

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067096.D
 Acq On : 06 Oct 2020 09:47
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:10:01 PM

Quant Time: Oct 07 01:24:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	439288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	642358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	583115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	199467	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	7.91	113	216379	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.34	98	786734	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.63	95	265302	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	201172	57.644	ug/l	99
3) Chloromethane	2.21	50	147677	42.213	ug/l	96
4) Vinyl Chloride	2.35	62	161225	45.961	ug/l	99
5) Bromomethane	2.77	94	112270	49.621	ug/l	97
6) Chloroethane	2.92	64	96921	45.369	ug/l	94
7) Trichlorofluoromethane	3.27	101	384344	49.316	ug/l	99
8) Diethyl Ether	3.71	74	92505	47.865	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	220528	50.063	ug/l	97
10) Methyl Iodide	4.30	142	200370	46.813	ug/l	99
11) Tert butyl alcohol	5.21	59	55320	216.594	ug/l	100
12) 1,1-Dichloroethene	4.07	96	200497	48.417	ug/l	97
13) Acrolein	3.92	56	71709	253.102	ug/l	100
14) Allyl chloride	4.71	41	253661	47.152	ug/l	98
15) Acrylonitrile	5.42	53	170033	239.047	ug/l	99
16) Acetone	4.16	43	195241	302.279	ug/l	99
17) Carbon Disulfide	4.41	76	603890	47.518	ug/l	98
18) Methyl Acetate	4.71	43	77693	47.859	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	385853	51.042	ug/l	94
20) Methylene Chloride	4.96	84	229290	50.030	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	234549	49.770	ug/l	97
22) Diisopropyl ether	6.36	45	468974	47.751	ug/l	96
23) Vinyl Acetate	6.30	43	1380775	248.103	ug/l	99
24) 1,1-Dichloroethane	6.26	63	364380	48.074	ug/l	99
25) 2-Butanone	7.21	43	207336	226.416	ug/l	93
26) 2,2-Dichloropropane	7.20	77	347280	53.905	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	250165	49.704	ug/l	98
28) Bromochloromethane	7.54	49	131643	44.974	ug/l	93
29) Tetrahydrofuran	7.56	42	124634	236.705	ug/l	93
30) Chloroform	7.71	83	404354	49.179	ug/l	99
31) Cyclohexane	7.98	56	298510	46.977	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	389288	51.088	ug/l	97
36) 1,1-Dichloropropene	8.11	75	312834	52.248	ug/l	98
37) Ethyl Acetate	7.29	43	99863	48.145	ug/l	97
38) Carbon Tetrachloride	8.10	117	354797	54.766	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	350743	55.408	ug/l	99
40) Benzene	8.35	78	858189	51.603	ug/l	99
41) Methacrylonitrile	7.52	41	60287	53.799	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	237075	51.016	ug/l	99
43) Isopropyl Acetate	8.45	43	192203	50.299	ug/l	99
44) Trichloroethene	9.11	130	269109	54.190	ug/l	97
45) 1,2-Dichloropropane	9.38	63	207606	53.129	ug/l	97
46) Dibromomethane	9.47	93	120639	53.716	ug/l	98
47) Bromodichloromethane	9.66	83	309738	53.055	ug/l	96
48) Methyl methacrylate	9.46	41	94505	48.275	ug/l #	82
49) 1,4-Dioxane	9.46	88	24101	1028.213	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	493460	259.263	ug/l	99
52) Toluene	10.40	92	567622	52.985	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	277696	53.223	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	335227	52.615	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	161430	51.700	ug/l	93
56) Ethyl methacrylate	10.66	69	184653	57.279	ug/l	99
57) 1,3-Dichloropropane	10.94	76	265037	52.344	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	477531	266.142	ug/l	96
59) 2-Hexanone	10.98	43	351729	276.874	ug/l	97
60) Dibromochloromethane	11.14	129	226597	54.448	ug/l	98
61) 1,2-Dibromoethane	11.24	107	158549	52.853	ug/l	98
64) Tetrachloroethene	10.87	164	223868	52.808	ug/l	96
65) Chlorobenzene	11.67	112	616599	53.167	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	239225	54.228	ug/l	98
67) Ethyl Benzene	11.74	91	1093693	55.040	ug/l	98
68) m/p-Xylenes	11.86	106	832485	107.500	ug/l	98
69) o-Xylene	12.18	106	379318	54.774	ug/l	96
70) Styrene	12.20	104	653272	54.936	ug/l	99
71) Bromoform	12.36	173	127042	55.478	ug/l #	99
73) Isopropylbenzene	12.48	105	1085482	55.741	ug/l	100
74) N-amyl acetate	12.29	43	173802	49.648	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	163758	49.911	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	109030m	43.646	ug/l	
77) Bromobenzene	12.76	156	250084	53.185	ug/l	96
78) n-propylbenzene	12.82	91	1262519	54.858	ug/l	99
79) 2-Chlorotoluene	12.91	91	697270	52.953	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	913876	55.545	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	52606	52.502	ug/l	97
82) 4-Chlorotoluene	13.01	91	737312	52.629	ug/l	99
83) tert-Butylbenzene	13.23	119	765443	55.247	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	907163	55.249	ug/l	98
85) sec-Butylbenzene	13.40	105	1071761	54.930	ug/l	100
86) p-Isopropyltoluene	13.52	119	1006788	55.657	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	484263	52.873	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	473132	51.663	ug/l	99
89) n-Butylbenzene	13.85	91	917672	55.509	ug/l	99
90) Hexachloroethane	14.11	117	170094	53.681	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	414125	51.773	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26742	50.562	ug/l	96

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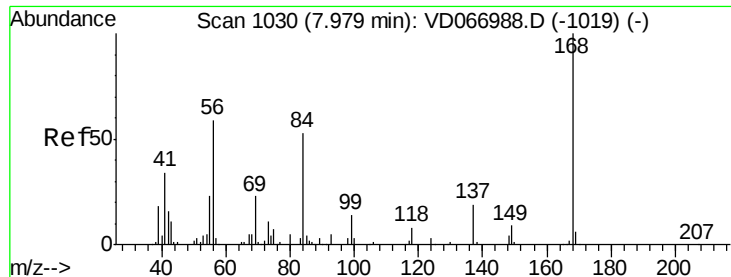
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	293774	56.780	ug/l	99
94) Hexachlorobutadiene	15.27	225	178082	56.044	ug/l	99
95) Naphthalene	15.41	128	498566	57.772	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	253928	56.536	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 439288

Ion Ratio Lower Upper

168 100

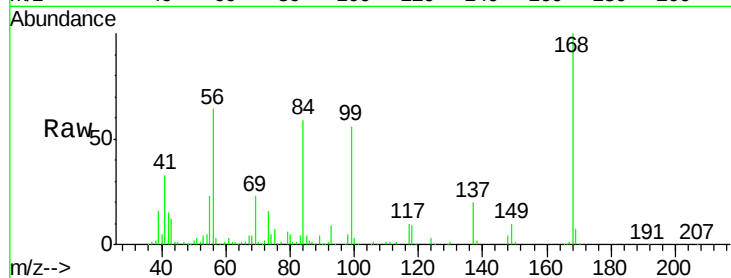
99 55.8 44.1 66.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

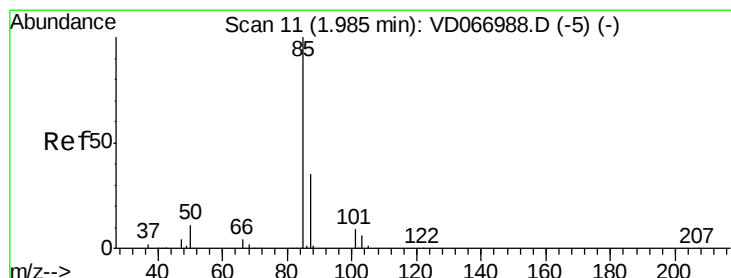
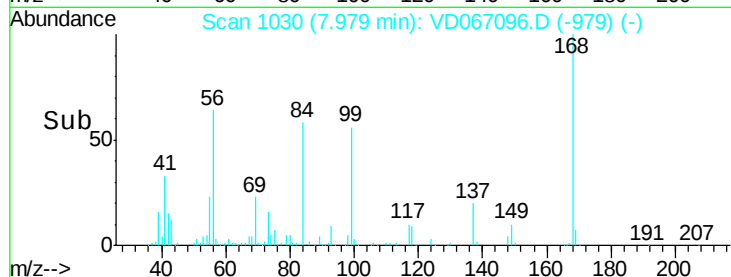
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 57.644 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067096.D

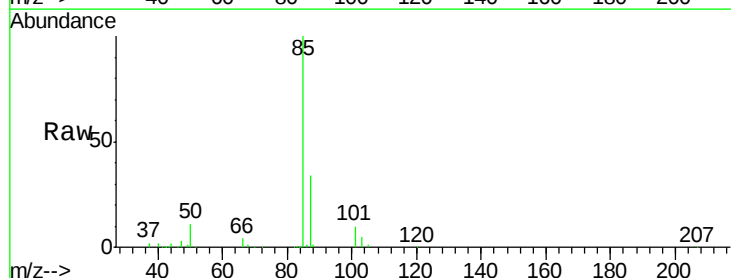
Acq: 06 Oct 2020 09:47

Tgt Ion: 85 Resp: 201172

Ion Ratio Lower Upper

85 100

87 34.3 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

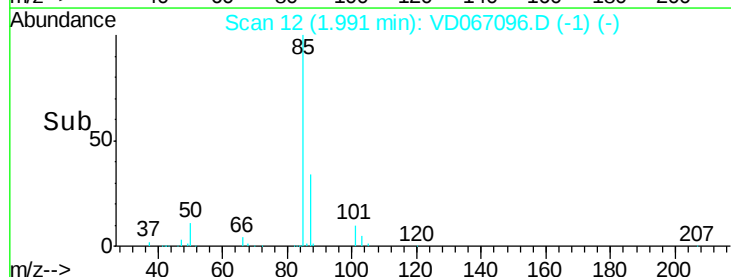
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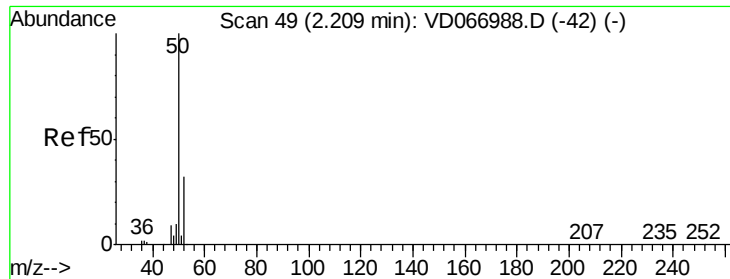
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 42.213 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 147677

Ion Ratio Lower Upper

50 100

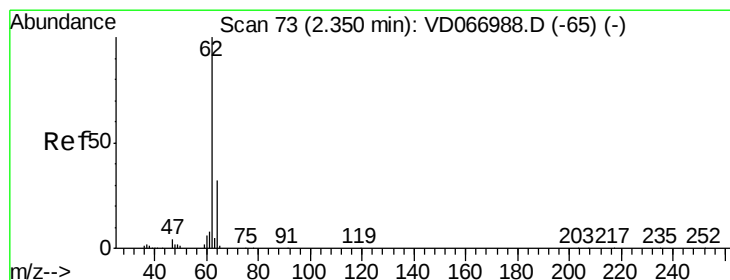
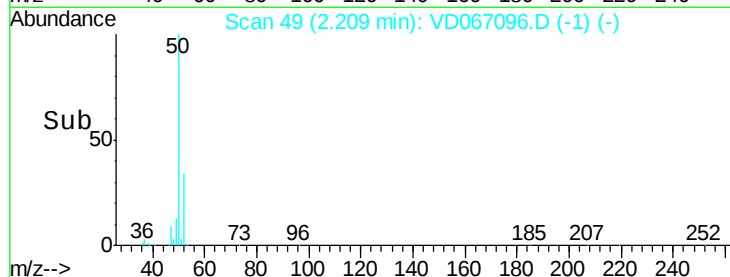
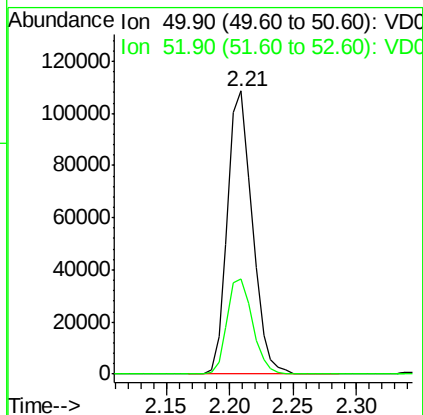
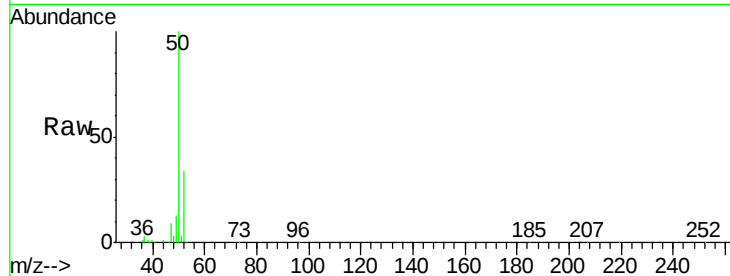
52 33.6 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.961 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067096.D

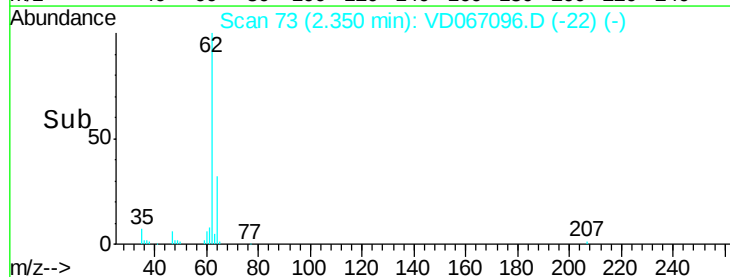
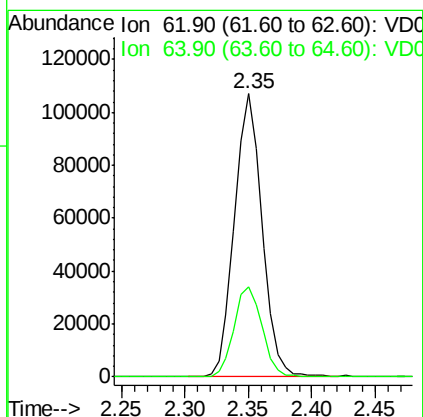
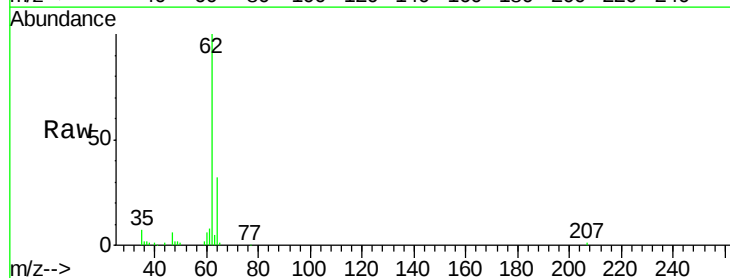
Acq: 06 Oct 2020 09:47

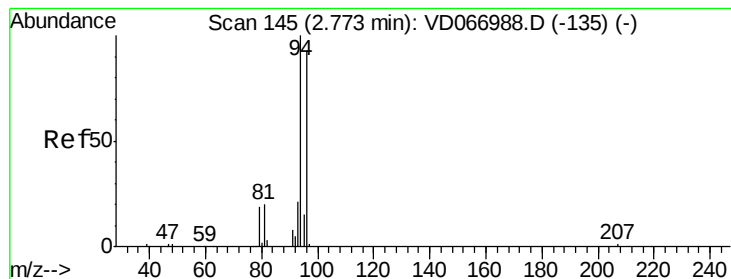
Tgt Ion: 62 Resp: 161225

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8





#5

Bromomethane

Concen: 49.621 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 112270

Ion Ratio Lower Upper

94 100

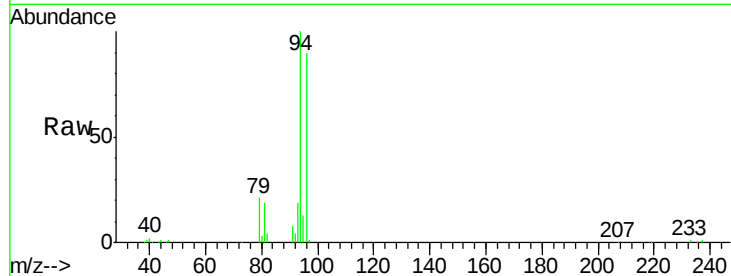
96 90.2 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

60000

50000

40000

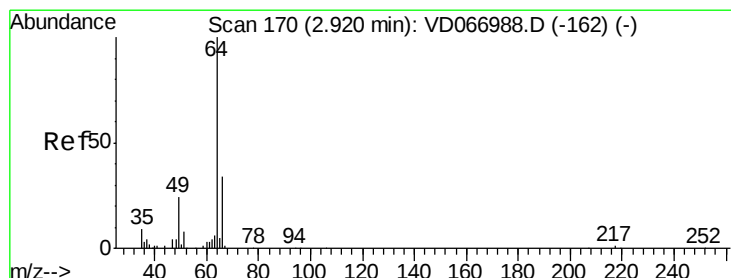
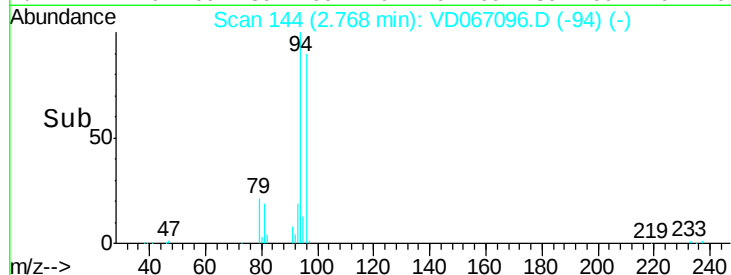
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 45.369 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067096.D

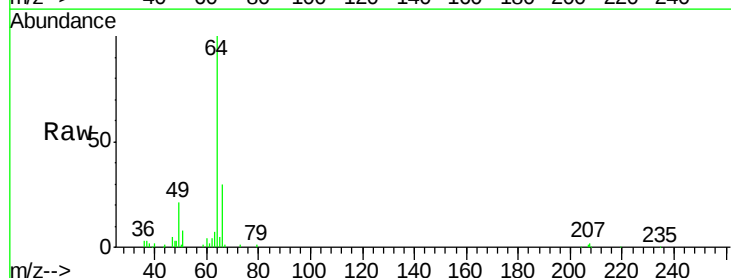
Acq: 06 Oct 2020 09:47

Tgt Ion: 64 Resp: 96921

Ion Ratio Lower Upper

64 100

66 30.3 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

50000

40000

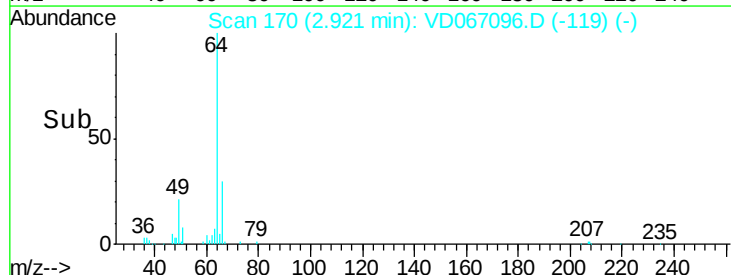
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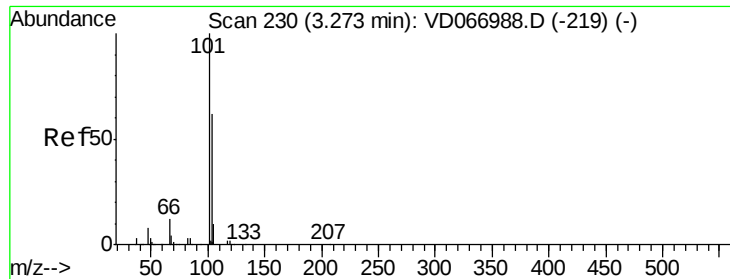
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Time-->





#7

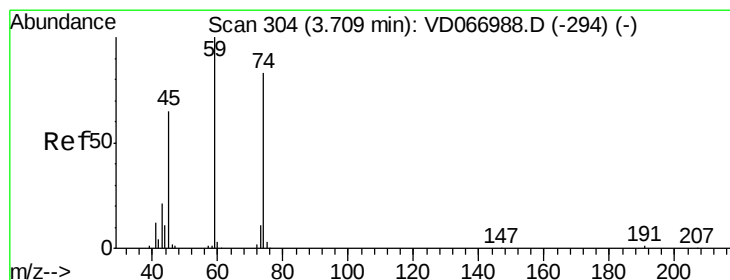
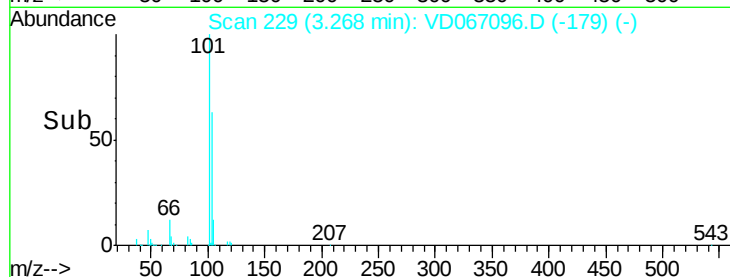
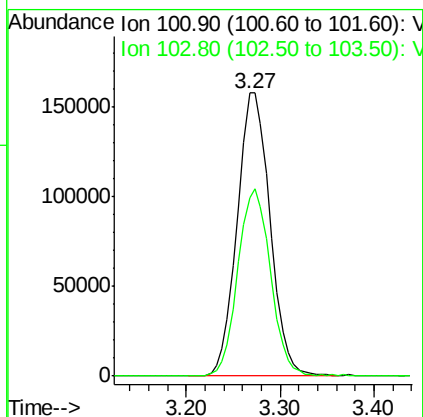
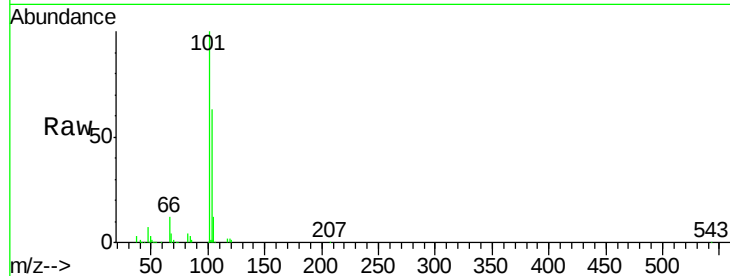
Trichlorofluoromethane
 Concen: 49.316 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	49.8	74.8

Manual Integrations
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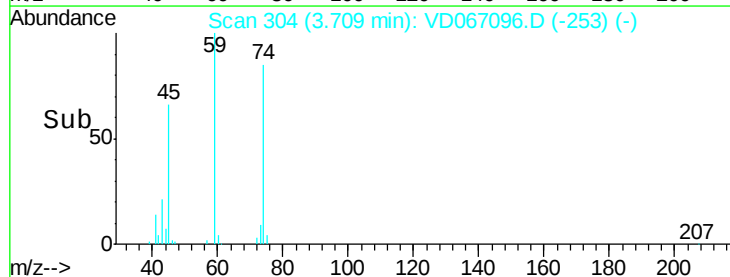
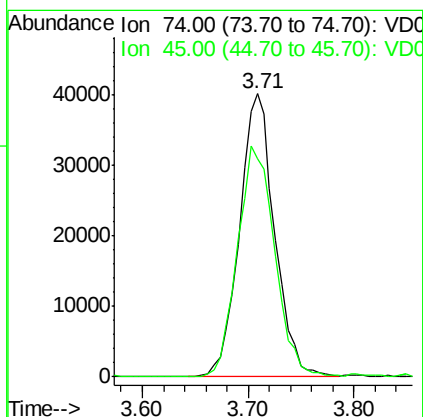
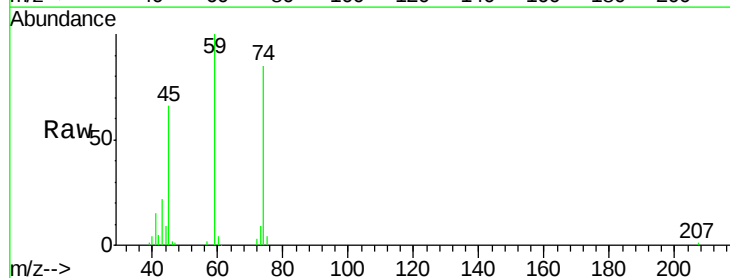
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 10/7/2020 12:10:01 PM

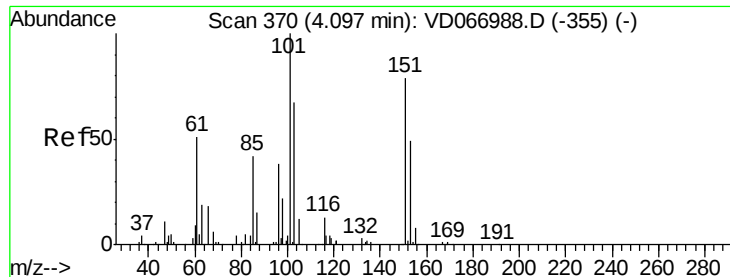


#8

Diethyl Ether
 Concen: 47.865 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.7	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.063 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

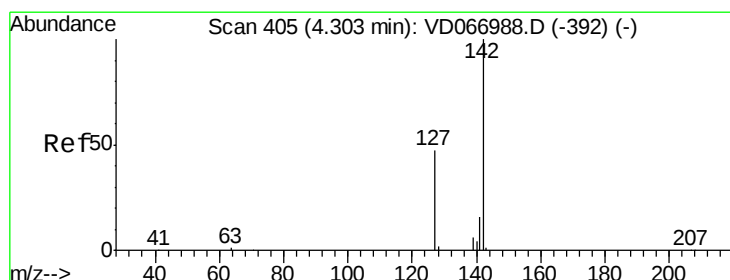
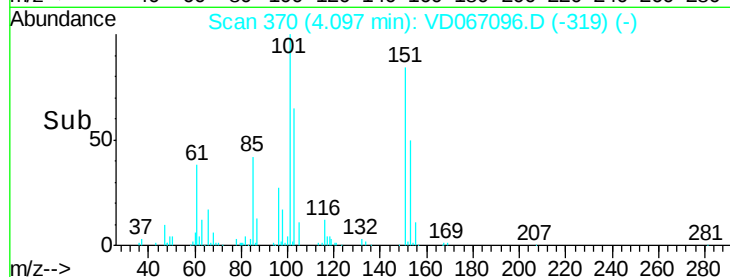
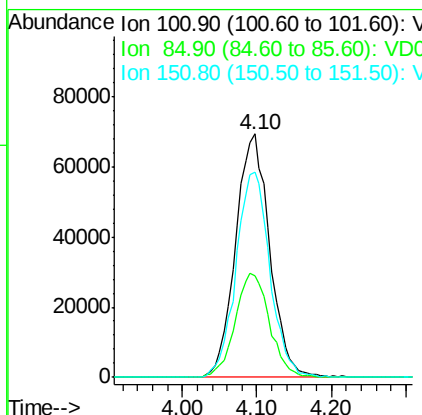
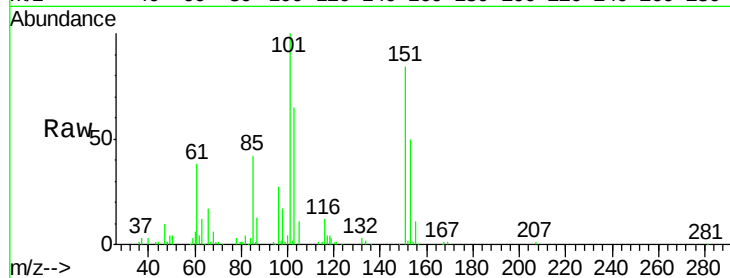
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	220528
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.8	50.8
151	83.5	63.8	95.8

Manual Integrations
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10/7/2020 12:10:01 PM



#10

Methyl Iodide

Concen: 46.813 ug/l

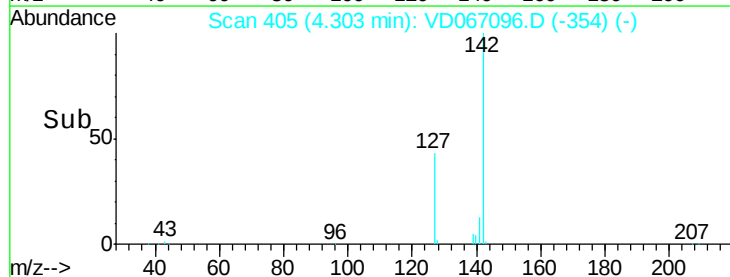
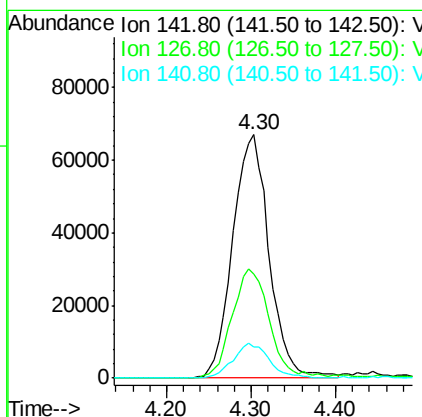
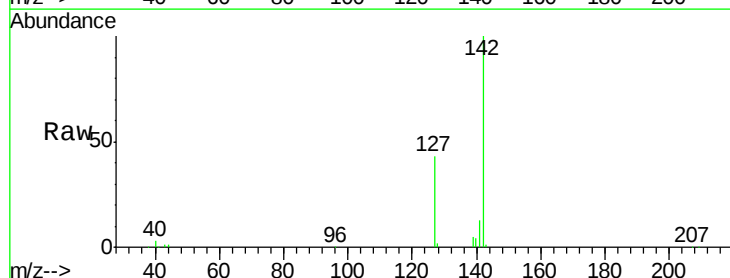
RT: 4.30 min Scan# 405

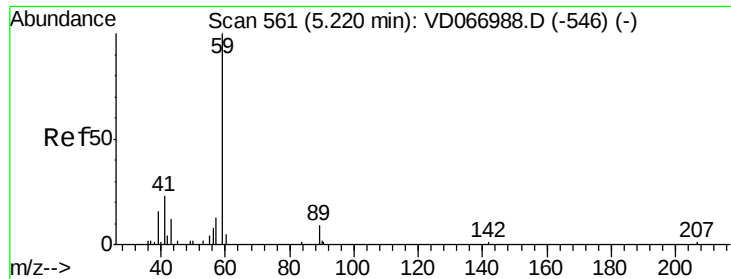
Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Tgt Ion:	142	Resp:	200370
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.3	54.5
141	14.1	12.0	18.0





#11

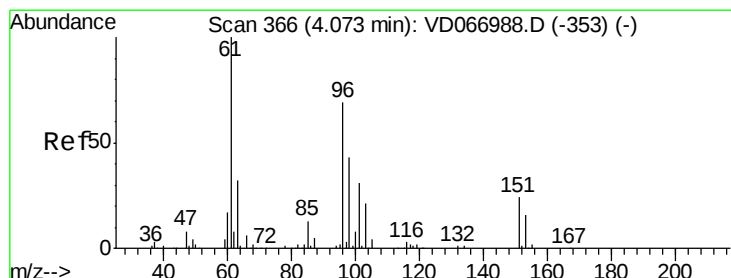
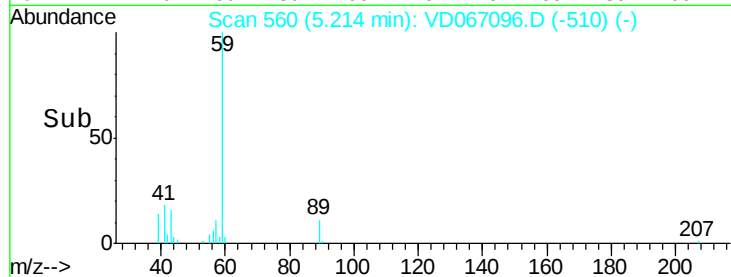
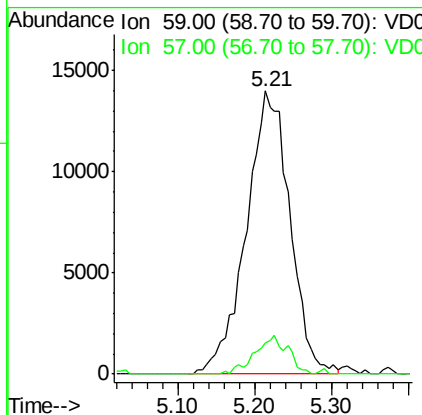
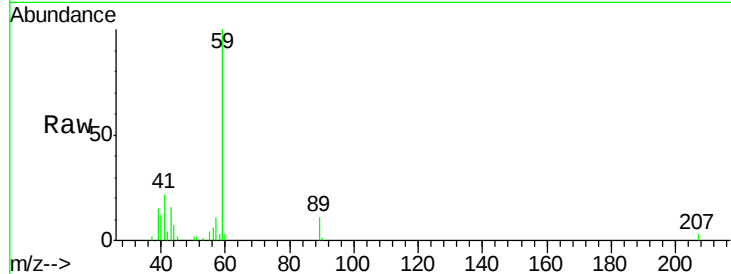
Tert butyl alcohol
 Concen: 216.594 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
57	57	10.3		8.2	12.4

Manual Integrations
 APPROVED

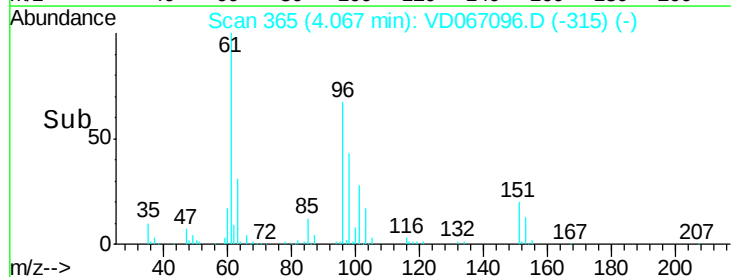
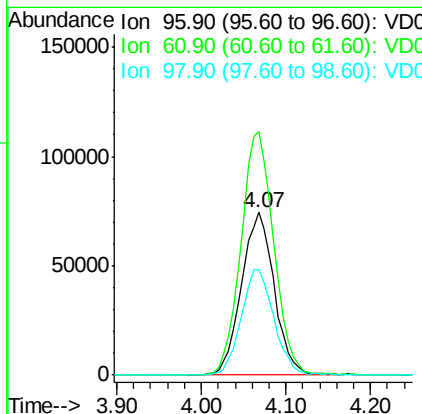
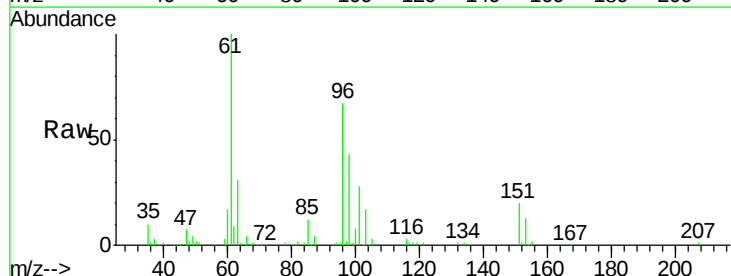
MMDadoda
 10/7/2020 12:10:01 PM

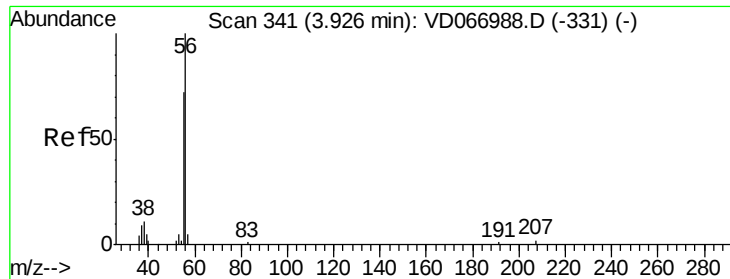


#12

1,1-Dichloroethene
 Concen: 48.417 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	149.8		116.4	174.6
98	98	64.7		49.9	74.9





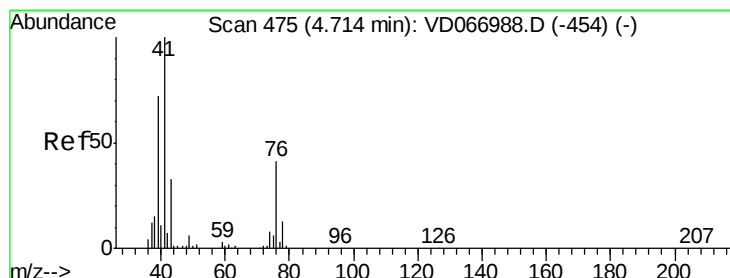
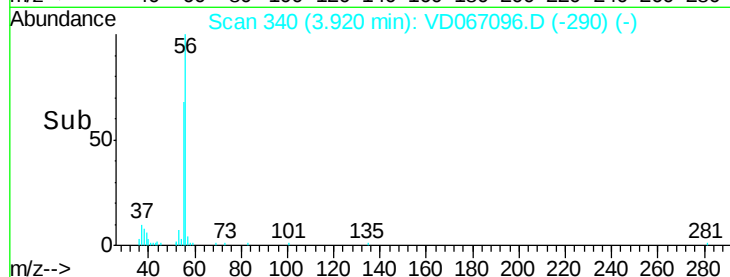
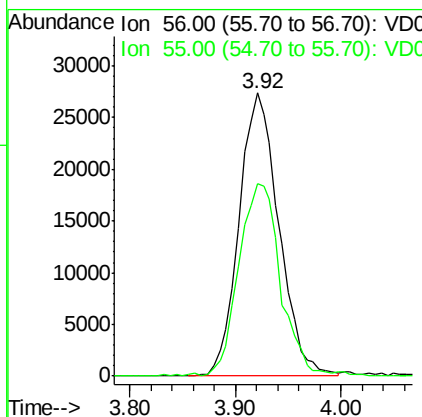
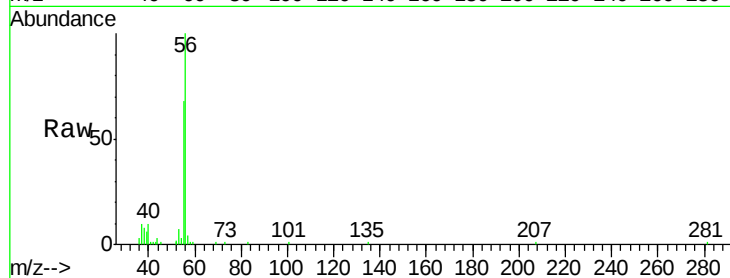
#13
Acrolein
Concen: 253.102 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.9	85.3

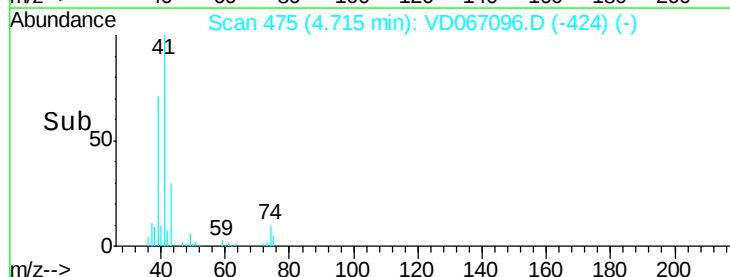
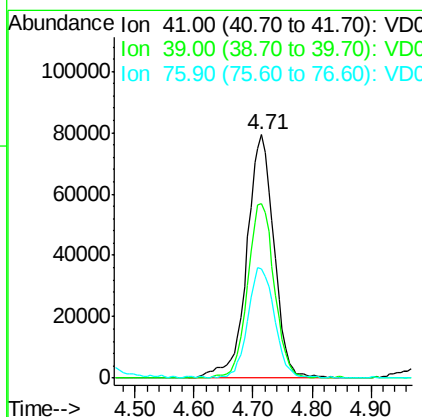
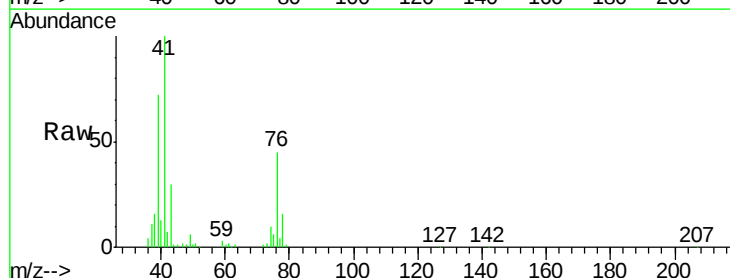
Manual Integrations
APPROVED

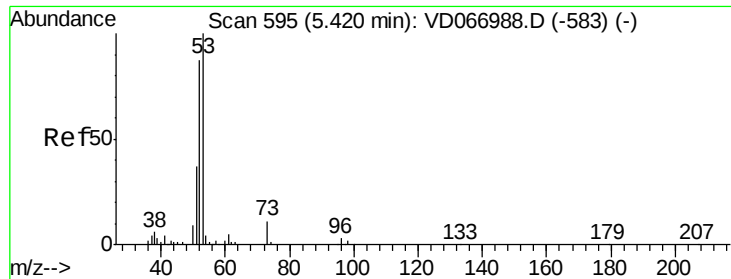
MMDadoda
10/7/2020 12:10:01 PM



#14
Allyl chloride
Concen: 47.152 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.7	56.2	84.2
76	44.6	34.2	51.2





#15

Acrylonitrile

Concen: 239.047 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

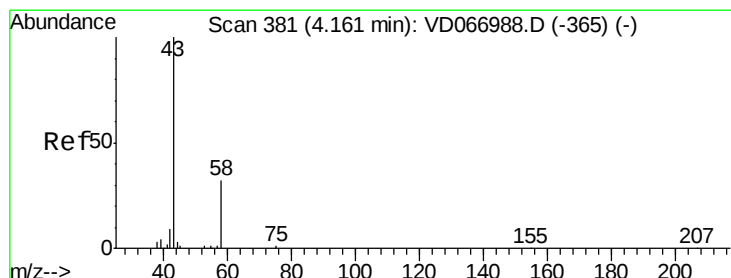
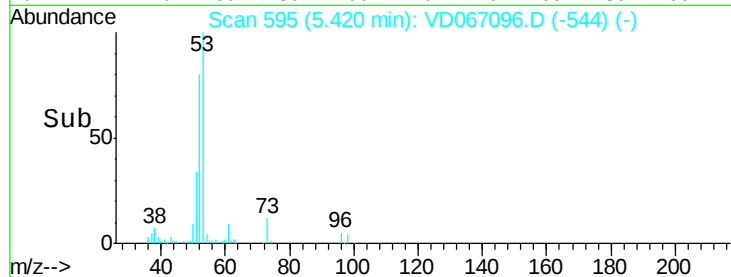
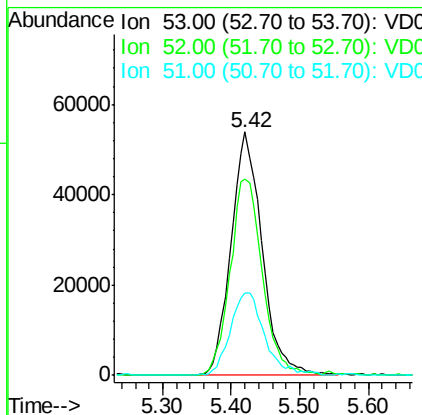
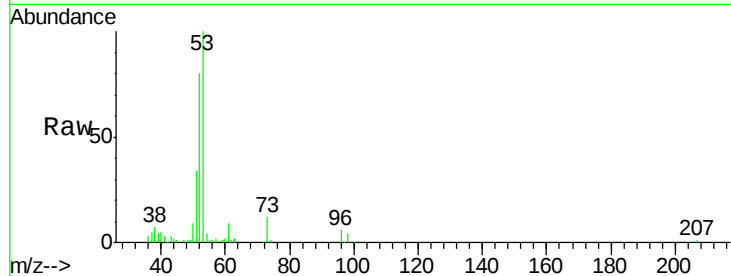
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	170033
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.3	100.9
51	36.7	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 302.279 ug/l

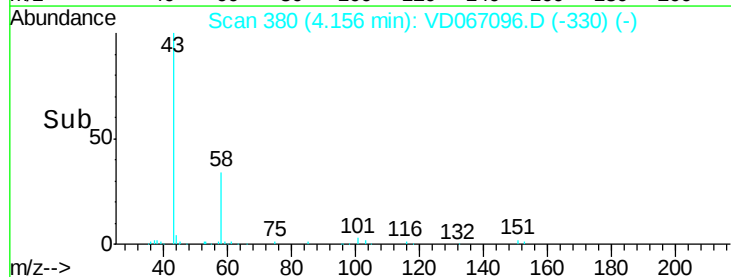
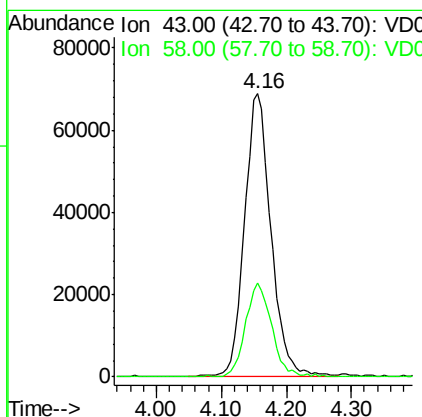
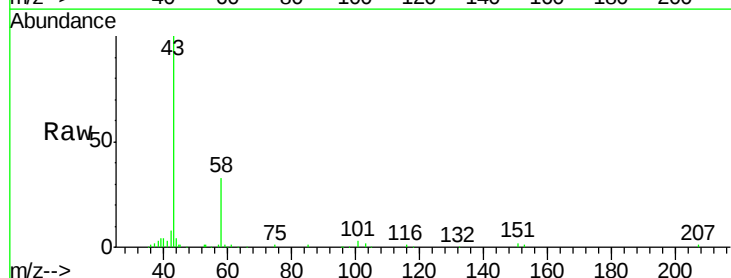
RT: 4.16 min Scan# 380

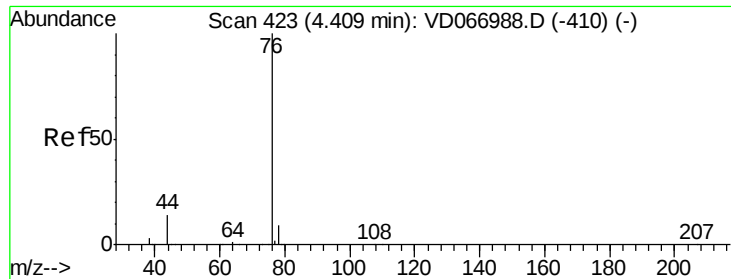
Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Tgt Ion:	43	Resp:	195241
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.9	38.9





#17

Carbon Disulfide

Concen: 47.518 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 603890

Ion Ratio Lower Upper

76 100

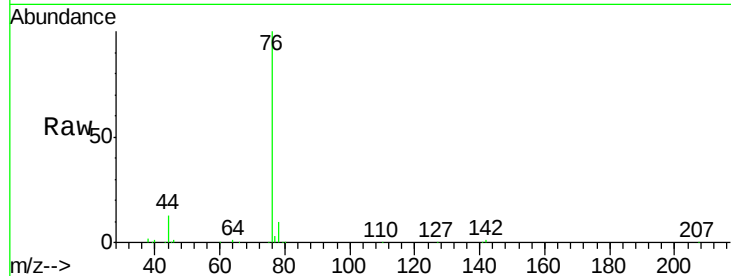
78 10.1 7.5 11.3

Manual Integrations

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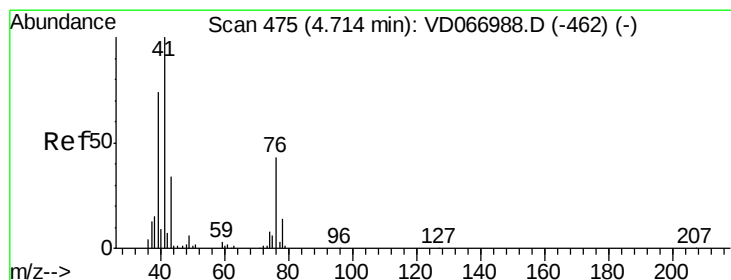
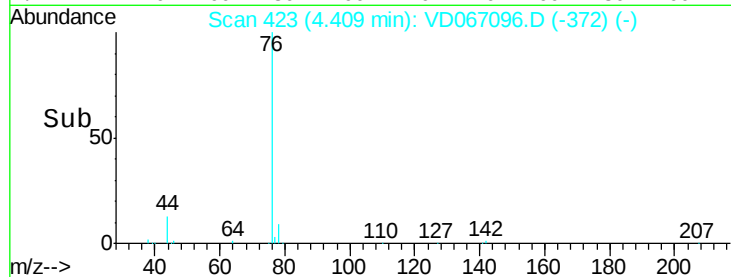
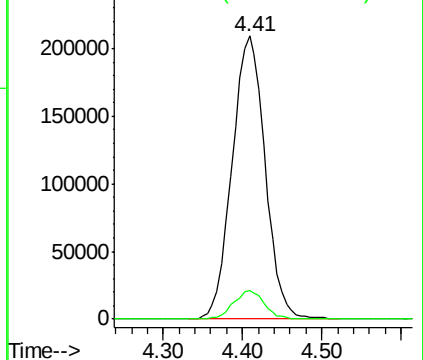
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 47.859 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067096.D

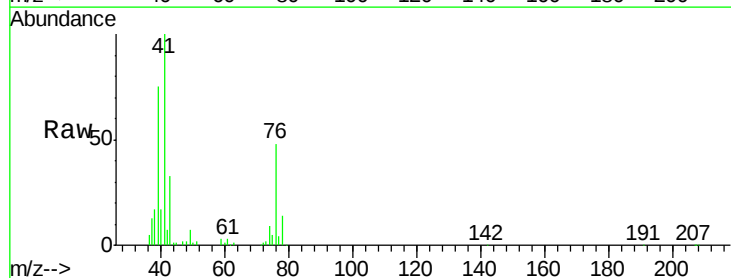
Acq: 06 Oct 2020 09:47

Tgt Ion: 43 Resp: 77693

Ion Ratio Lower Upper

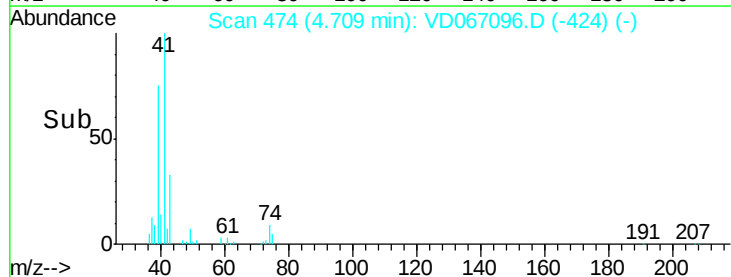
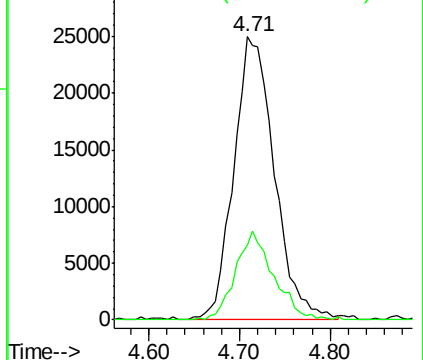
43 100

74 29.4 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





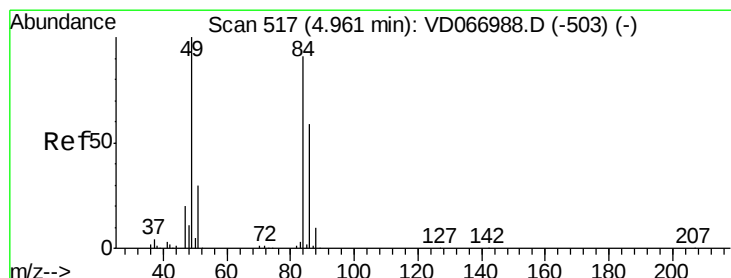
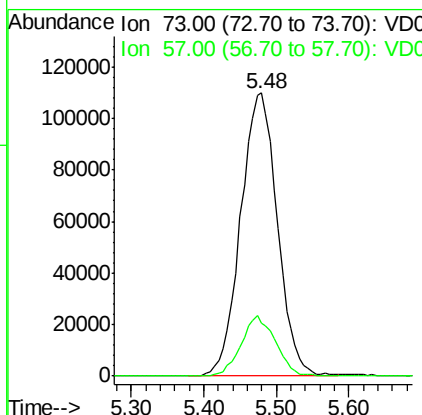
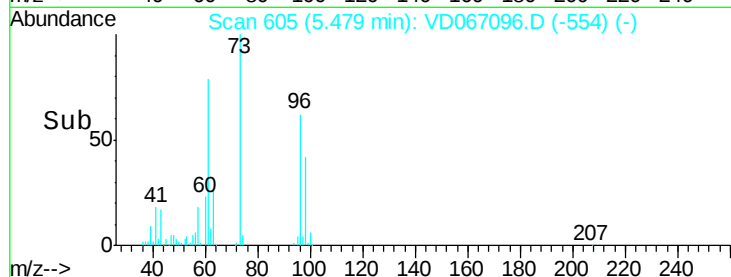
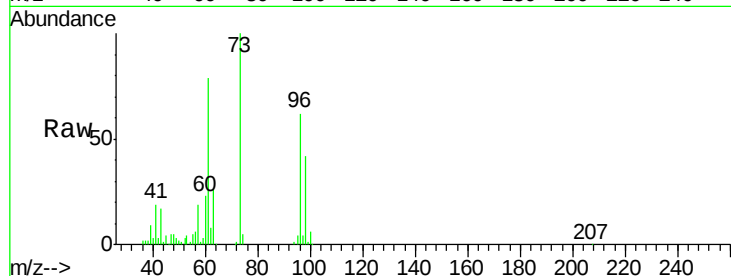
#19
Methyl tert-butyl Ether
Concen: 51.042 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 385853
Ion Ratio Lower Upper
73 100
57 18.8 17.4 26.0

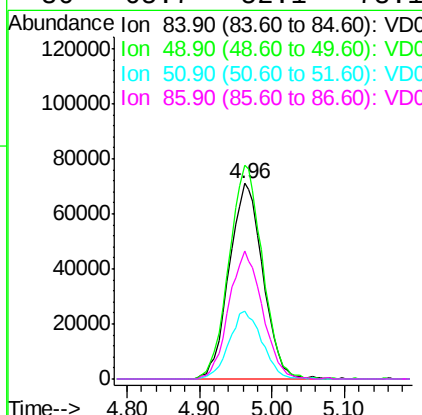
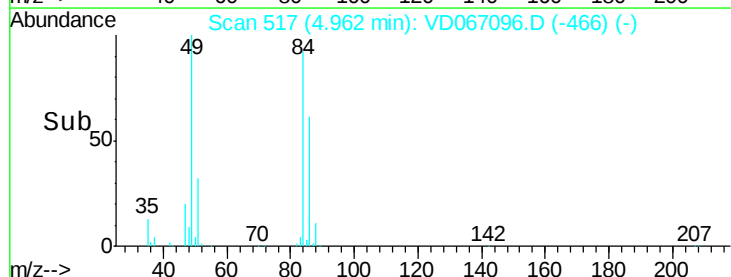
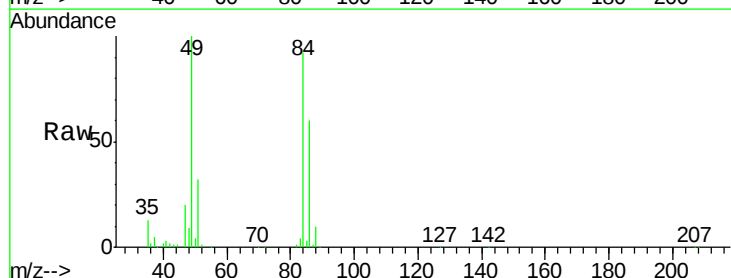
Manual Integrations
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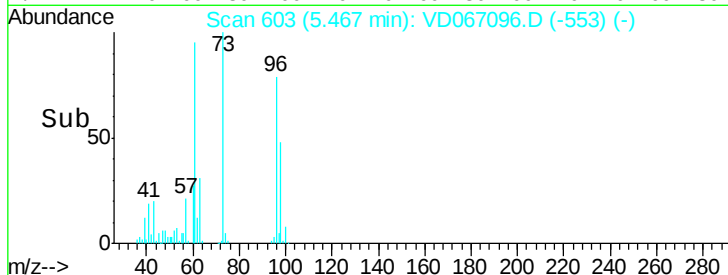
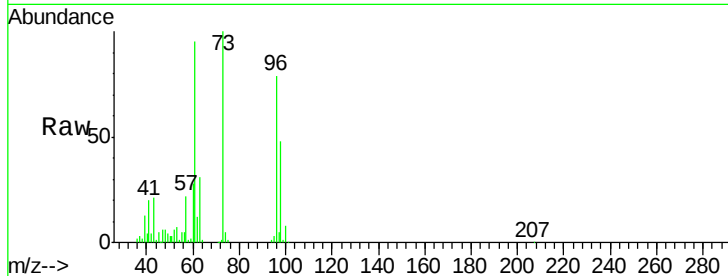
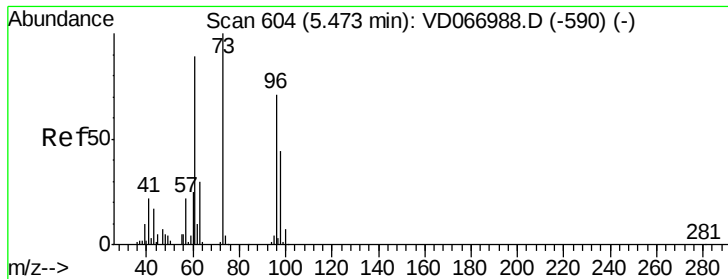
MMDadoda
10/7/2020 12:10:01 PM



#20
Methylene Chloride
Concen: 50.030 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion: 84 Resp: 229290
Ion Ratio Lower Upper
84 100
49 109.1 88.2 132.2
51 35.0 26.6 39.8
86 65.7 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 49.770 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Tot Ion:	96	Resp:	234549
Ion	Ratio	Lower	Upper
96	100		
61	121.2	99.6	149.4
98	60.4	49.4	74.2

Instrument :

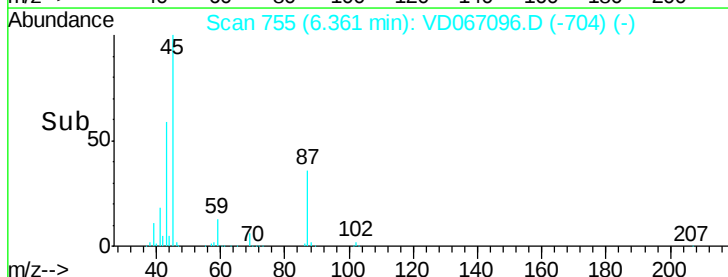
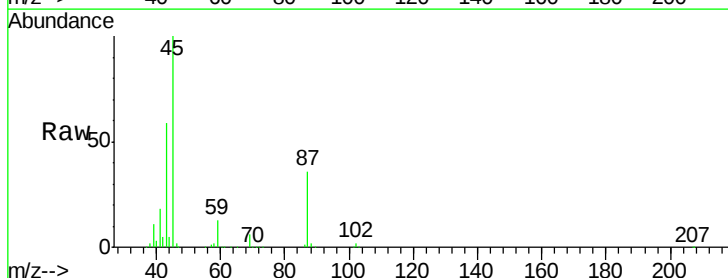
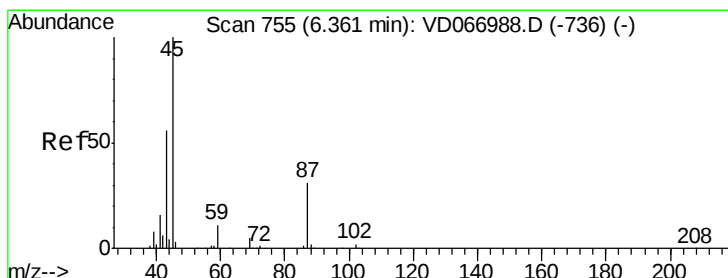
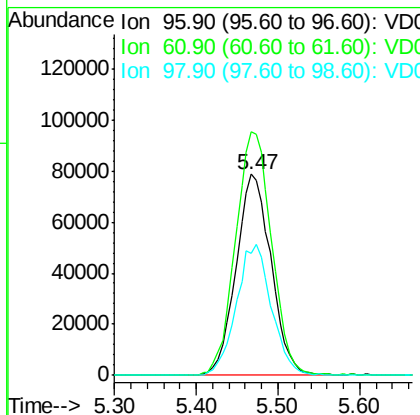
MSVOA_D

ClientSampleId :

VSTDCCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.751 ug/l

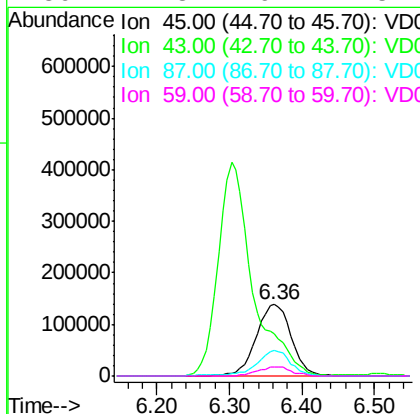
RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Tgt Ion:	45	Resp:	468974
Ion	Ratio	Lower	Upper
45	100		
43	58.2	45.2	67.8
87	35.5	25.6	38.4
59	12.8	9.1	13.7





#23

Vinyl Acetate

Concen: 248.103 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1380775

Ion Ratio Lower Upper

43 100

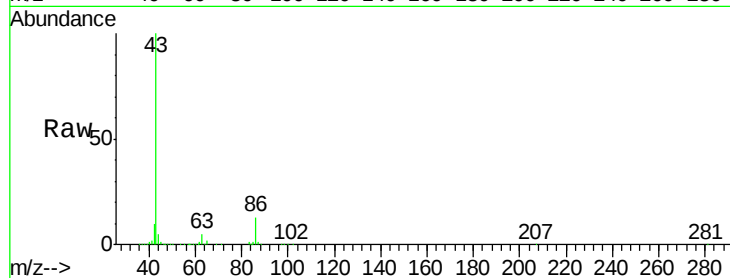
86 13.1 10.2 15.2

Manual Integrations

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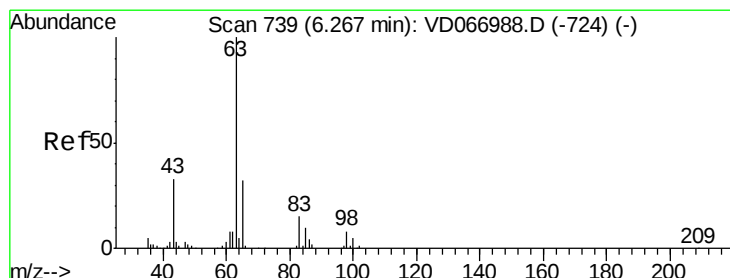
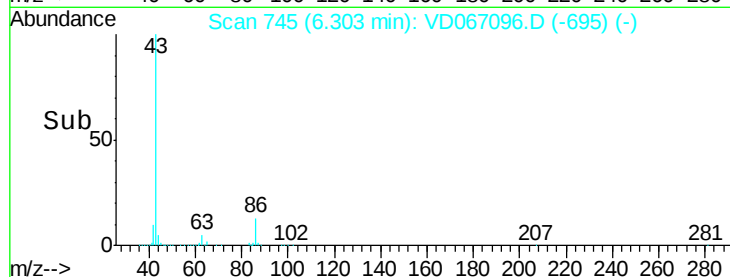
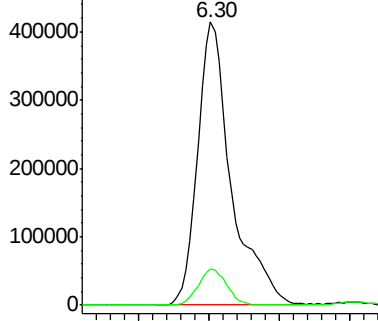
MMDadoda

10/7/2020 12:10:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.074 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

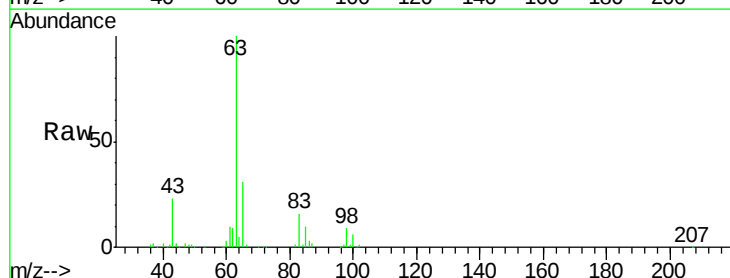
Tgt Ion: 63 Resp: 364380

Ion Ratio Lower Upper

63 100

98 8.7 4.2 12.6

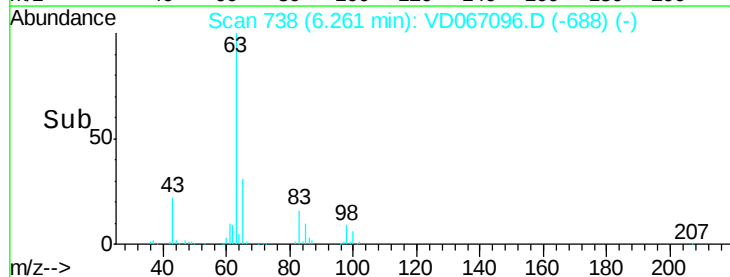
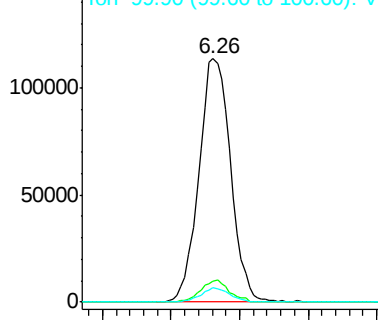
100 5.9 2.6 7.8

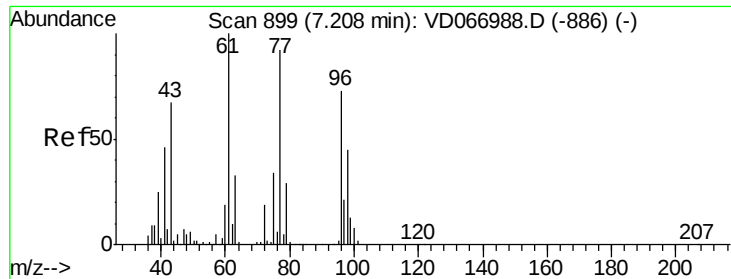


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 226.416 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 207336

Ion Ratio Lower Upper

43 100

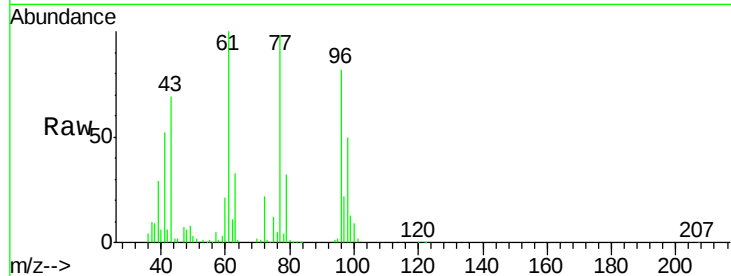
72 32.1 22.8 34.2

Manual Integrations

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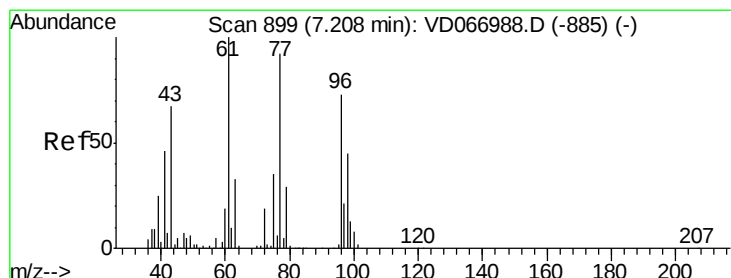
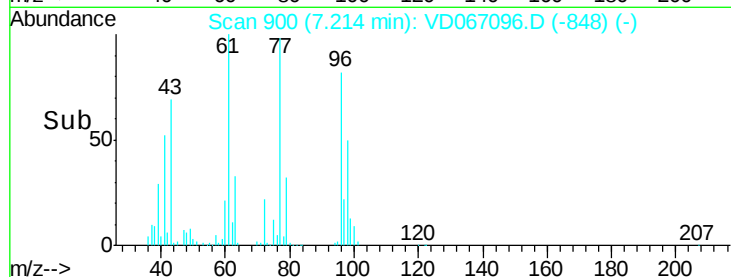
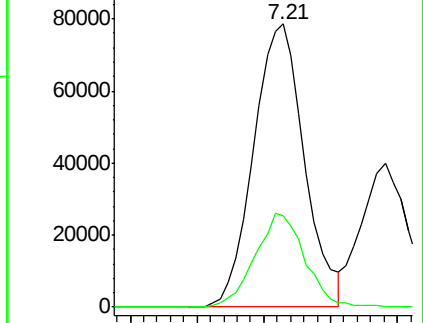
MMDadoda

10/7/2020 12:10:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.905 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067096.D

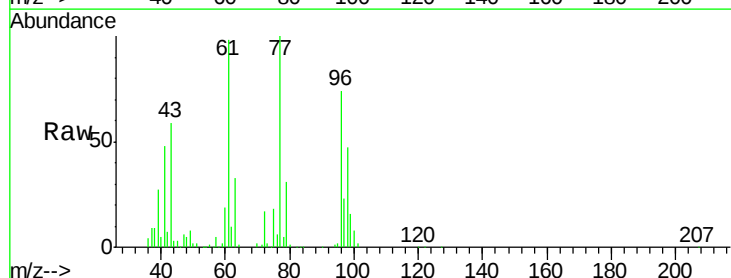
Acq: 06 Oct 2020 09:47

Tgt Ion: 77 Resp: 347280

Ion Ratio Lower Upper

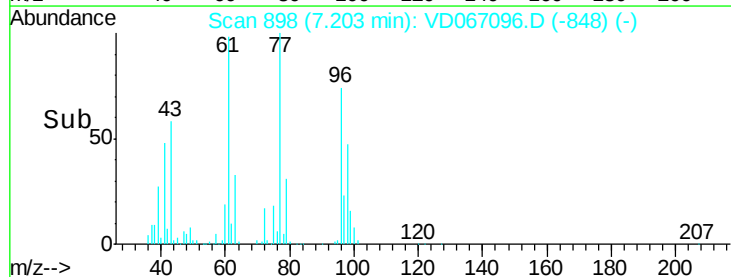
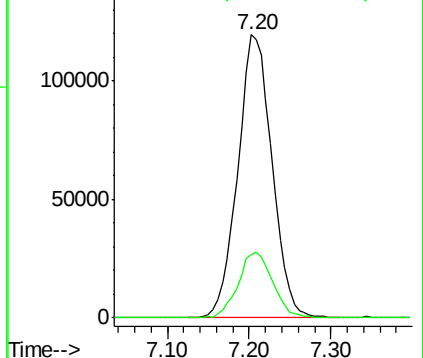
77 100

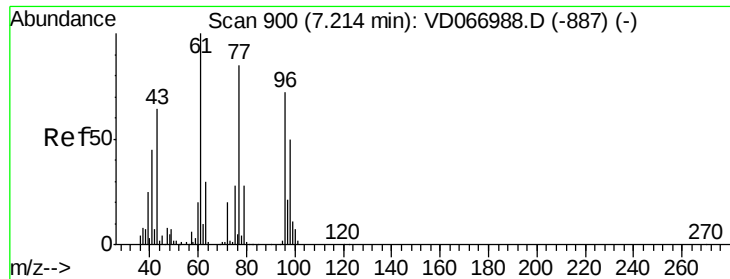
97 23.5 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

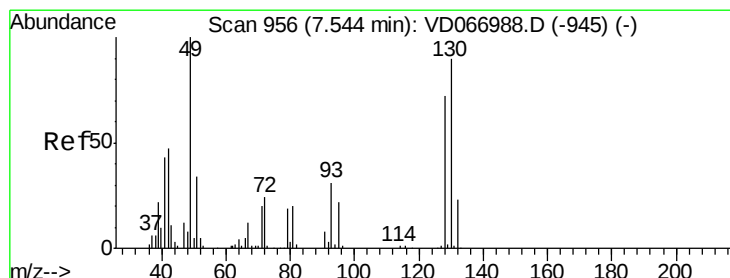
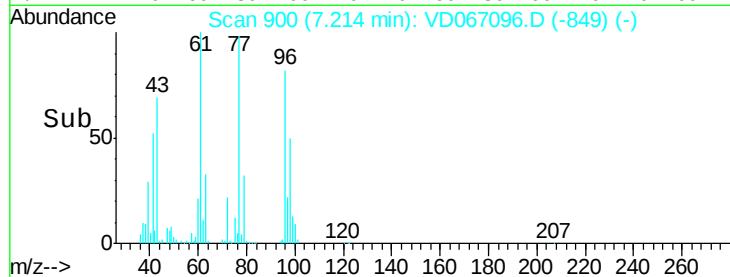
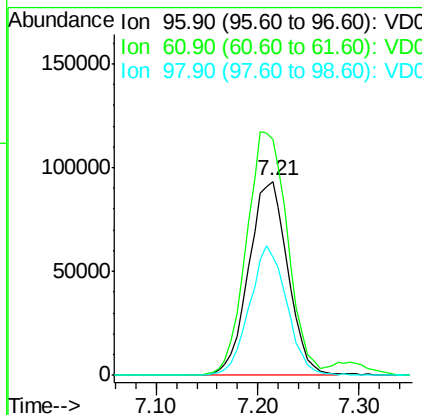
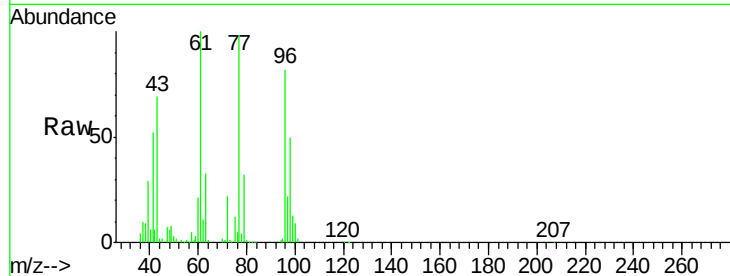
cis-1,2-Dichloroethene
Concen: 49.704 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	250165		
61	132.1	0.0	269.2	
98	63.6	0.0	129.4	

Manual Integrations
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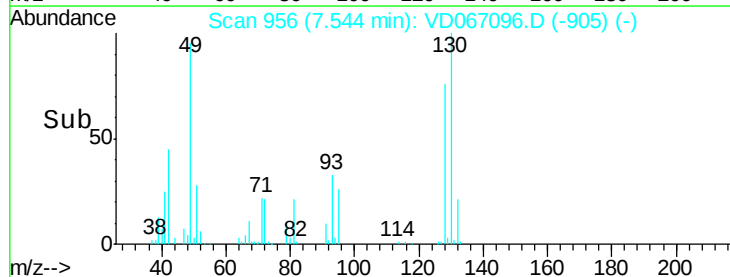
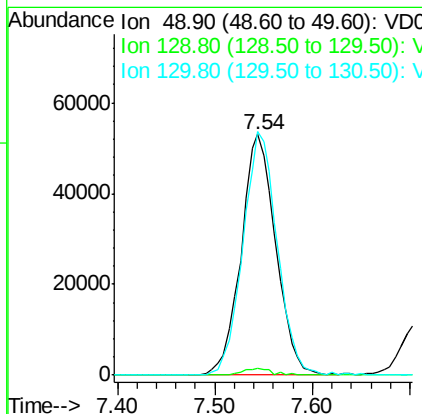
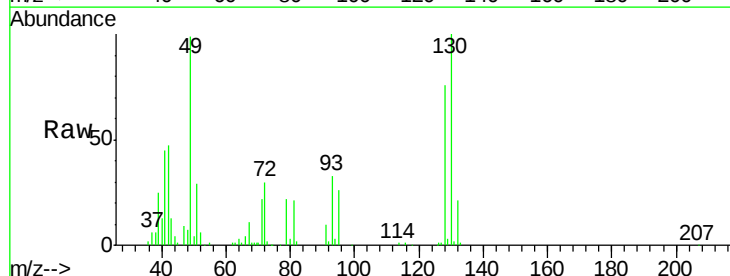
MMDadoda
10/7/2020 12:10:01 PM

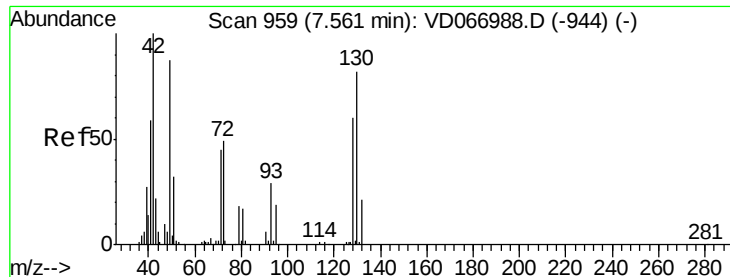


#28

Bromochloromethane
Concen: 44.974 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	131643		
129	2.2	0.0	4.6	
130	99.9	74.1	111.1	





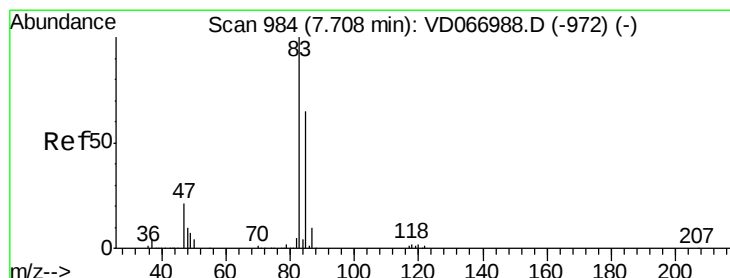
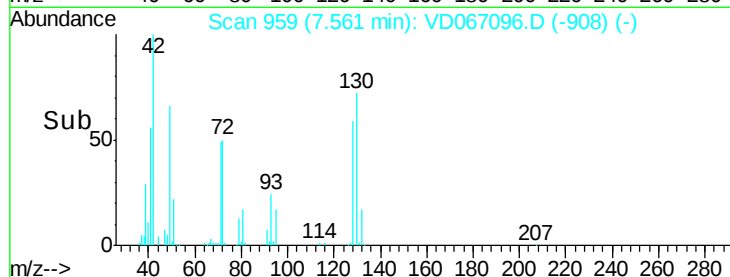
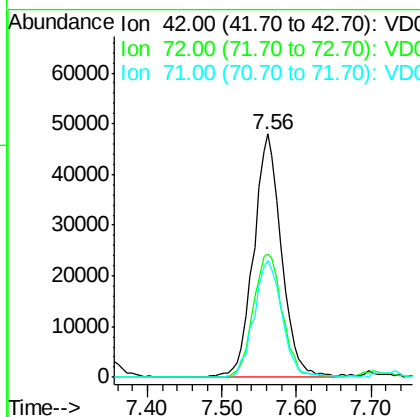
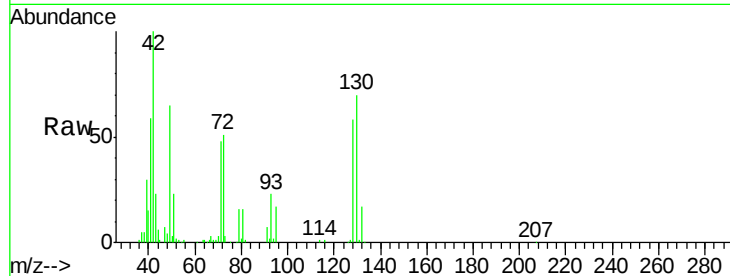
#29
Tetrahydrofuran
Concen: 236.705 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.1	39.1	58.7
71	48.3	34.2	51.4

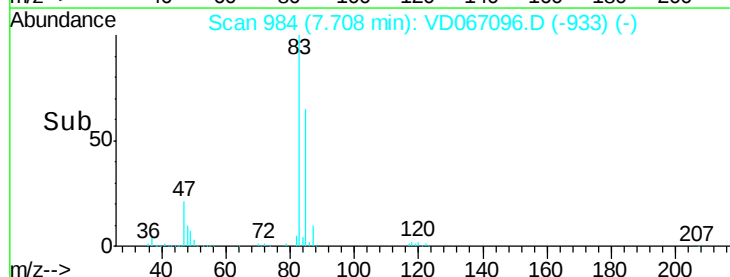
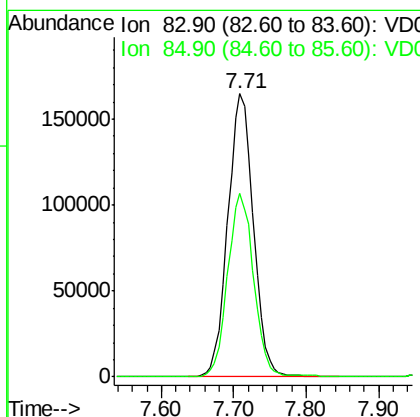
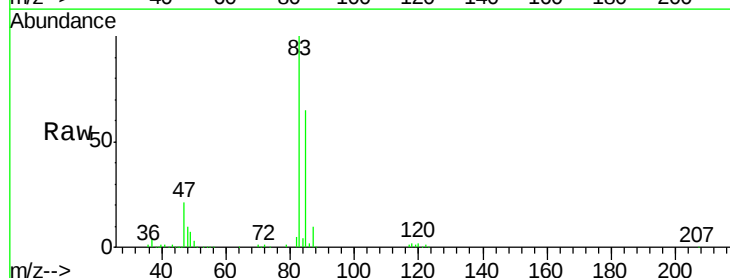
Manual Integrations
APPROVED

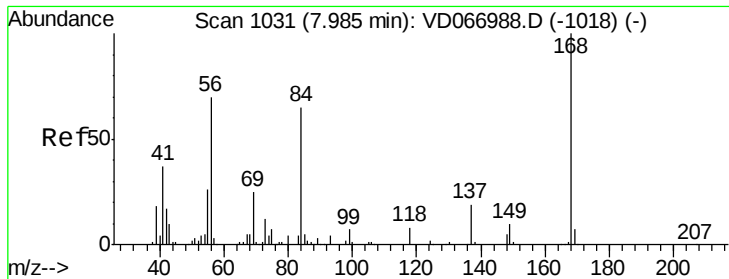
MMDadoda
10/7/2020 12:10:01 PM



#30
Chloroform
Concen: 49.179 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.3	78.5





#31

Cyclohexane

Concen: 46.977 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

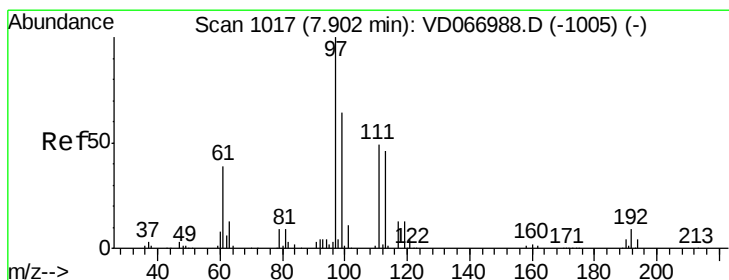
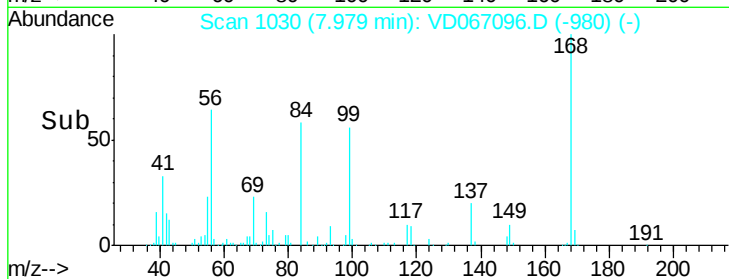
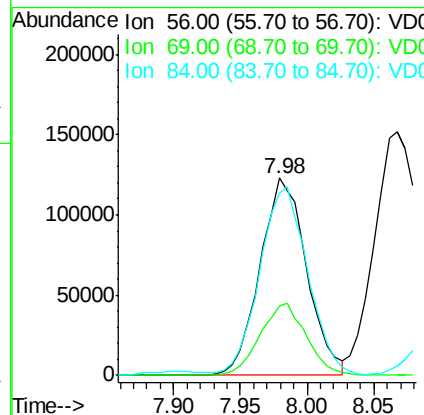
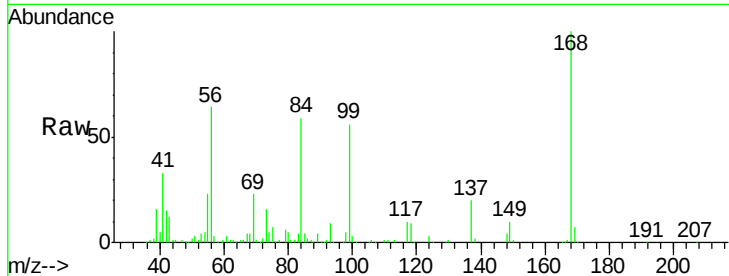
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	298510
Ion Ratio	Lower	Upper	
56	100		
69	35.5	29.0	43.6
84	90.8	74.2	111.2

Manual Integrations
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10/7/2020 12:10:01 PM



#32

1,1,1-Trichloroethane

Concen: 51.088 ug/l

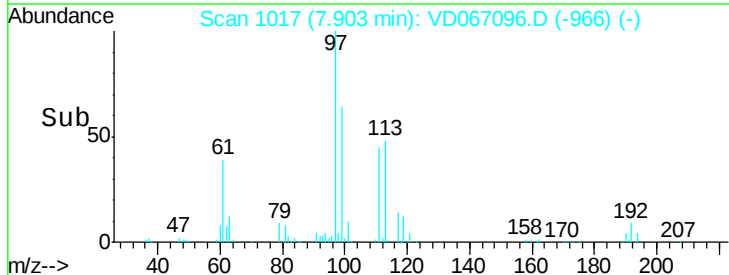
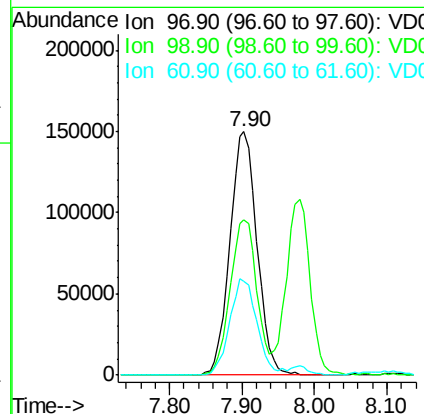
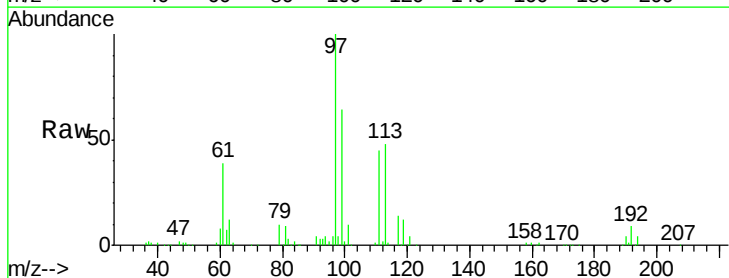
RT: 7.90 min Scan# 1017

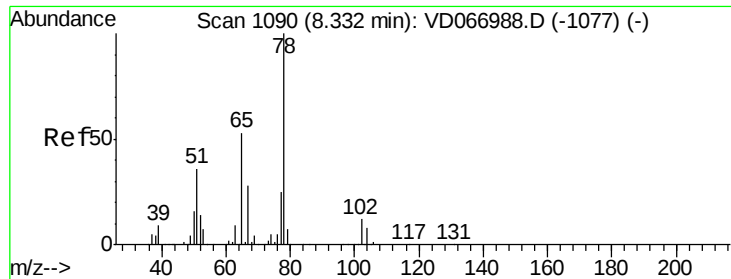
Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Tgt Ion:	97	Resp:	389288
Ion Ratio	Lower	Upper	
97	100		
99	62.8	52.6	78.8
61	39.3	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 47.142 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 199467

Ion Ratio Lower Upper

65 100

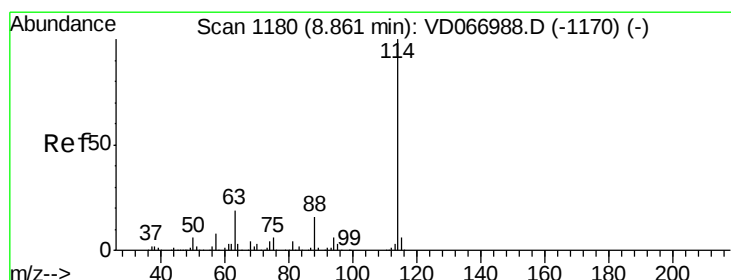
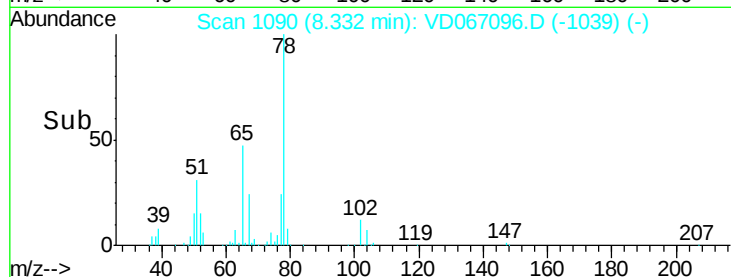
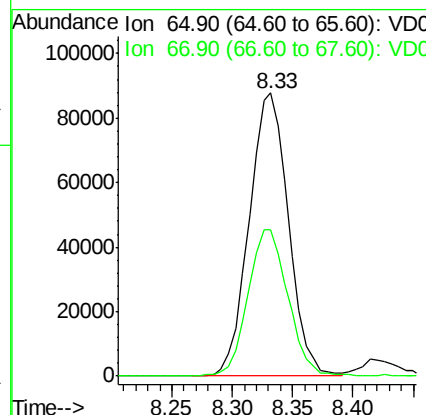
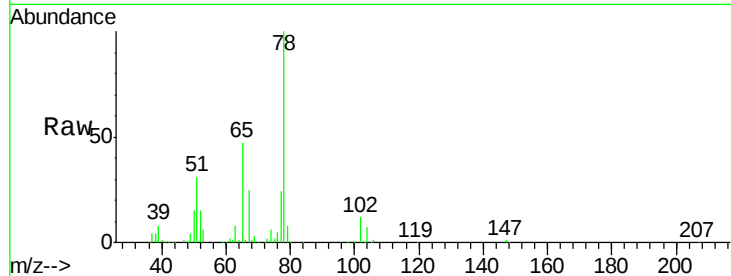
67 52.6 0.0 106.8

Manual Integrations

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10/7/2020 12:10:01 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

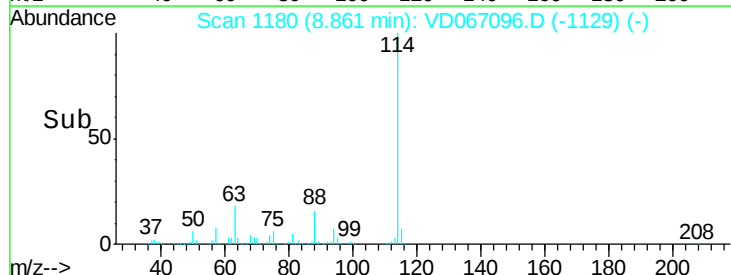
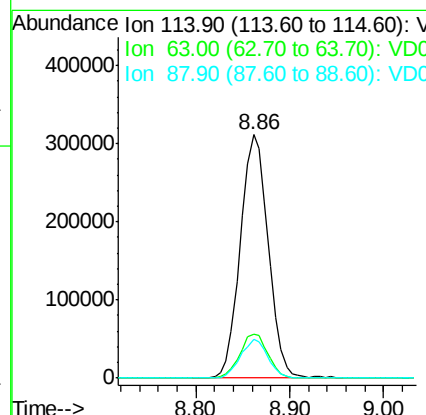
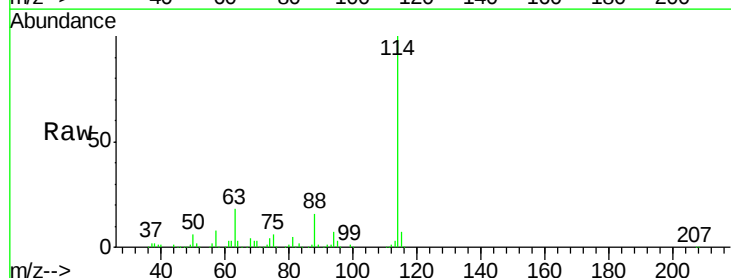
Tgt Ion: 114 Resp: 642358

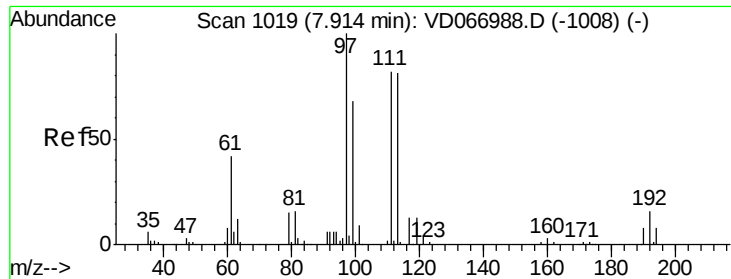
Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 15.9 0.0 31.2





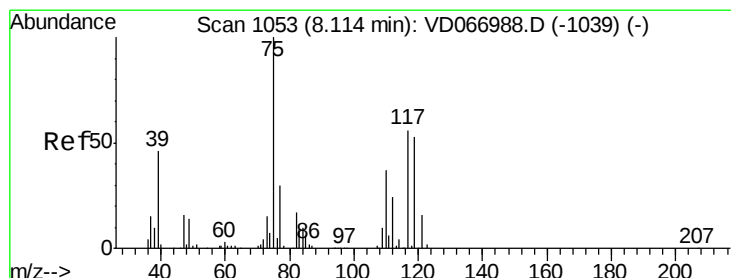
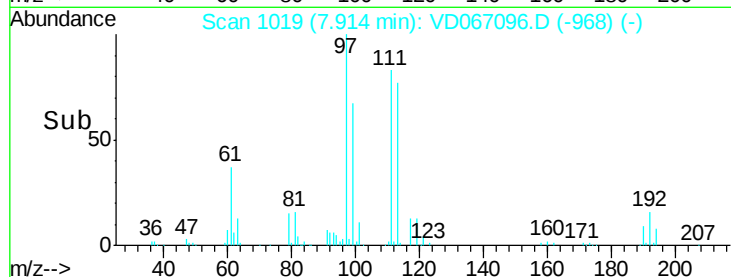
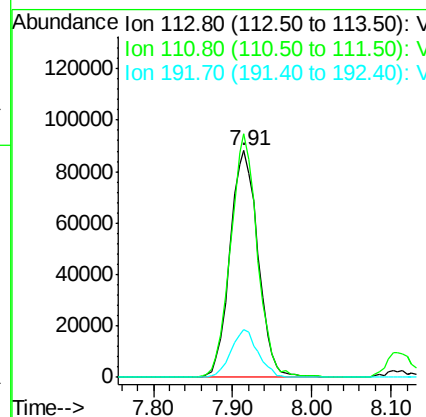
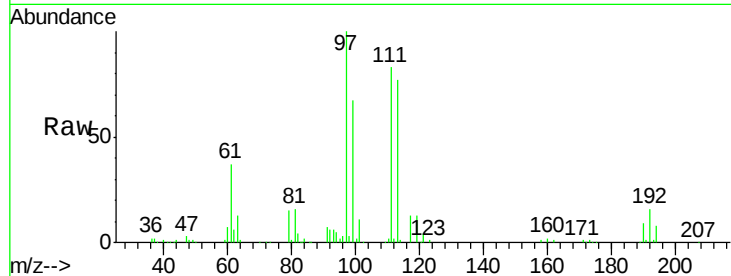
#35
Dibromofluoromethane
Concen: 51.453 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.4
192	20.1	15.5	23.3

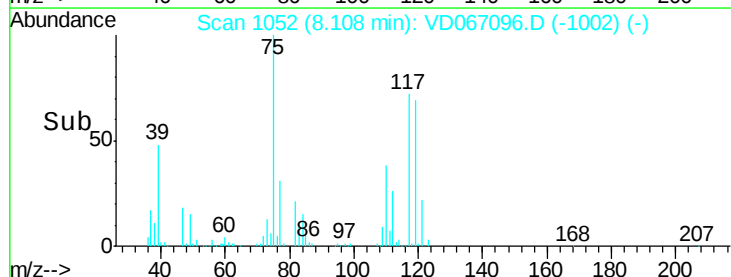
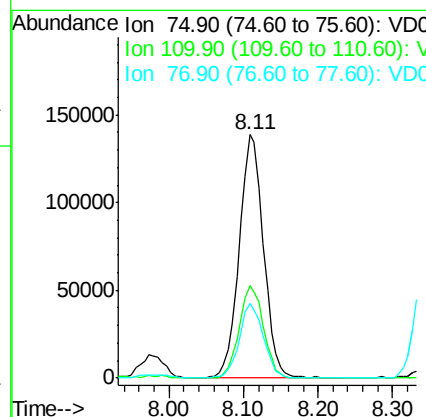
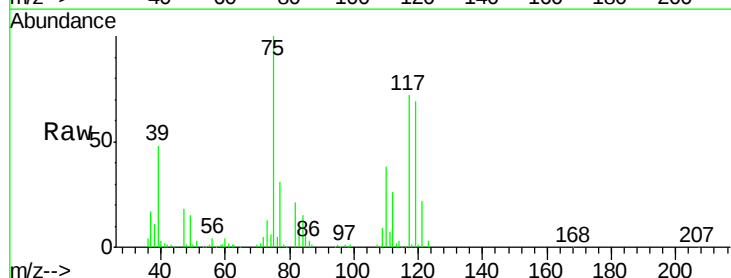
Manual Integrations
APPROVED

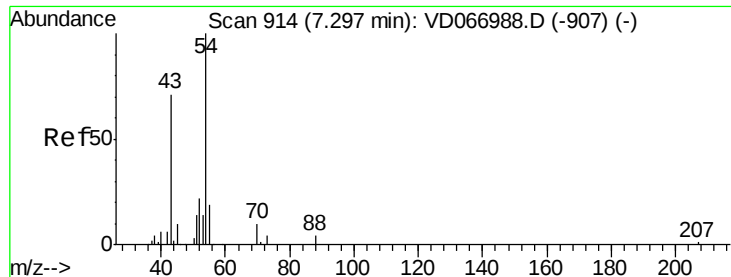
MMDadoda
10/7/2020 12:10:01 PM



#36
1,1-Dichloropropene
Concen: 52.248 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	18.4	55.0
77	30.7	24.8	37.2





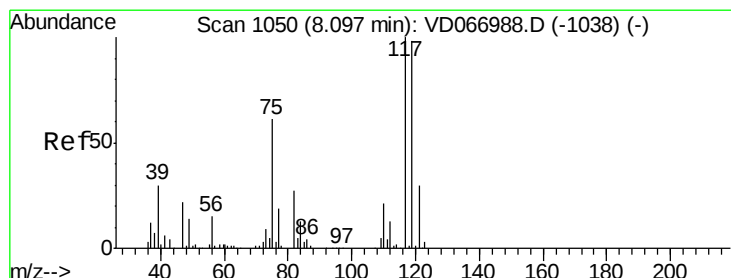
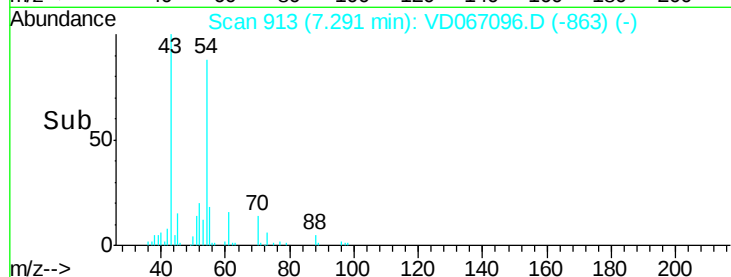
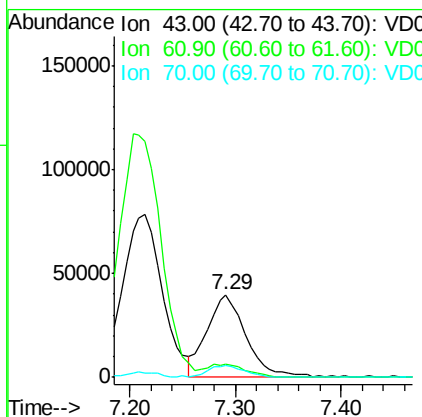
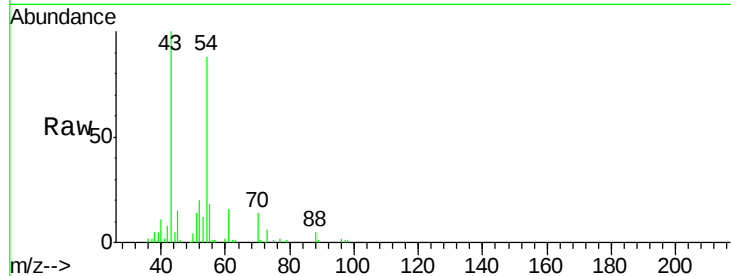
#37
Ethyl Acetate
Concen: 48.145 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.5	18.7
70	13.8	9.4	14.0

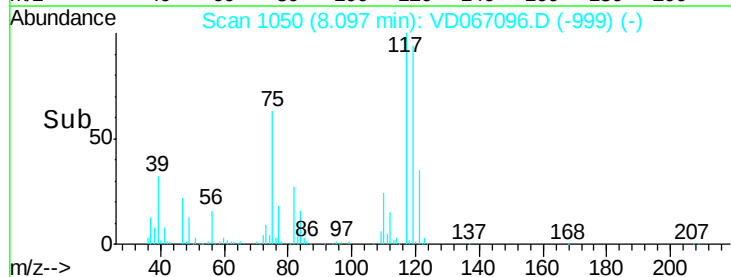
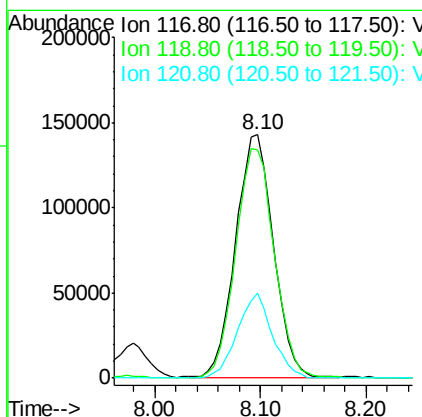
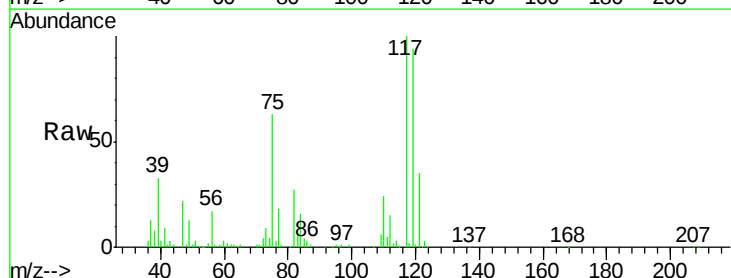
Manual Integrations
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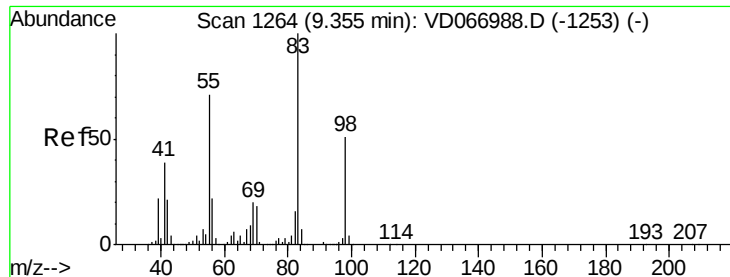
MMDadoda
10/7/2020 12:10:01 PM



#38
Carbon Tetrachloride
Concen: 54.766 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	78.7	118.1
121	35.1	24.2	36.2





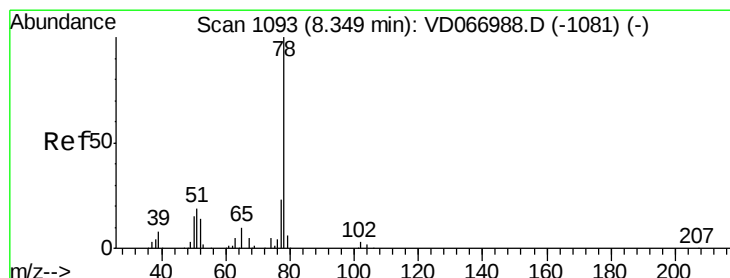
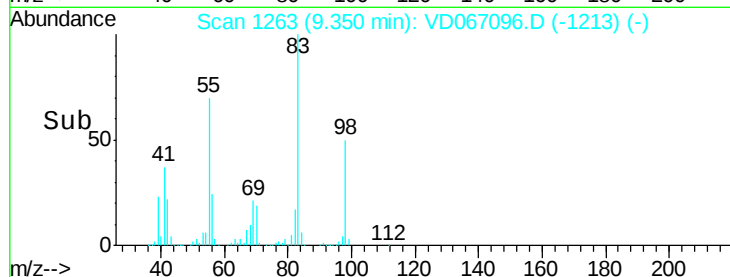
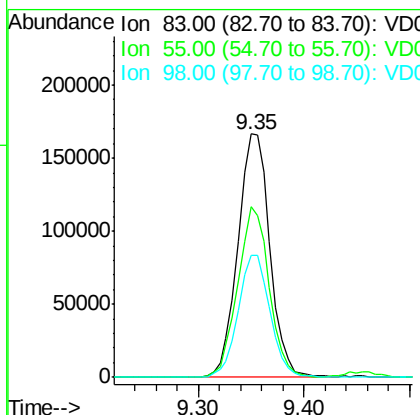
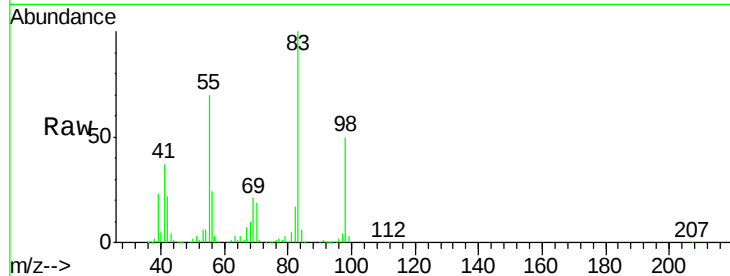
#39
Methylvlcyclohexane
Concen: 55.408 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.3	57.1	85.7
98	50.3	40.9	61.3

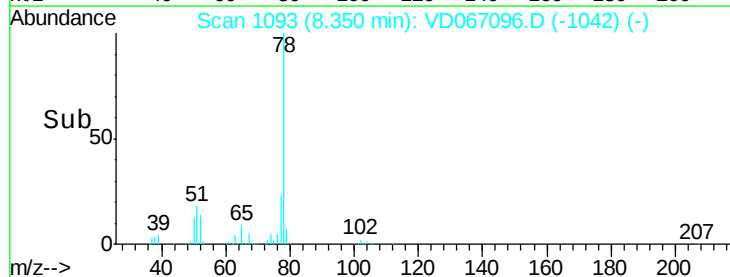
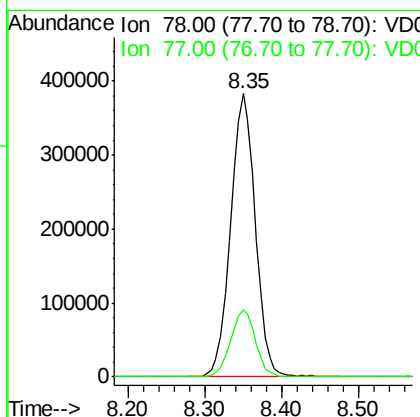
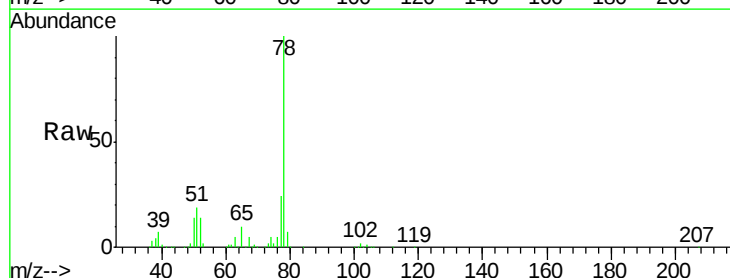
Manual Integrations
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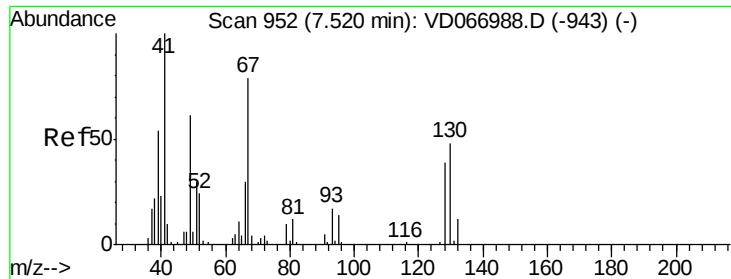
MMDadoda
10/7/2020 12:10:01 PM



#40
Benzene
Concen: 51.603 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.4	27.6





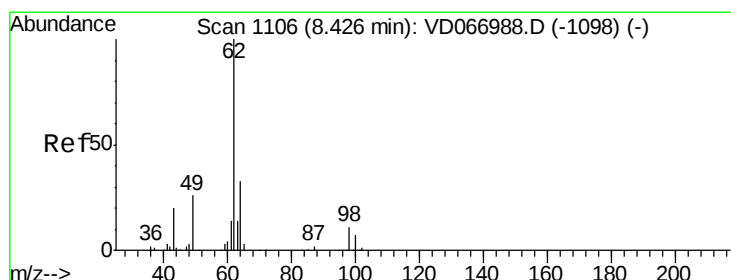
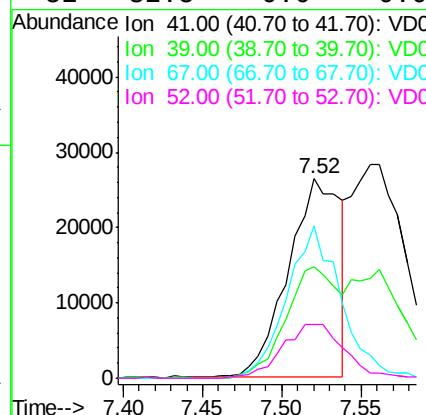
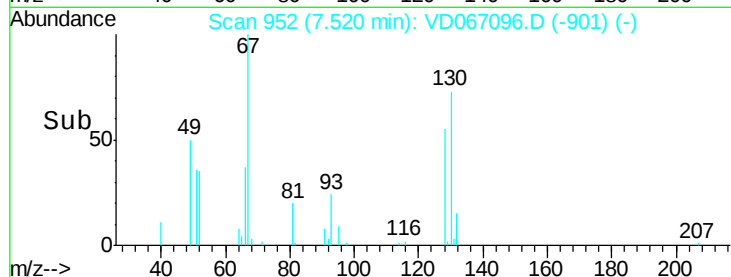
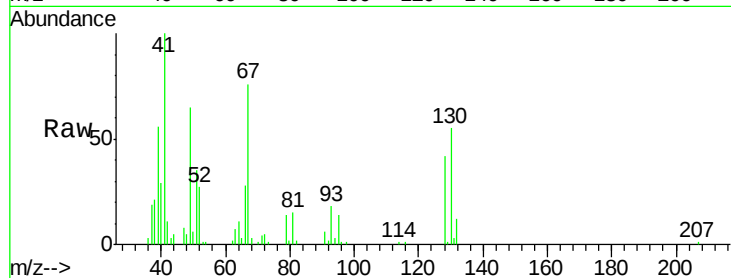
#41
Methacrylonitrile
Concen: 53.799 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		60287		
39	56.1	0.0	0.0#		
67	79.8	0.0	0.0#		
52	32.5	0.0	0.0#		

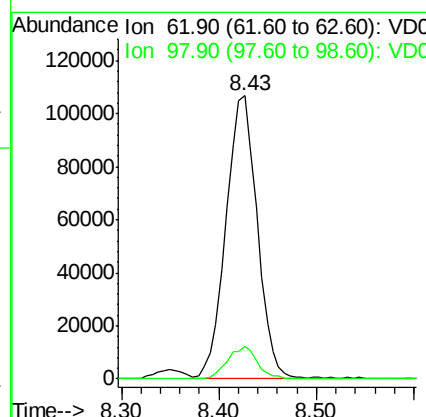
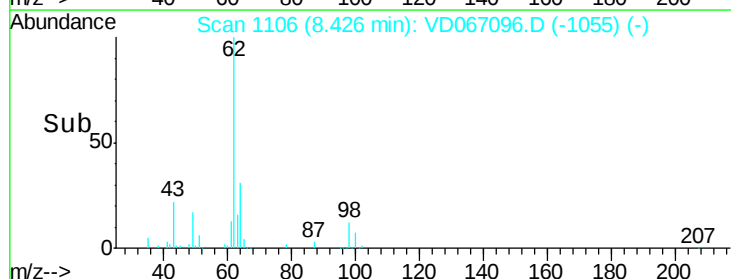
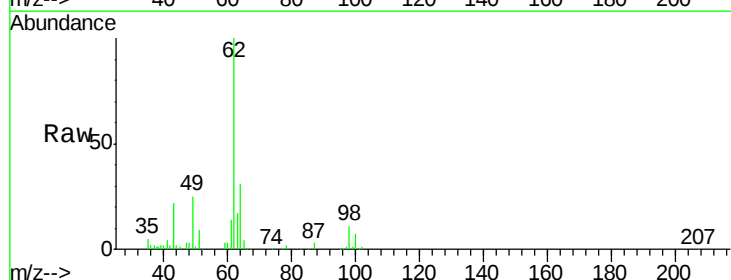
Manual Integrations
APPROVED

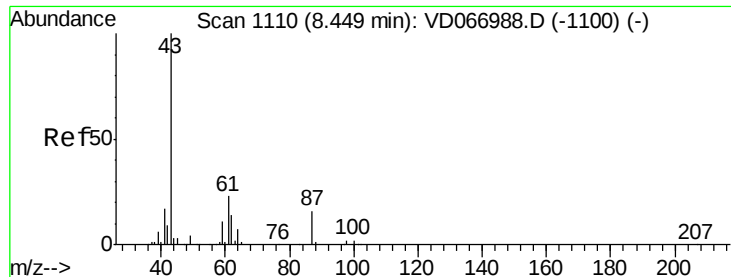
MMDadoda
10/7/2020 12:10:01 PM



#42
1,2-Dichloroethane
Concen: 51.016 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		237075		
98	11.0	0.0	22.6		





#43

Isopropyl Acetate

Concen: 50.299 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

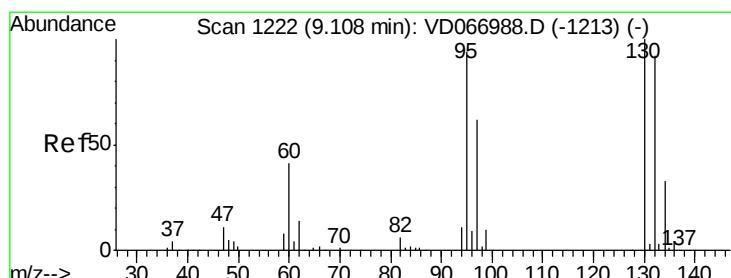
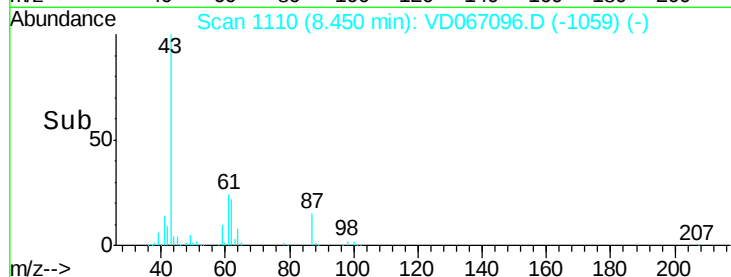
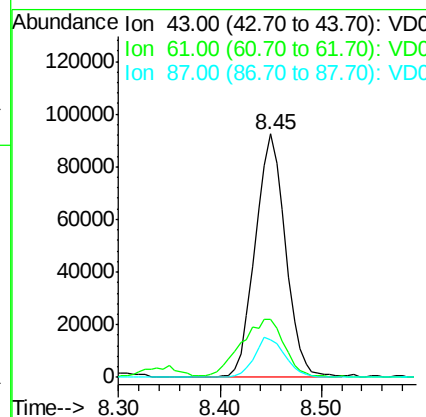
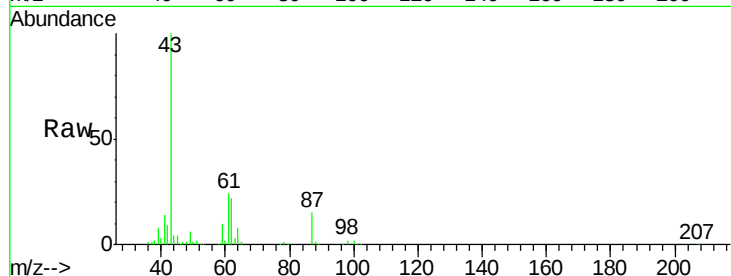
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	192203
Ion	Ratio	Lower	Upper
43	100		
61	34.5	27.1	40.7
87	16.5	12.3	18.5

Manual Integrations
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MMDadoda
10/7/2020 12:10:01 PM



#44

Trichloroethene

Concen: 54.190 ug/l

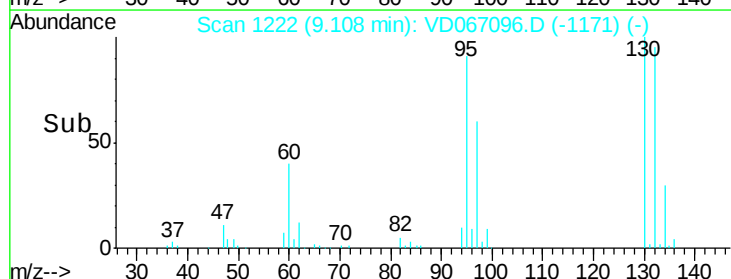
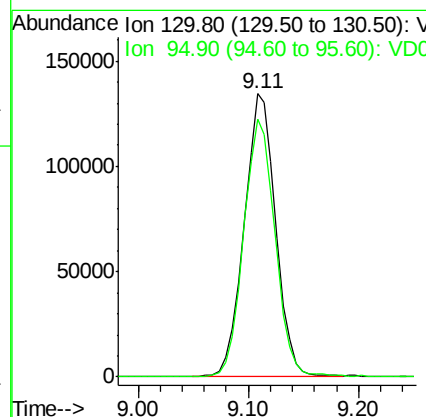
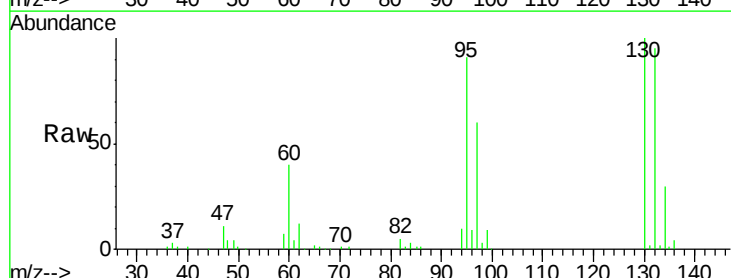
RT: 9.11 min Scan# 1222

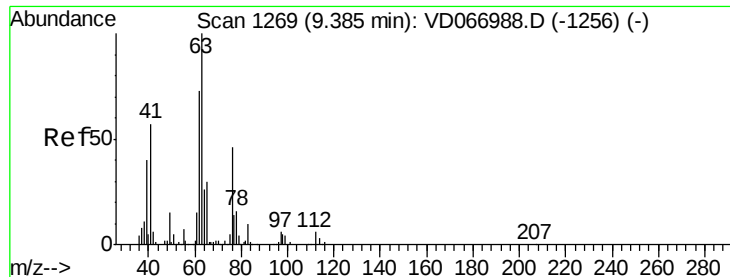
Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Tgt Ion:	130	Resp:	269109
Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	187.8





#45

1,2-Dichloropropane

Concen: 53.129 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 207606

Ion Ratio Lower Upper

63 100

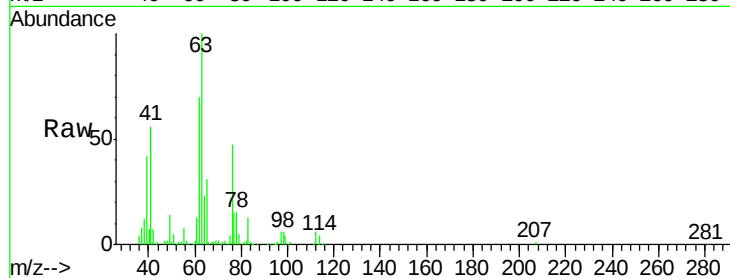
65 31.0 23.7 35.5

Manual Integrations

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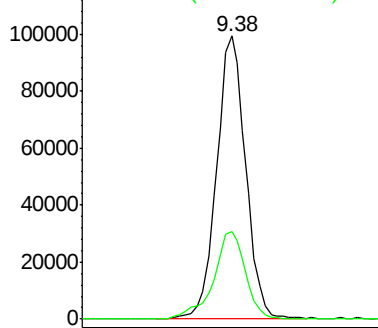
MMDadoda

10/7/2020 12:10:01 PM

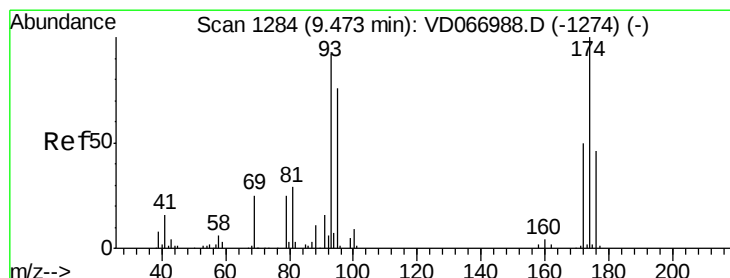
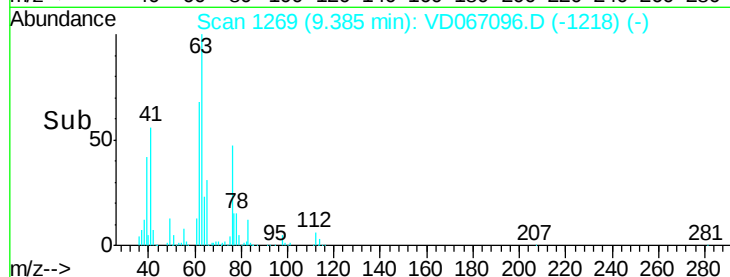


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



Time-->



#46

Dibromomethane

Concen: 53.716 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

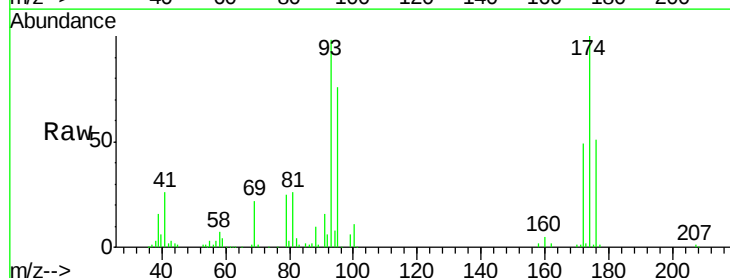
Tgt Ion: 93 Resp: 120639

Ion Ratio Lower Upper

93 100

95 81.5 64.7 97.1

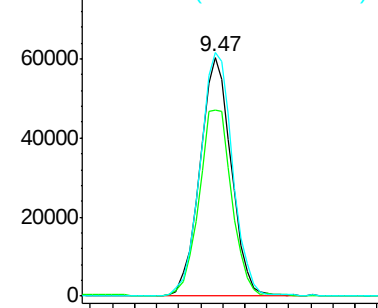
174 105.3 81.4 122.2



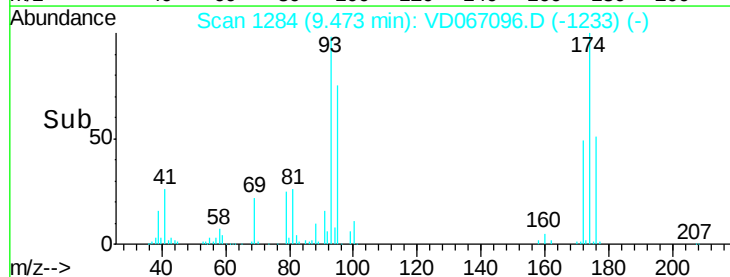
Abundance Ion 92.80 (92.50 to 93.50): VDC

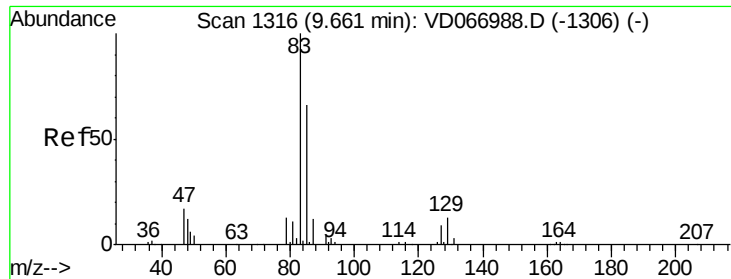
Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V



Time-->





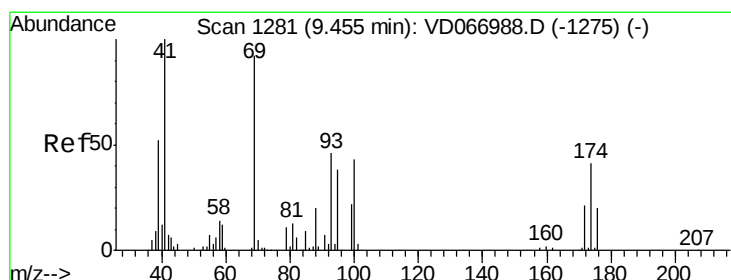
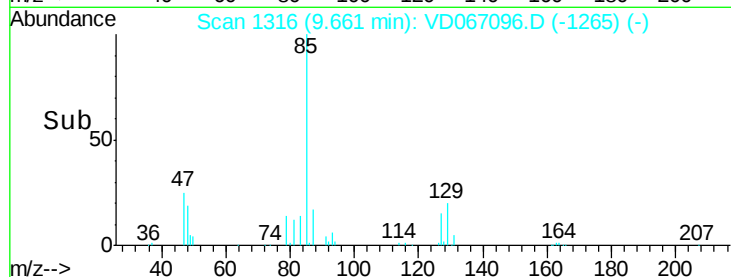
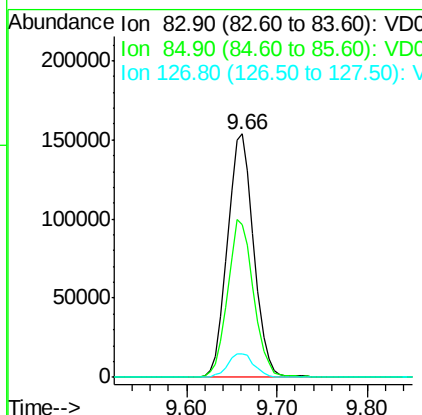
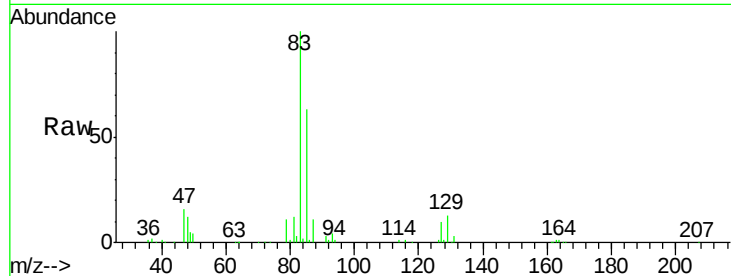
#47
Bromodichloromethane
Concen: 53.055 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	309738		
85	62.6	52.9	79.3	
127	9.7	7.3	10.9	

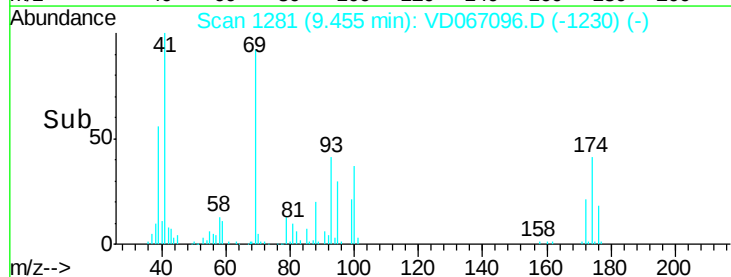
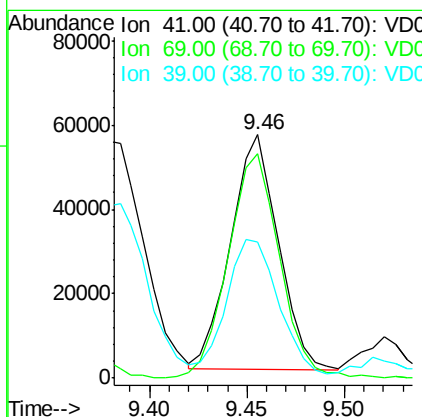
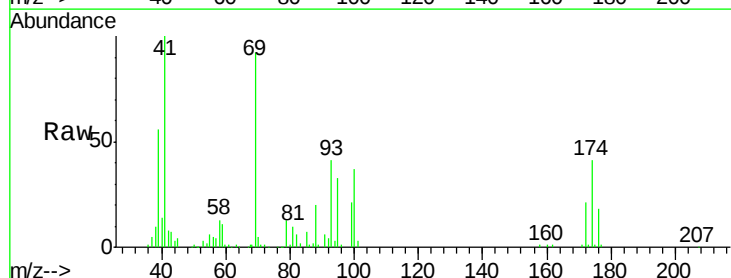
Manual Integrations
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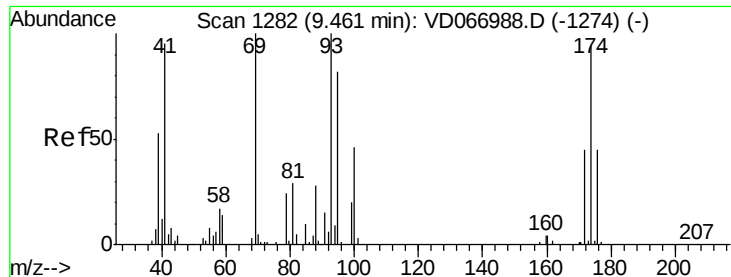
MMDadoda
10/7/2020 12:10:01 PM



#48
Methyl methacrylate
Concen: 48.275 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	94505		
69	103.2	68.5	102.7#	
39	61.4	40.2	60.2#	





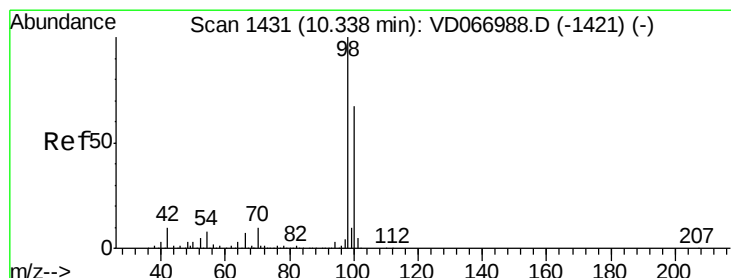
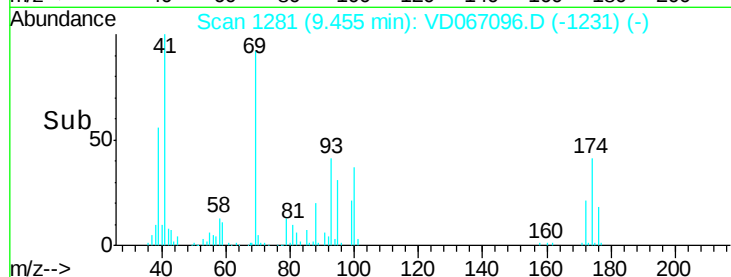
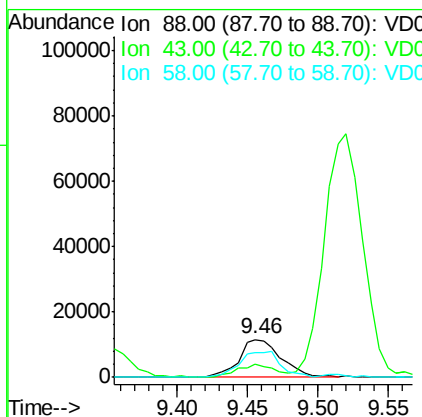
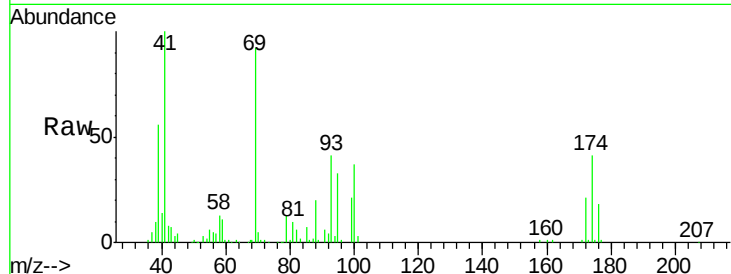
#49
1,4-Dioxane
Concen: 1028.213 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	24101
Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.6	38.4
58	67.3	53.5	80.3

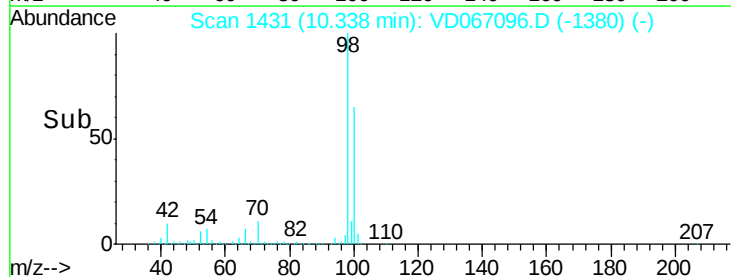
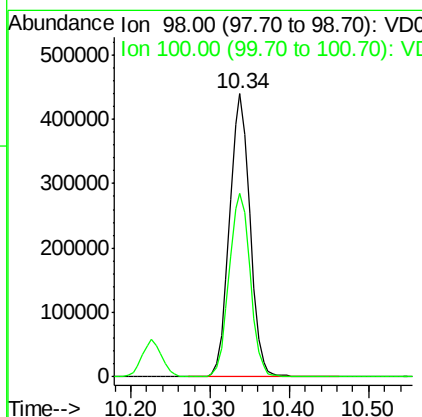
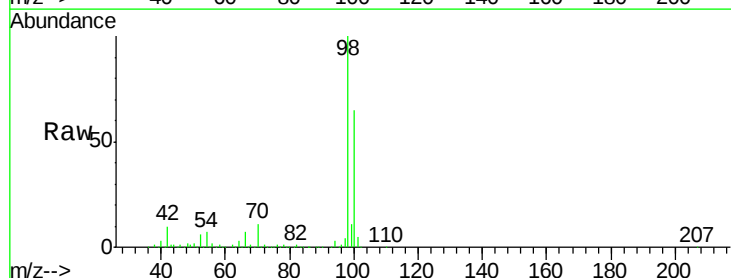
Manual Integrations
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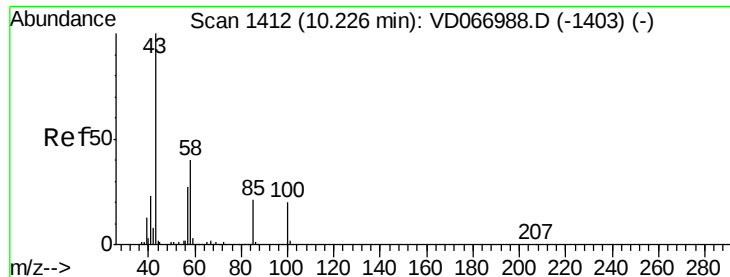
MMDadoda
10/7/2020 12:10:01 PM



#50
Toluene-d8
Concen: 51.340 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion	98	Resp	786734
Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 259.263 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 493460

Ion Ratio Lower Upper

43 100

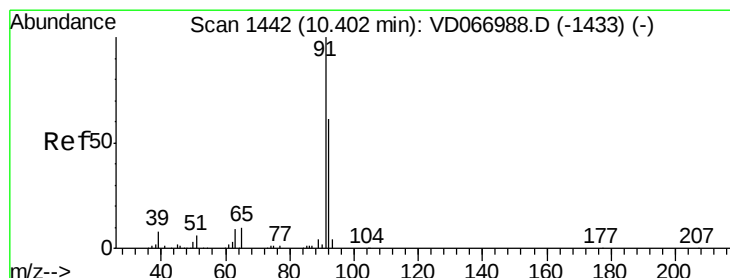
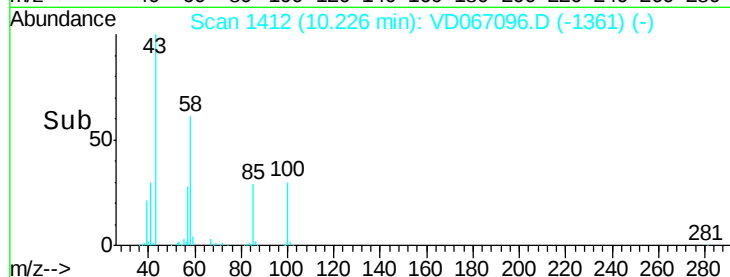
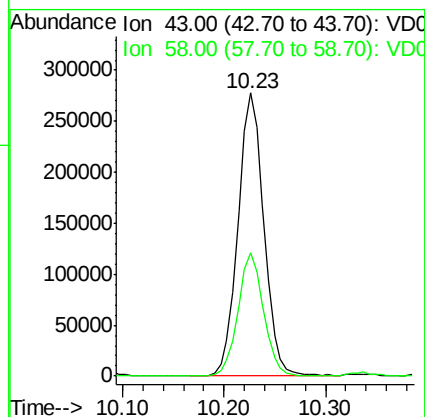
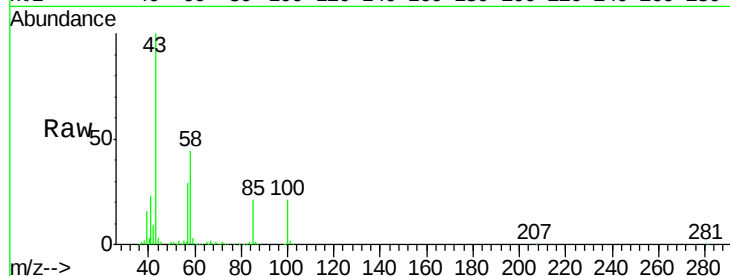
58 42.9 33.8 50.8

Manual Integrations

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MMDadoda

10/7/2020 12:10:01 PM



#52

Toluene

Concen: 52.985 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067096.D

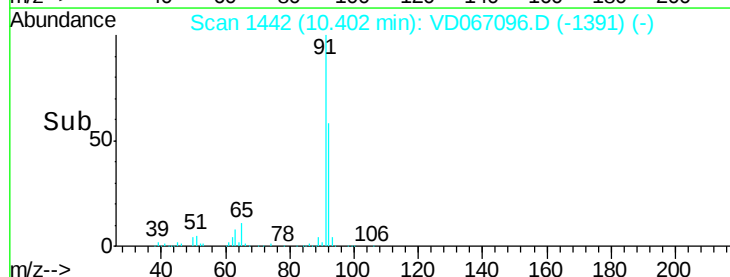
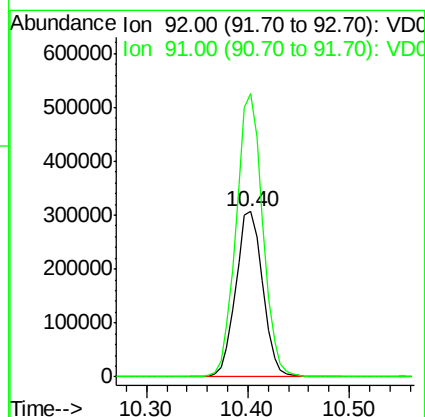
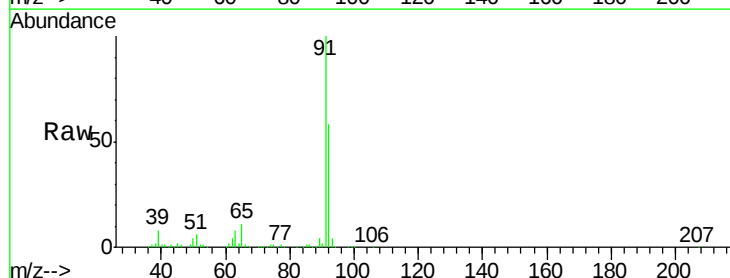
Acq: 06 Oct 2020 09:47

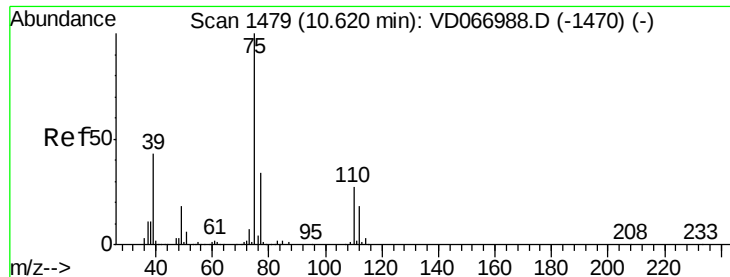
Tgt Ion: 92 Resp: 567622

Ion Ratio Lower Upper

92 100

91 169.3 135.1 202.7





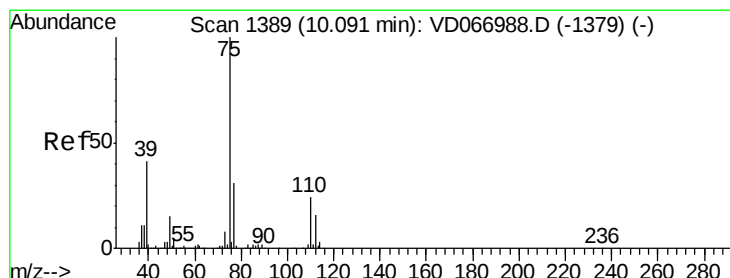
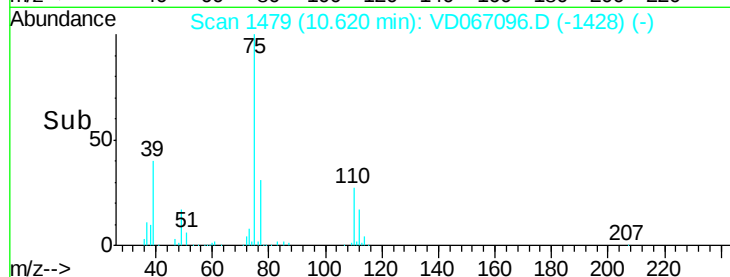
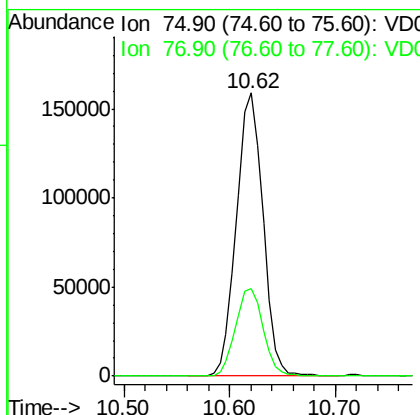
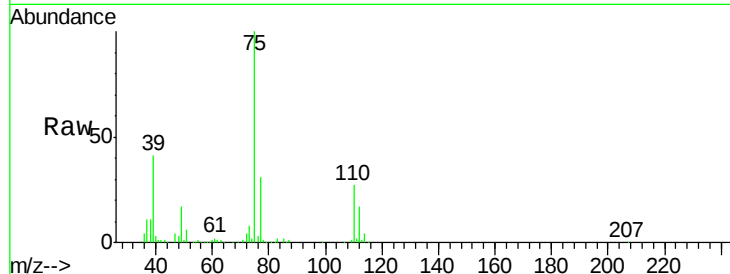
#53
t-1,3-Dichloropropene
Concen: 53.223 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 277696
Ion Ratio Lower Upper
75 100
77 31.0 27.1 40.7

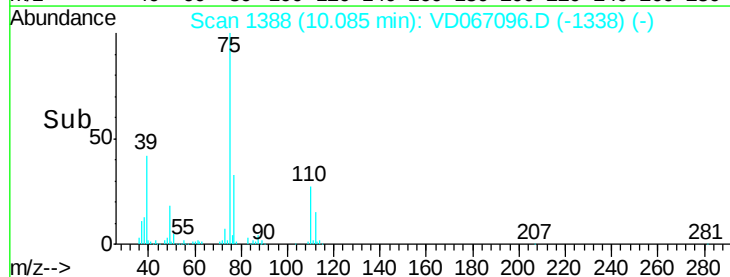
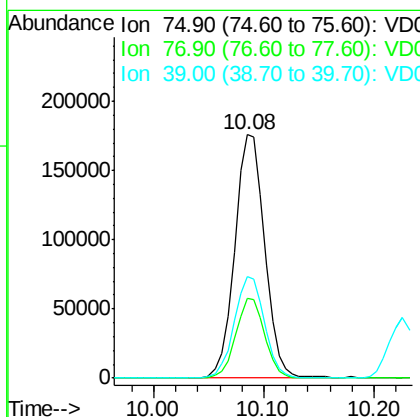
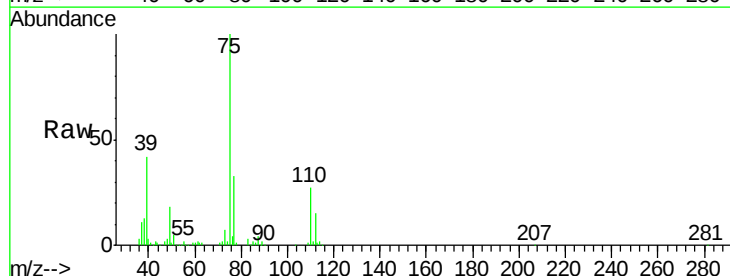
Manual Integrations
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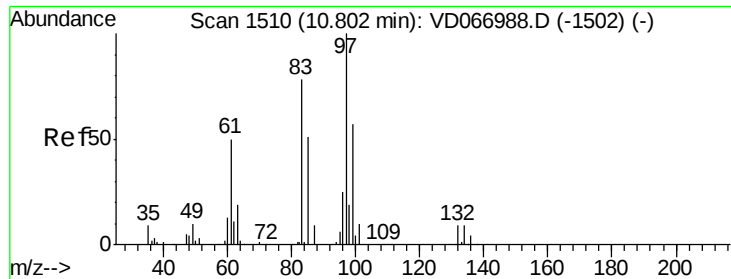
MMDadoda
10/7/2020 12:10:01 PM



#54
cis-1,3-Dichloropropene
Concen: 52.615 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion: 75 Resp: 335227
Ion Ratio Lower Upper
75 100
77 32.8 24.6 37.0
39 41.7 33.0 49.4





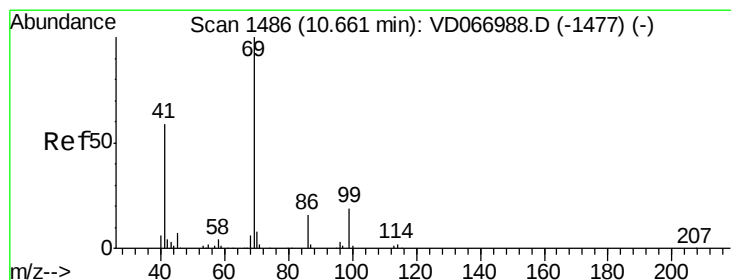
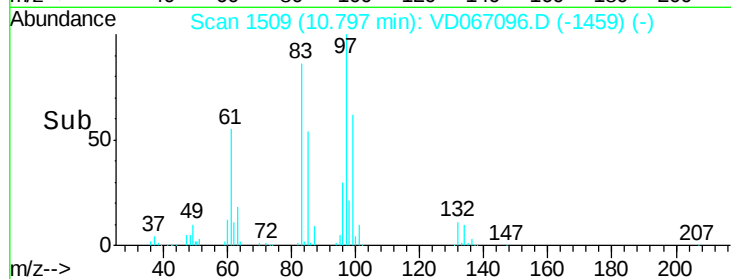
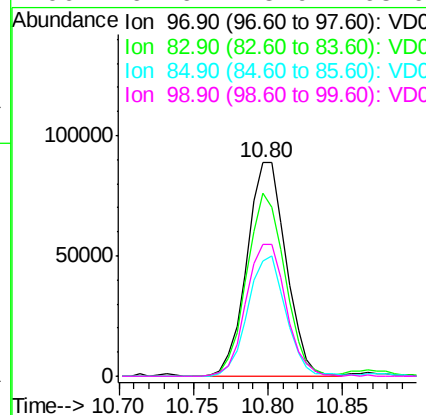
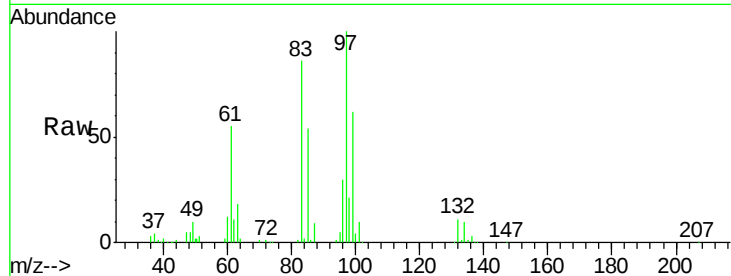
#55
 1,1,2-Trichloroethane
 Concen: 51.700 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	161430
Ion	Ratio	Lower	Upper
97	100		
83	85.8	62.4	93.6
85	53.8	41.0	61.4
99	61.6	45.9	68.9

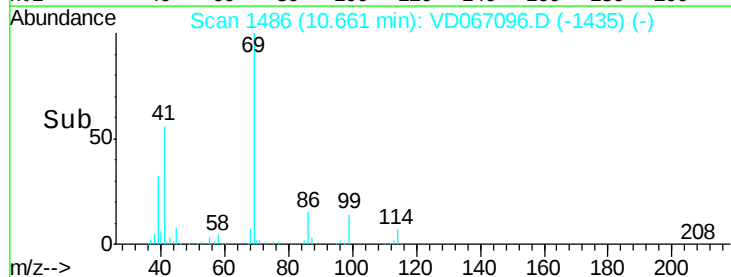
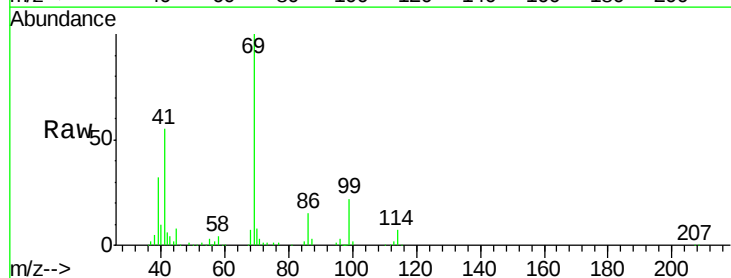
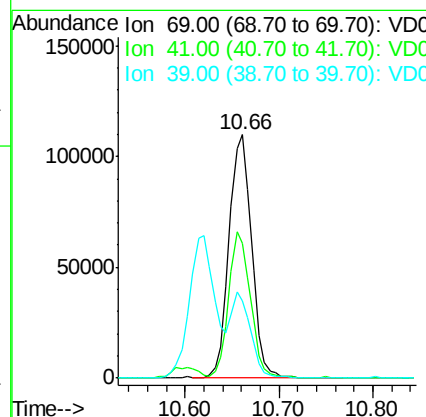
Manual Integrations
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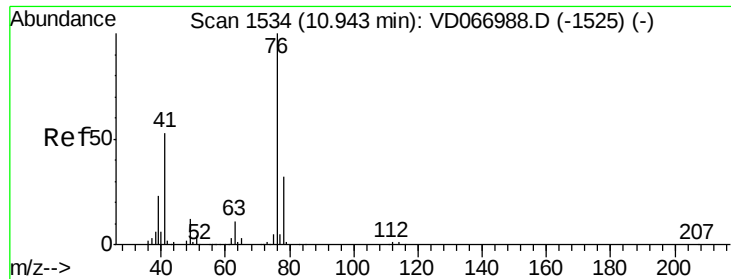
MMDadoda
 10/7/2020 12:10:01 PM



#56
 Ethyl methacrylate
 Concen: 57.279 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion:	69	Resp:	184653
Ion	Ratio	Lower	Upper
69	100		
41	57.2	46.4	69.6
39	30.6	23.8	35.6





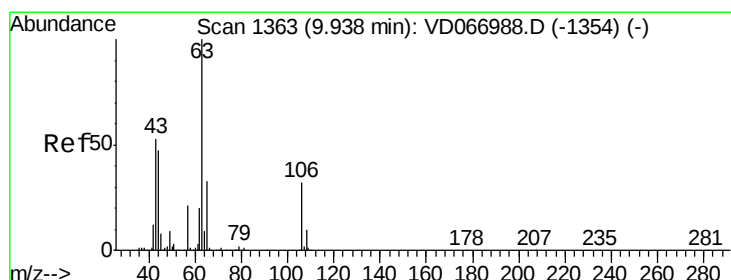
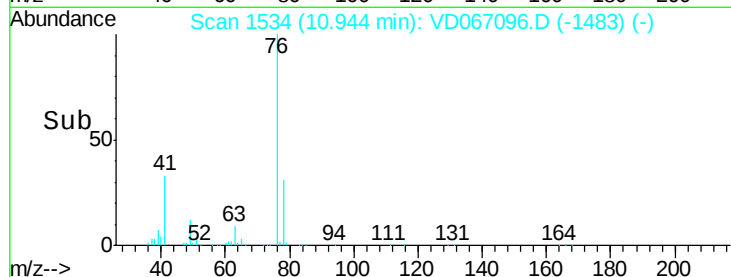
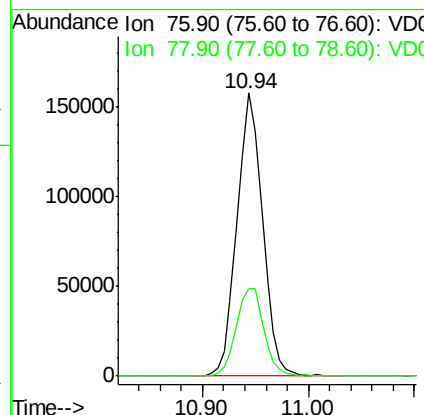
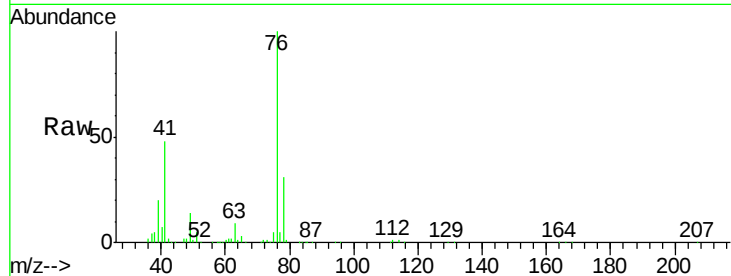
#57
 1,3-Dichloropropane
 Concen: 52.344 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 265037
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.8 38.8

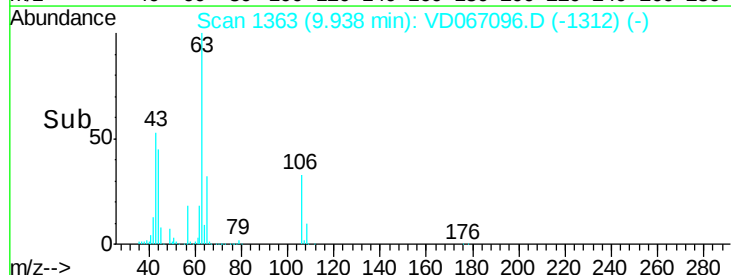
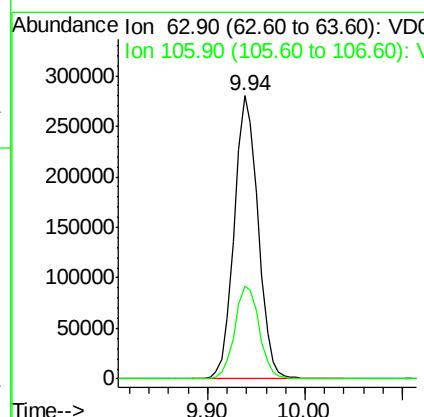
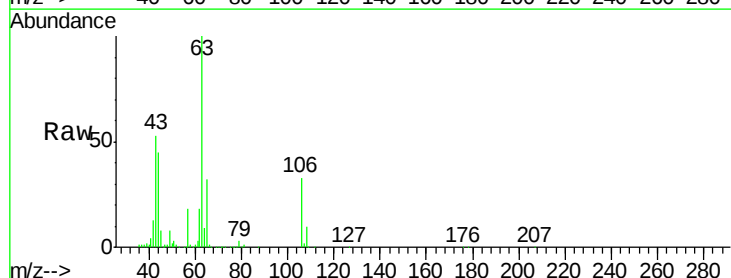
Manual Integrations
 APPROVED

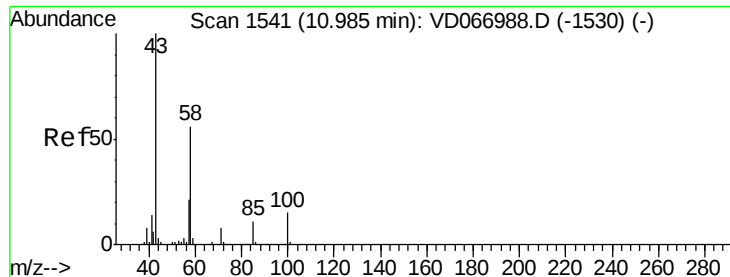
MMDadoda
 10/7/2020 12:10:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.142 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion: 63 Resp: 477531
 Ion Ratio Lower Upper
 63 100
 106 33.6 25.3 37.9





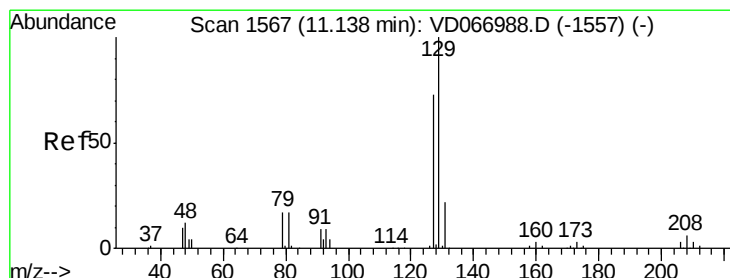
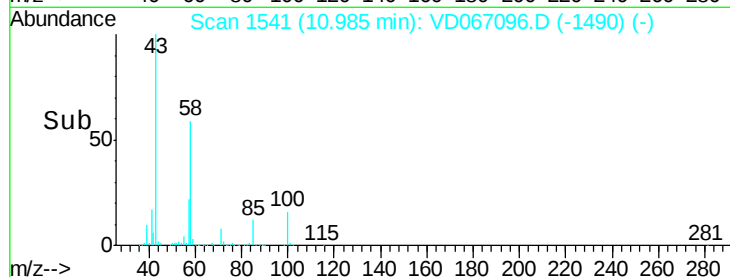
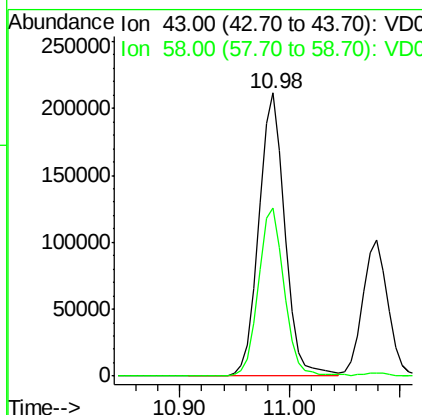
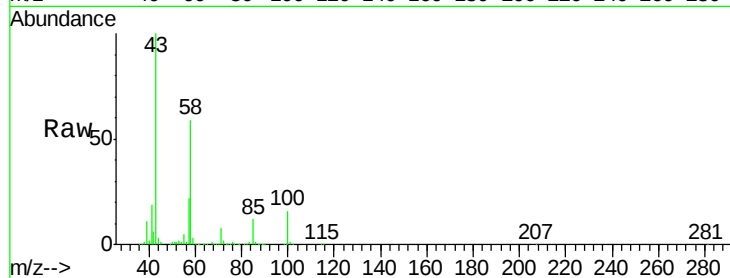
#59
2-Hexanone
Concen: 276.874 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 351729
Ion Ratio Lower Upper
43 100
58 58.6 28.3 84.9

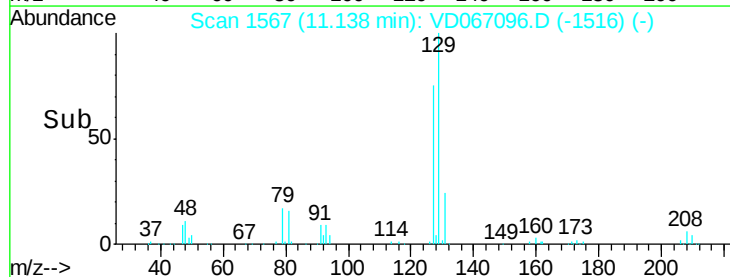
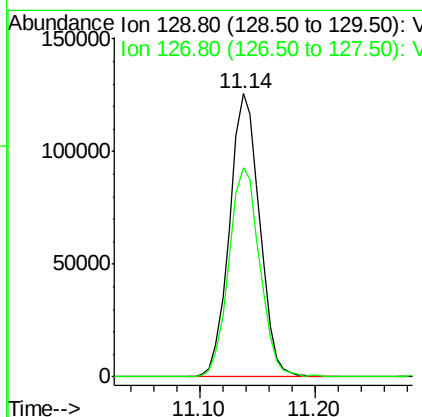
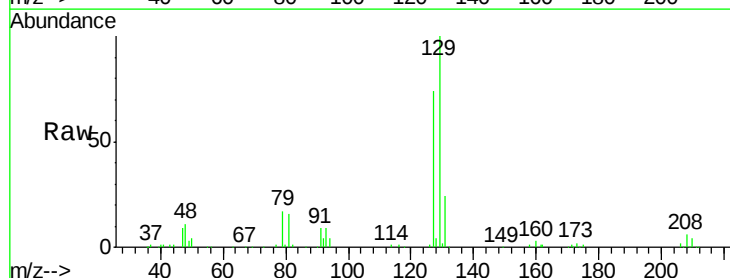
Manual Integrations
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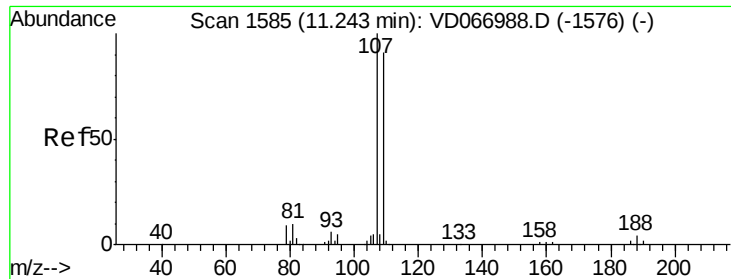
MMDadoda
10/7/2020 12:10:01 PM



#60
Dibromochloromethane
Concen: 54.448 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion: 129 Resp: 226597
Ion Ratio Lower Upper
129 100
127 76.0 37.4 112.1





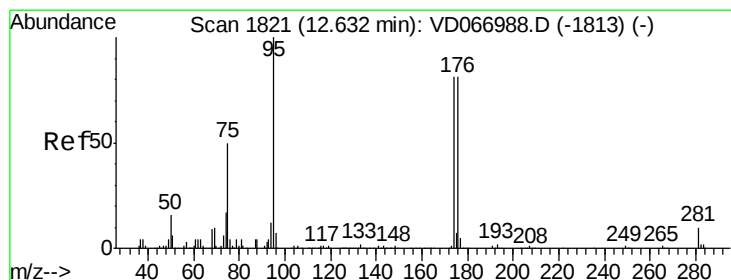
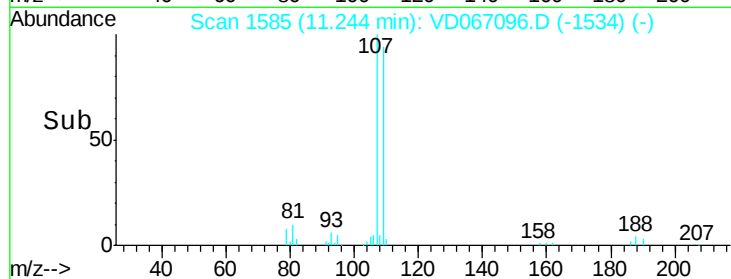
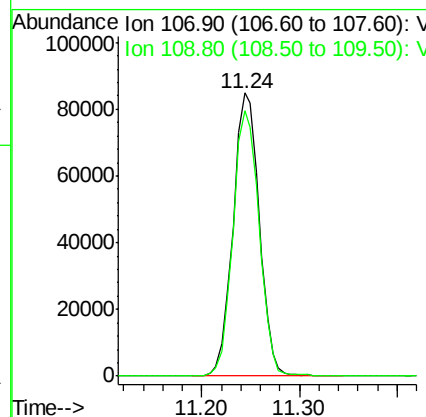
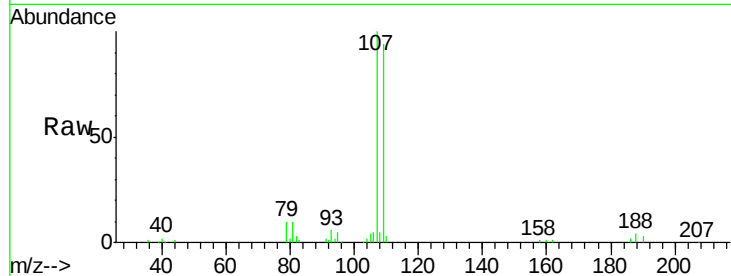
#61
 1,2-Dibromoethane
 Concen: 52.853 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.0	111.0

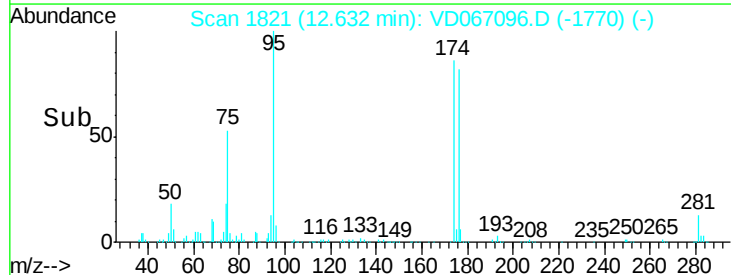
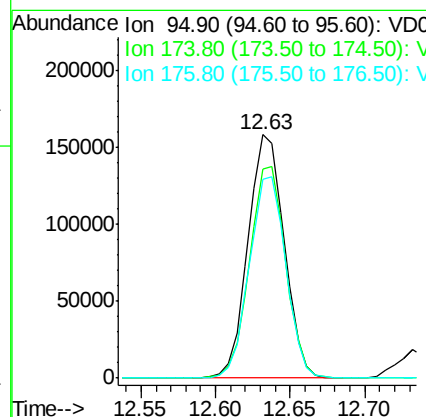
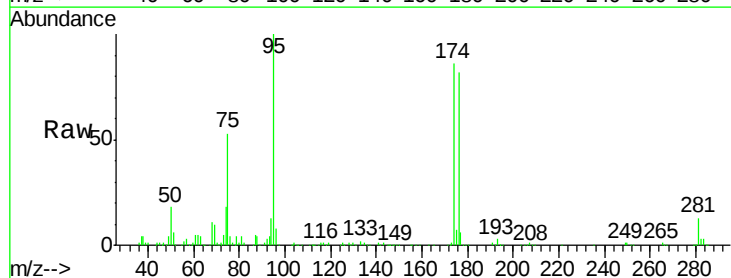
Manual Integrations
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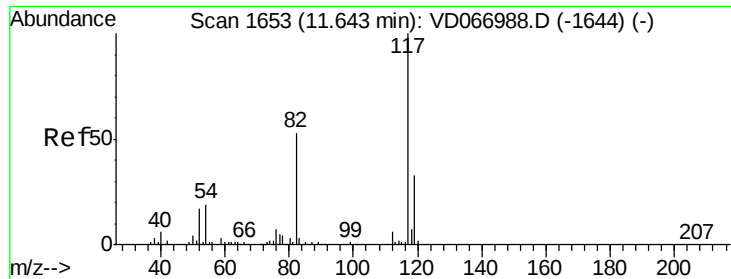
MMDadoda
 10/7/2020 12:10:01 PM



#62
 4-Bromofluorobenzene
 Concen: 50.999 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	167.6
176	83.5	0.0	162.4





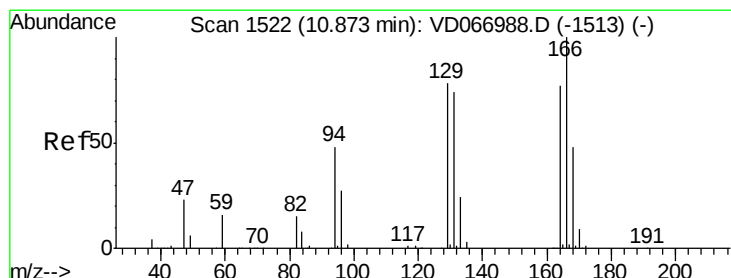
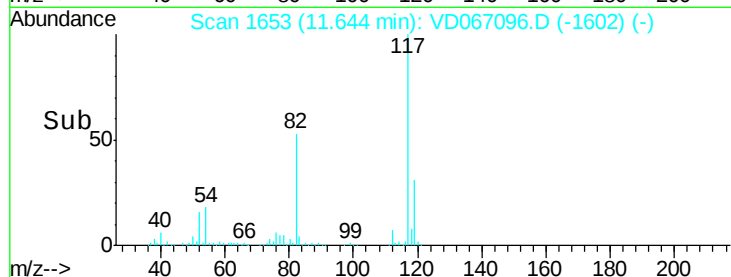
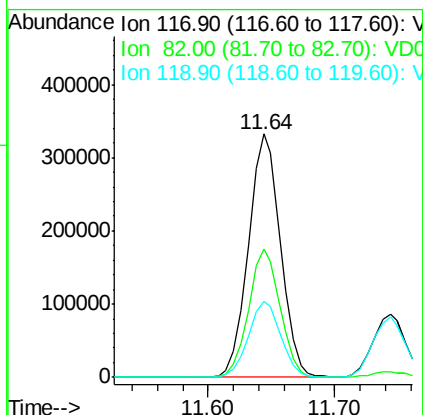
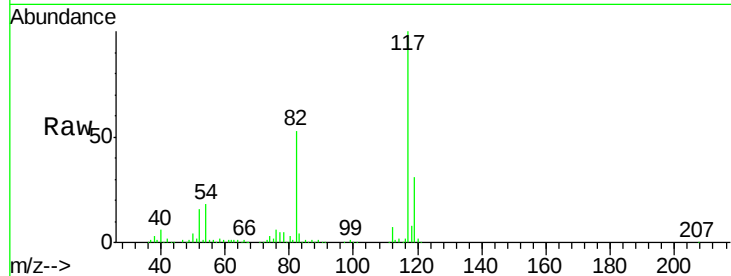
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.6	63.8
119	31.4	26.3	39.5

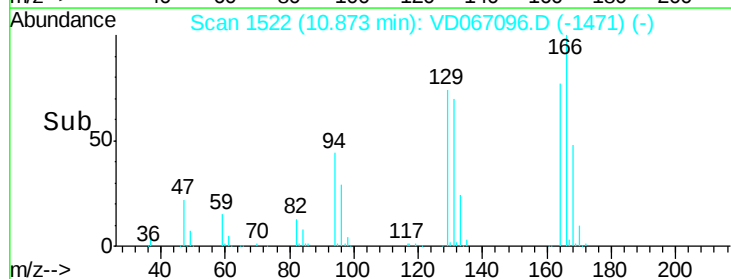
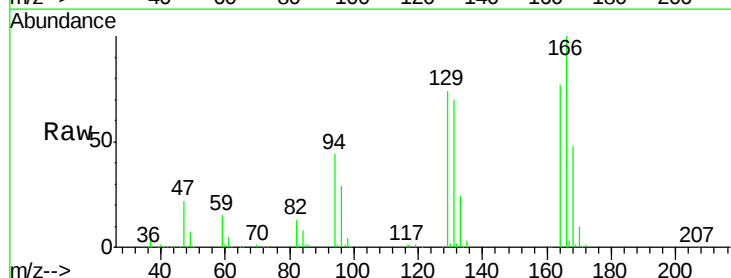
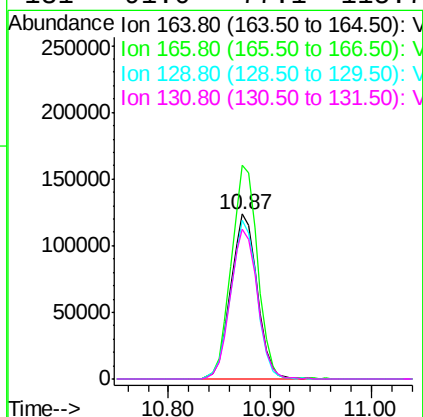
Manual Integrations
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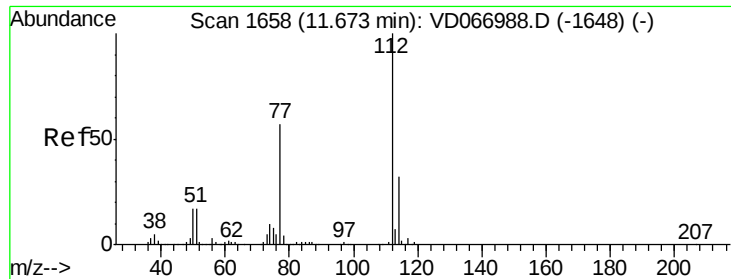
MMDadoda
10/7/2020 12:10:01 PM



#64
Tetrachloroethene
Concen: 52.808 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	104.4	156.6
129	96.1	81.3	121.9
131	91.0	77.1	115.7





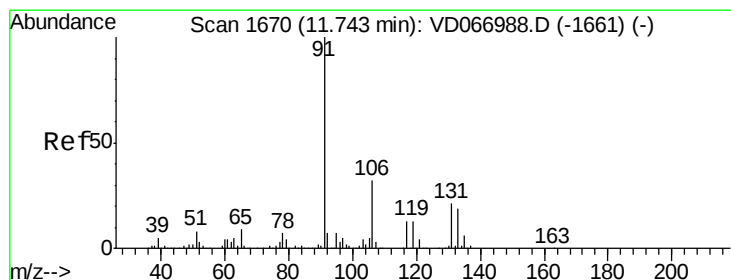
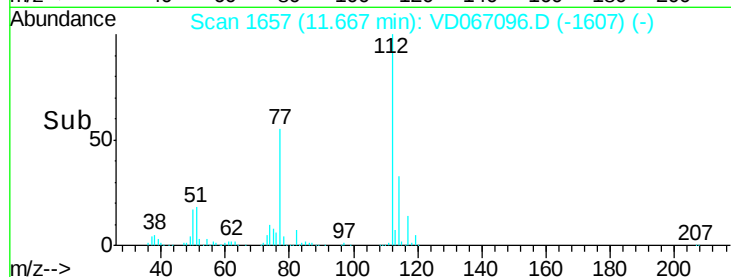
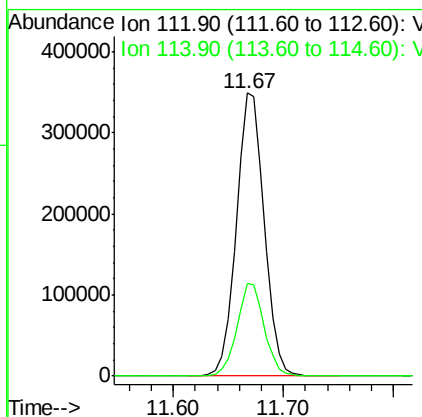
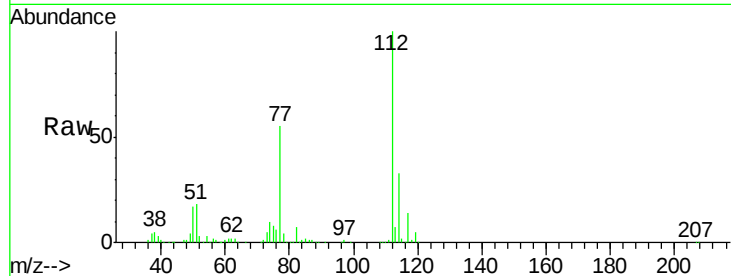
#65
Chlorobenzene
Concen: 53.167 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 616599
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0

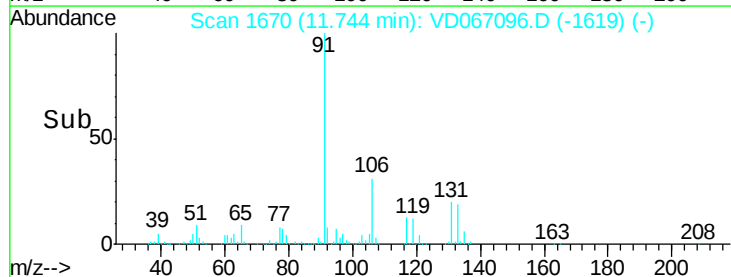
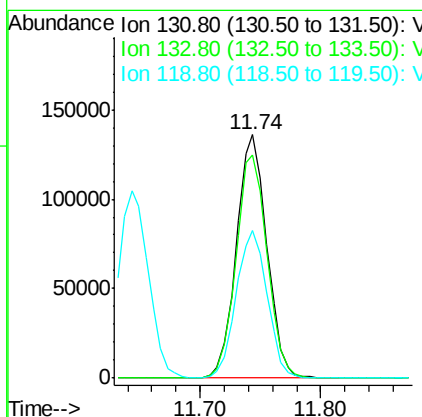
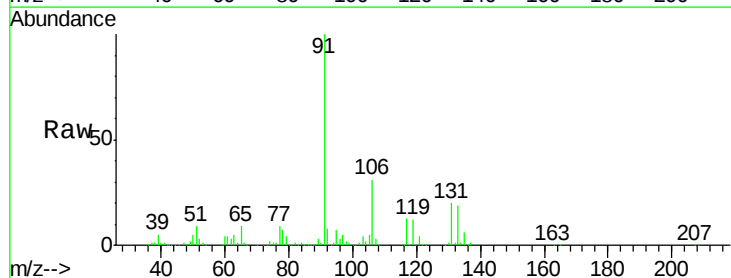
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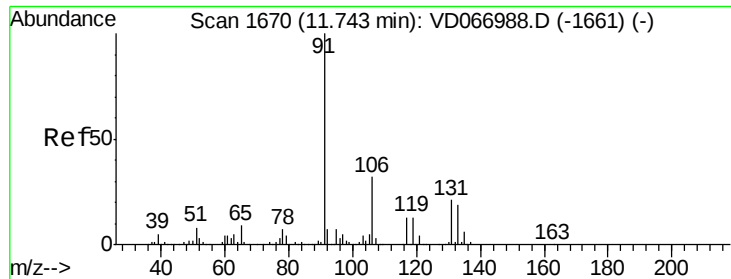
MMDadoda
10/7/2020 12:10:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.228 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion:131 Resp: 239225
Ion Ratio Lower Upper
131 100
133 93.8 47.8 143.3
119 61.9 32.3 96.8





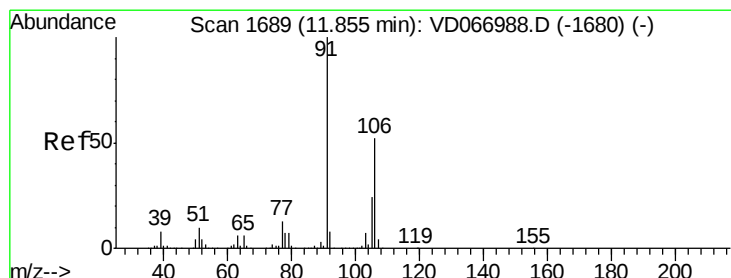
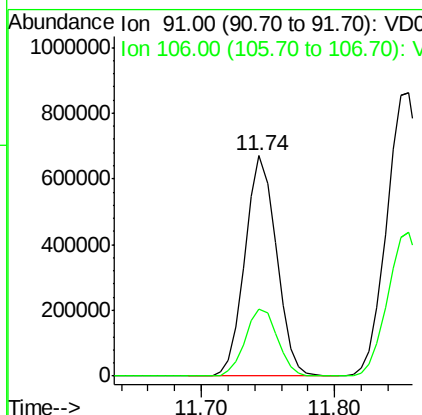
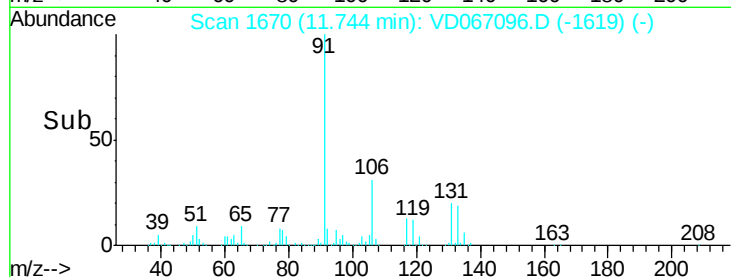
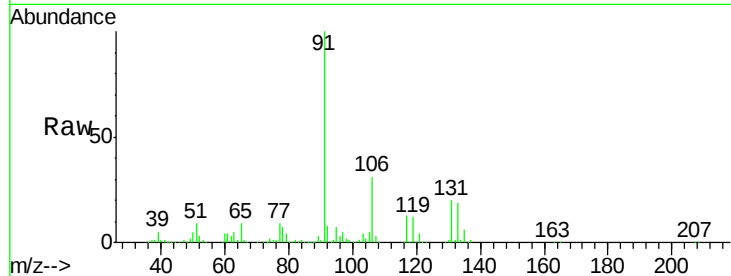
#67
Ethyl Benzene
Concen: 55.040 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1093693
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.2

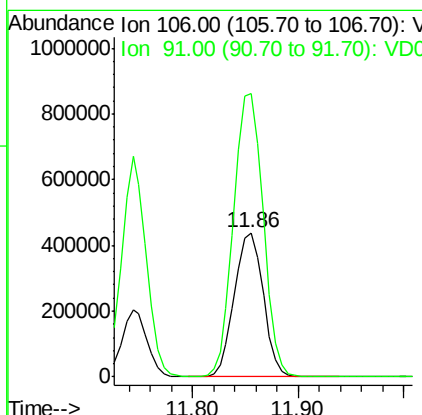
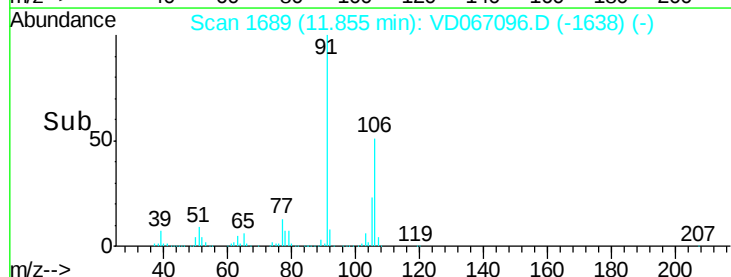
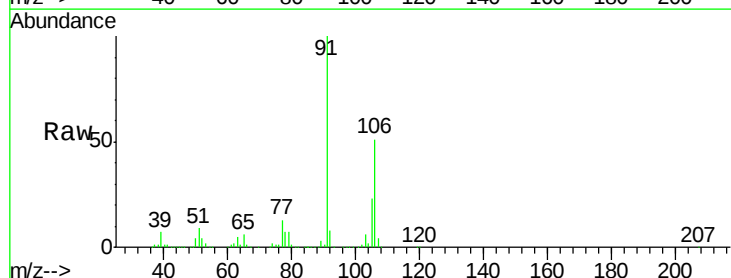
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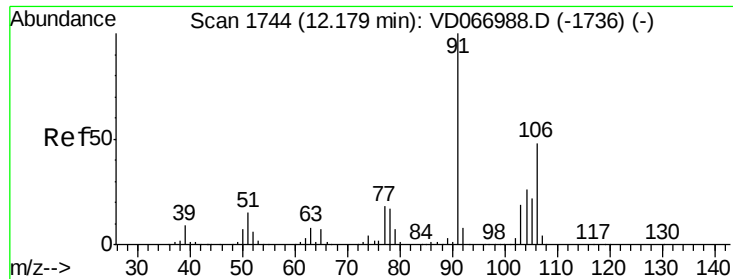
MMDadoda
10/7/2020 12:10:01 PM



#68
m/p-Xylenes
Concen: 107.500 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion: 106 Resp: 832485
Ion Ratio Lower Upper
106 100
91 201.1 158.4 237.6





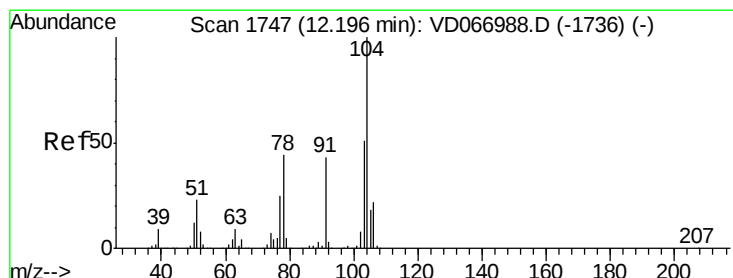
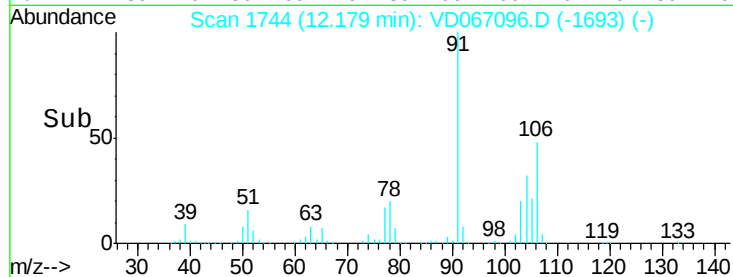
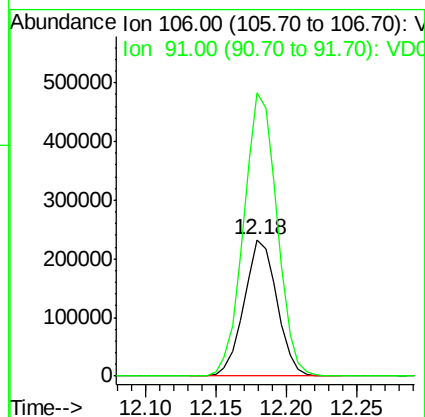
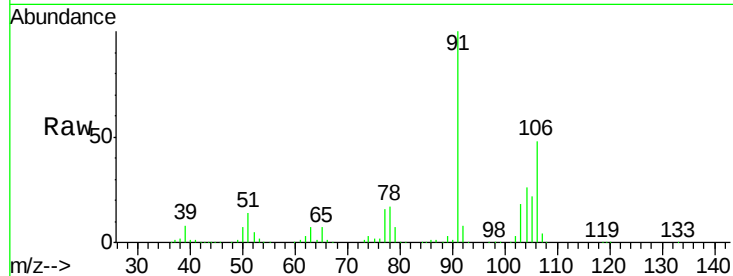
#69
o-Xylene
Concen: 54.774 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 379318
Ion Ratio Lower Upper
106 100
91 211.0 102.4 307.2

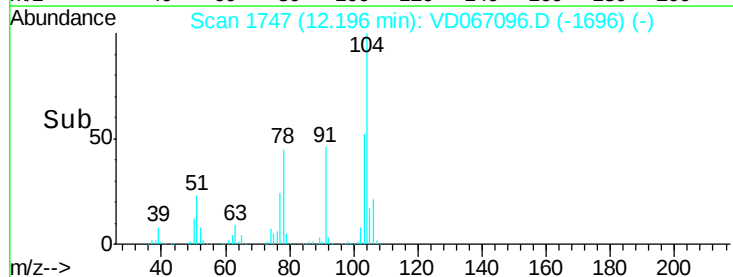
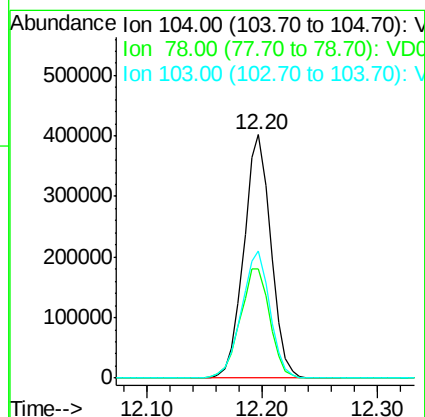
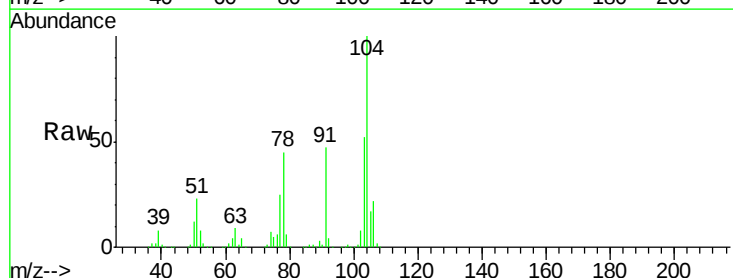
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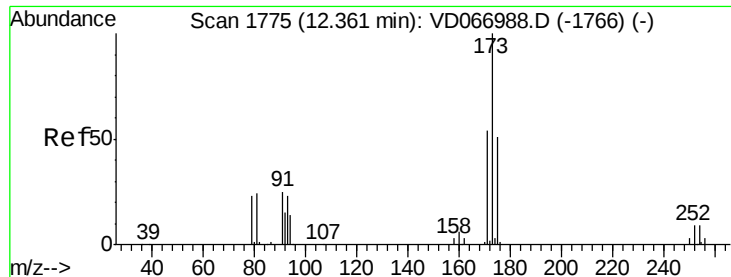
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#70
Styrene
Concen: 54.936 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion:104 Resp: 653272
Ion Ratio Lower Upper
104 100
78 49.3 38.6 58.0
103 54.9 43.4 65.0





#71

Bromoform

Concen: 55.478 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 127042

Ion Ratio Lower Upper

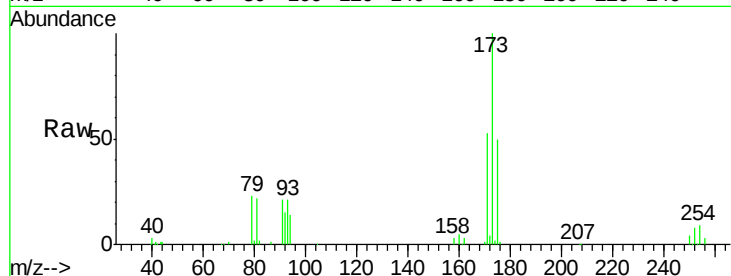
173 100

175 48.9 24.9 74.7

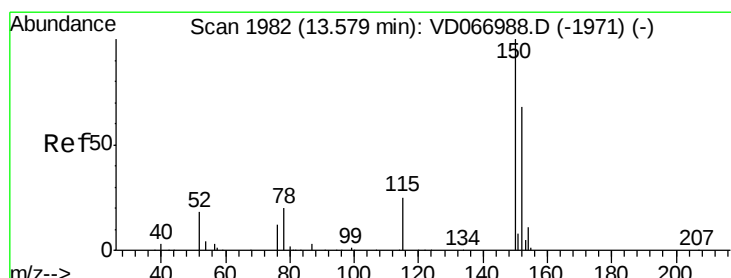
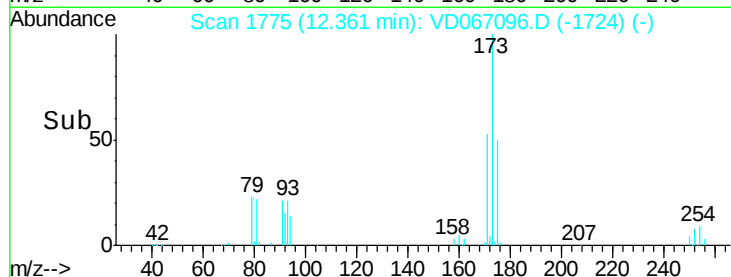
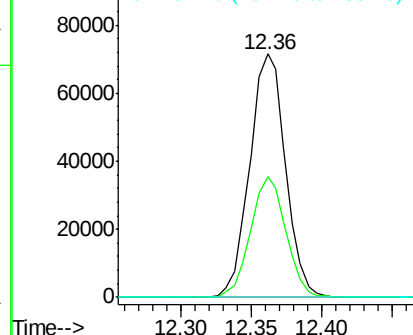
254 0.0 0.2 0.4#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

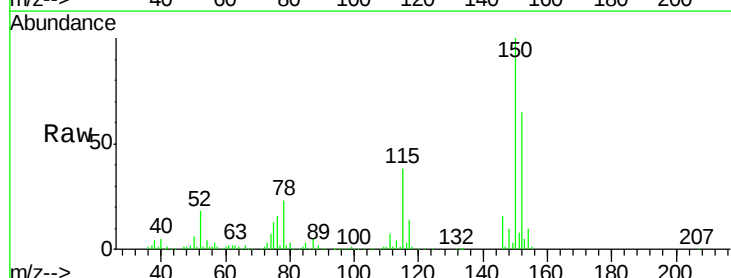
Tgt Ion:152 Resp: 286793

Ion Ratio Lower Upper

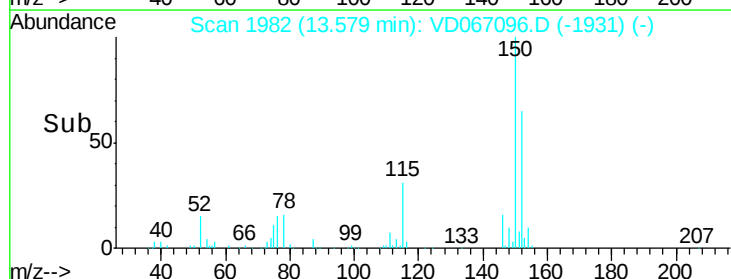
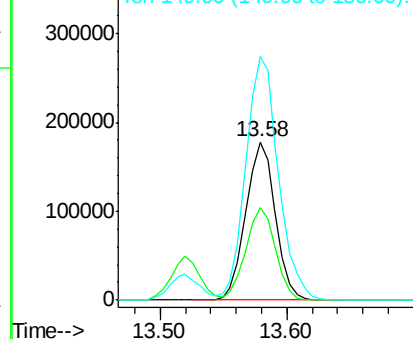
152 100

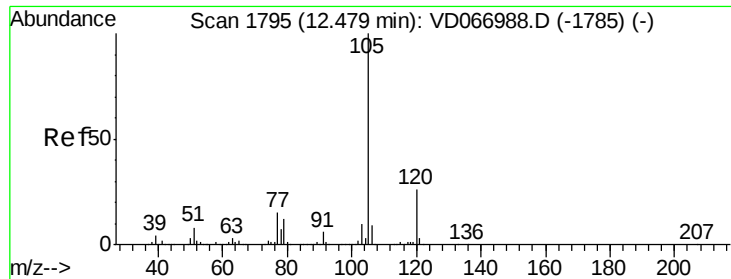
115 58.4 29.6 88.8

150 170.9 0.0 344.8



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





#73

Isopropylbenzene

Concen: 55.741 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1085482

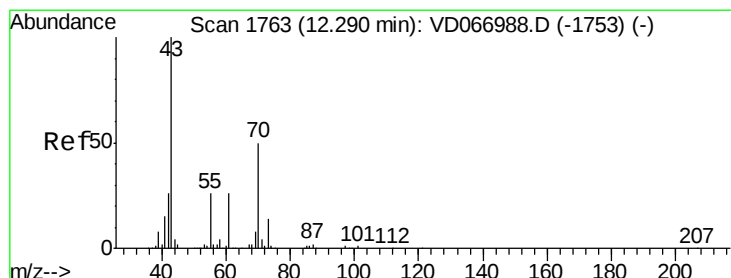
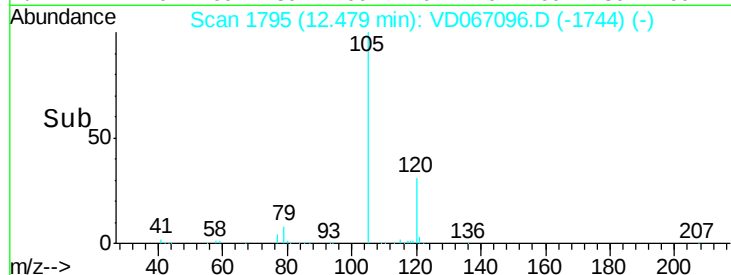
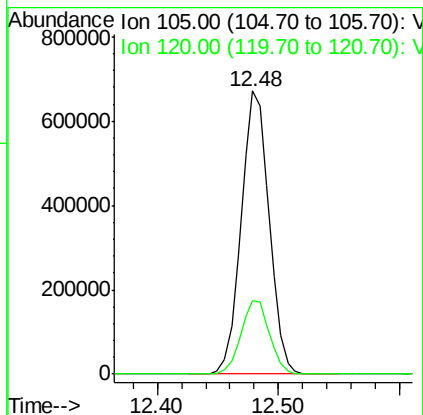
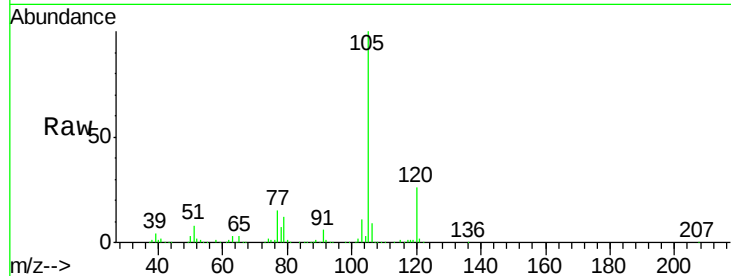
Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9

Manual Integrations
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10/7/2020 12:10:01 PM



#74

N-ethyl acetate

Concen: 49.648 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Tgt Ion: 43 Resp: 173802

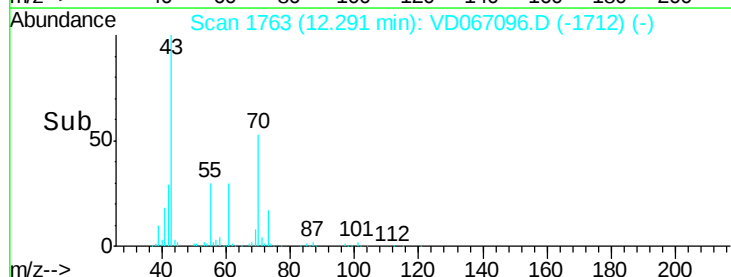
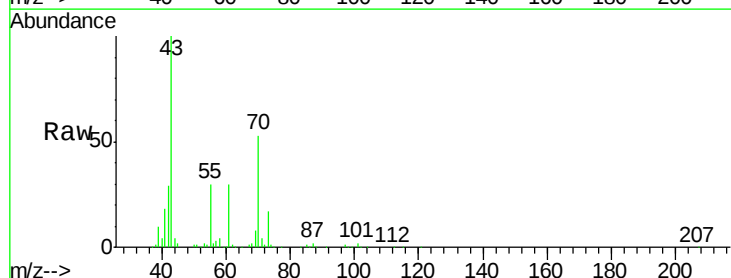
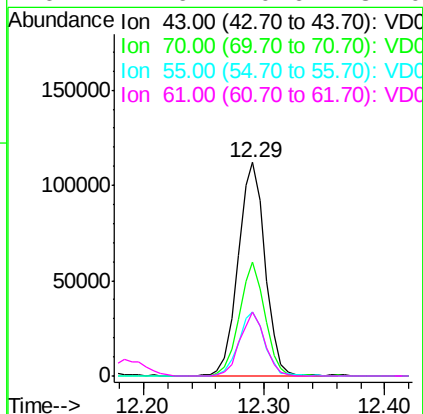
Ion Ratio Lower Upper

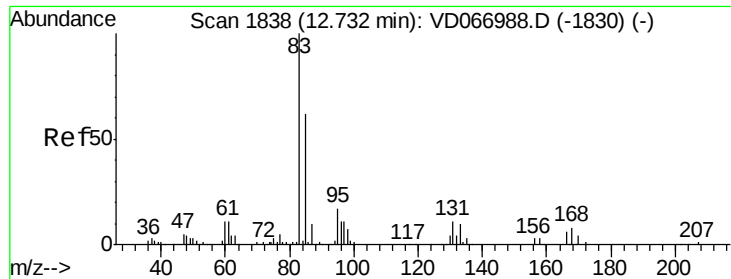
43 100

70 50.9 38.2 57.2

55 29.4 22.4 33.6

61 27.6 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.911 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

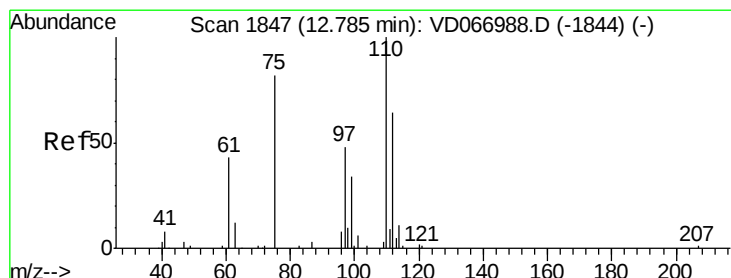
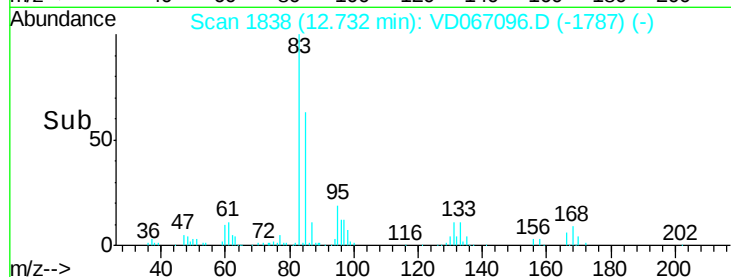
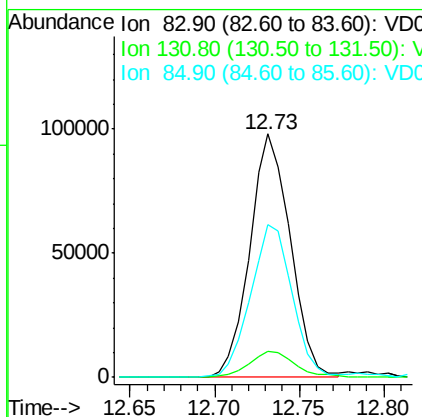
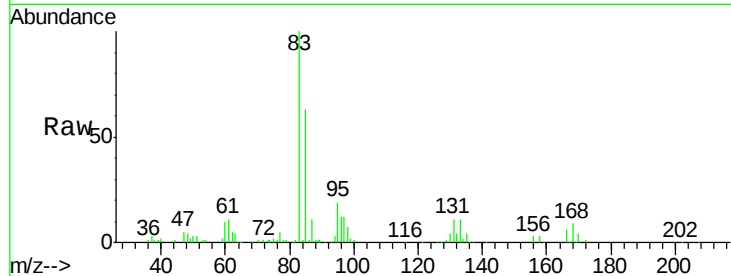
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	163758
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.7	17.0
85	64.7	32.0	96.2

Manual Integrations
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10/7/2020 12:10:01 PM



#76

1,2,3-Trichloropropane

Concen: 43.646 ug/l m

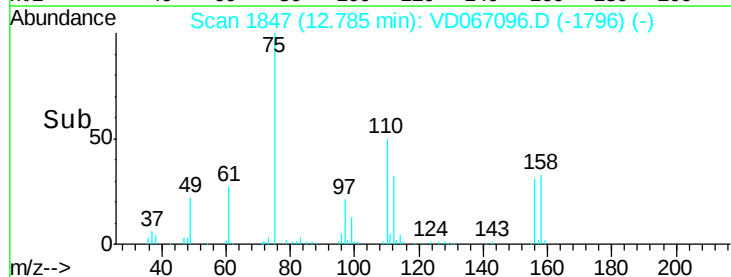
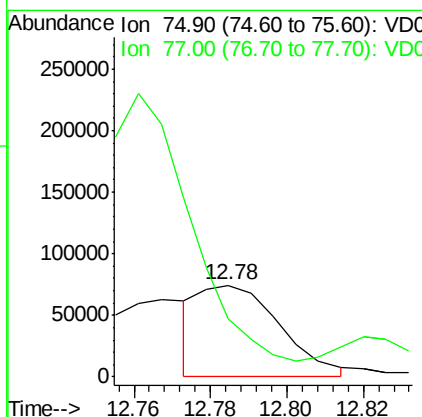
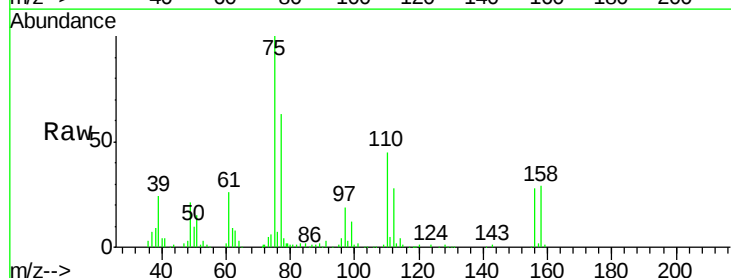
RT: 12.78 min Scan# 1847

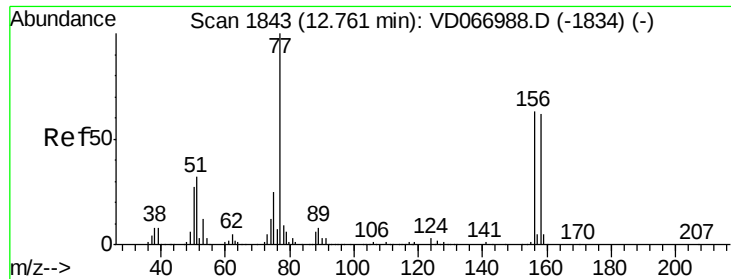
Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Tgt Ion:	75	Resp:	109030
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.185 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

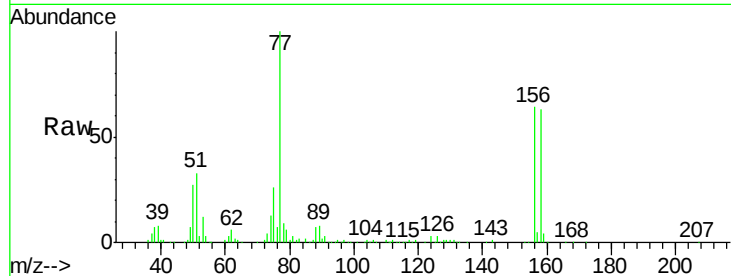
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	250084
Ion Ratio	Lower	Upper	
156	100		
77	166.0	86.3	258.8
158	97.4	49.5	148.3

Manual Integrations
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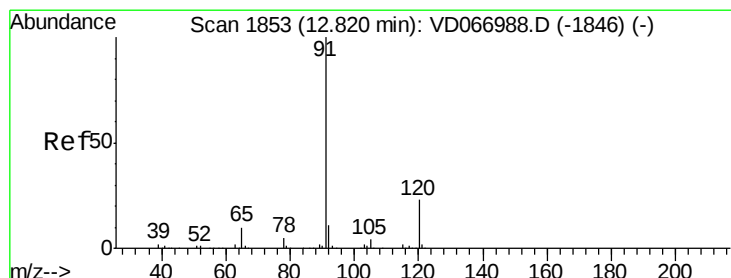
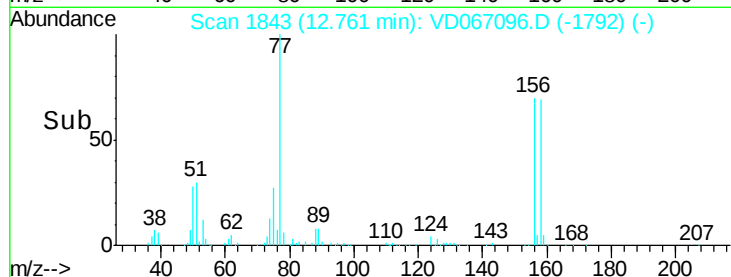
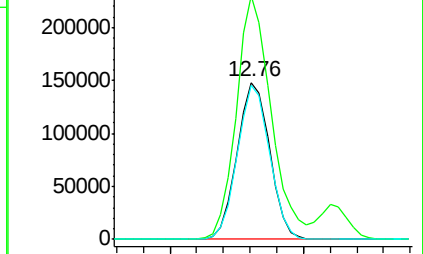
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.858 ug/l

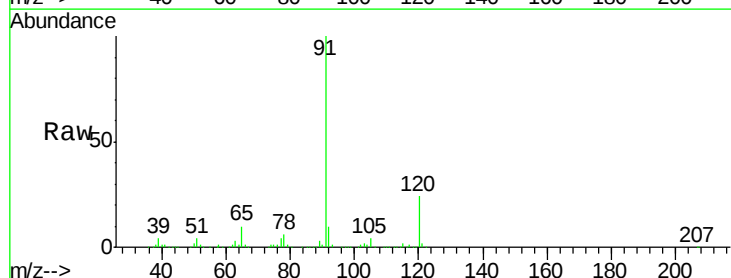
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD067096.D

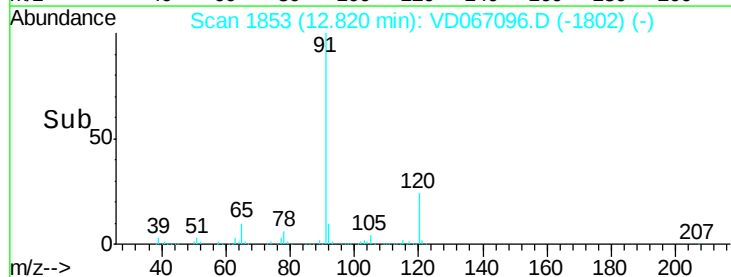
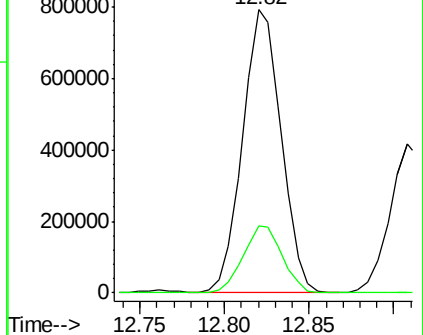
Acq: 06 Oct 2020 09:47

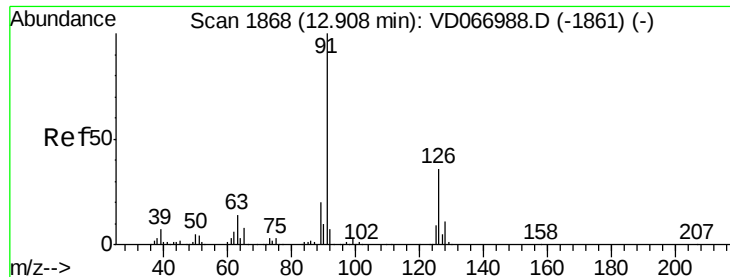
Tgt Ion:	91	Resp:	1262519
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.953 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 697270

Ion Ratio Lower Upper

91 100

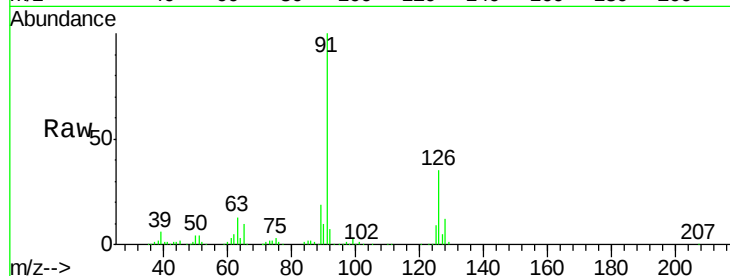
126 35.8 17.5 52.6

Manual Integrations

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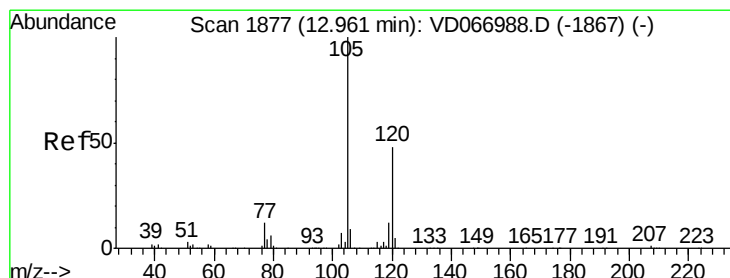
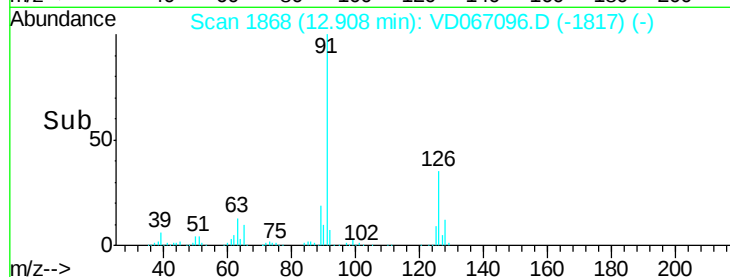
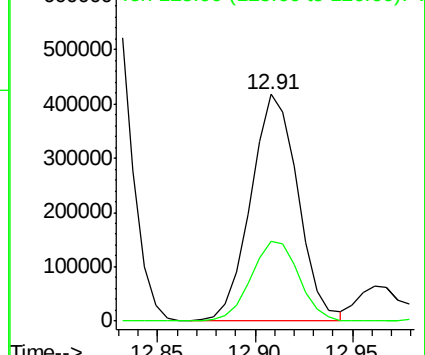
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Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066988.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.545 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067096.D

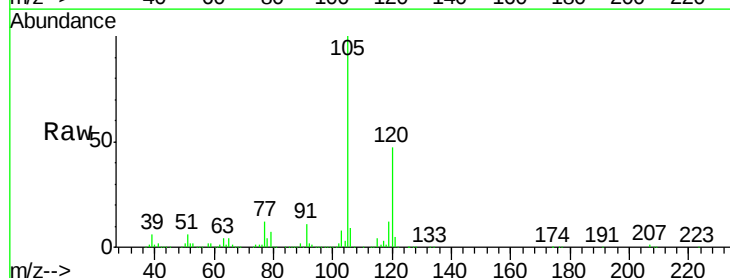
Acq: 06 Oct 2020 09:47

Tgt Ion: 105 Resp: 913876

Ion Ratio Lower Upper

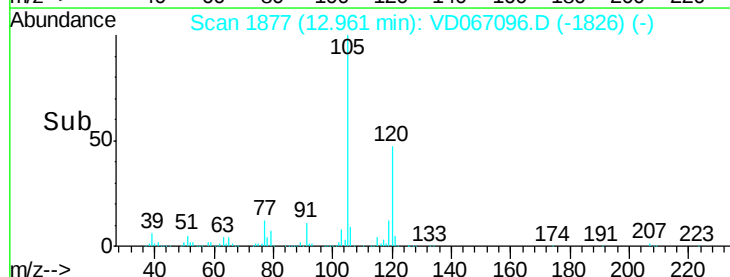
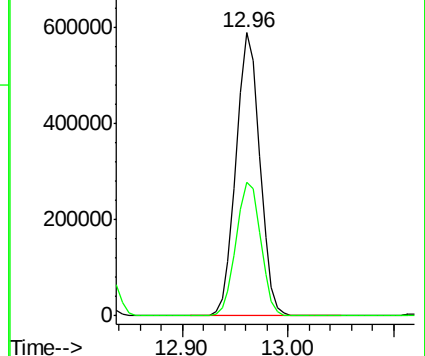
105 100

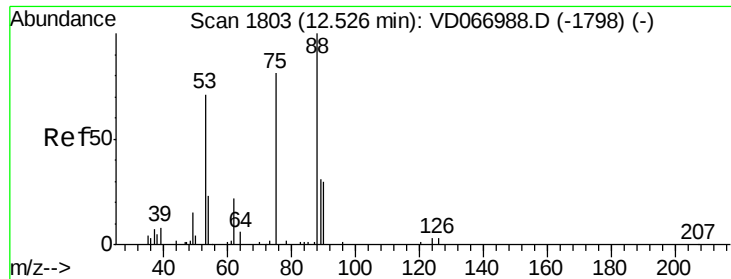
120 49.0 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VD066988.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD066988.D (-1867) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.502 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Instrument :

MSVOA_D

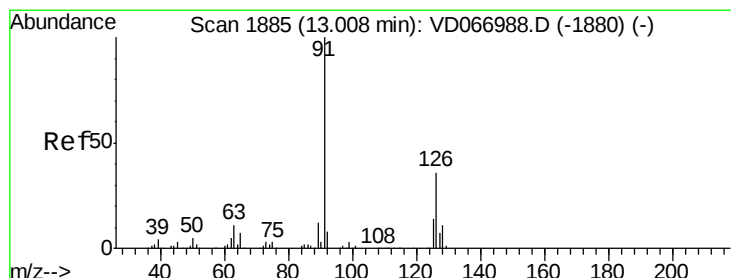
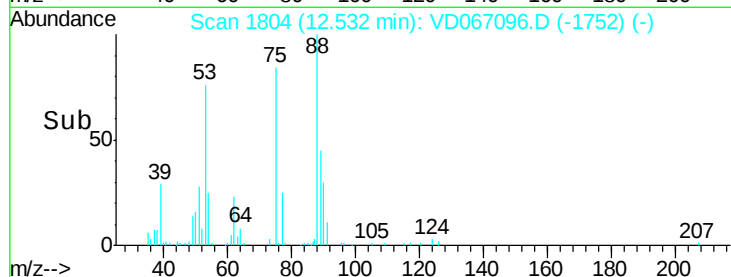
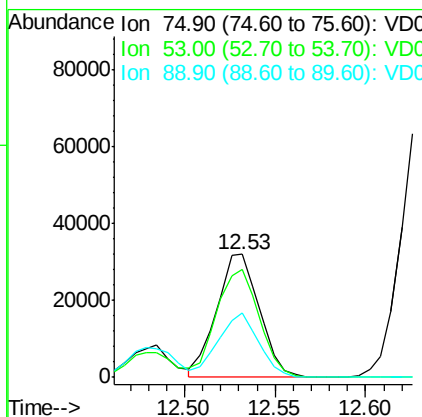
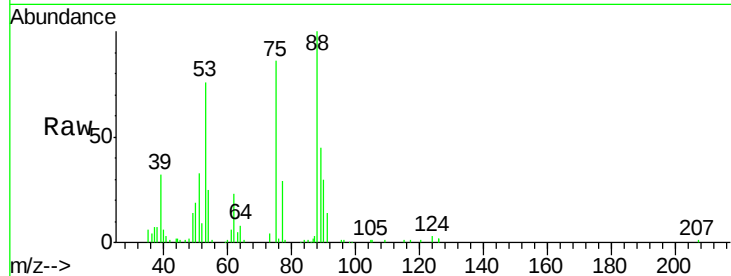
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	52606
Ion Ratio	Lower	Upper	
75	100		
53	88.0	73.8	110.6
89	49.6	38.9	58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.629 ug/l

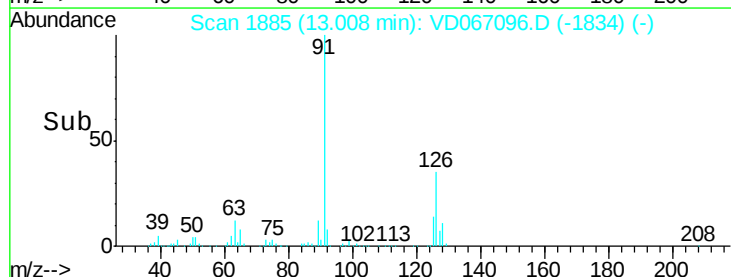
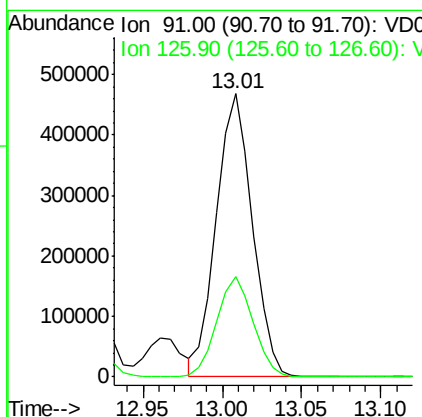
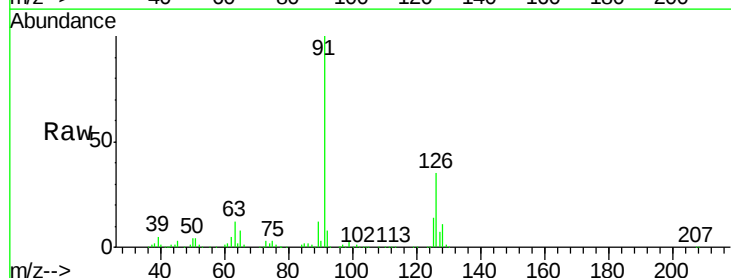
RT: 13.01 min Scan# 1885

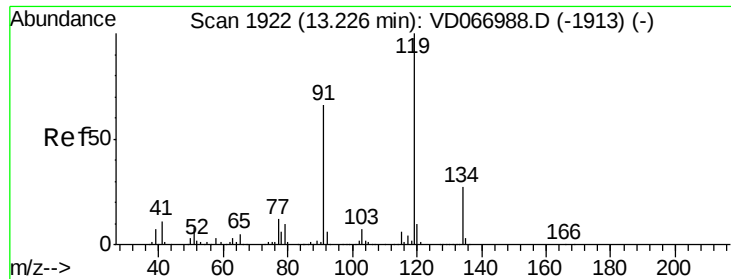
Delta R.T. 0.00 min

Lab File: VD067096.D

Acq: 06 Oct 2020 09:47

Tgt Ion:	91	Resp:	737312
Ion Ratio	Lower	Upper	
91	100		
126	35.7	17.5	52.5





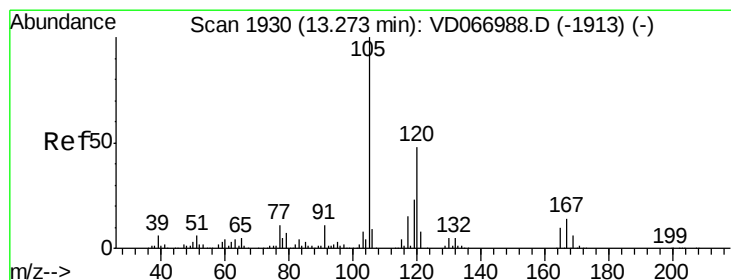
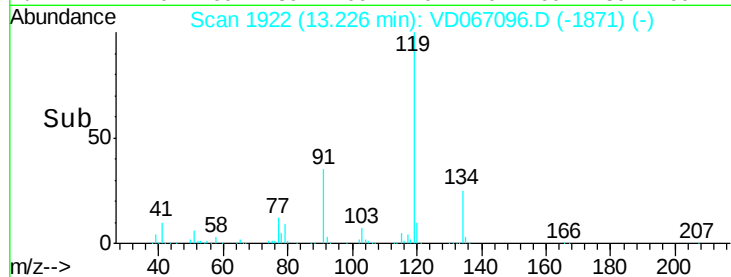
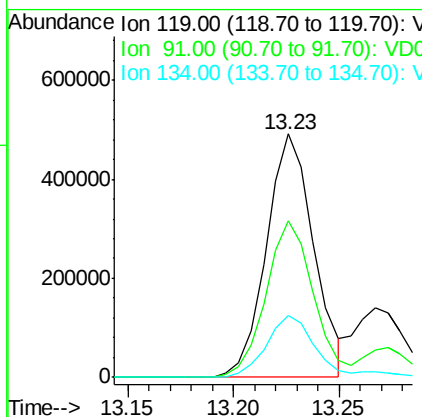
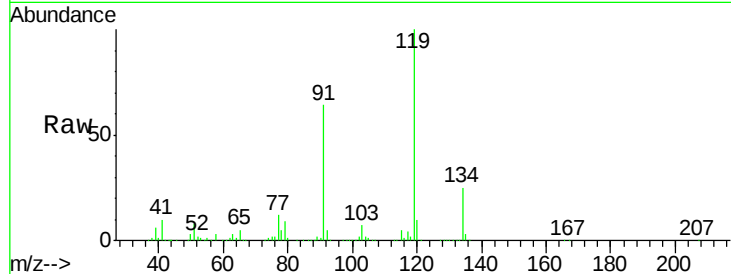
#83
tert-Butylbenzene
Concen: 55.247 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	765443		
91	64.6		32.8	98.3
134	27.3		13.9	41.7

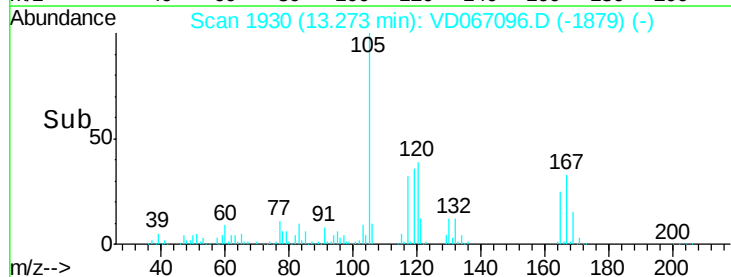
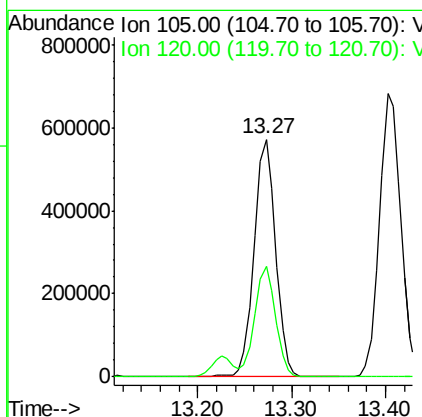
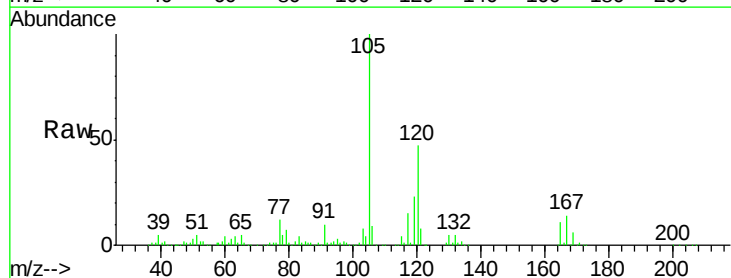
Manual Integrations
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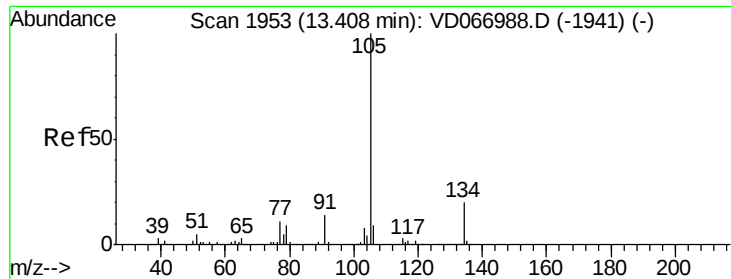
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#84
1,2,4-Trimethylbenzene
Concen: 55.249 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	907163		
120	45.3		23.3	69.8





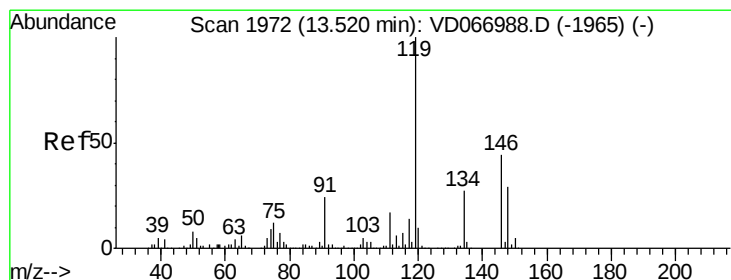
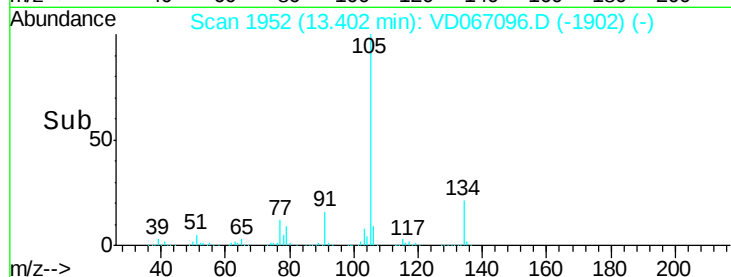
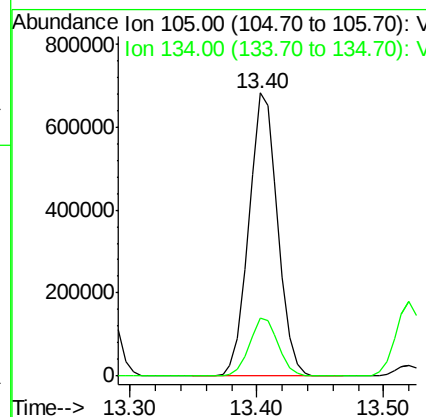
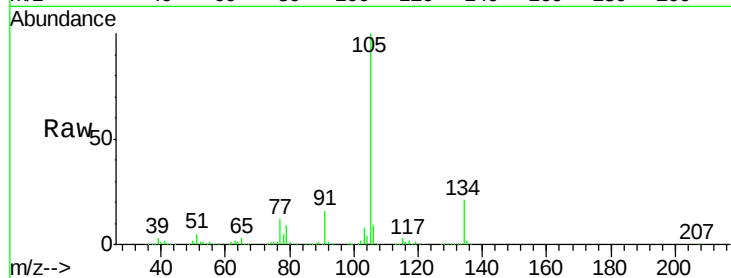
#85
 sec-Butylbenzene
 Concen: 54.930 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1071761
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8

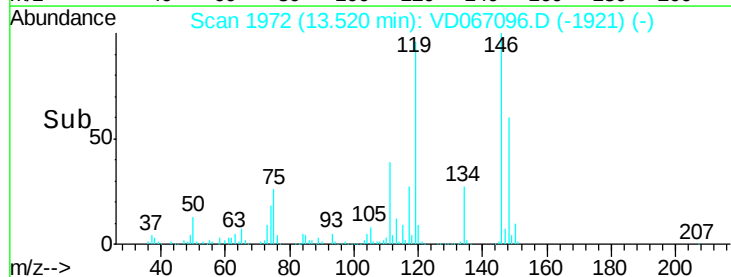
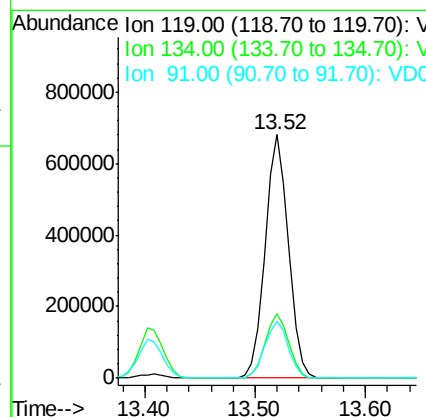
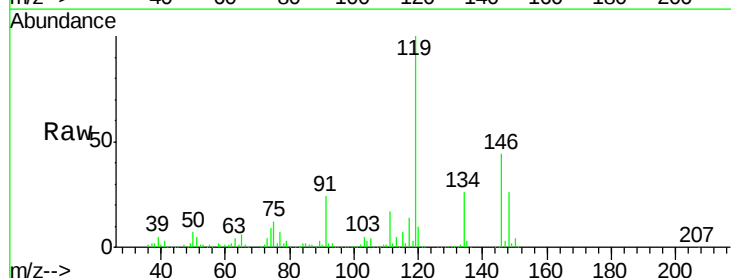
Manual Integrations
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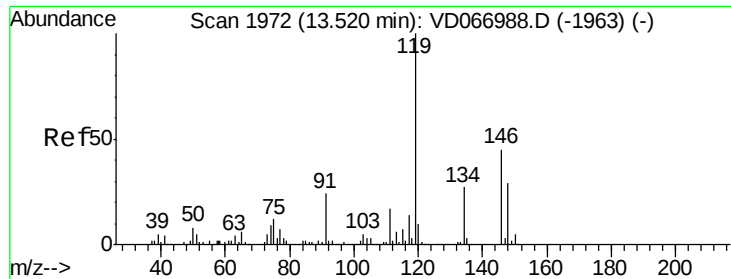
MMDadoda
 10/7/2020 12:10:01 PM



#86
 p-Isopropyltoluene
 Concen: 55.657 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion:119 Resp: 1006788
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.1 39.1
 91 23.7 11.7 35.1





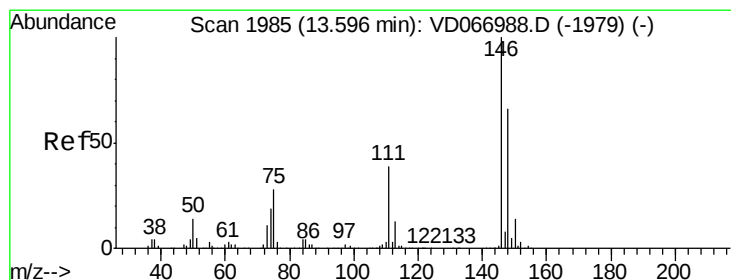
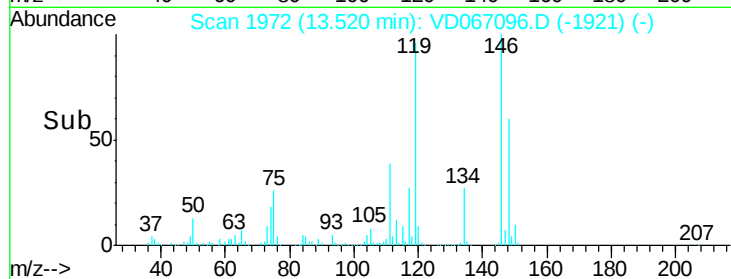
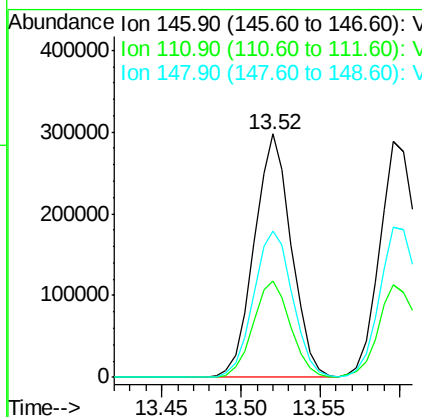
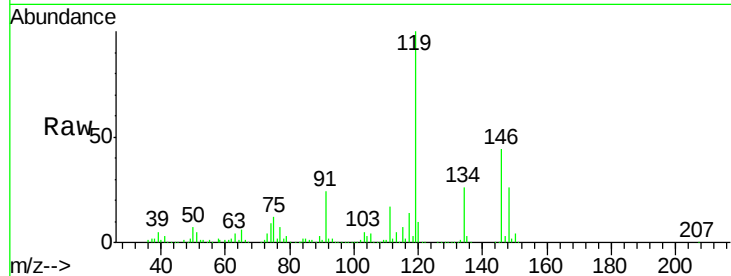
#87
 1,3-Dichlorobenzene
 Concen: 52.873 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	484263		
111	39.7	20.0	60.0	
148	62.8	31.9	95.9	

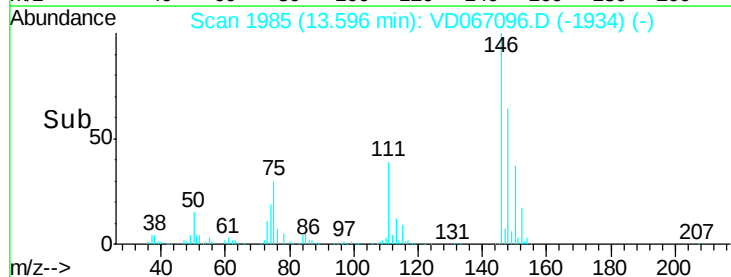
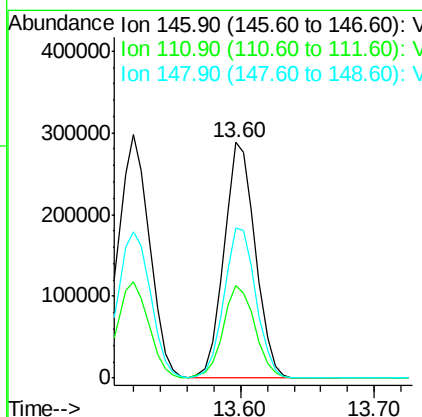
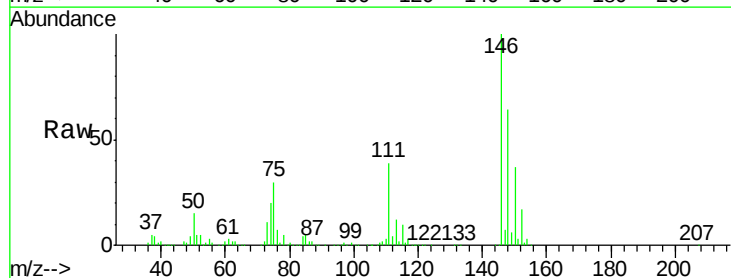
Manual Integrations
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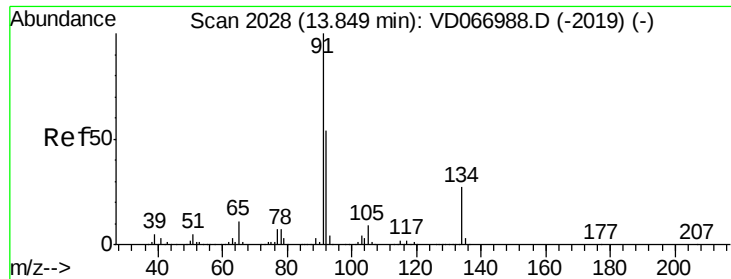
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#88
 1,4-Dichlorobenzene
 Concen: 51.663 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	473132		
111	39.7	19.6	58.7	
148	64.8	32.6	97.7	





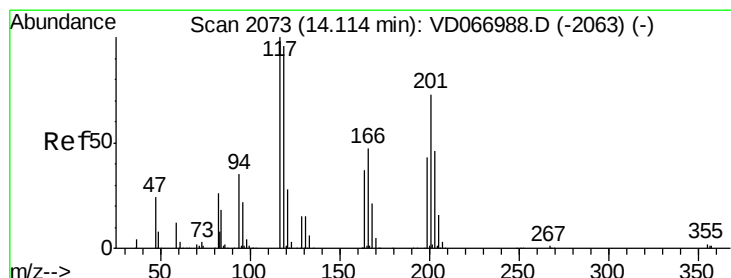
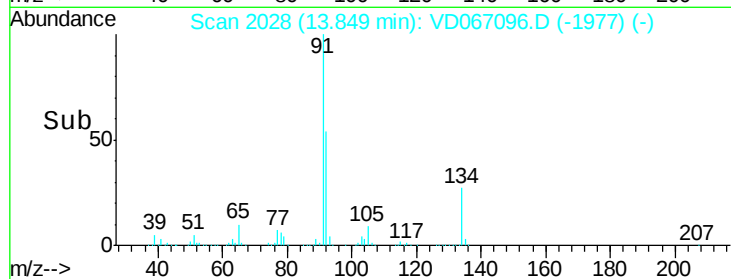
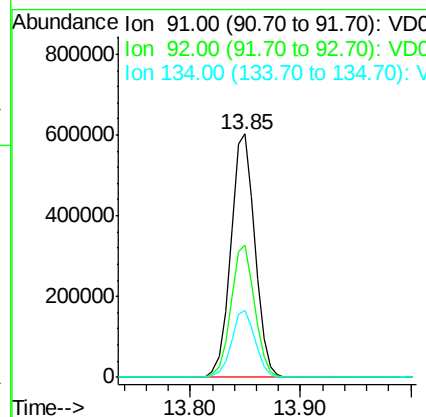
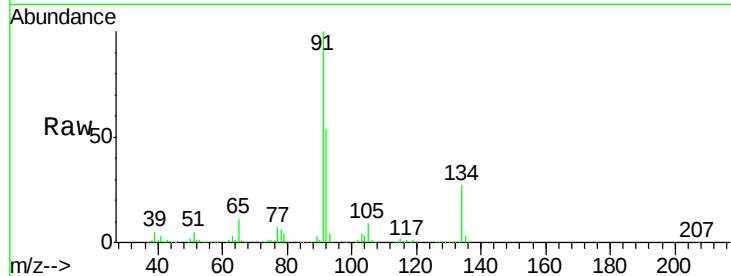
#89
n-Butylbenzene
Concen: 55.509 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.1	81.2
134	26.9	13.6	40.8

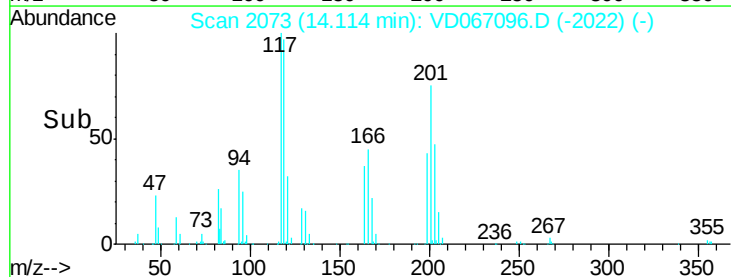
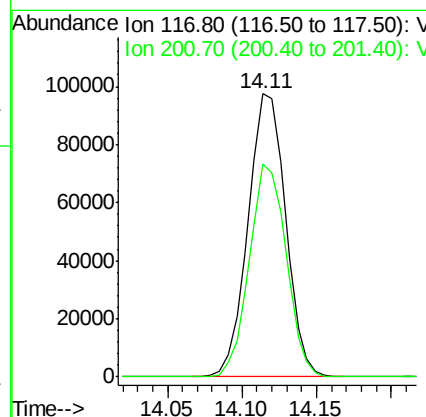
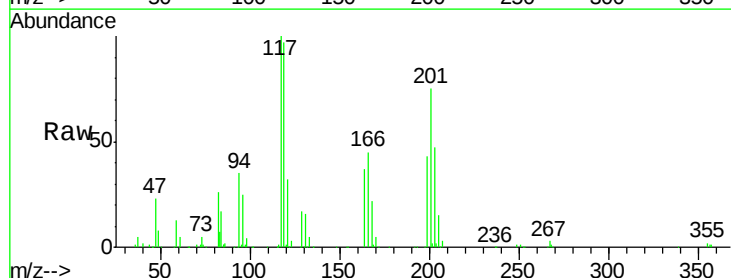
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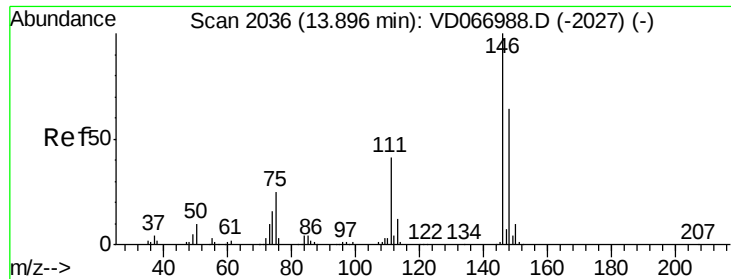
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#90
Hexachloroethane
Concen: 53.681 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.5	37.0	110.9





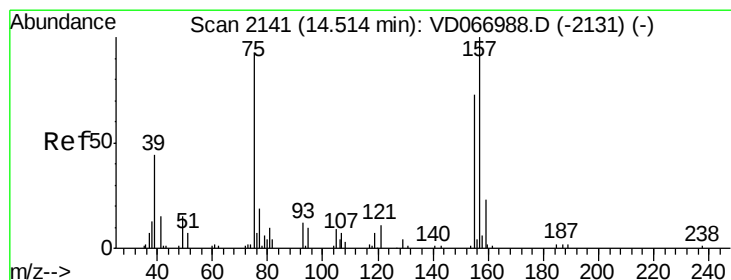
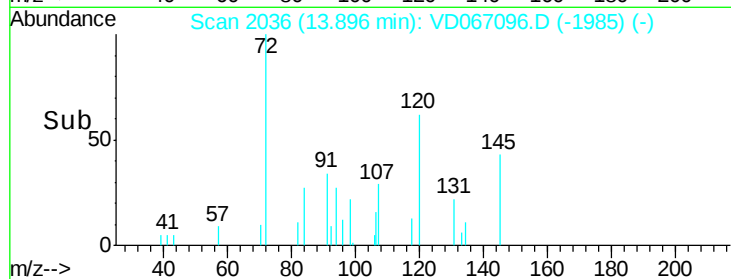
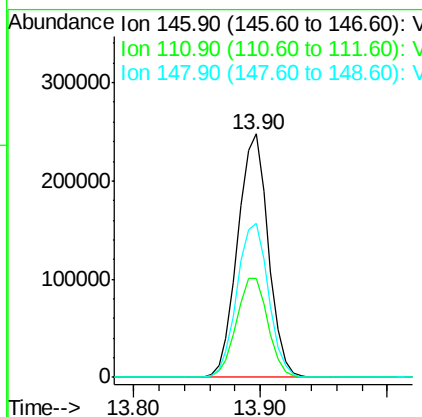
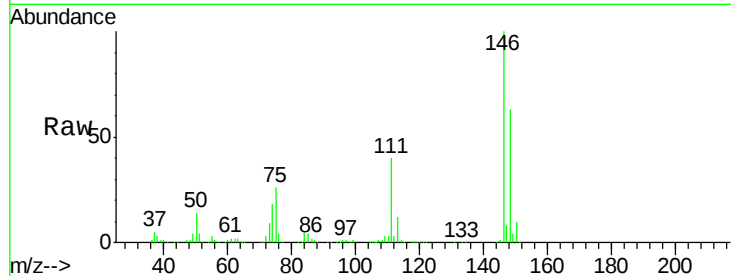
#91
 1,2-Dichlorobenzene
 Concen: 51.773 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.9	62.7
148	65.2	32.3	96.9

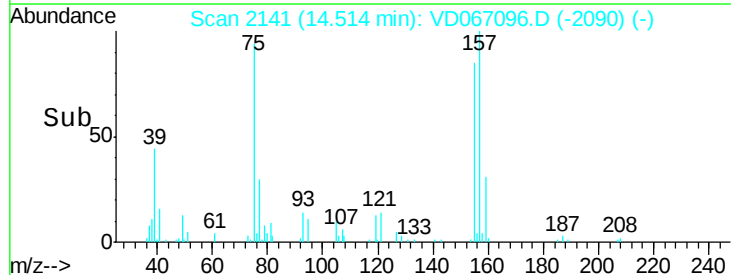
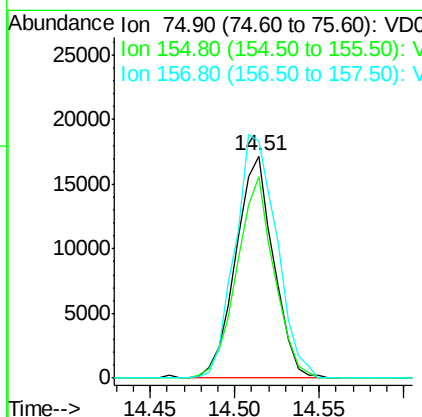
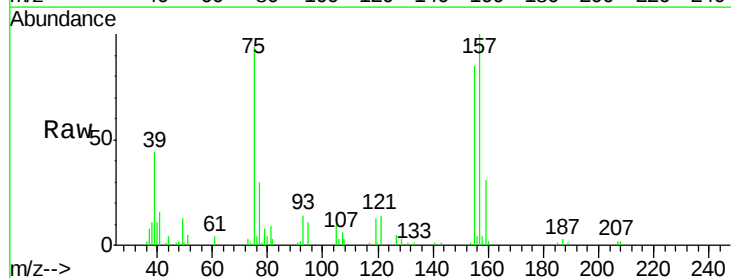
Manual Integrations
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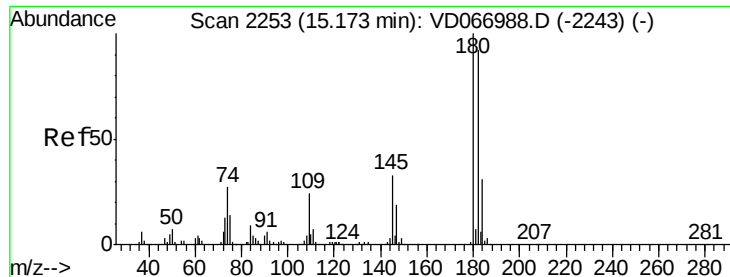
MMDadoda
 10/7/2020 12:10:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.562 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	45.2	135.6
157	120.5	56.3	168.8





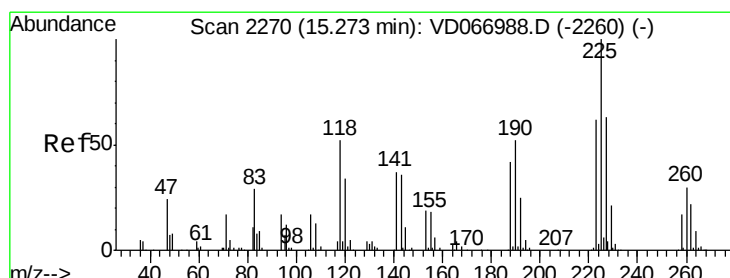
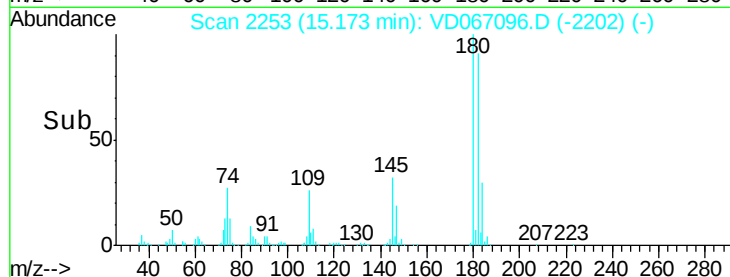
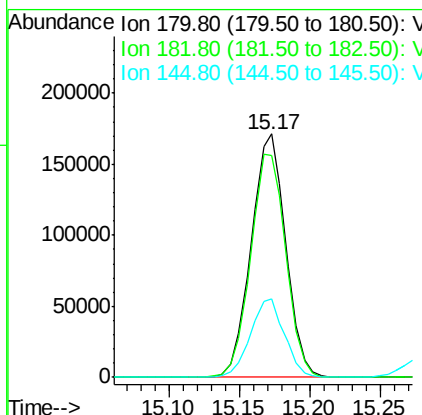
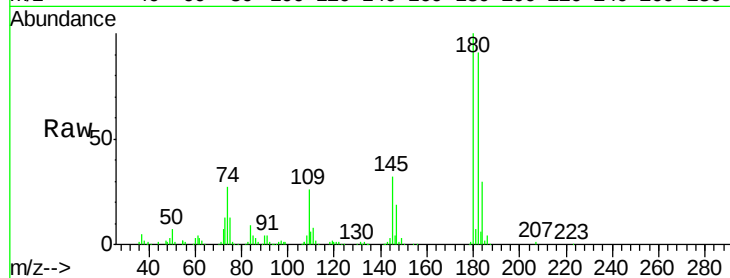
#93
 1,2,4-Trichlorobenzene
 Concen: 56.780 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	293774		
182	93.8	47.3	142.0	
145	31.8	16.4	49.1	

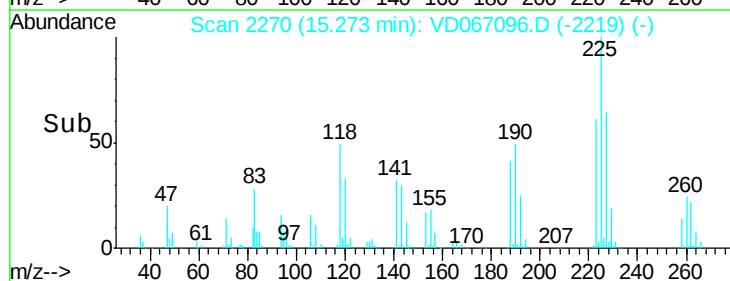
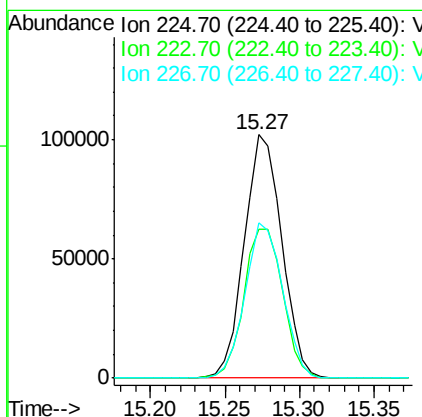
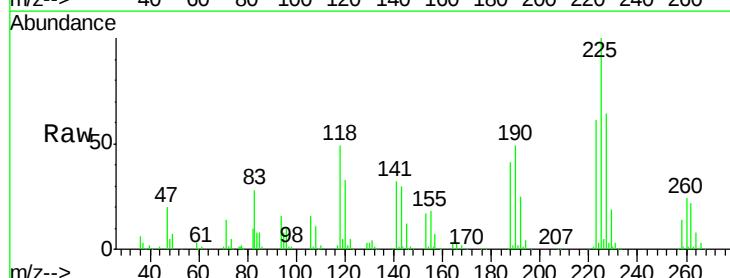
Manual Integrations
 APPROVED

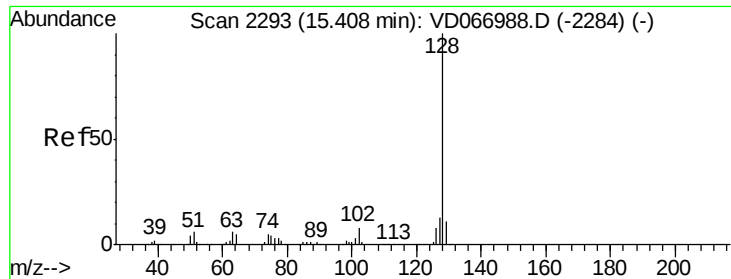
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#94
 Hexachlorobutadiene
 Concen: 56.044 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067096.D
 Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	178082		
223	63.2	32.4	97.0	
227	63.7	31.6	95.0	





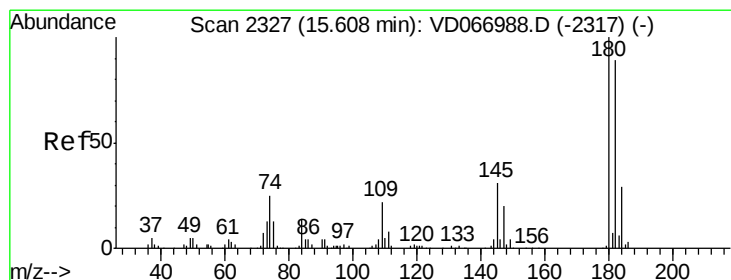
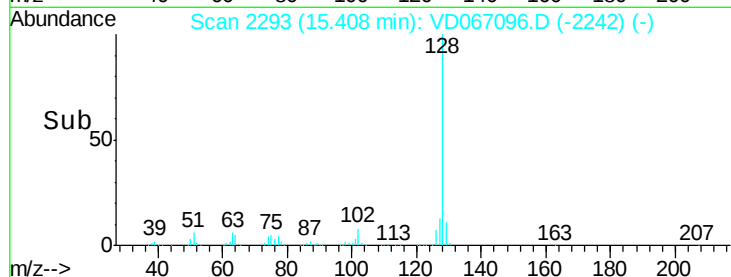
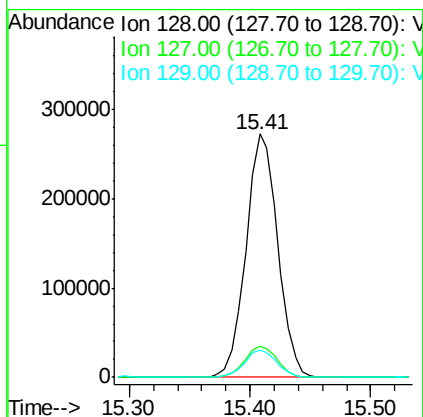
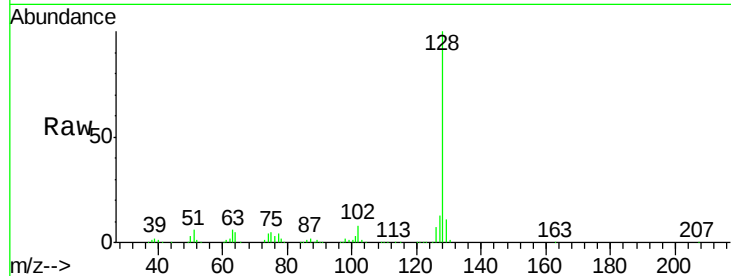
#95
Naphthalene
Concen: 57.772 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.4	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 56.536 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067096.D
Acq: 06 Oct 2020 09:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.4	139.1
145	34.9	16.6	49.7

