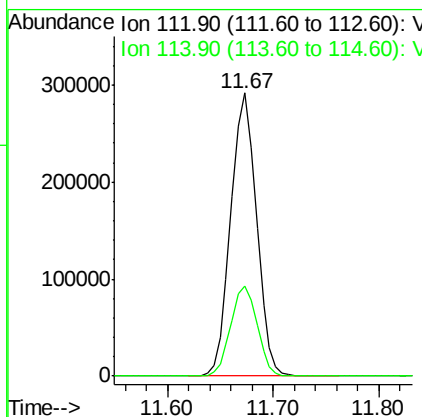
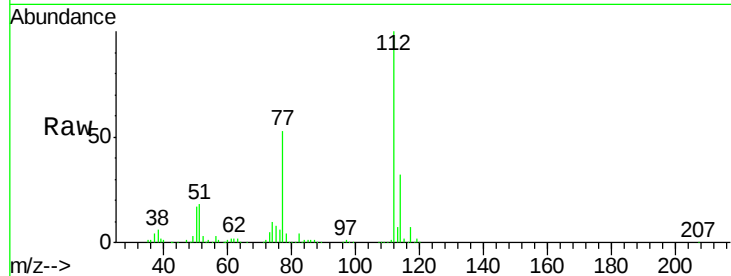
#65
Chlorobenzene
Concen: 53.364 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.2	36.4

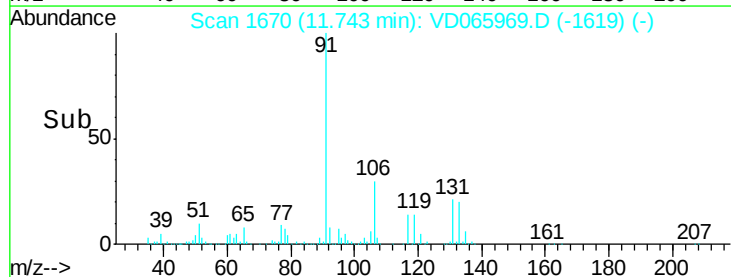
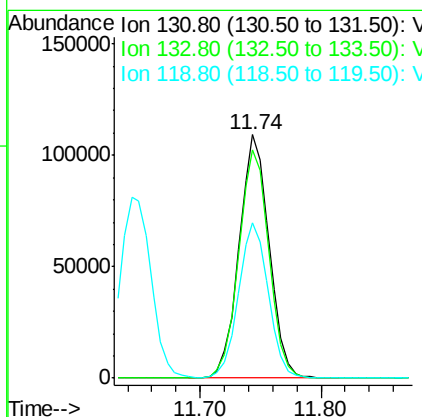
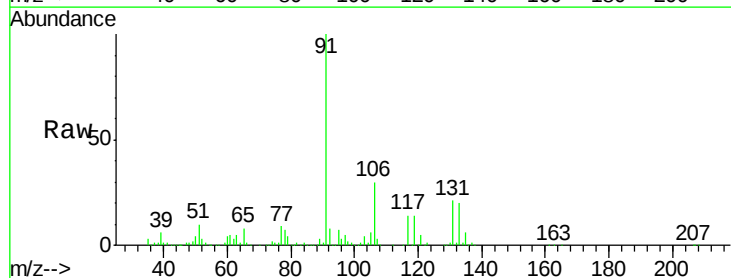
Manual Integrations
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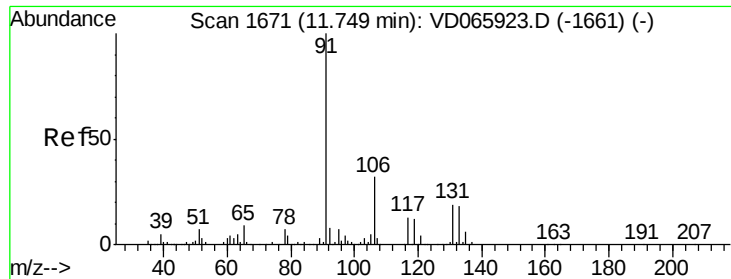
MMDadoda
7/17/2020 4:43:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.749 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.9	143.6
119	63.4	31.9	95.9





#67

Ethyl Benzene

Concen: 52.721 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 865546

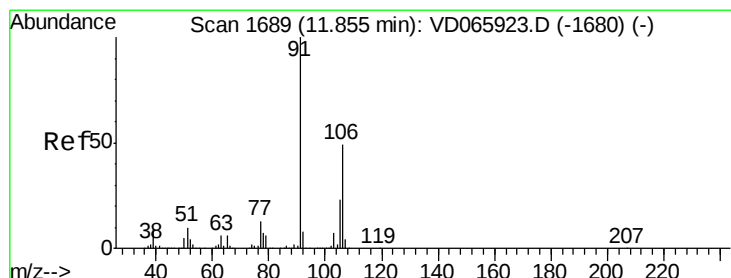
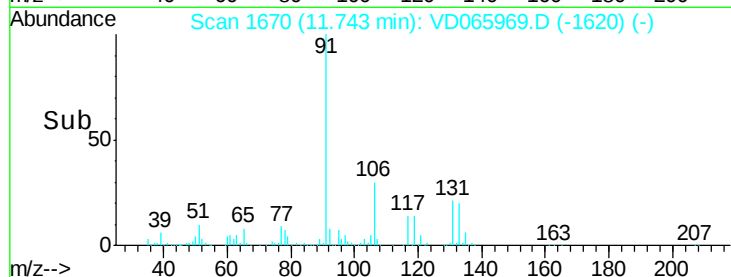
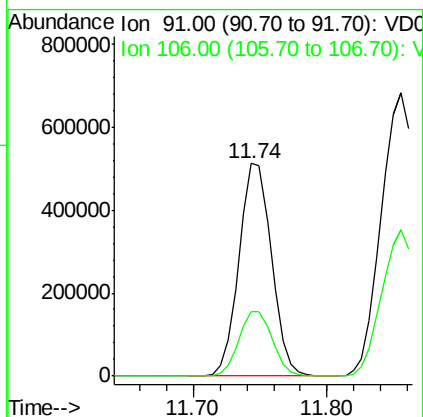
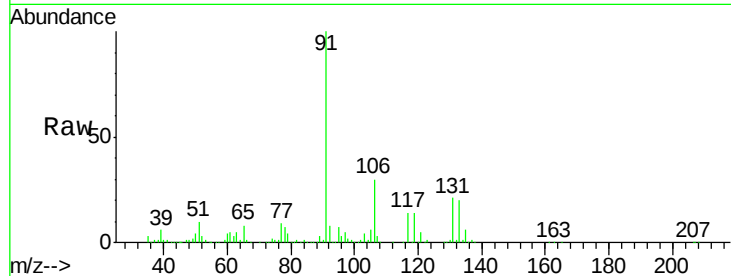
Ion Ratio Lower Upper

91 100

106 30.4 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
7/17/2020 4:43:43 PM



#68

m/p-Xylenes

Concen: 107.456 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065969.D

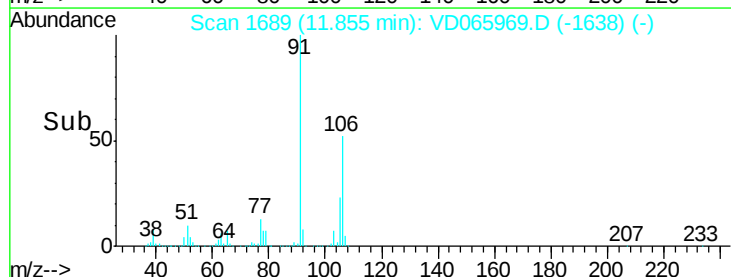
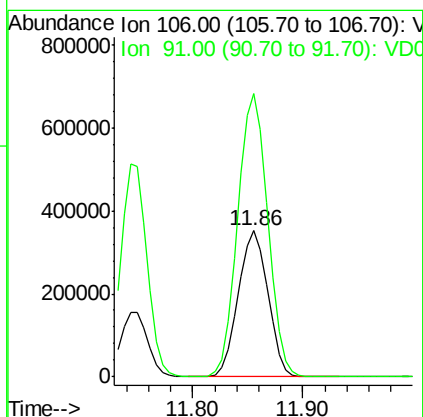
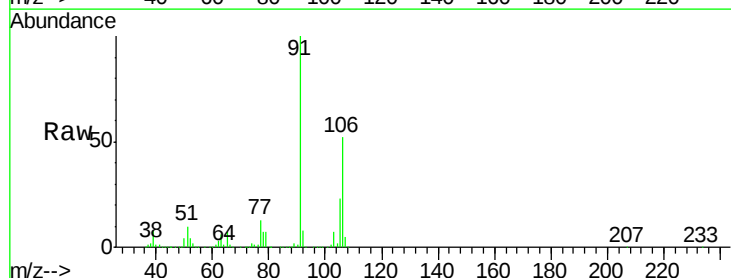
Acq: 16 Jul 2020 20:46

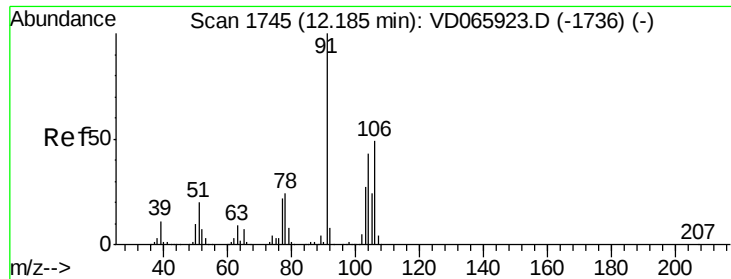
Tgt Ion: 106 Resp: 670259

Ion Ratio Lower Upper

106 100

91 195.1 158.2 237.2





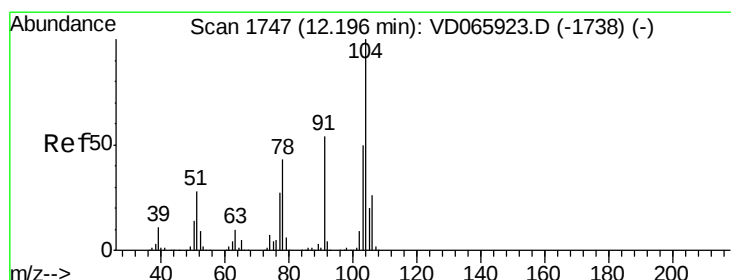
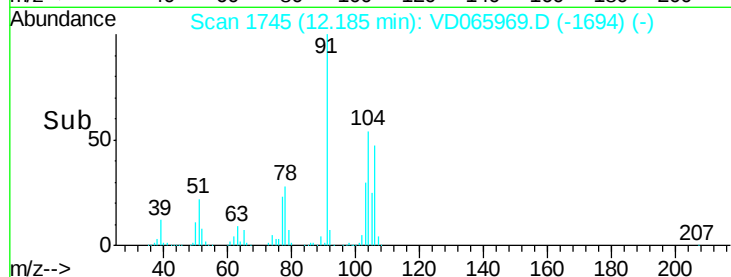
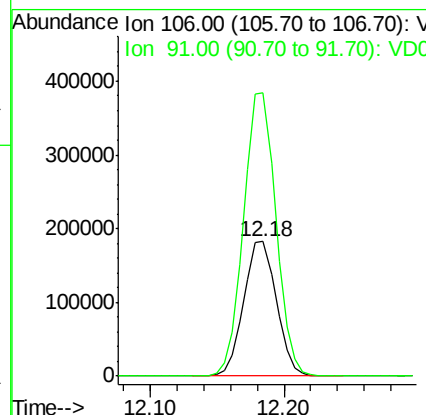
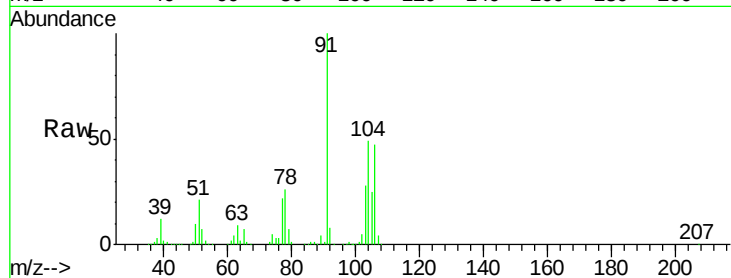
#69
o-Xylene
Concen: 54.619 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.6	104.1	312.2	

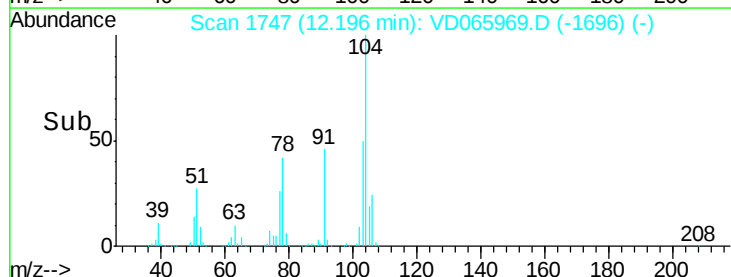
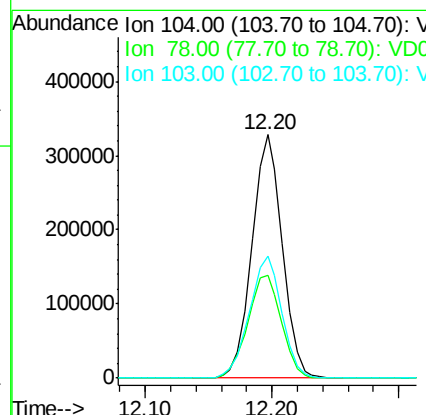
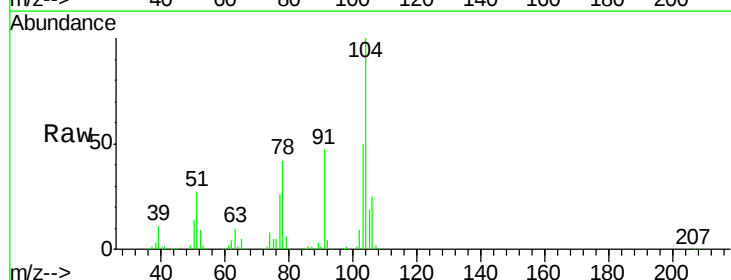
Manual Integrations
APPROVED

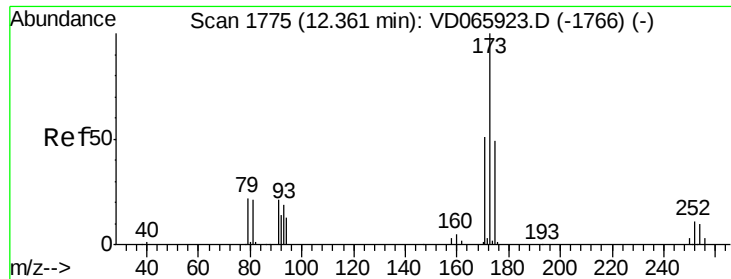
MMDadoda
7/17/2020 4:43:43 PM



#70
Styrene
Concen: 55.734 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.1	38.8	58.2	
103	53.5	43.6	65.4	





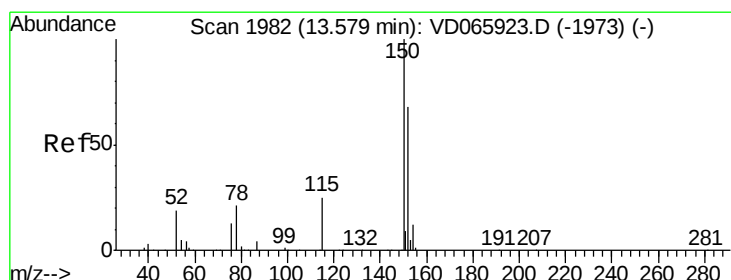
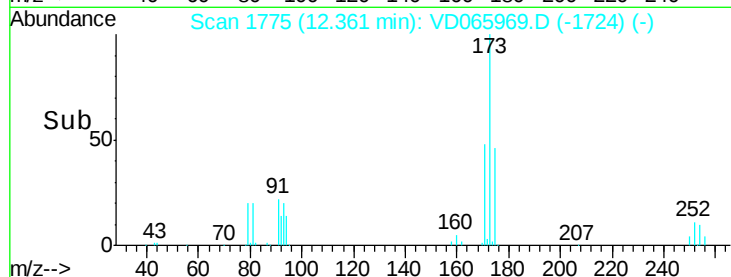
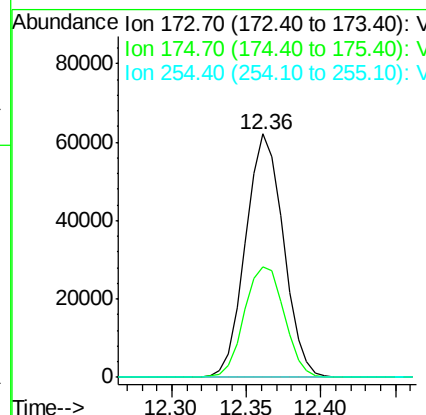
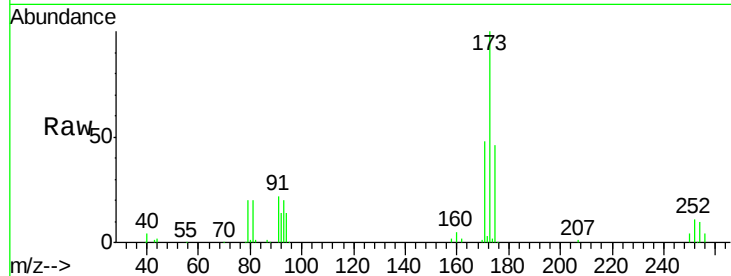
#71
Bromoform
Concen: 55.676 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.2	72.6
254	0.0	0.0	0.0

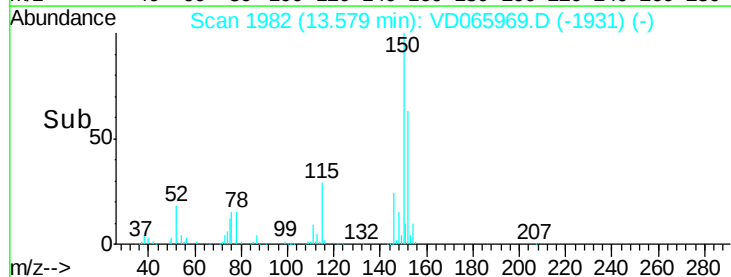
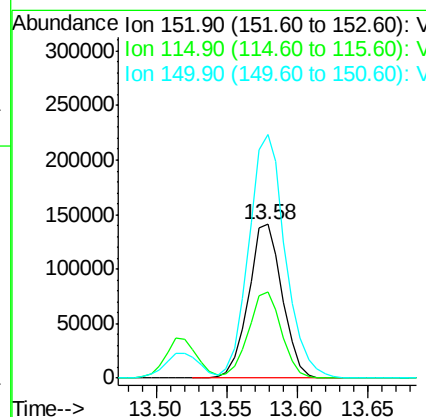
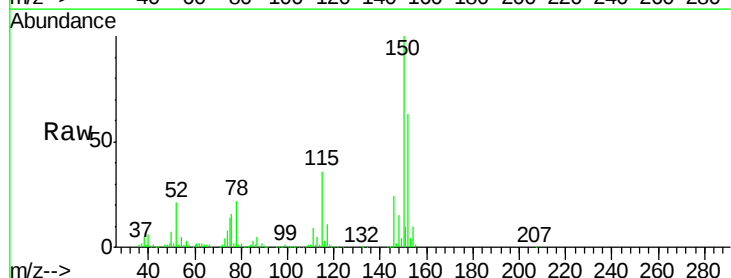
Manual Integrations
APPROVED

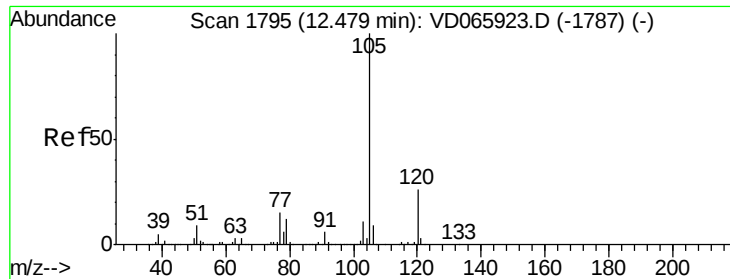
MMDadoda
7/17/2020 4:43:43 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.8	83.3
150	171.5	0.0	347.2





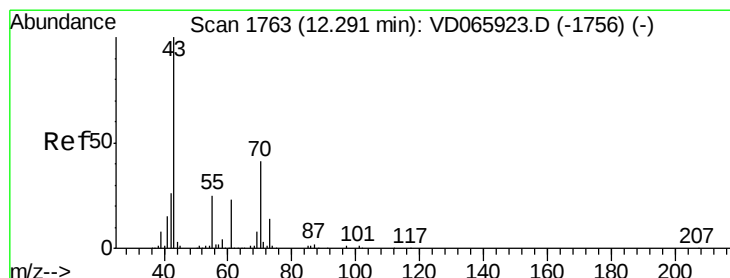
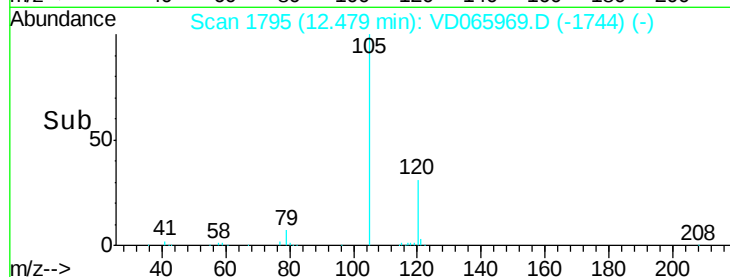
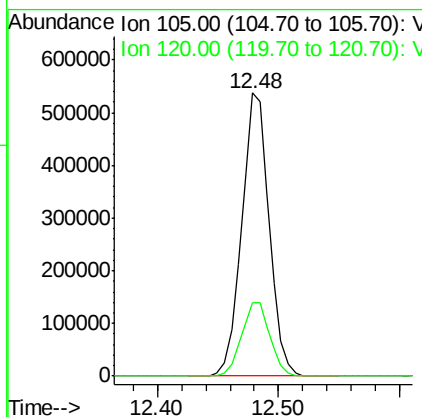
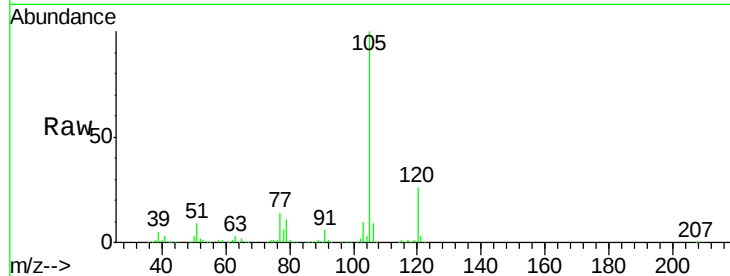
#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 848063
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.8

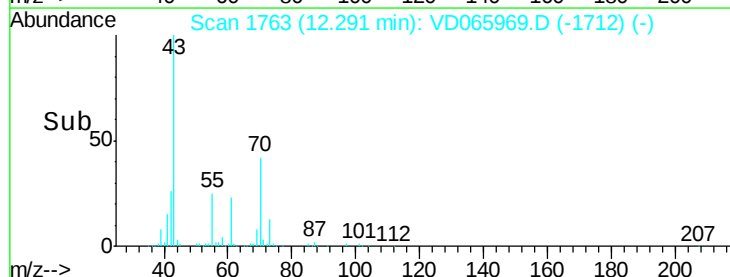
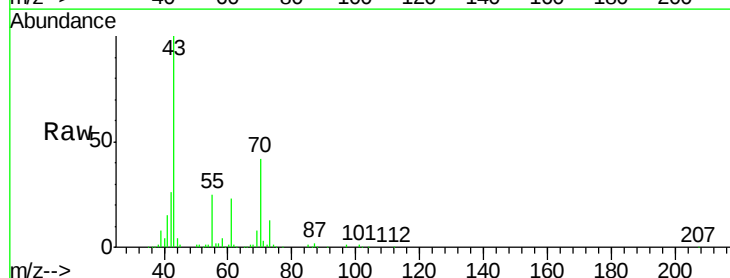
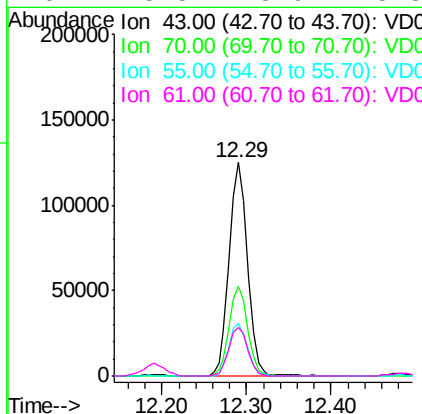
Manual Integrations
APPROVED

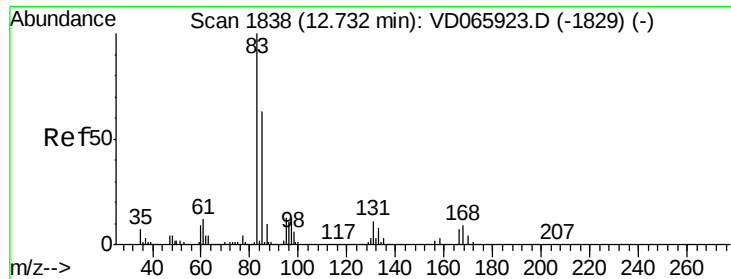
MMDadoda
7/17/2020 4:43:43 PM



#74
N-ethyl acetate
Concen: 50.503 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion: 43 Resp: 186296
Ion Ratio Lower Upper
43 100
70 42.3 33.6 50.4
55 24.9 20.1 30.1
61 23.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.447 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 140409

Ion Ratio Lower Upper

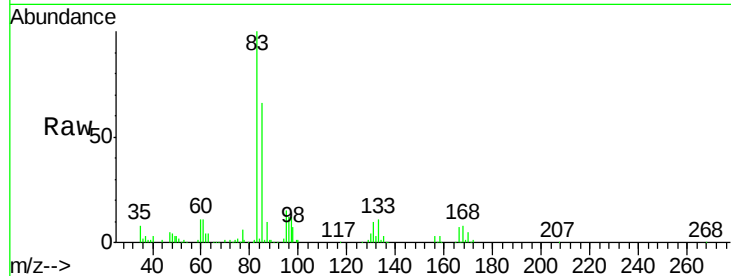
83 100

131 11.6 5.6 16.8

85 64.7 32.6 98.0

Manual Integrations
APPROVED

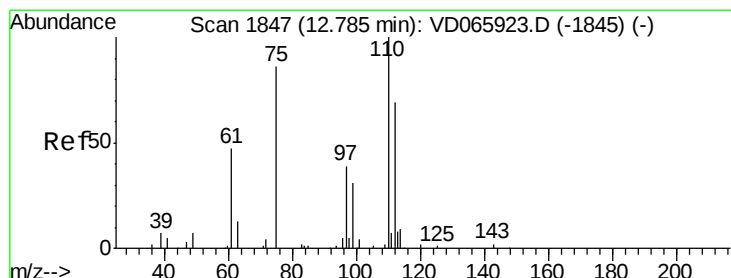
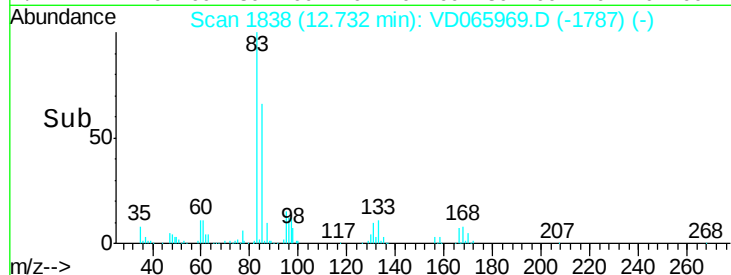
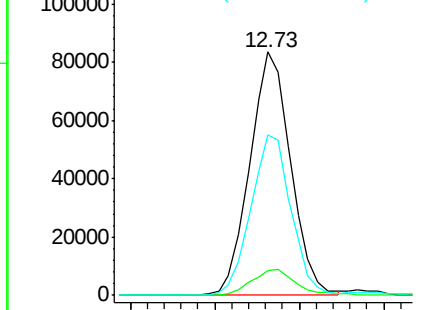
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 47.456 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD065969.D

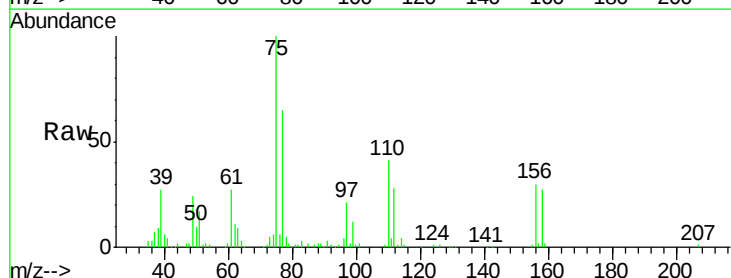
Acq: 16 Jul 2020 20:46

Tgt Ion: 75 Resp: 93768

Ion Ratio Lower Upper

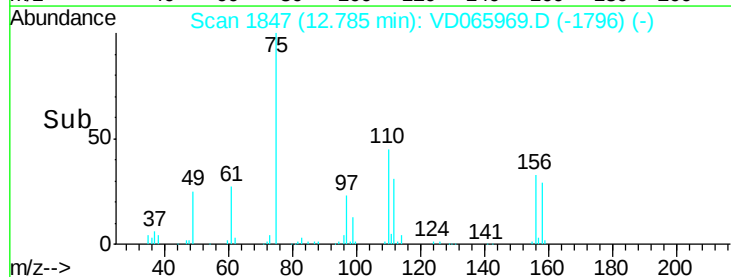
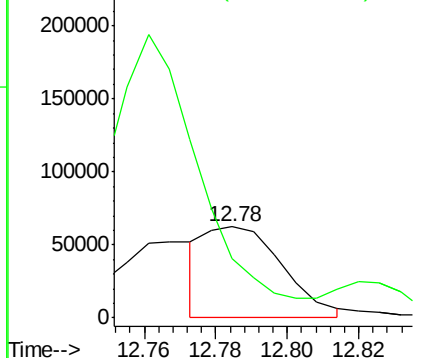
75 100

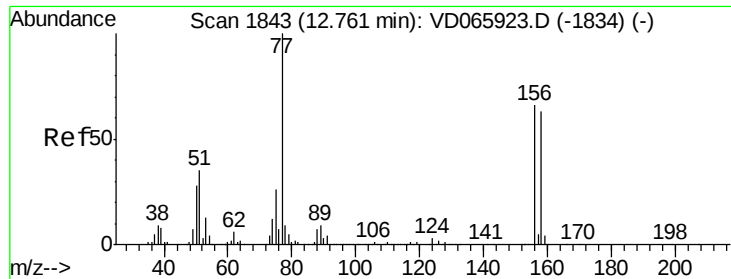
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





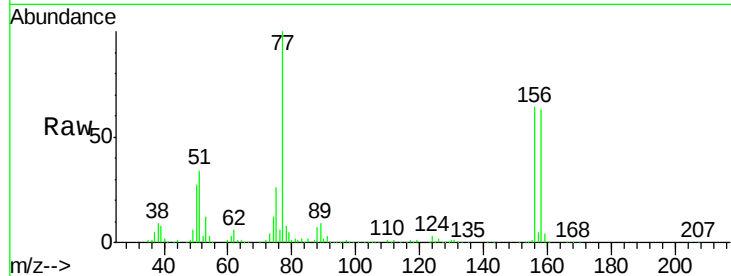
#77
Bromobenzene
Concen: 53.606 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

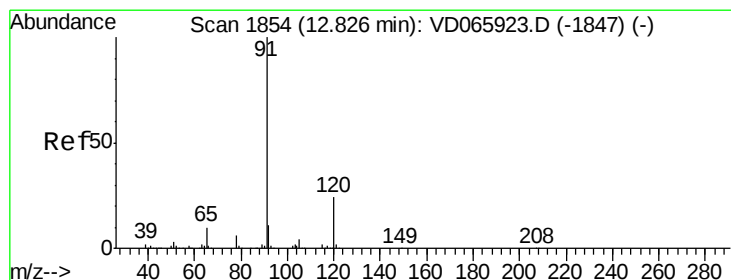
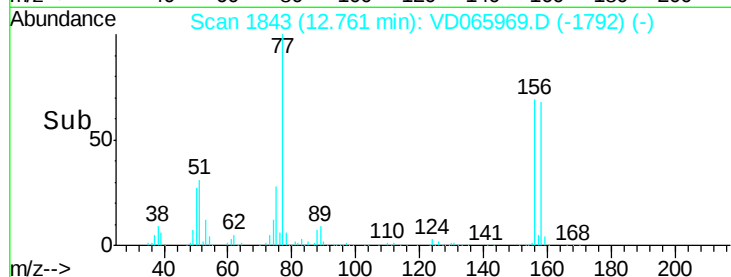
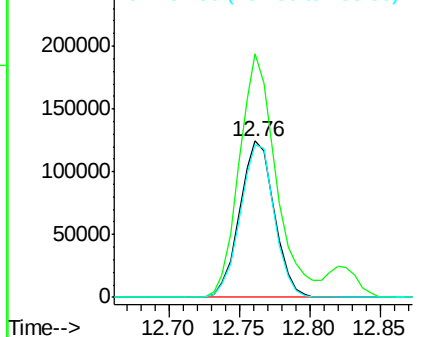
Tot Ion	Ratio	Lower	Upper
156	100		
77	166.6	85.0	255.0
158	96.0	49.0	147.0

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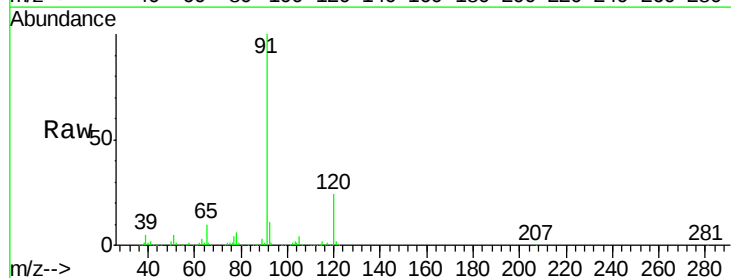


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

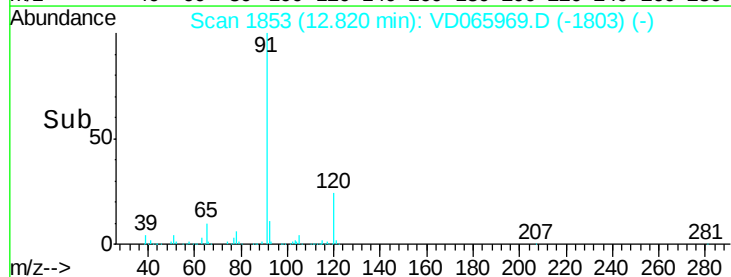
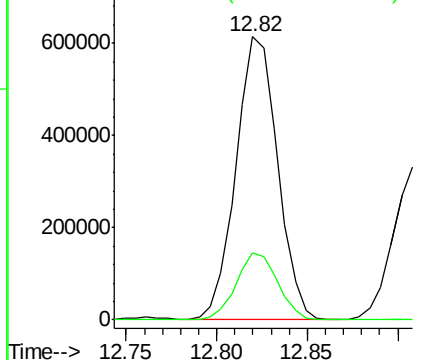


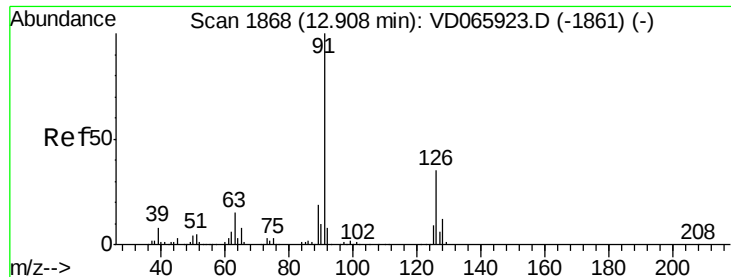
#78
n-propylbenzene
Concen: 50.841 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





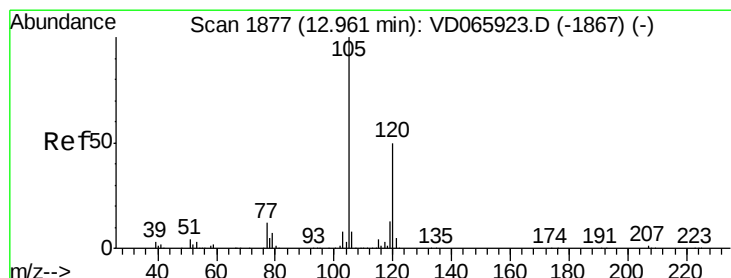
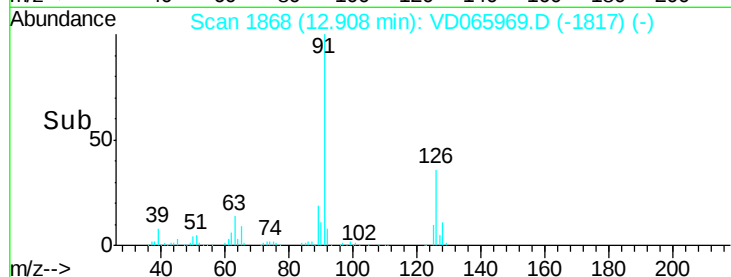
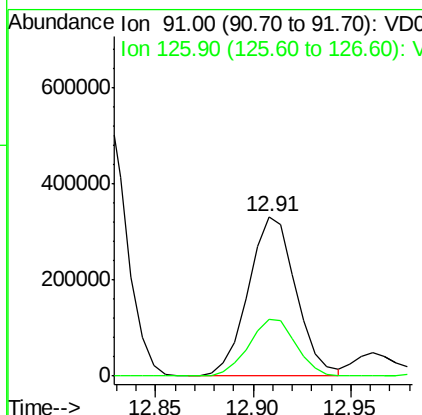
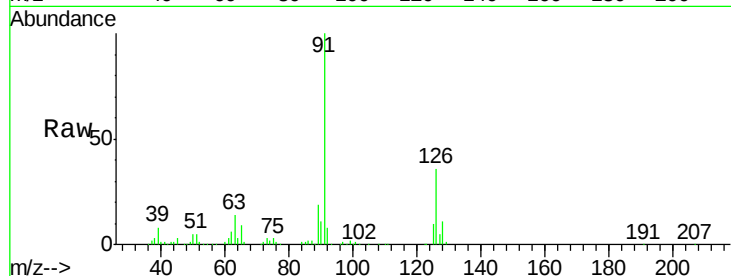
#79
2-Chlorotoluene
Concen: 51.141 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 559159
Ion Ratio Lower Upper
91 100
126 35.7 17.6 52.8

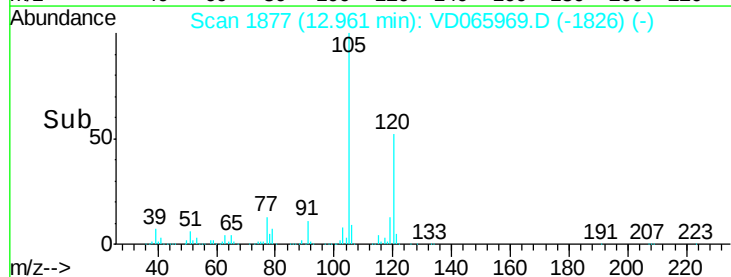
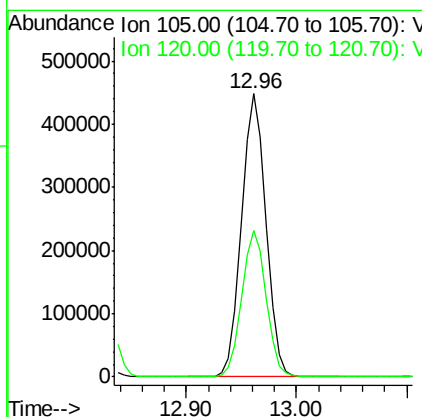
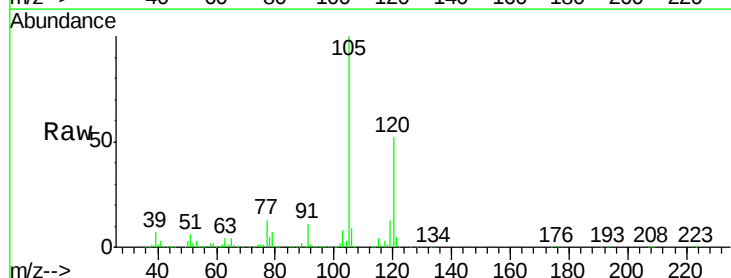
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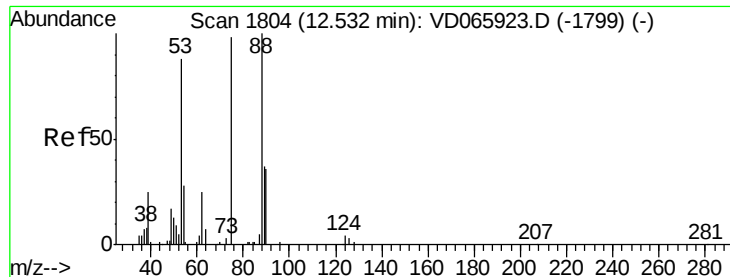
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 51.808 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion: 105 Resp: 696598
Ion Ratio Lower Upper
105 100
120 51.6 25.2 75.6





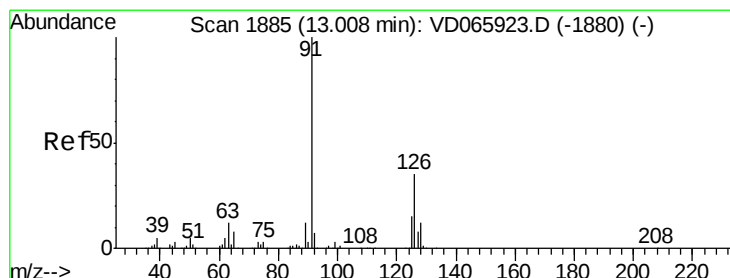
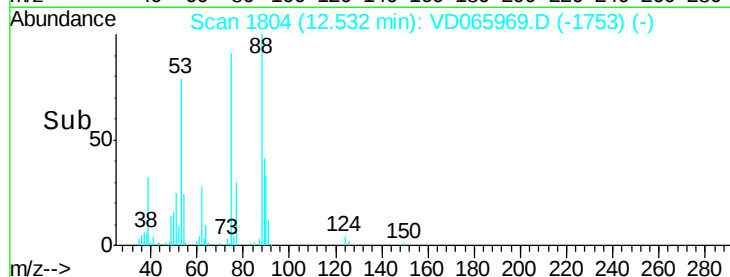
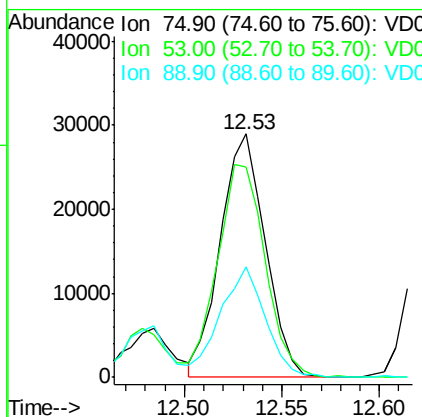
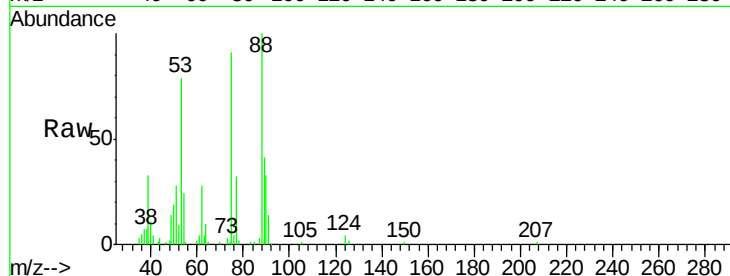
#81
trans-1,4-Dichloro-2-butene
Concen: 50.210 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.8	75.8	113.8
89	45.5	37.5	56.3

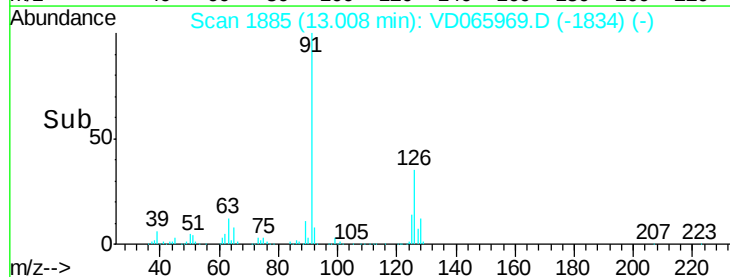
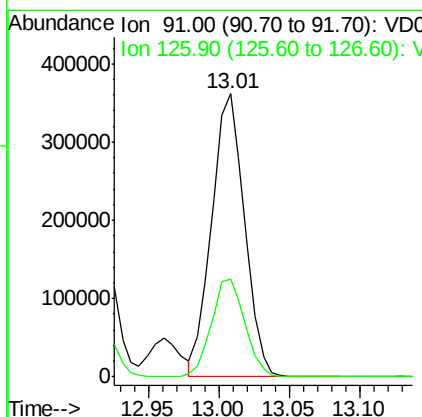
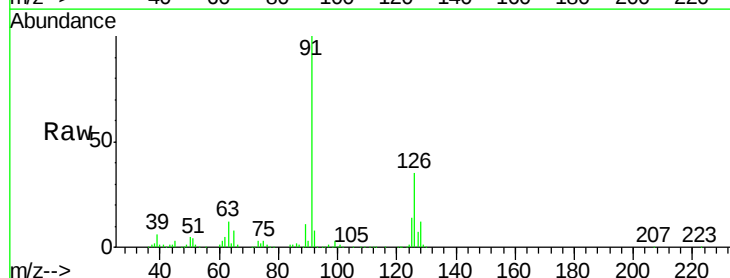
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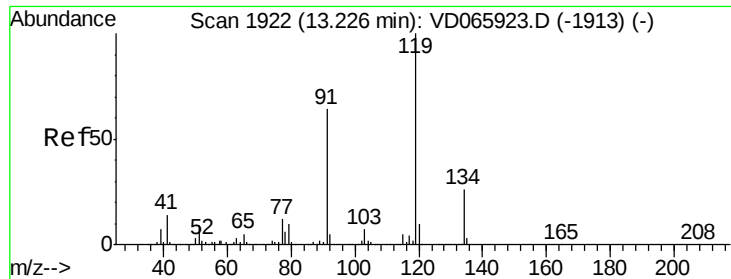
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#82
4-Chlorotoluene
Concen: 50.926 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.3	51.7





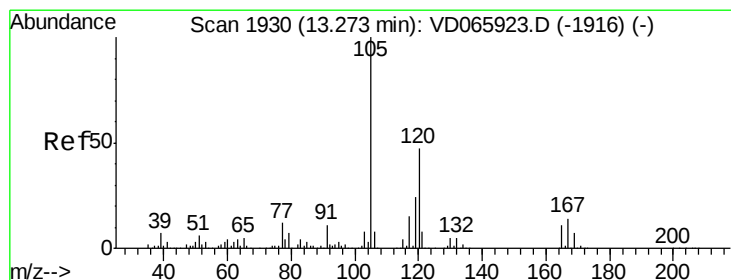
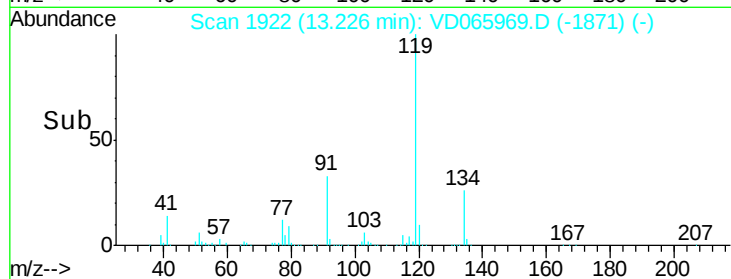
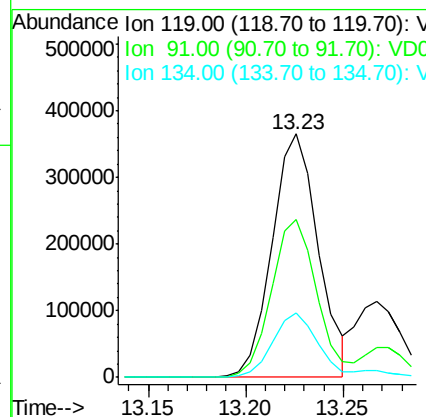
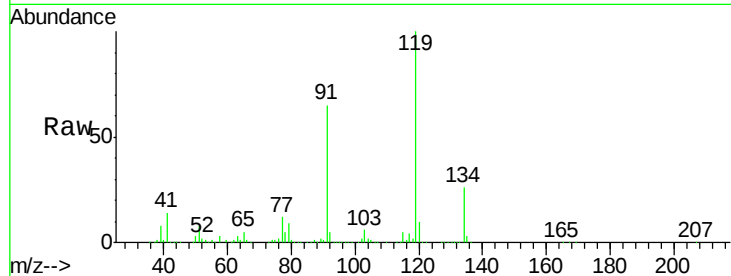
#83
tert-Butylbenzene
Concen: 52.293 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.4	97.2
134	25.7	14.1	42.4

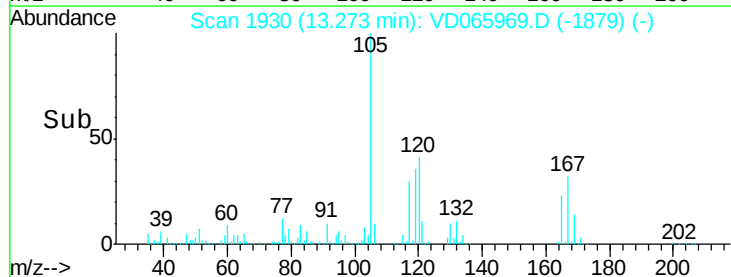
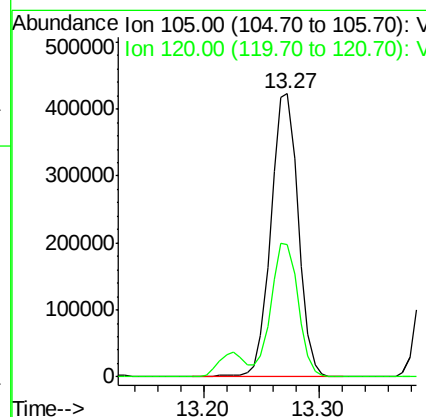
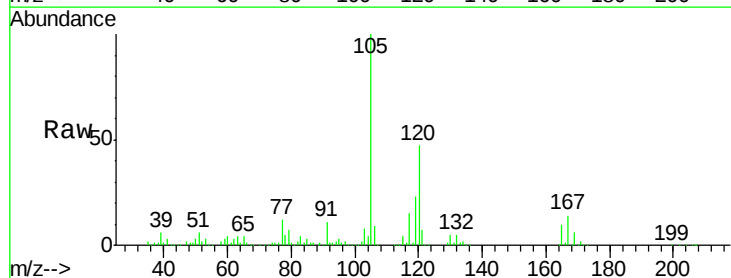
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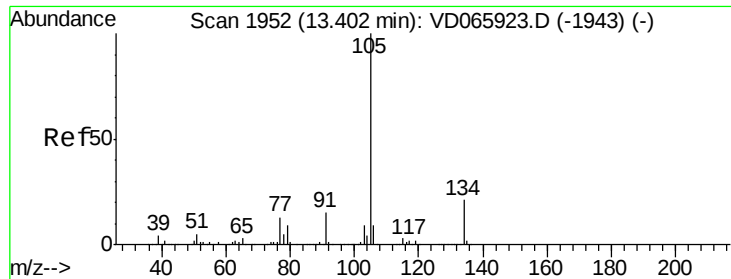
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 52.459 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.5





#85

sec-Butylbenzene

Concen: 50.944 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 827052

Ion Ratio Lower Upper

105 100

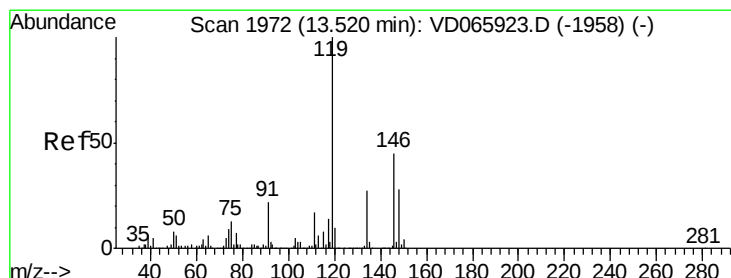
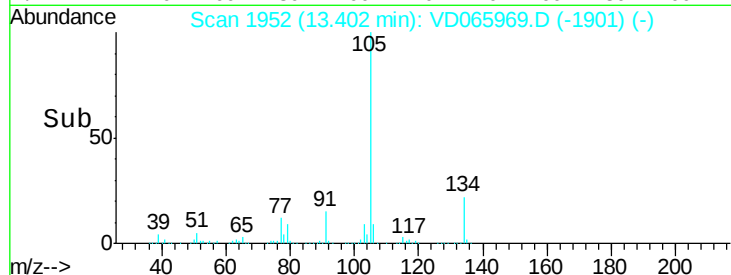
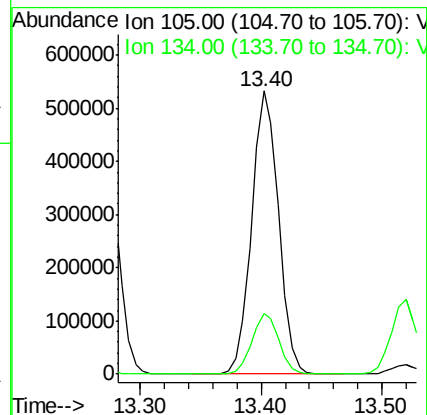
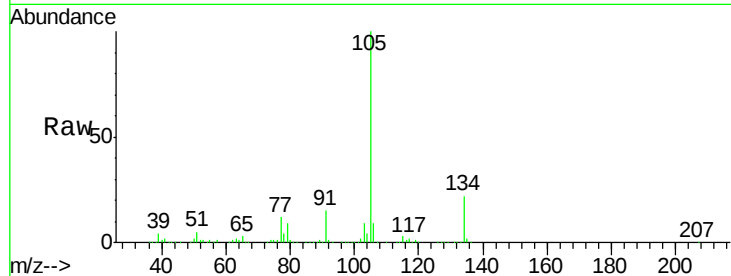
134 21.3 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 51.642 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

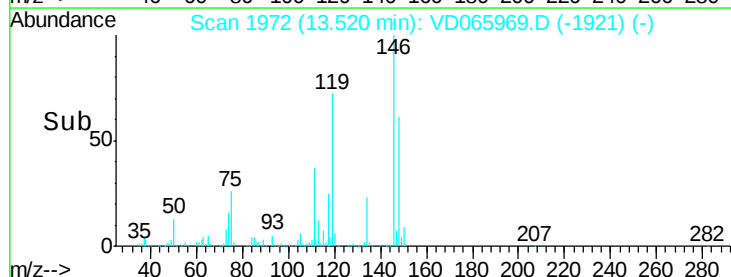
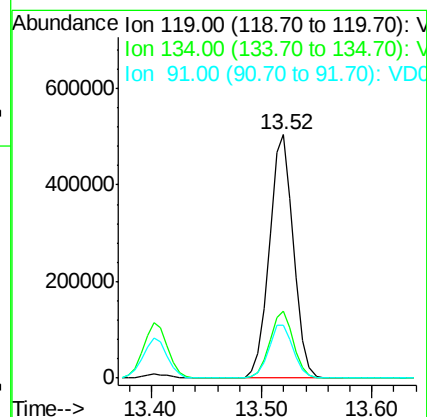
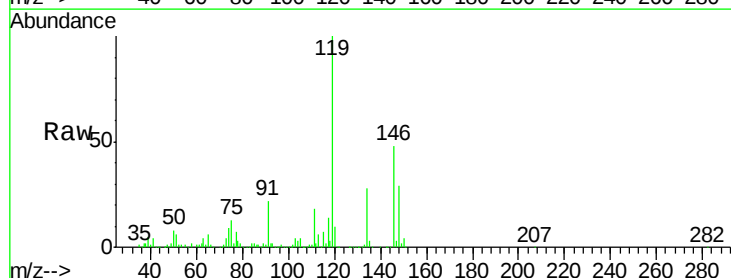
Tgt Ion:119 Resp: 766831

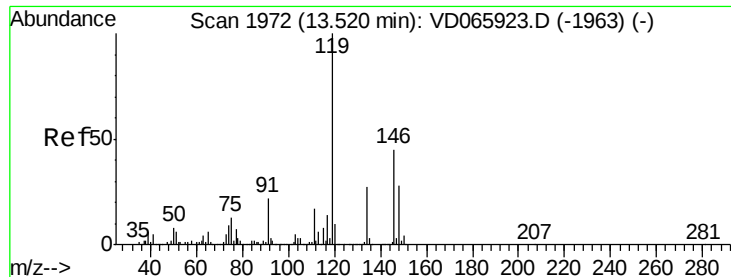
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 22.4 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 52.954 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Instrument :

MSVOA_D

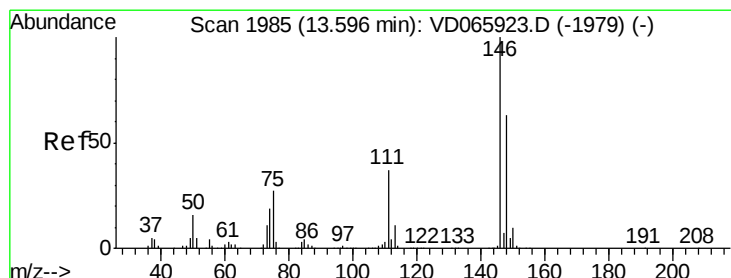
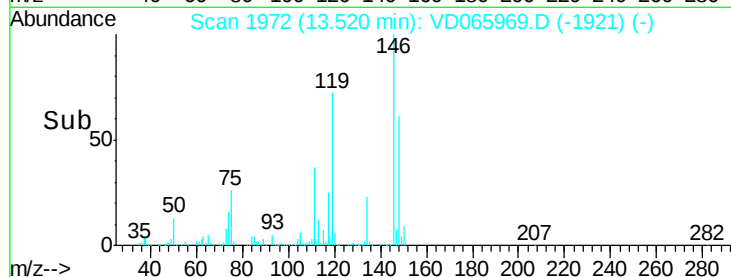
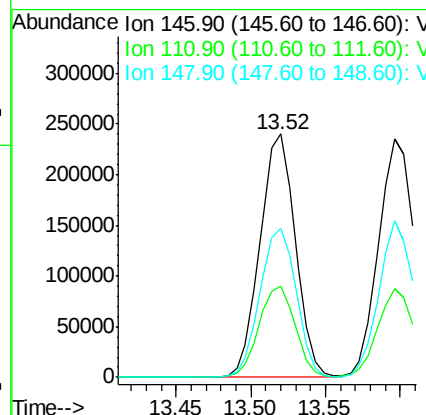
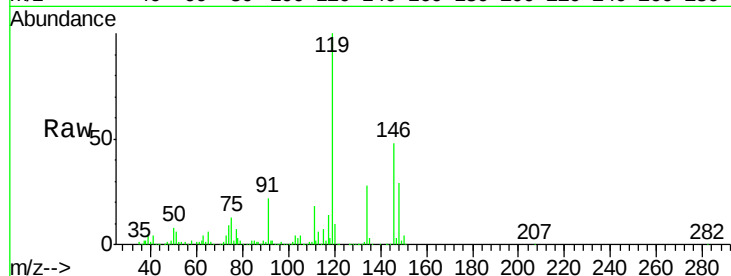
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	395079
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.3	57.8
148	62.5	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 52.385 ug/l

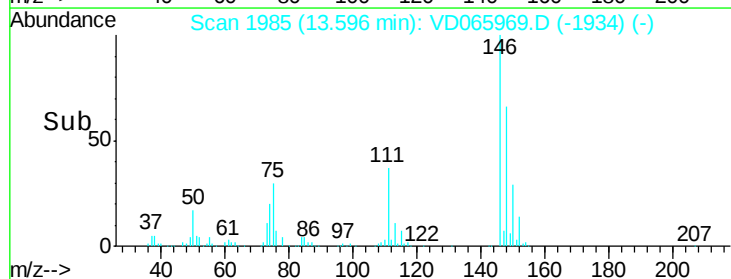
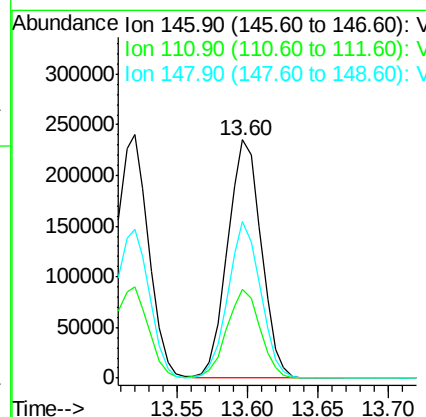
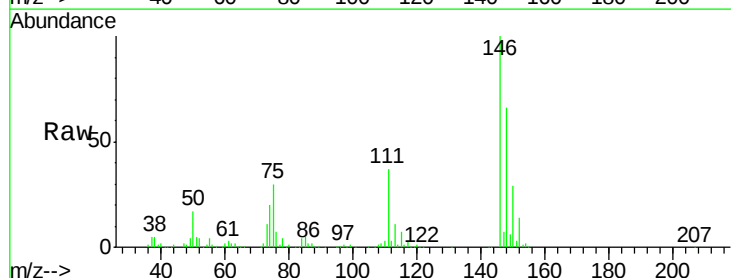
RT: 13.60 min Scan# 1985

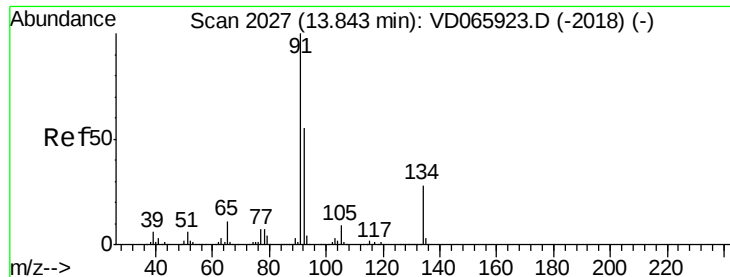
Delta R.T. -0.00 min

Lab File: VD065969.D

Acq: 16 Jul 2020 20:46

Tgt Ion:	146	Resp:	389912
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.9	56.7
148	63.3	32.1	96.3





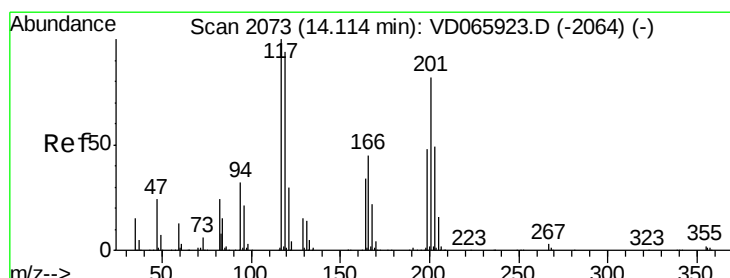
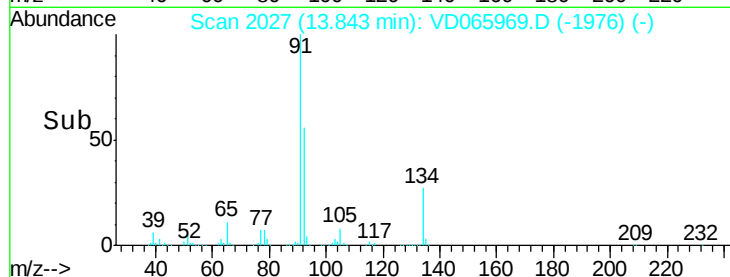
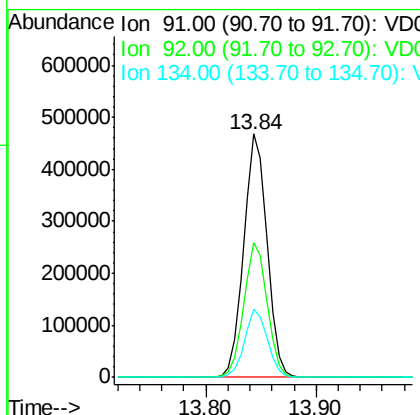
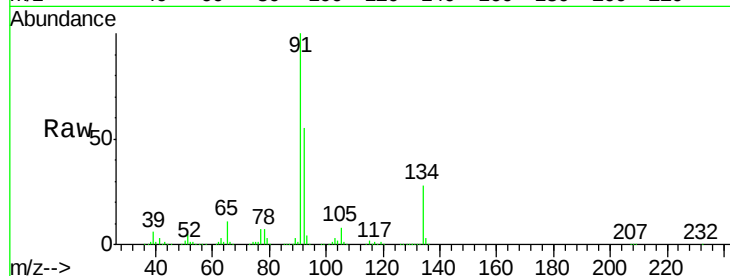
#89
n-Butylbenzene
Concen: 50.009 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.2	81.6
134	27.3	13.8	41.3

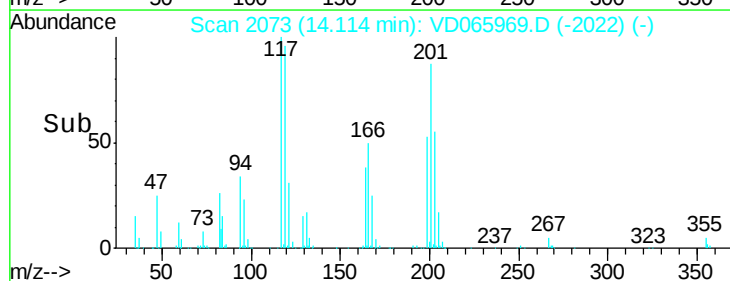
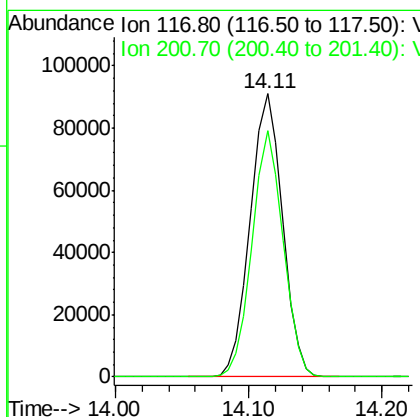
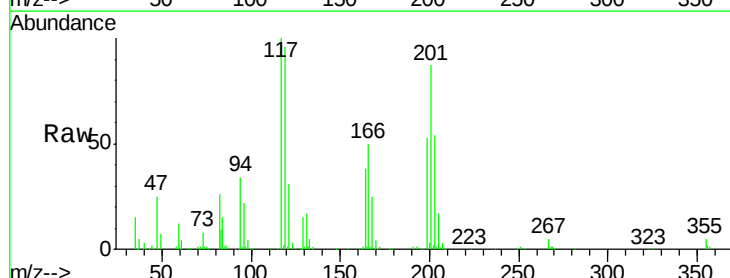
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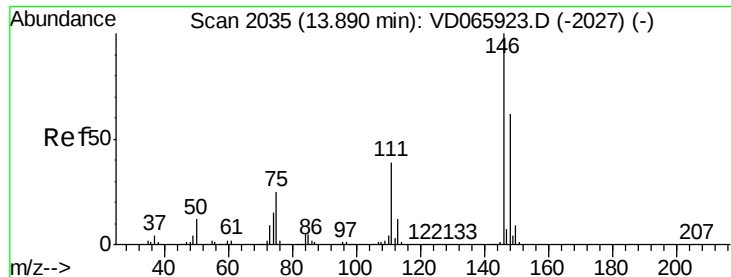
MMDadoda
7/17/2020 4:43:43 PM



#90
Hexachloroethane
Concen: 50.818 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	40.0	120.0





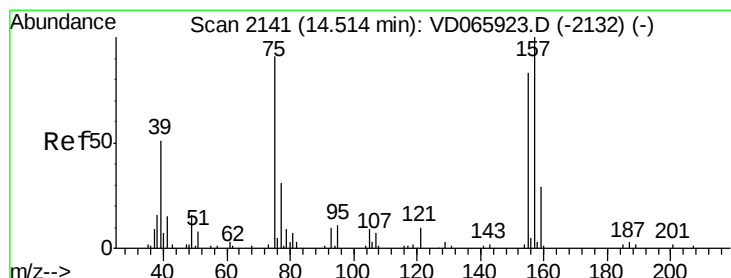
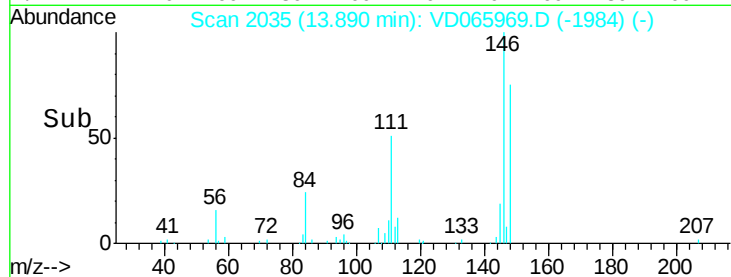
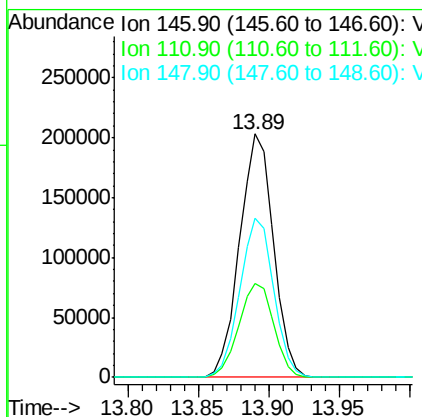
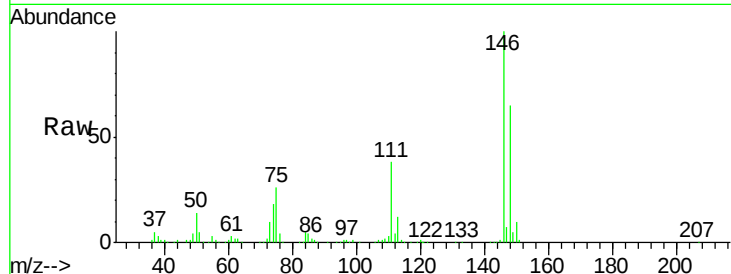
#91
 1,2-Dichlorobenzene
 Concen: 52.358 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	65.2	32.5	97.5

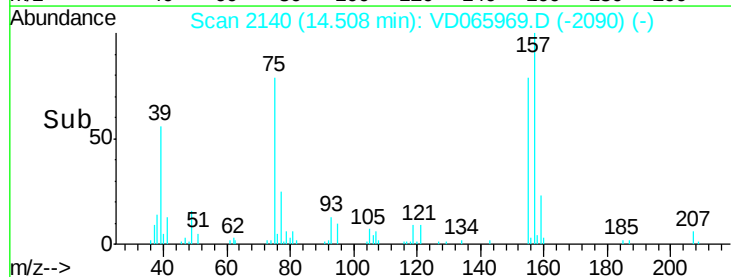
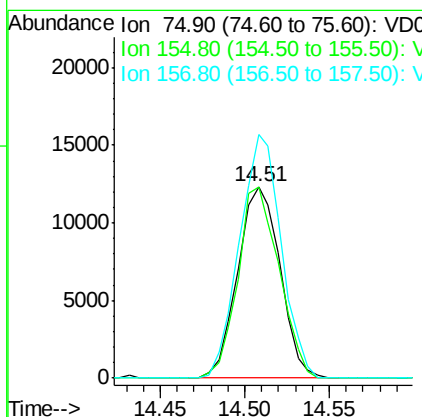
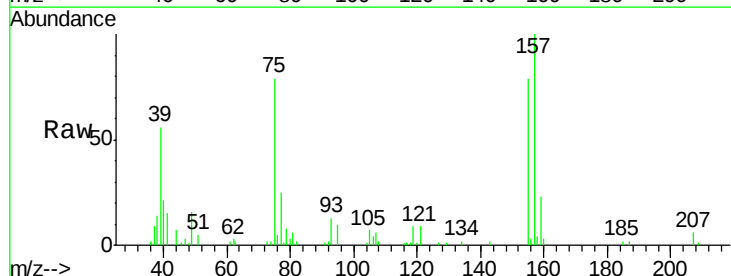
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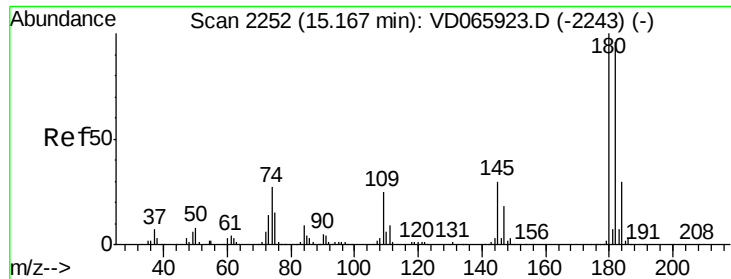
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.027 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.5	45.3	135.8
157	125.5	56.9	170.6





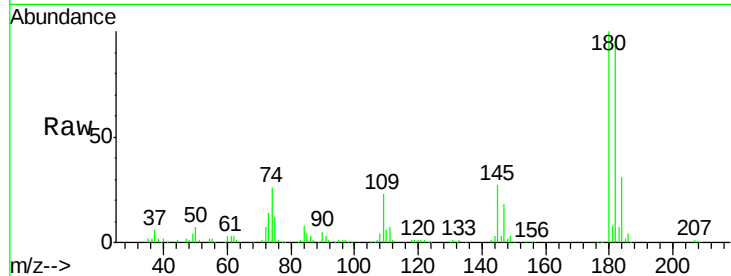
#93
 1,2,4-Trichlorobenzene
 Concen: 53.369 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

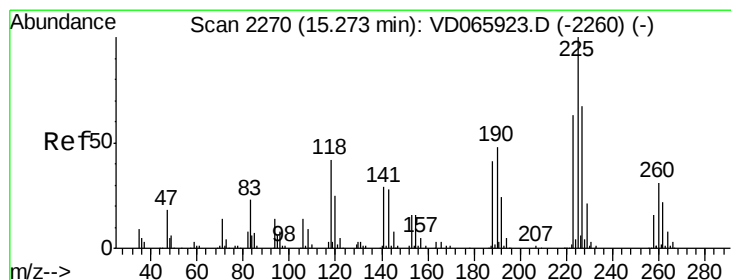
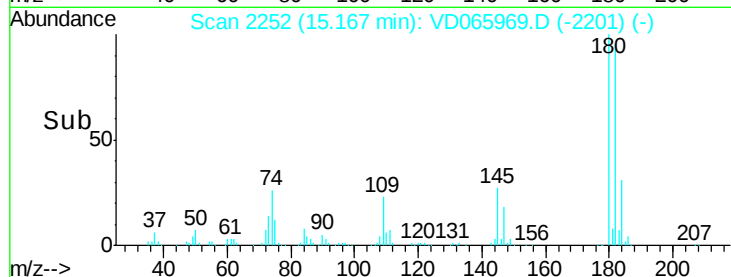
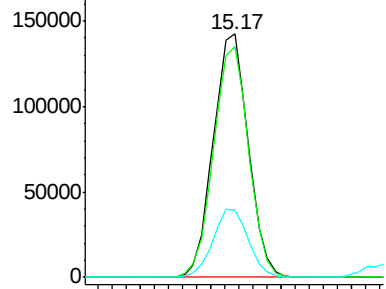
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.5	145.6
145	28.3	15.0	45.1

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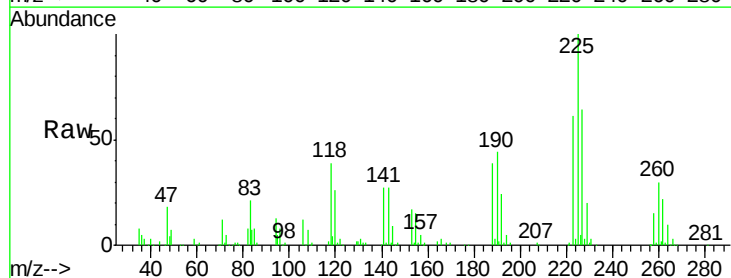


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

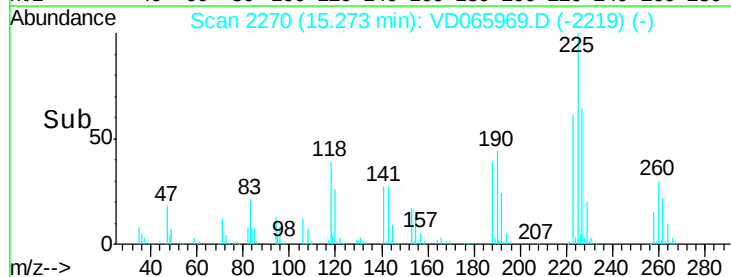
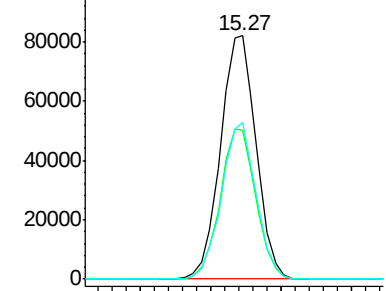


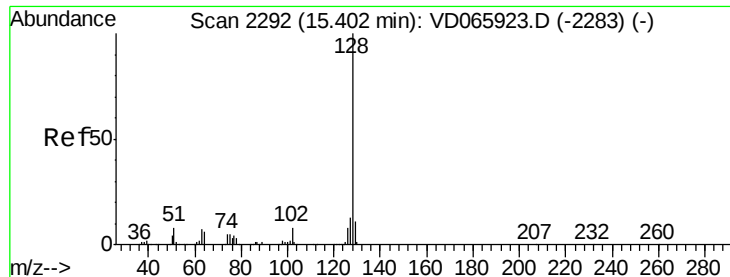
#94
 Hexachlorobutadiene
 Concen: 51.599 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065969.D
 Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.1	93.2
227	62.8	31.6	95.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





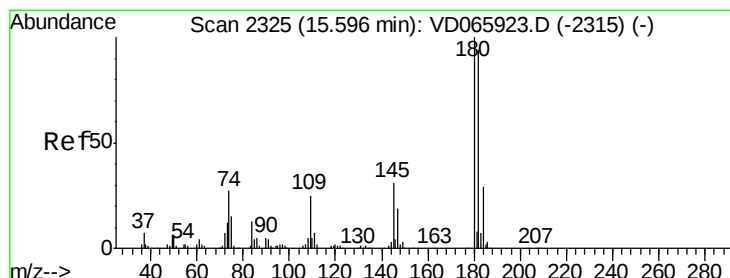
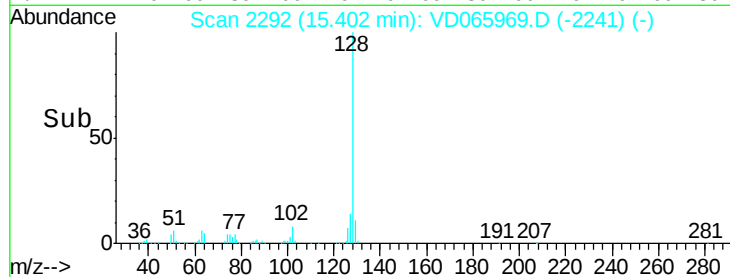
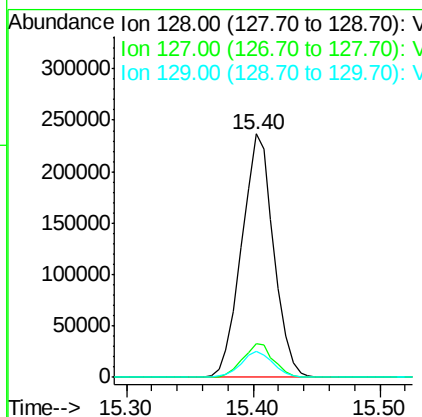
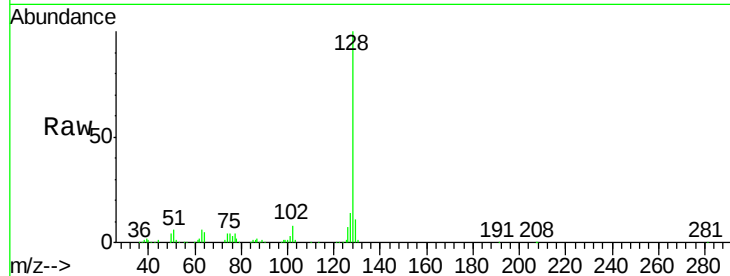
#95
Naphthalene
Concen: 52.967 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	412845		
127	13.5		10.8	16.2
129	10.9		8.9	13.3

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#96
1,2,3-Trichlorobenzene
Concen: 53.497 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VD065969.D
Acq: 16 Jul 2020 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	214452		
182	98.0		47.6	142.8
145	31.4		16.1	48.2

