

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067630.D
 Acq On : 16 Nov 2020 10:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 17 01:05:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	289954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	404675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	363069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	184157	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	119539	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	7.92	113	123028	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.34	98	419930	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.64	95	152575	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	118570	50.570	ug/l	98
3) Chloromethane	2.21	50	74012	40.990	ug/l	99
4) Vinyl Chloride	2.35	62	87476	43.454	ug/l	93
5) Bromomethane	2.77	94	73764	45.208	ug/l	99
6) Chloroethane	2.93	64	58141	46.846	ug/l	98
7) Trichlorofluoromethane	3.28	101	265737	50.982	ug/l	94
8) Diethyl Ether	3.71	74	50225	47.821	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	132217	50.252	ug/l	98
10) Methyl Iodide	4.30	142	141247	50.089	ug/l	99
11) Tert butyl alcohol	5.21	59	30292	279.650	ug/l	97
12) 1,1-Dichloroethene	4.07	96	117553	48.573	ug/l	97
13) Acrolein	3.92	56	27433	244.486	ug/l	98
14) Allyl chloride	4.72	41	127717	49.309	ug/l	99
15) Acrylonitrile	5.42	53	92809	239.049	ug/l	99
16) Acetone	4.15	43	100509	264.917	ug/l	97
17) Carbon Disulfide	4.41	76	342189	46.143	ug/l	99
18) Methyl Acetate	4.71	43	36332	46.341	ug/l	94
19) Methyl tert-butyl Ether	5.49	73	244270	51.170	ug/l	99
20) Methylene Chloride	4.97	84	124922	46.612	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	138535	49.147	ug/l	99
22) Diisopropyl ether	6.36	45	251238	49.775	ug/l #	92
23) Vinyl Acetate	6.31	43	681325	257.875	ug/l	99
24) 1,1-Dichloroethane	6.27	63	203772	49.348	ug/l	95
25) 2-Butanone	7.21	43	95190	234.807	ug/l	92
26) 2,2-Dichloropropane	7.21	77	229956	52.767	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	150452	51.423	ug/l	98
28) Bromochloromethane	7.55	49	69601	47.387	ug/l	98
29) Tetrahydrofuran	7.57	42	60060	247.329	ug/l	98
30) Chloroform	7.71	83	253210	51.401	ug/l	98
31) Cyclohexane	7.99	56	167554	45.566	ug/l #	81
32) 1,1,1-Trichloroethane	7.91	97	260975	51.345	ug/l	100
36) 1,1-Dichloropropene	8.11	75	183838	53.072	ug/l	100
37) Ethyl Acetate	7.29	43	44928	49.958	ug/l	97
38) Carbon Tetrachloride	8.10	117	252679	56.143	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	221922	54.433	ug/l	99
40) Benzene	8.36	78	500304	53.320	ug/l	99
41) Methacrylonitrile	7.52	41	23875	44.414	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	157819	54.438	ug/l	98
43) Isopropyl Acetate	8.46	43	91223	51.291	ug/l	99
44) Trichloroethene	9.11	130	162429	52.648	ug/l	99
45) 1,2-Dichloropropane	9.39	63	106539	52.517	ug/l	93
46) Dibromomethane	9.48	93	67311	52.184	ug/l	97
47) Bromodichloromethane	9.67	83	191733	54.688	ug/l	99
48) Methyl methacrylate	9.46	41	44076	47.997	ug/l	89
49) 1,4-Dioxane	9.46	88	13202	1008.205	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	228209	268.293	ug/l	99
52) Toluene	10.41	92	348653	55.476	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	168207	56.019	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	186236	52.203	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	90664	53.123	ug/l	96
56) Ethyl methacrylate	10.66	69	95349	54.101	ug/l	97
57) 1,3-Dichloropropane	10.95	76	145237	52.884	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	202500	246.388	ug/l	97
59) 2-Hexanone	10.99	43	169638	285.231	ug/l	96
60) Dibromochloromethane	11.14	129	136089	53.904	ug/l	97
61) 1,2-Dibromoethane	11.25	107	90610	52.899	ug/l	99
64) Tetrachloroethene	10.88	164	142117	52.854	ug/l	98
65) Chlorobenzene	11.67	112	378564	54.129	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	149004	54.056	ug/l	99
67) Ethyl Benzene	11.75	91	672337	56.180	ug/l	99
68) m/p-Xylenes	11.86	106	517429	111.133	ug/l	99
69) o-Xylene	12.18	106	236574	56.911	ug/l	97
70) Styrene	12.20	104	405281	55.951	ug/l	98
71) Bromoform	12.37	173	77306	54.990	ug/l #	98
73) Isopropylbenzene	12.48	105	680580	57.183	ug/l	99
74) N-amyl acetate	12.29	43	82505	52.682	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	85032	52.394	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	121776	109.615	ug/l #	100
77) Bromobenzene	12.77	156	160297	54.841	ug/l	97
78) n-propylbenzene	12.83	91	766085	56.274	ug/l	100
79) 2-Chlorotoluene	12.91	91	431094	55.746	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	587888	57.823	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	29515	53.939	ug/l	97
82) 4-Chlorotoluene	13.01	91	463750	55.915	ug/l	100
83) tert-Butylbenzene	13.23	119	499878	58.013	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	572943	56.613	ug/l	98
85) sec-Butylbenzene	13.41	105	663197	57.015	ug/l	100
86) p-Isopropyltoluene	13.52	119	641923	57.147	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	311064	55.773	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	303035	53.659	ug/l	100
89) n-Butylbenzene	13.85	91	555701	57.275	ug/l	99
90) Hexachloroethane	14.11	117	118166	55.862	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	265183	54.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16292	56.698	ug/l	94

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Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

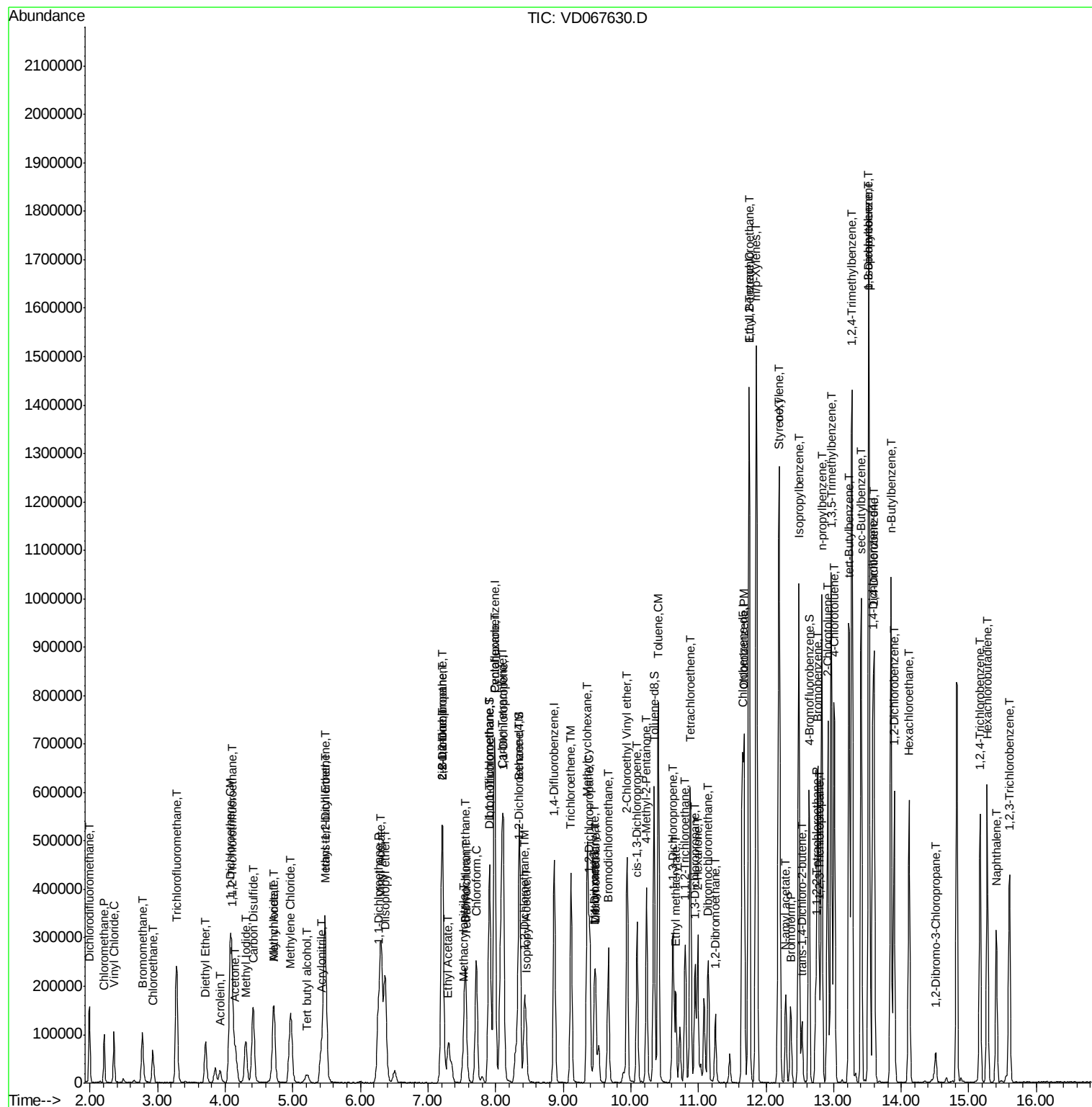
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	186202	56.835	ug/l	99
94) Hexachlorobutadiene	15.27	225	120586	54.996	ug/l	99
95) Naphthalene	15.41	128	288488	57.059	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	152511	54.361	ug/l	98

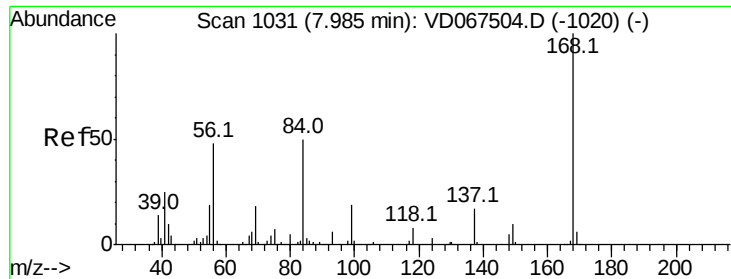
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

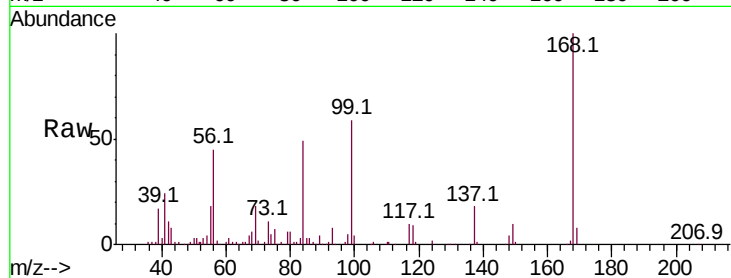
VSTDCCC050

Tot Ion:168 Resp: 289954

Ion Ratio Lower Upper

168 100

99 58.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

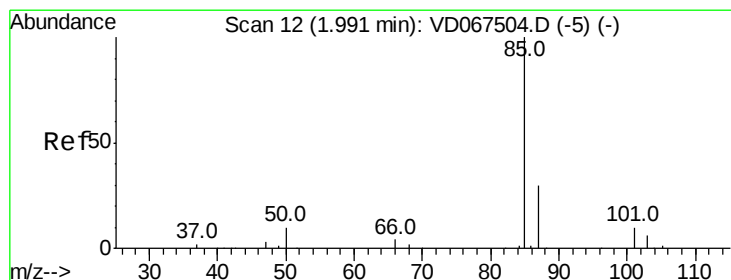
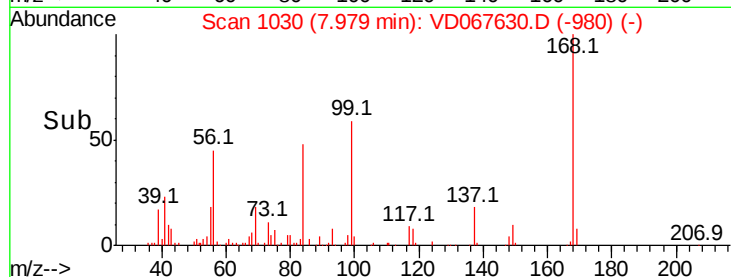
7.98

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.570 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067630.D

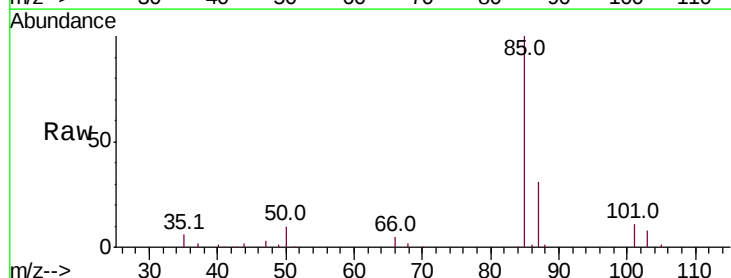
Acq: 16 Nov 2020 10:11

Tgt Ion: 85 Resp: 118570

Ion Ratio Lower Upper

85 100

87 31.5 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

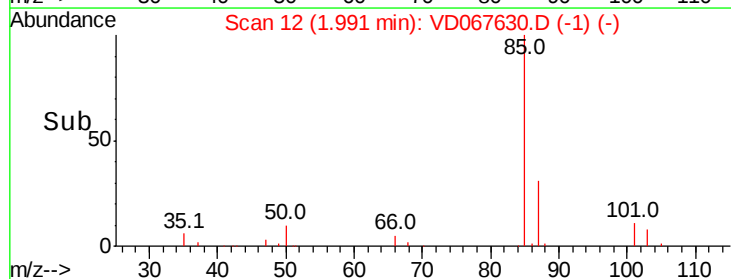
60000

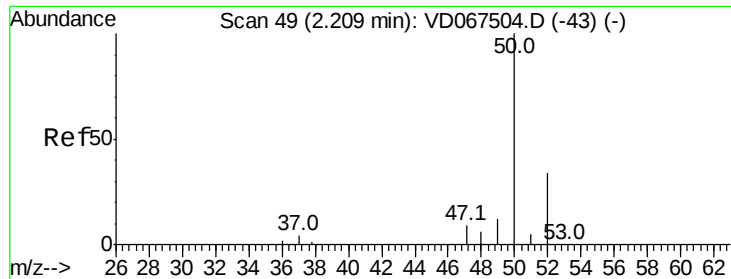
40000

20000

0

Time-->





#3

Chloromethane

Concen: 40.990 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

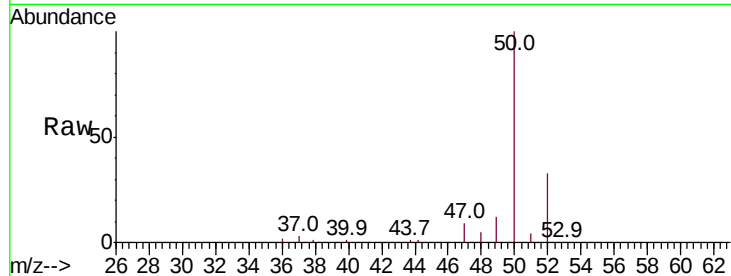
VSTDCCC050

Tot Ion: 50 Resp: 74012

Ion Ratio Lower Upper

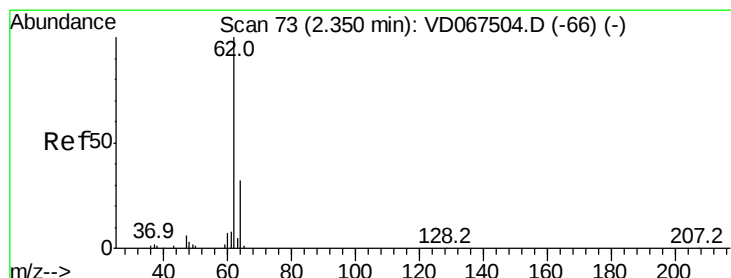
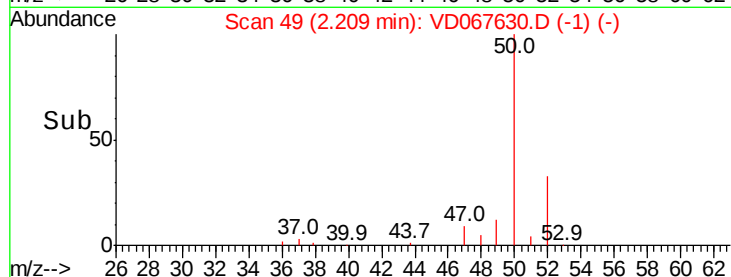
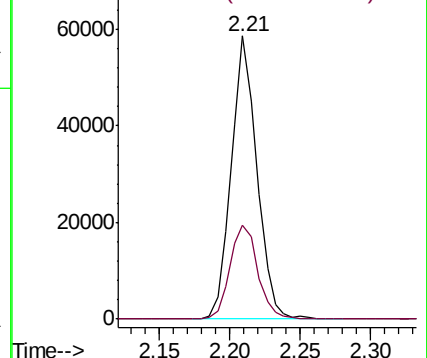
50 100

52 33.3 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.454 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067630.D

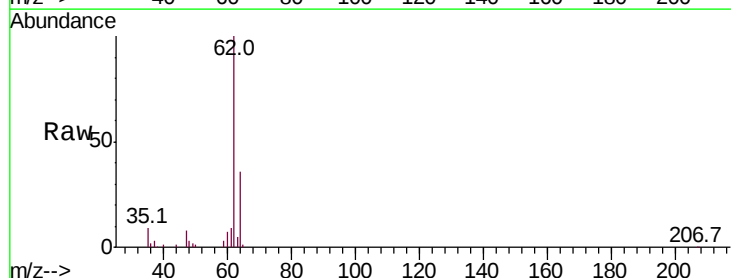
Acq: 16 Nov 2020 10:11

Tgt Ion: 62 Resp: 87476

Ion Ratio Lower Upper

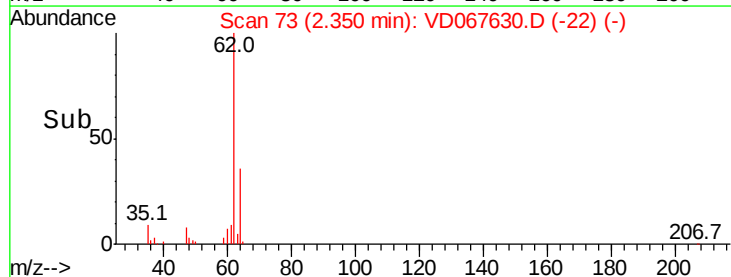
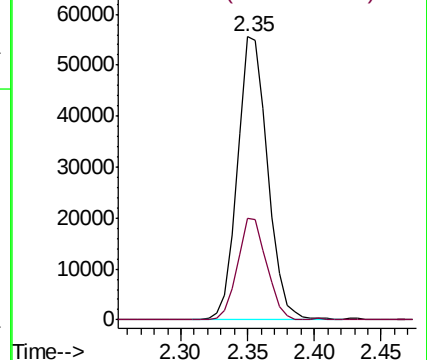
62 100

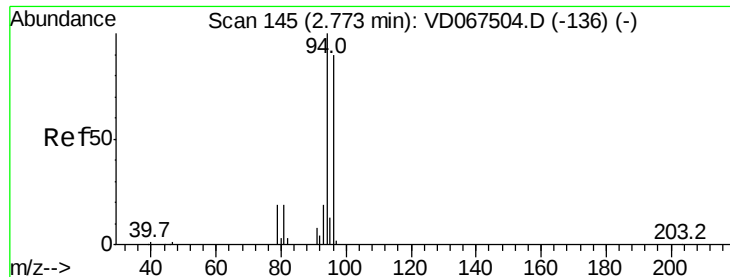
64 36.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.208 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

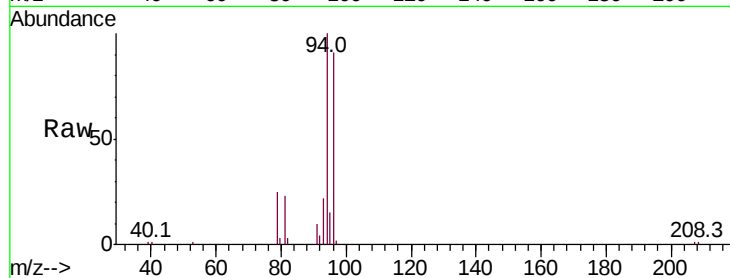
VSTDCCC050

Tot Ion: 94 Resp: 73764

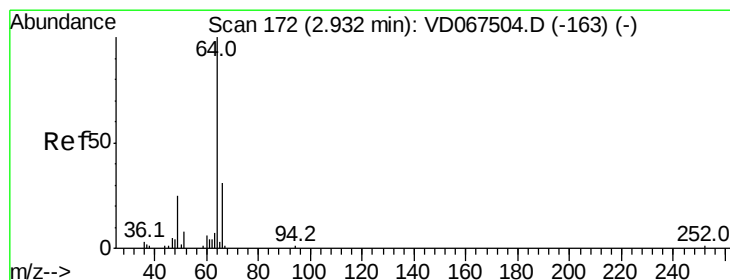
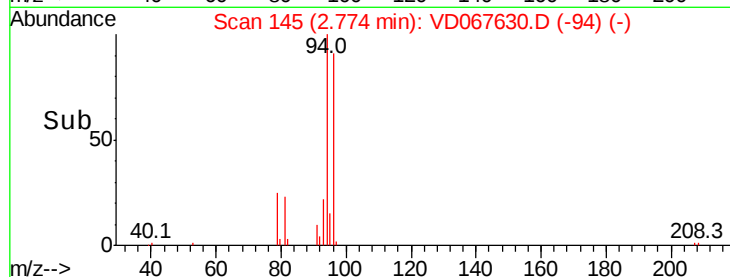
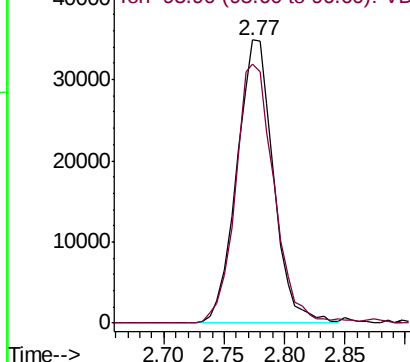
Ion Ratio Lower Upper

94 100

96 91.4 72.2 108.2



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



#6

Chloroethane

Concen: 46.846 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067630.D

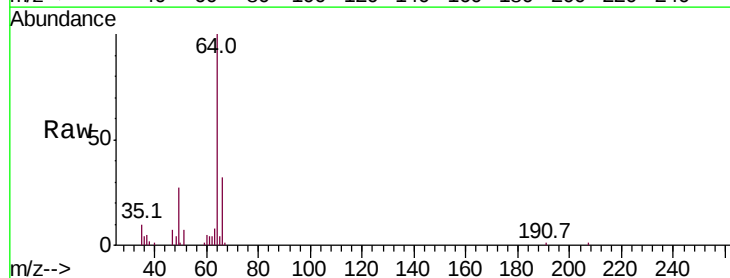
Acq: 16 Nov 2020 10:11

Tgt Ion: 64 Resp: 58141

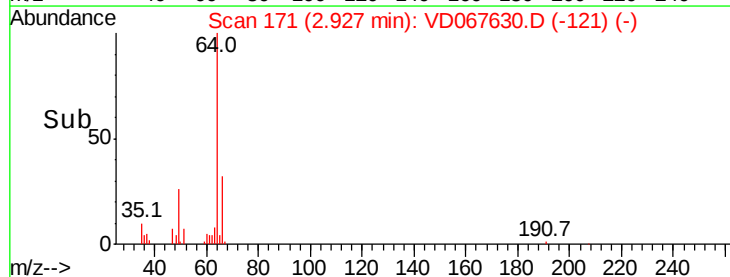
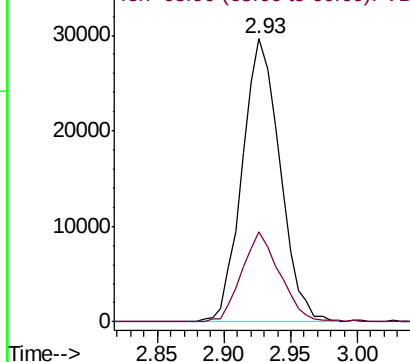
Ion Ratio Lower Upper

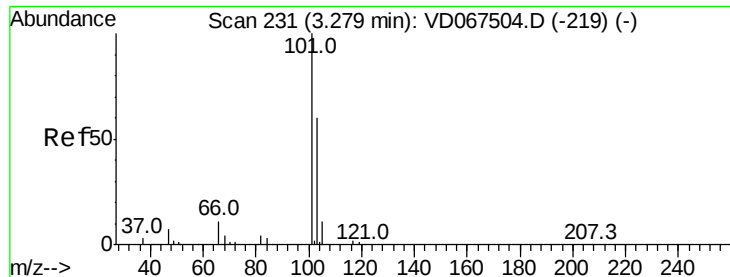
64 100

66 32.0 24.6 36.8



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



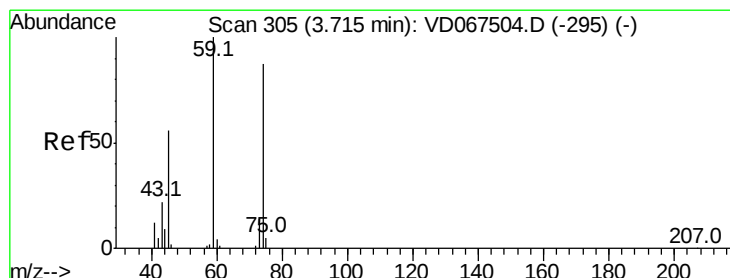
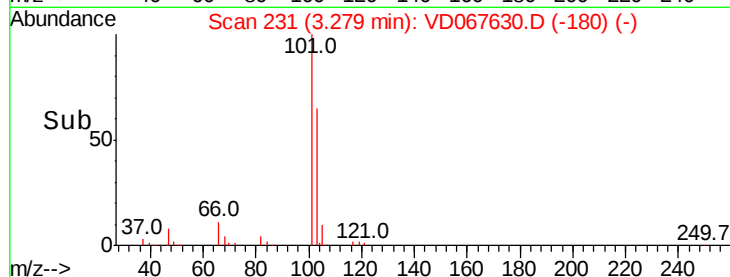
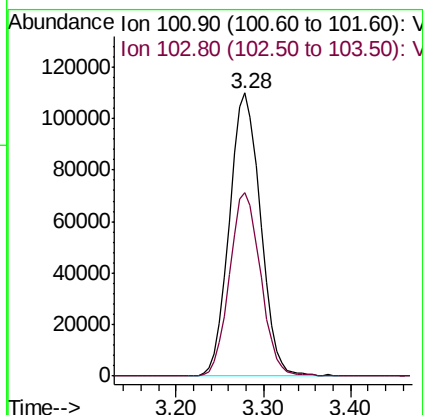
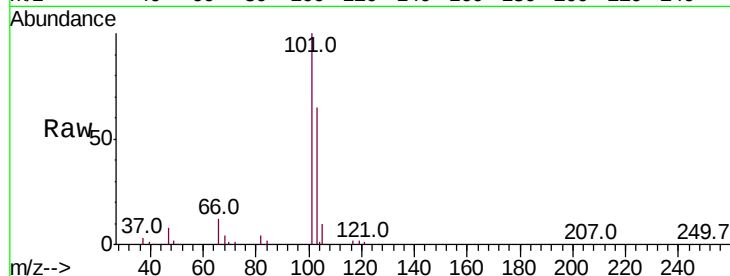


#7

Trichlorofluoromethane
 Concen: 50.982 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Instrument :
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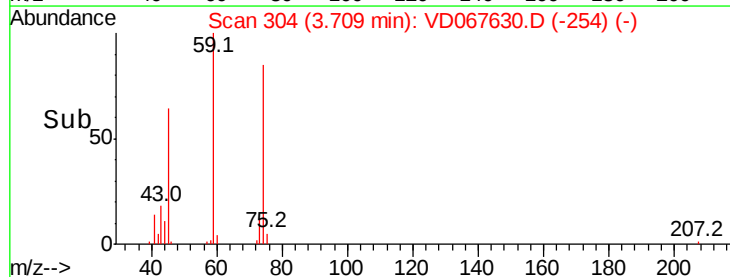
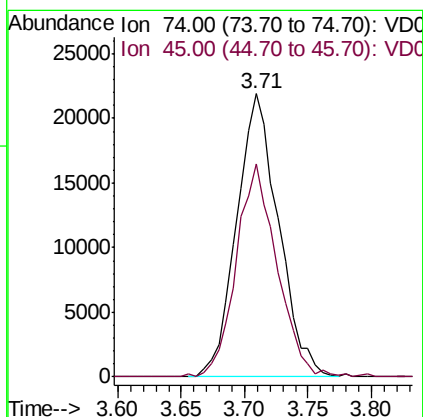
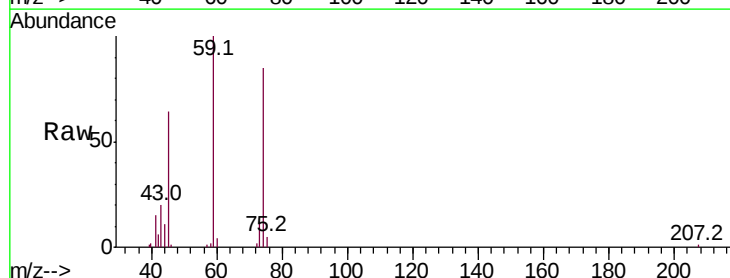
Tot Ion:101 Resp: 265737
 Ion Ratio Lower Upper
 101 100
 103 64.8 48.1 72.1

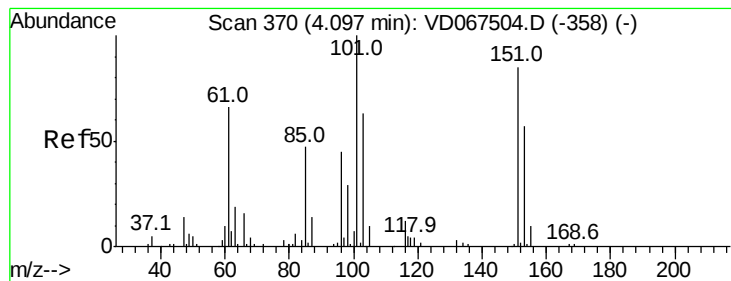


#8

Diethyl Ether
 Concen: 47.821 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Tgt Ion: 74 Resp: 50225
 Ion Ratio Lower Upper
 74 100
 45 73.2 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.252 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

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VSTDCCC050

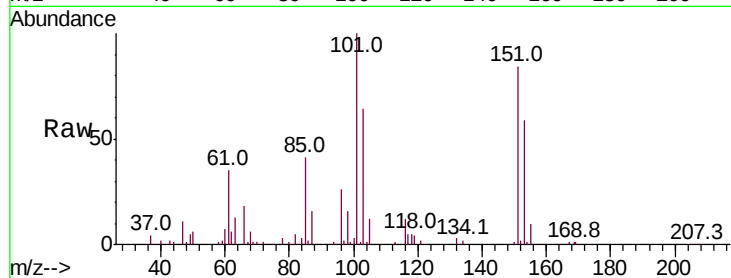
Tot Ion:101 Resp: 132217

Ion Ratio Lower Upper

101 100

85 43.8 34.4 51.6

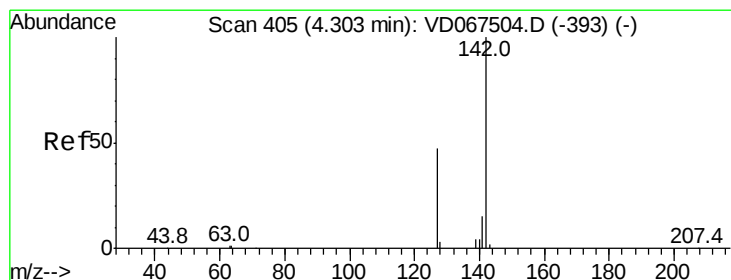
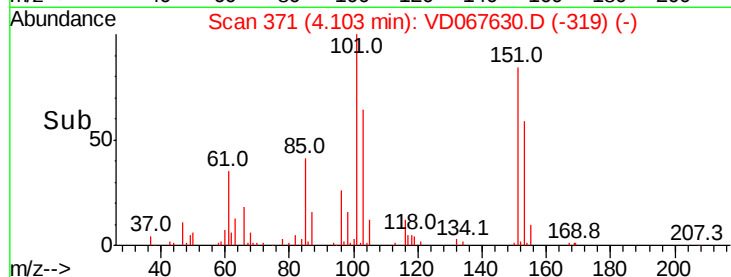
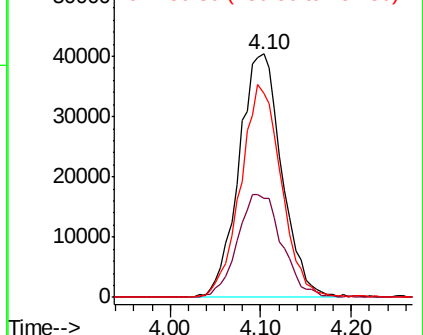
151 83.2 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.089 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

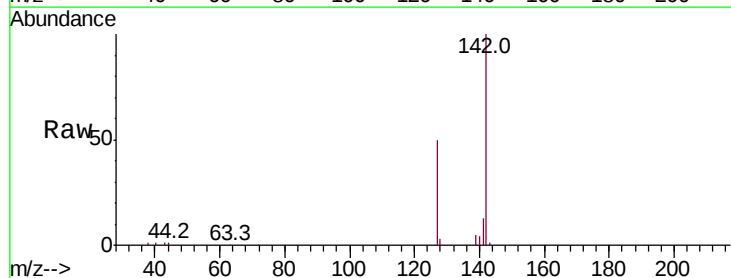
Tgt Ion:142 Resp: 141247

Ion Ratio Lower Upper

142 100

127 50.7 40.0 60.0

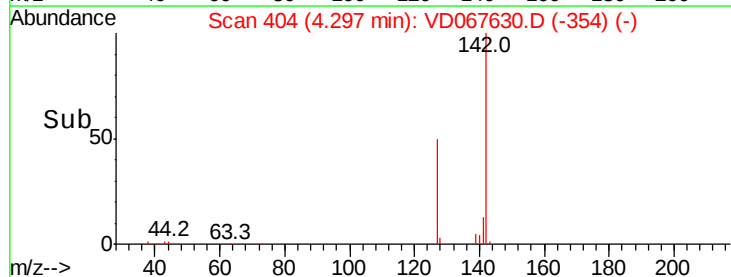
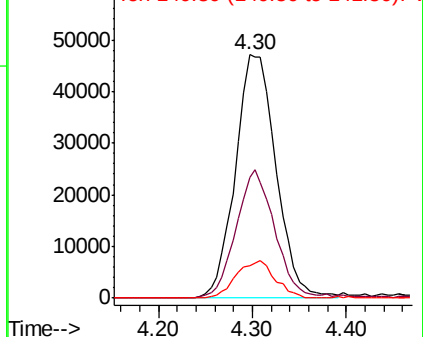
141 14.6 11.7 17.5

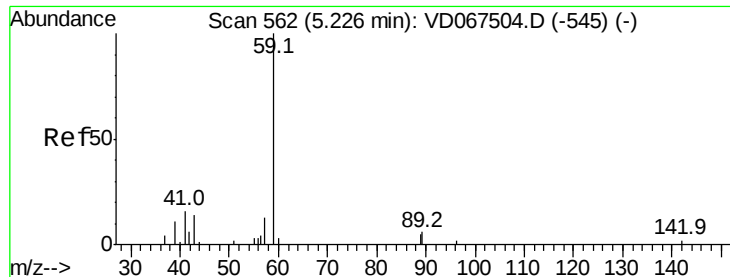


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



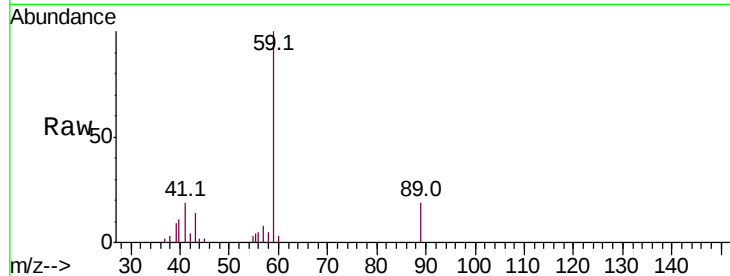


#11

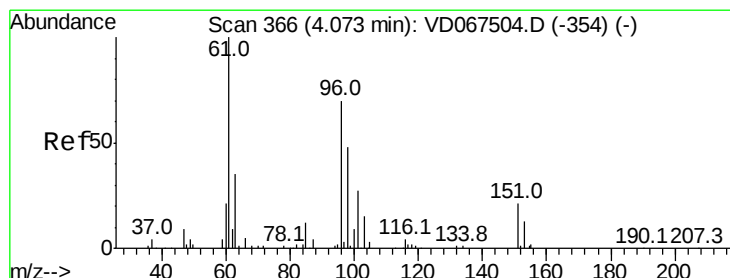
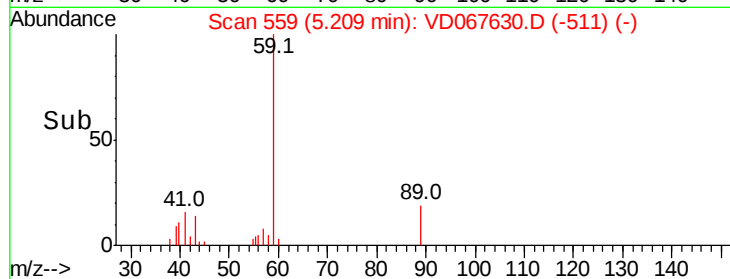
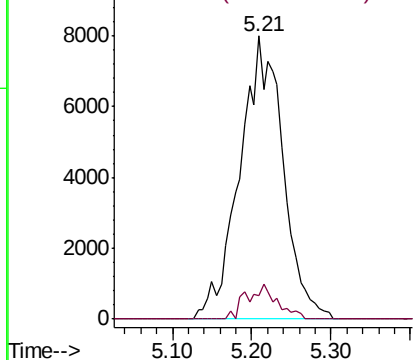
Tert butyl alcohol
Concen: 279.650 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 30292
Ion Ratio Lower Upper
59 100
57 6.3 5.9 8.9



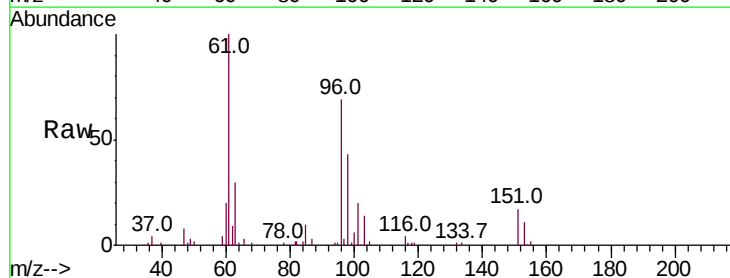
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



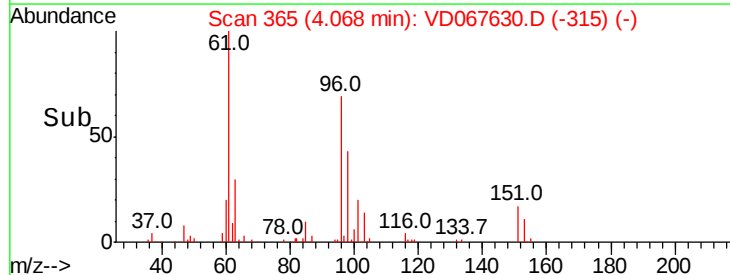
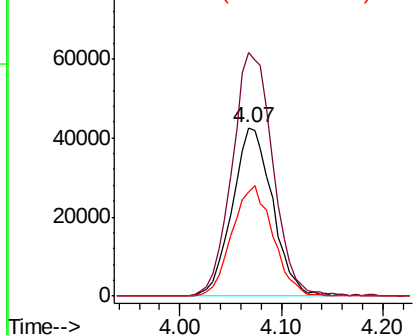
#12

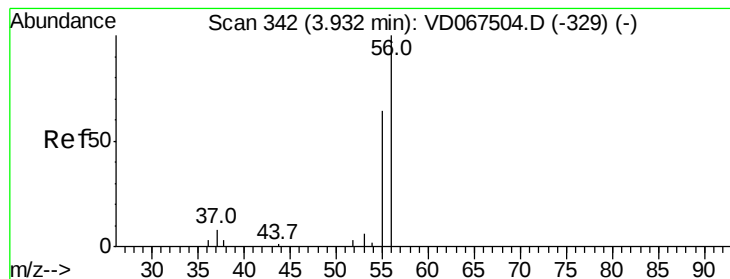
1,1-Dichloroethene
Concen: 48.573 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 96 Resp: 117553
Ion Ratio Lower Upper
96 100
61 144.1 114.5 171.7
98 61.7 54.5 81.7



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





#13

Acrolein

Concen: 244.486 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

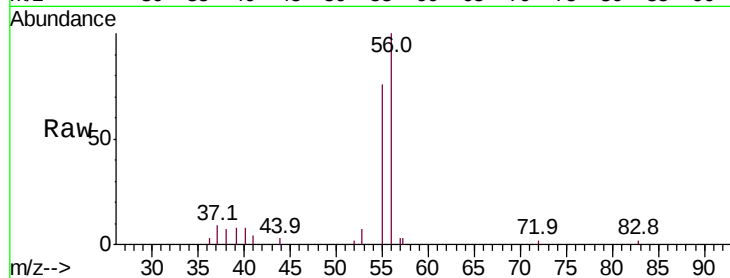
VSTDCCC050

Tot Ion: 56 Resp: 27433

Ion Ratio Lower Upper

56 100

55 71.8 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

12000

10000

8000

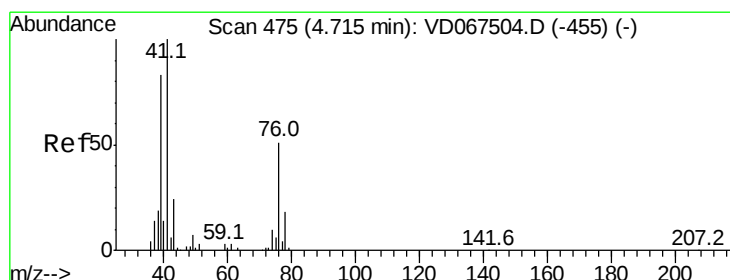
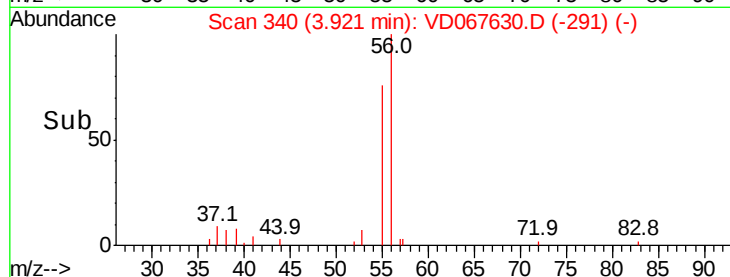
6000

4000

2000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 49.309 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

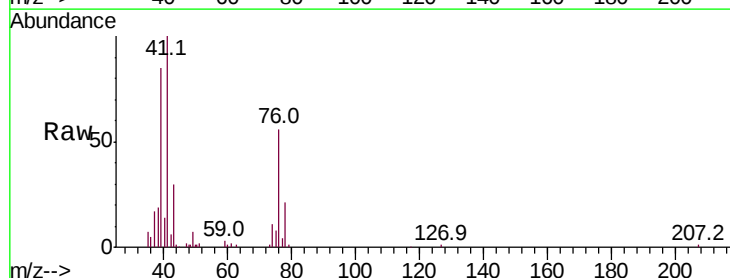
Tgt Ion: 41 Resp: 127717

Ion Ratio Lower Upper

41 100

39 84.6 67.4 101.0

76 53.2 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.72

50000

40000

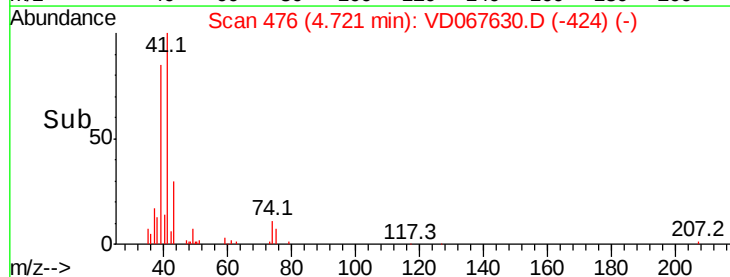
30000

20000

10000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 239.049 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

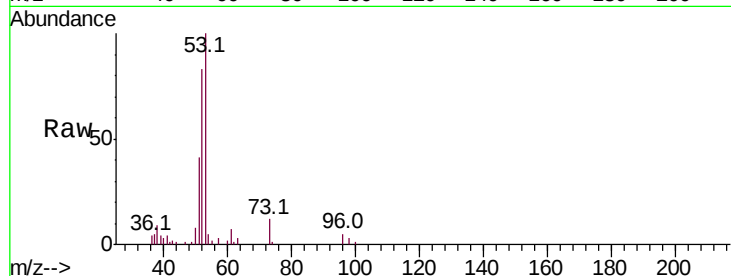
Tot Ion: 53 Resp: 92809

Ion Ratio Lower Upper

53 100

52 80.9 64.8 97.2

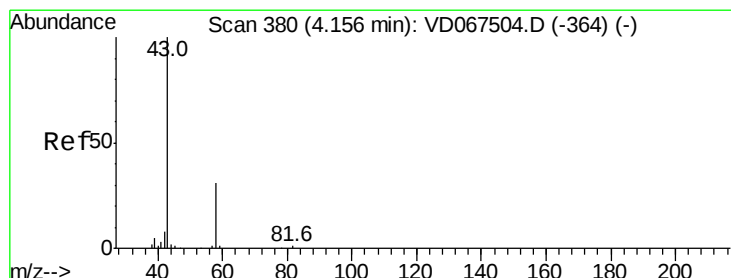
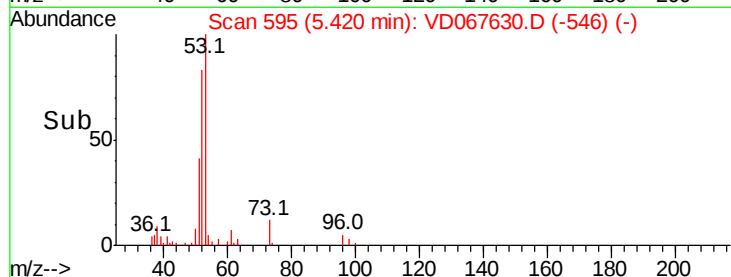
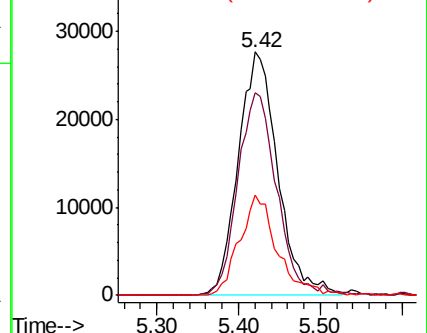
51 39.3 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 264.917 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067630.D

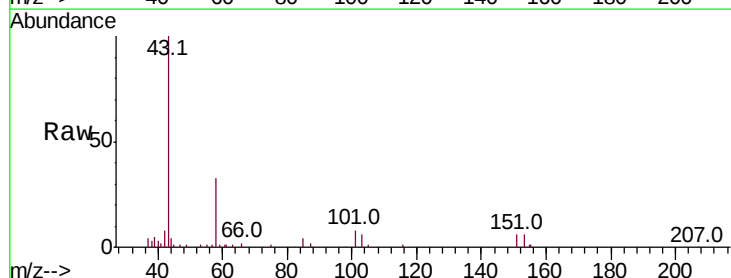
Acq: 16 Nov 2020 10:11

Tgt Ion: 43 Resp: 100509

Ion Ratio Lower Upper

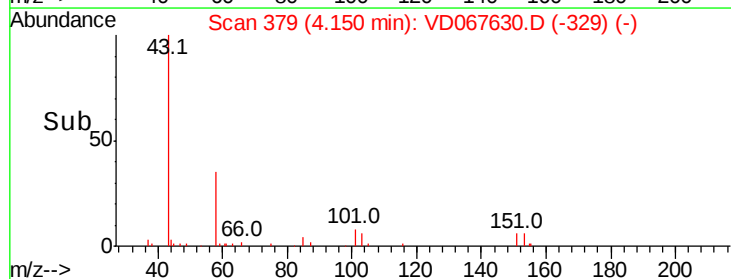
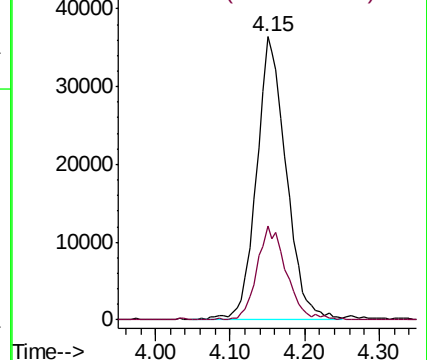
43 100

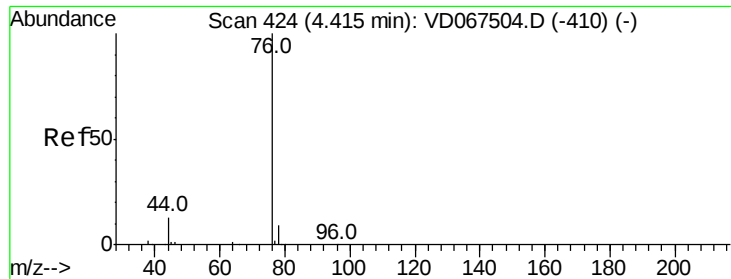
58 33.1 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

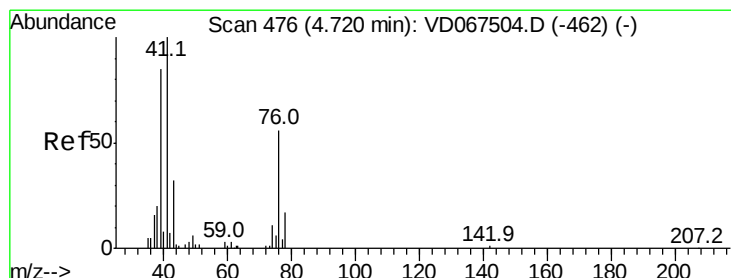
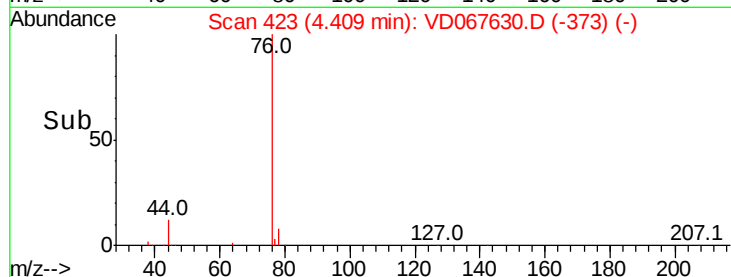
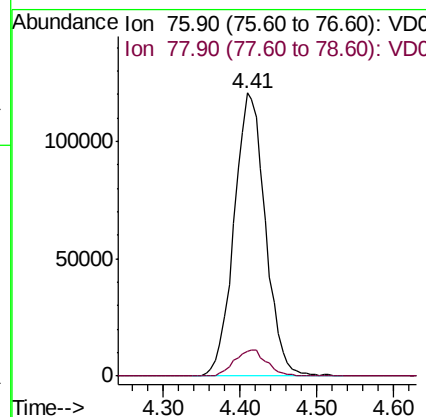
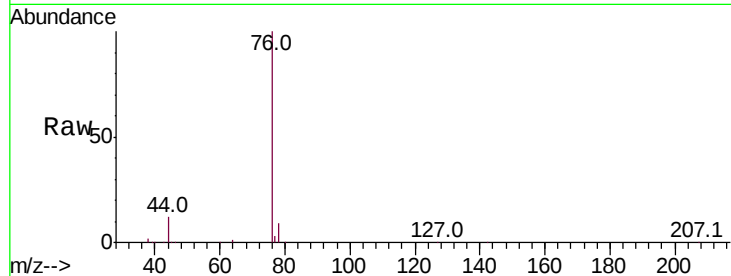




#17
Carbon Disulfide
Concen: 46.143 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

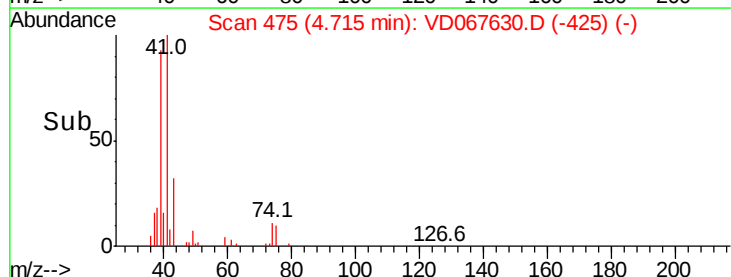
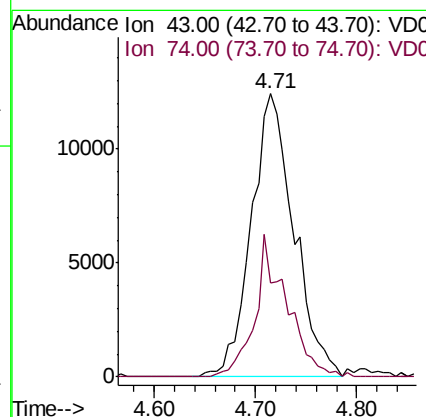
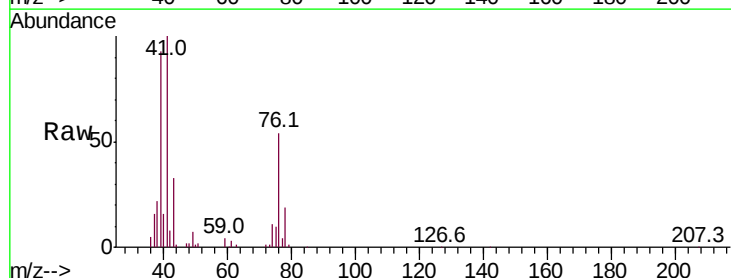
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

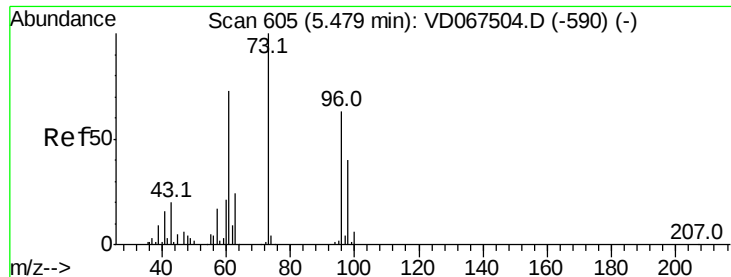
Tot Ion: 76 Resp: 342189
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8



#18
Methyl Acetate
Concen: 46.341 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 43 Resp: 36332
Ion Ratio Lower Upper
43 100
74 37.6 27.2 40.8

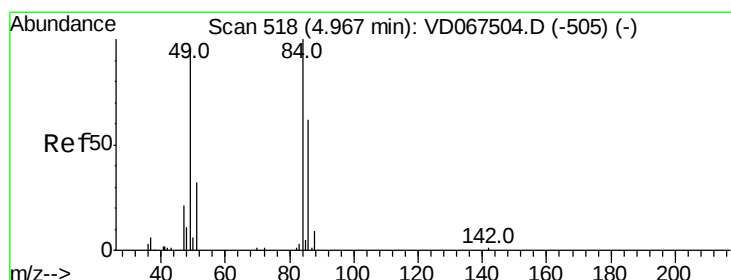
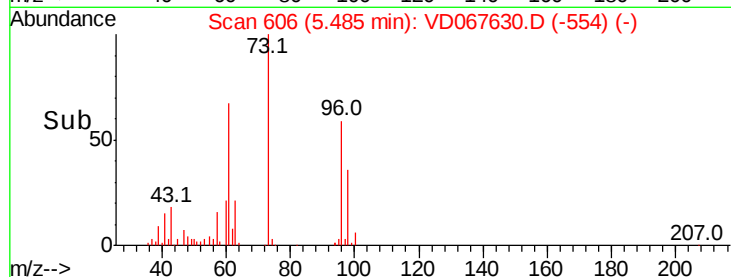
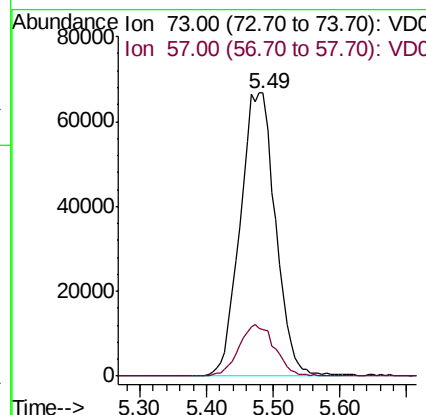
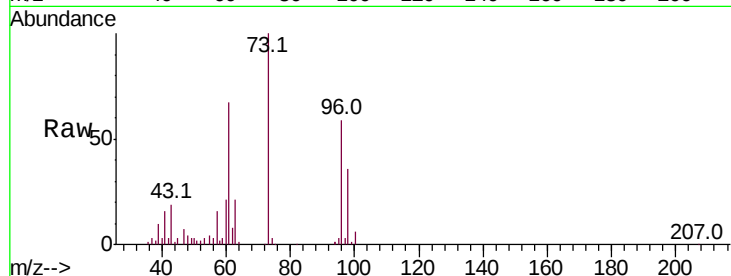




#19
Methyl tert-butyl Ether
Concen: 51.170 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

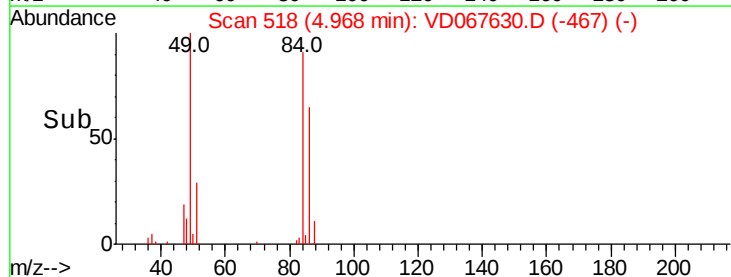
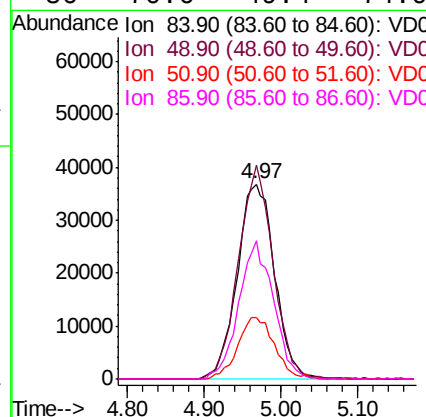
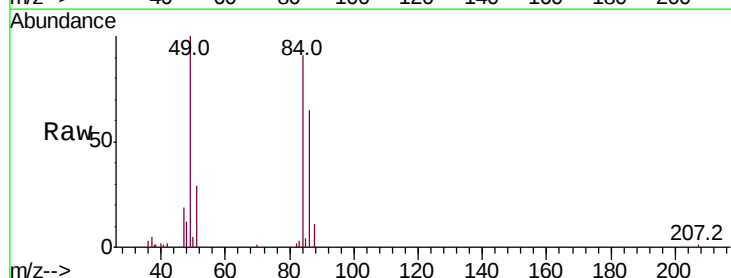
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

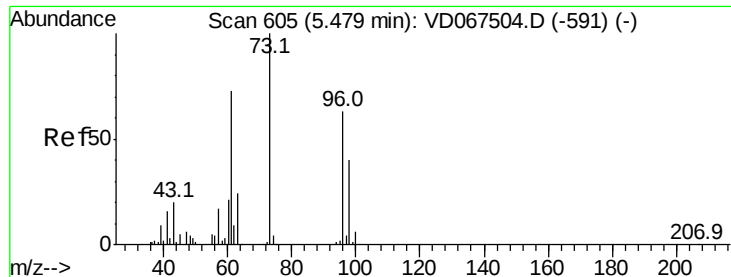
Tot Ion: 73 Resp: 244270
Ion Ratio Lower Upper
73 100
57 16.3 13.4 20.0



#20
Methylene Chloride
Concen: 46.612 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 84 Resp: 124922
Ion Ratio Lower Upper
84 100
49 109.4 77.0 115.4
51 31.4 25.4 38.2
86 70.6 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 49.147 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

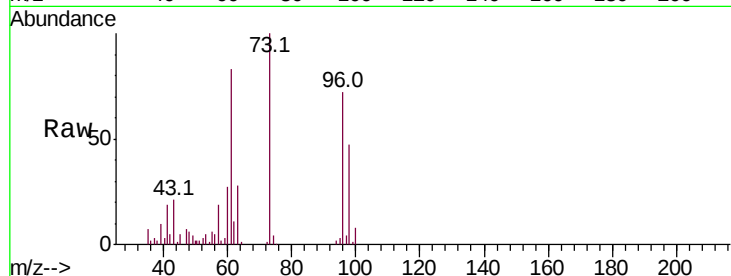
Tot Ion: 96 Resp: 138535

Ion Ratio Lower Upper

96 100

61 115.8 93.0 139.6

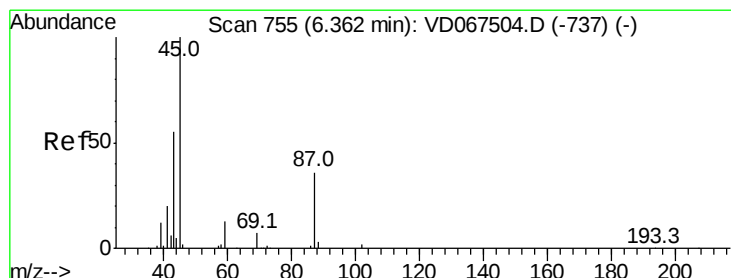
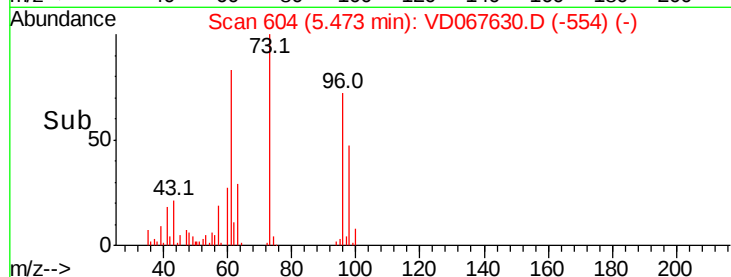
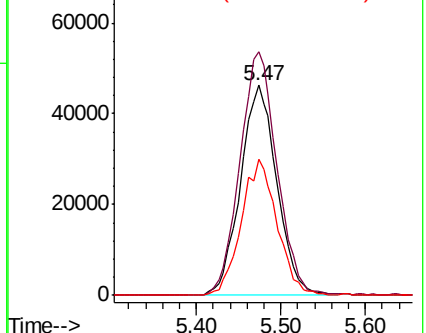
98 64.9 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 49.775 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Tgt Ion: 45 Resp: 251238

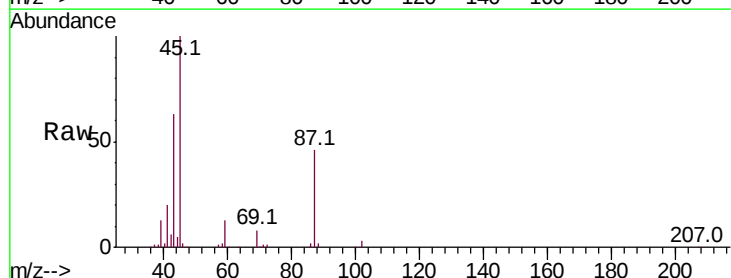
Ion Ratio Lower Upper

45 100

43 61.2 46.2 69.4

87 46.2 29.4 44.2#

59 12.0 10.8 16.2

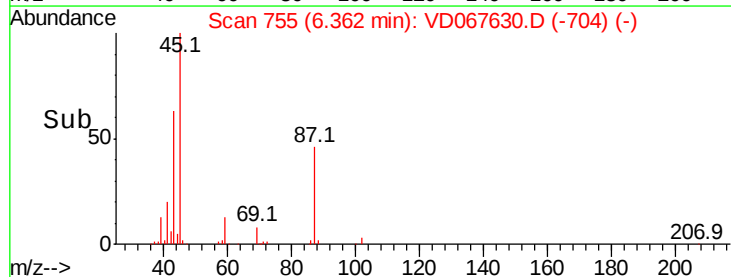
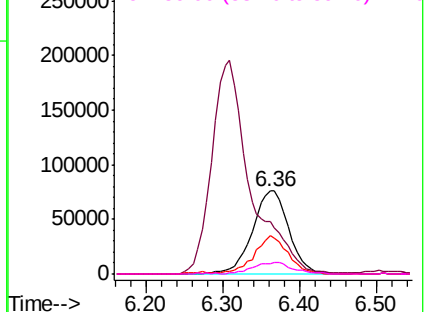


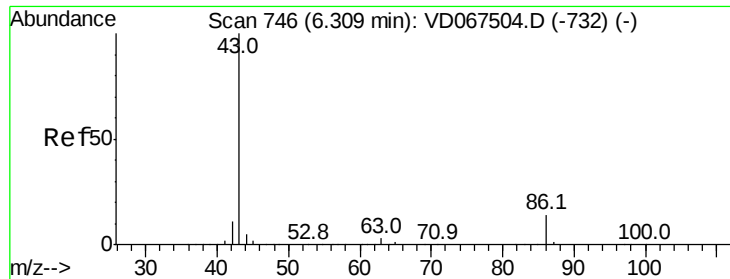
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 257.875 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

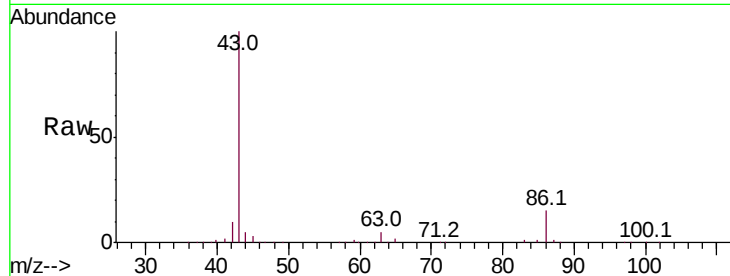
VSTDCCC050

Tot Ion: 43 Resp: 681325

Ion Ratio Lower Upper

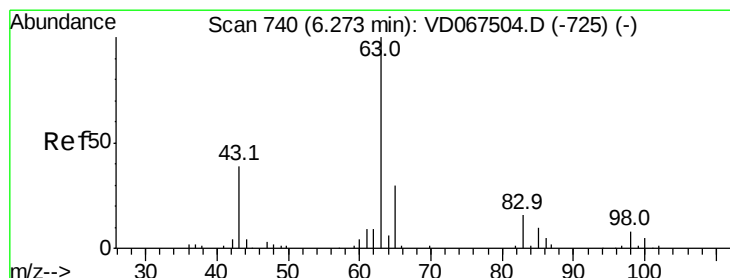
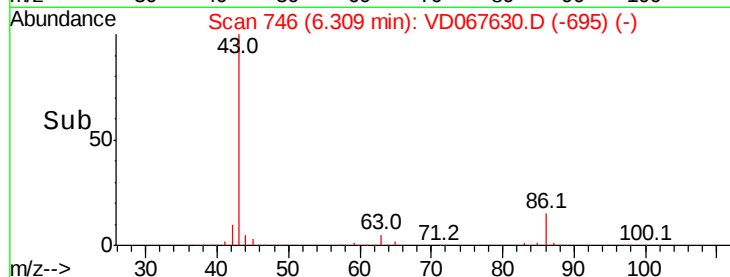
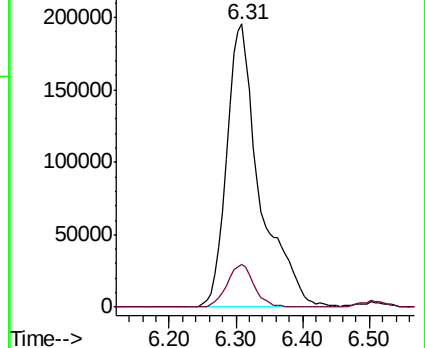
43 100

86 14.9 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.348 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

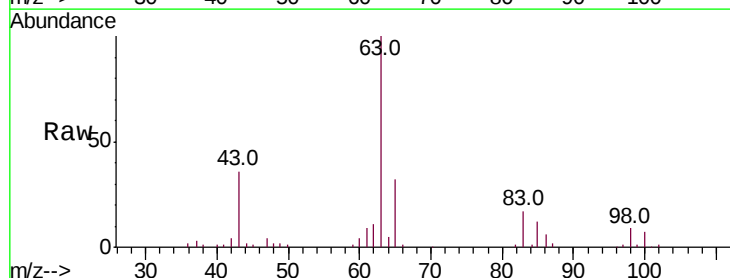
Tgt Ion: 63 Resp: 203772

Ion Ratio Lower Upper

63 100

98 9.4 3.9 11.5

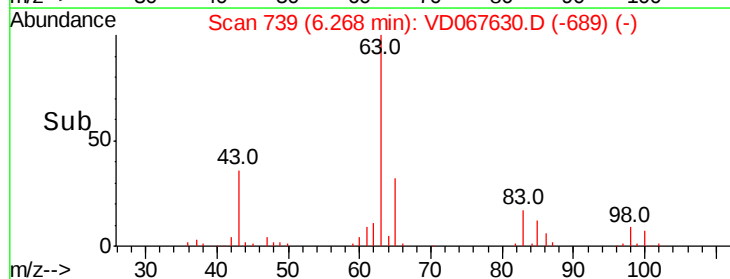
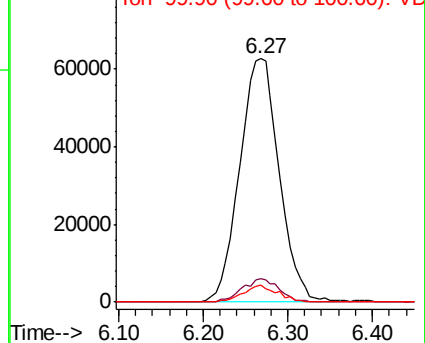
100 6.9 2.6 7.8

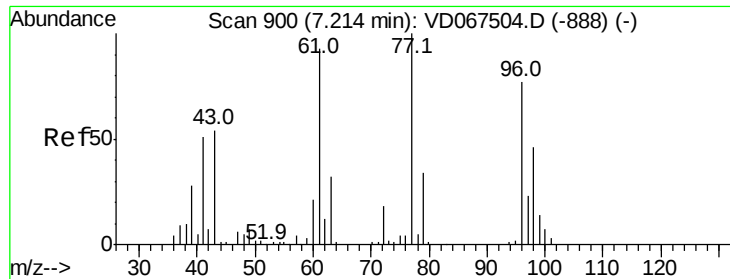


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

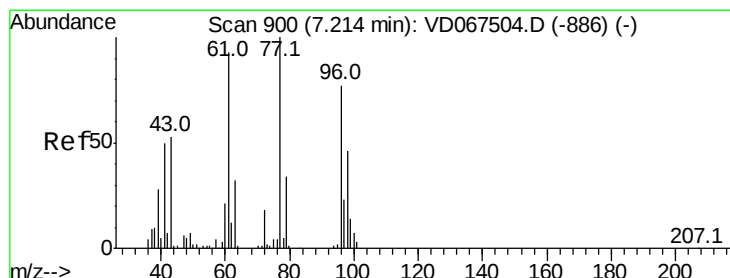
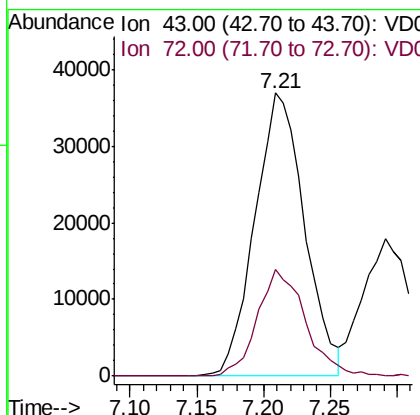
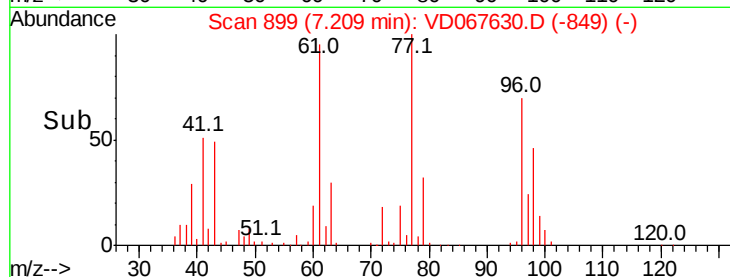
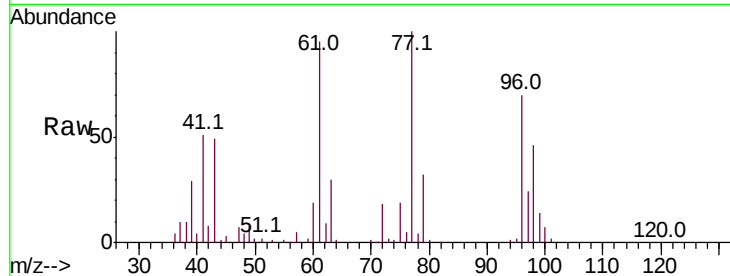




#25
2-Butanone
Concen: 234.807 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

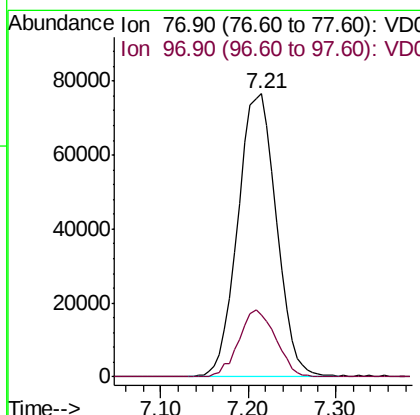
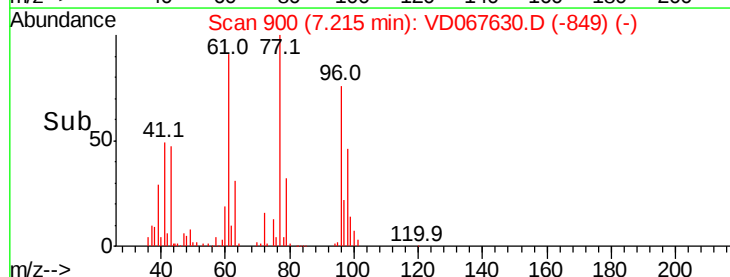
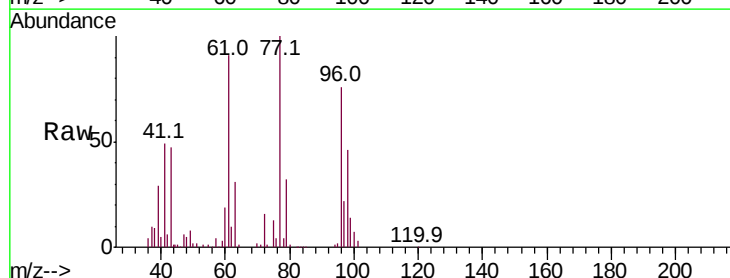
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

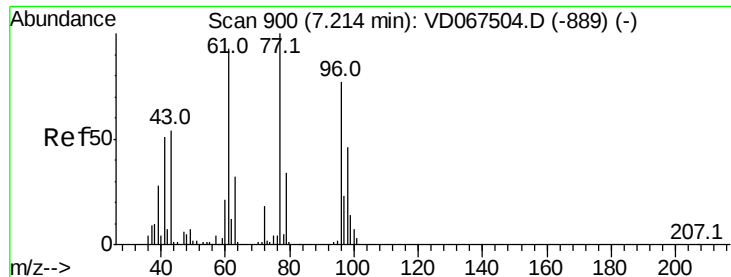
Tot Ion: 43 Resp: 95190
Ion Ratio Lower Upper
43 100
72 37.7 26.4 39.6



#26
2,2-Dichloropropane
Concen: 52.767 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 77 Resp: 229956
Ion Ratio Lower Upper
77 100
97 22.6 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 51.423 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

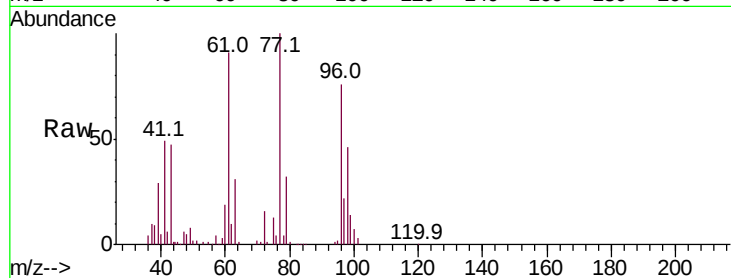
Tot Ion: 96 Resp: 150452

Ion Ratio Lower Upper

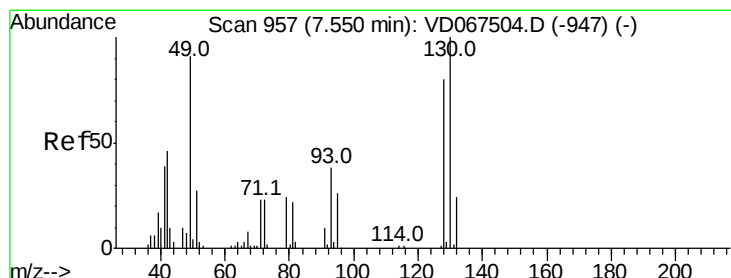
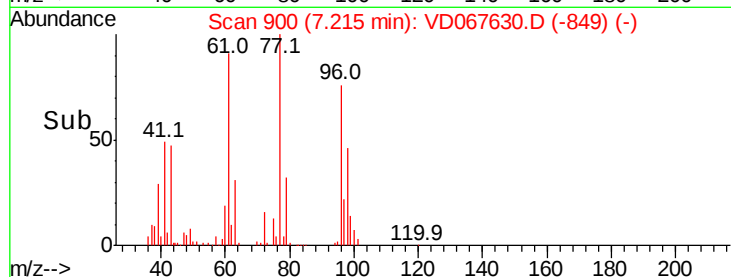
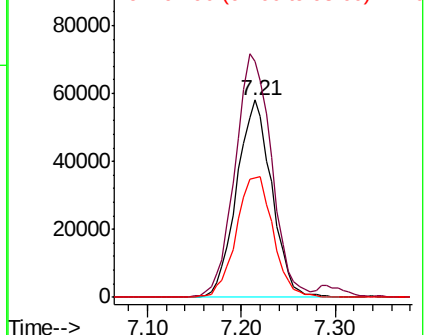
96 100

61 128.4 0.0 251.6

98 64.4 0.0 128.0



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



#28

Bromochloromethane

Concen: 47.387 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

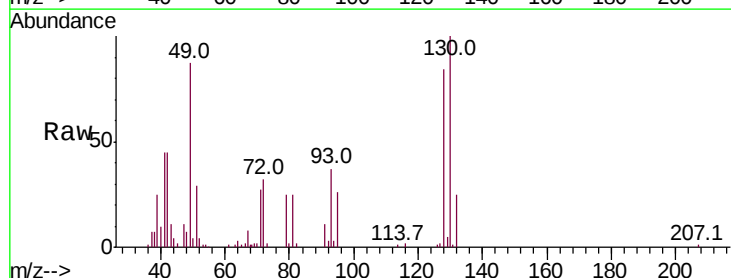
Tgt Ion: 49 Resp: 69601

Ion Ratio Lower Upper

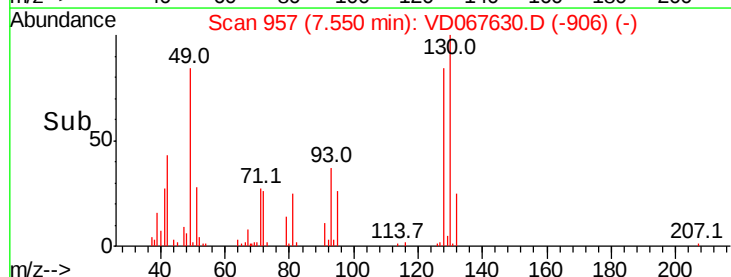
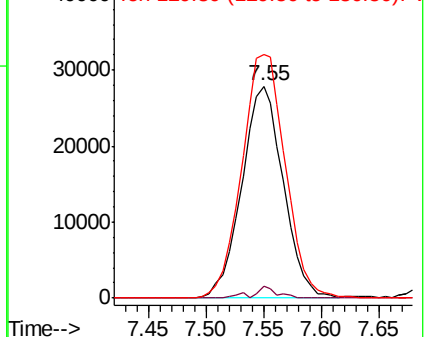
49 100

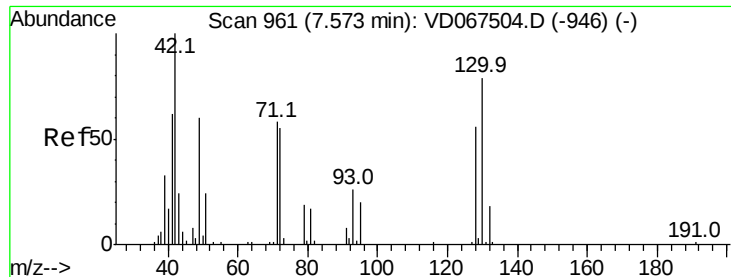
129 2.2 0.0 6.4

130 120.8 94.6 142.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 247.329 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

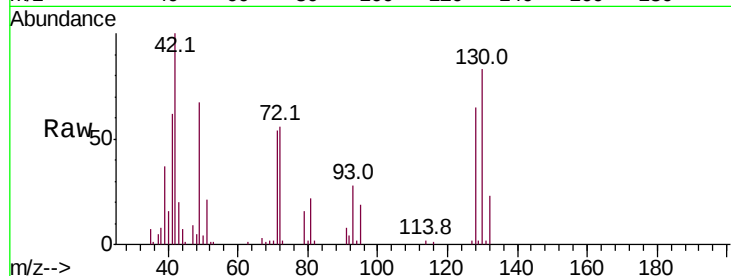
Tot Ion: 42 Resp: 60060

Ion Ratio Lower Upper

42 100

72 59.6 46.3 69.5

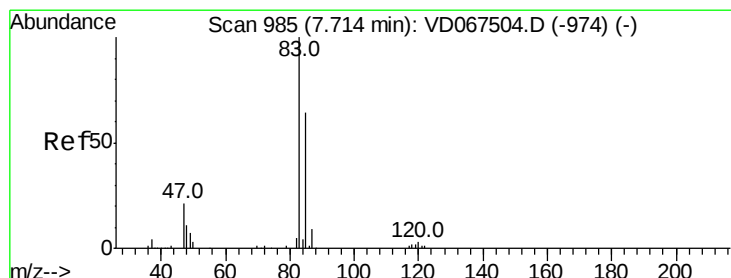
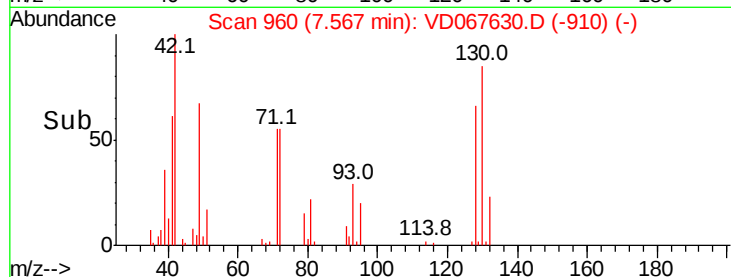
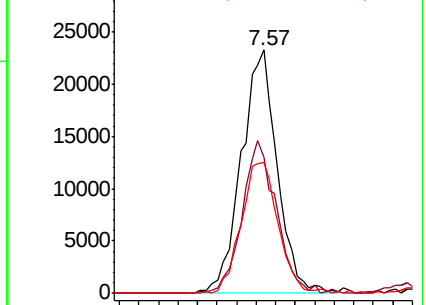
71 55.5 44.0 66.0



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 51.401 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067630.D

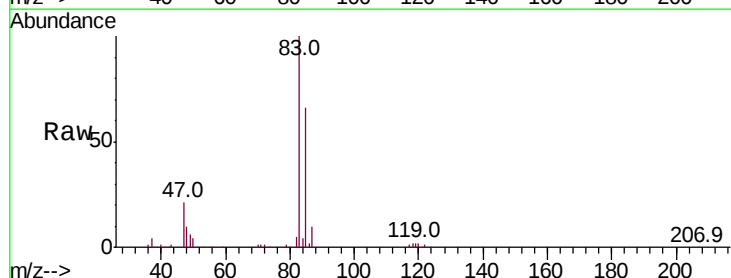
Acq: 16 Nov 2020 10:11

Tgt Ion: 83 Resp: 253210

Ion Ratio Lower Upper

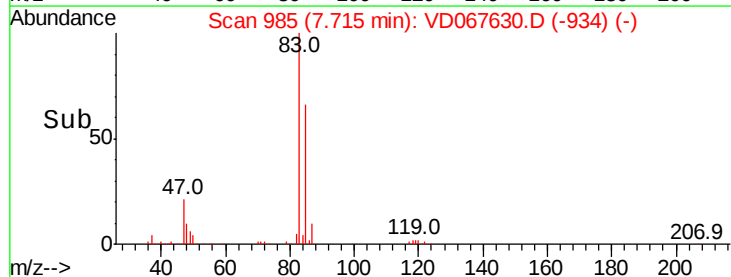
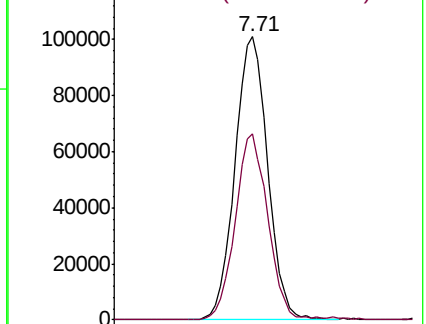
83 100

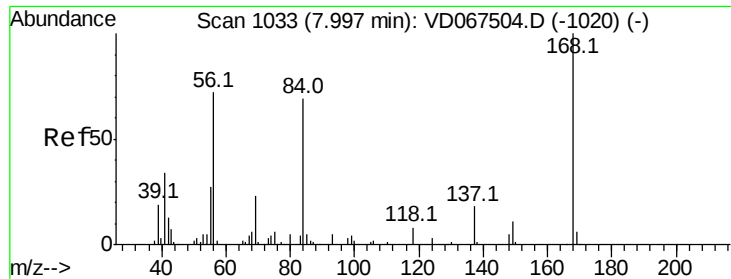
85 65.6 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

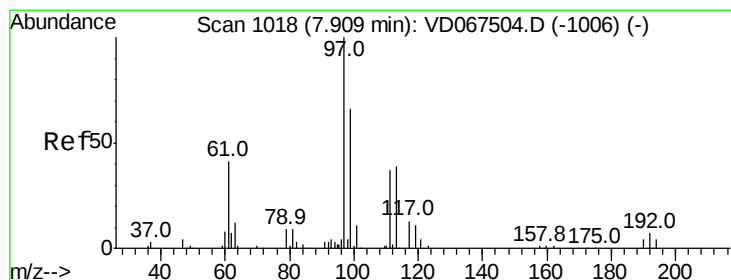
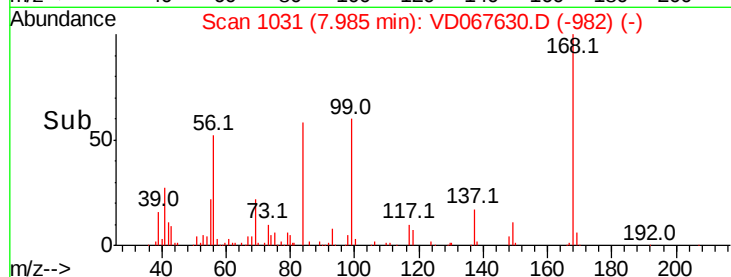
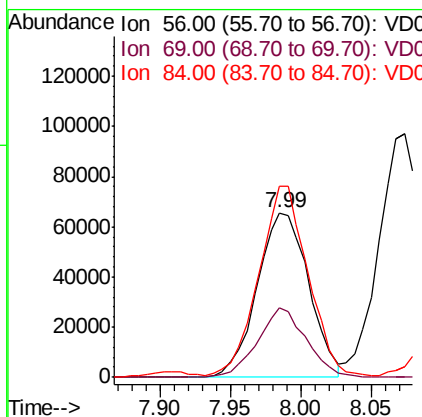
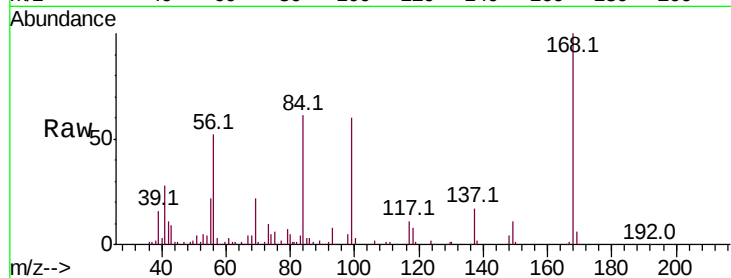




#31
Cyclohexane
Concen: 45.566 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

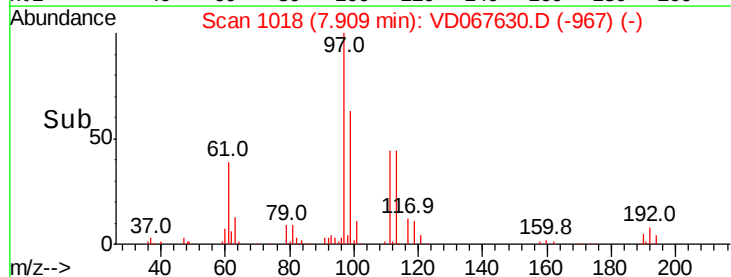
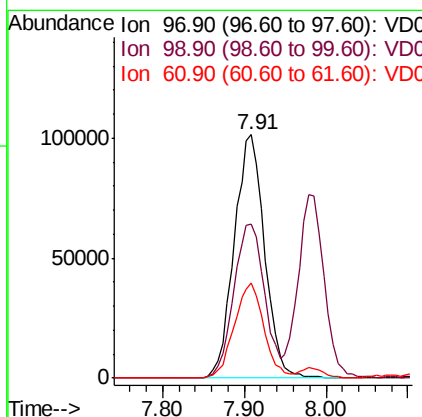
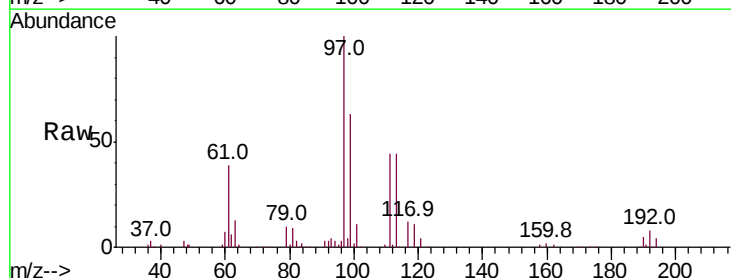
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

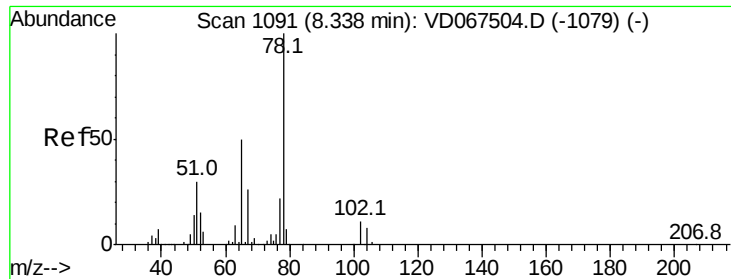
Tot Ion: 56 Resp: 167554
Ion Ratio Lower Upper
56 100
69 42.2 25.9 38.9#
84 114.3 76.2 114.4



#32
1,1,1-Trichloroethane
Concen: 51.345 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 97 Resp: 260975
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.6
61 38.3 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 47.149 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

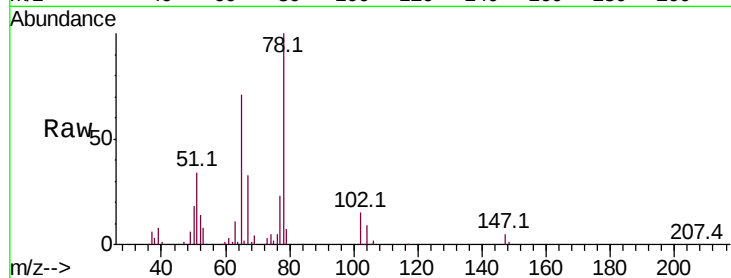
VSTDCCC050

Tot Ion: 65 Resp: 119539

Ion Ratio Lower Upper

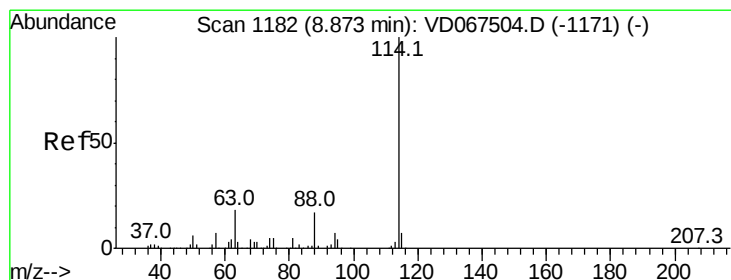
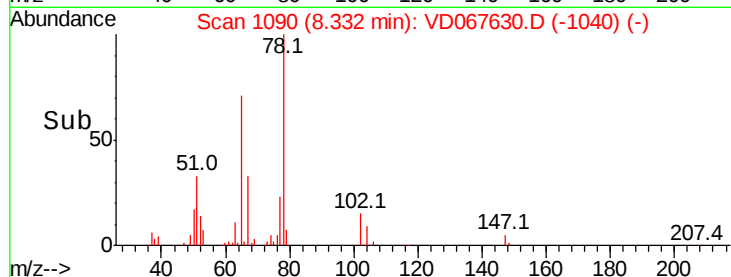
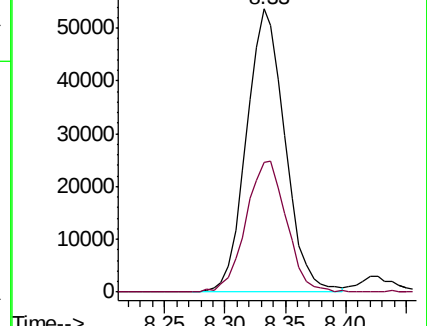
65 100

67 48.5 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

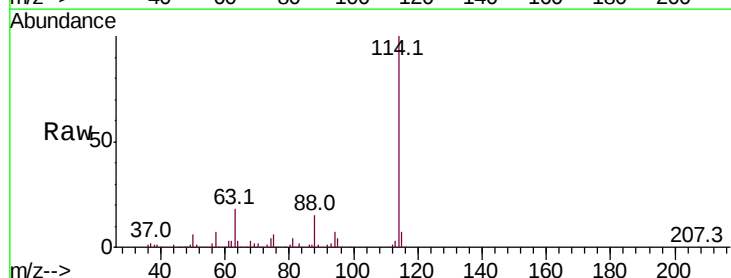
Tgt Ion: 114 Resp: 404675

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

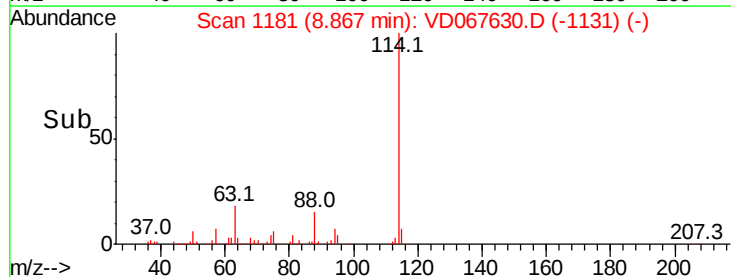
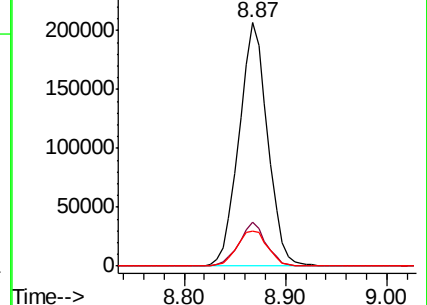
88 14.5 0.0 33.0

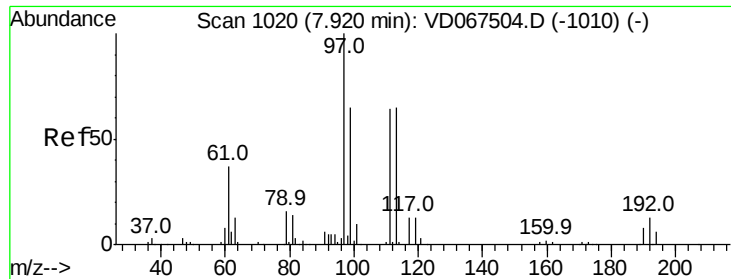


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

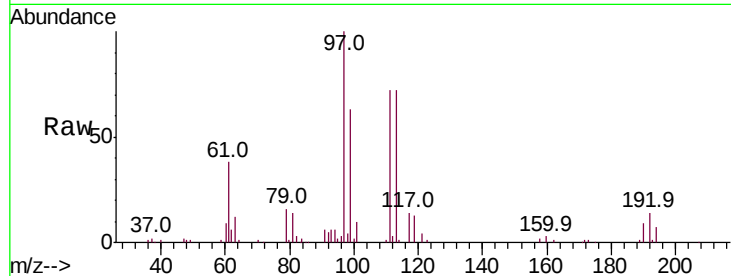




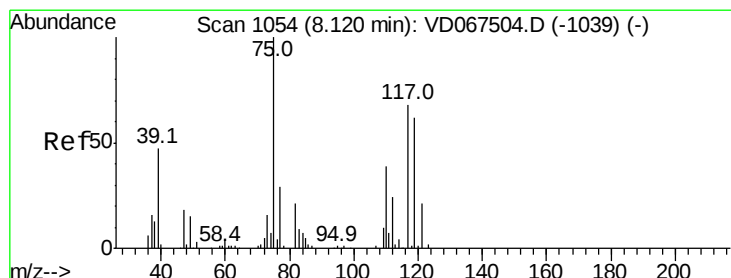
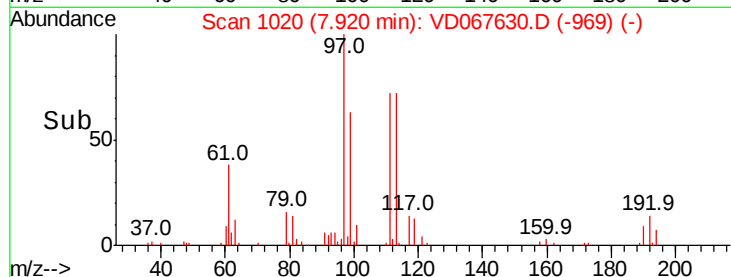
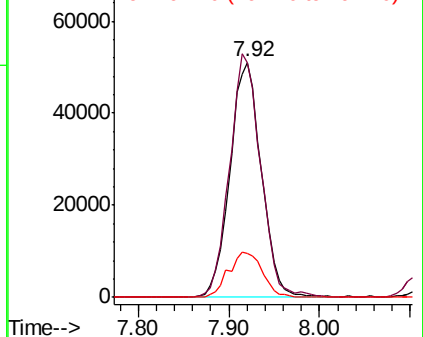
#35
 Dibromofluoromethane
 Concen: 50.459 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.0	120.0
192	20.7	16.3	24.5

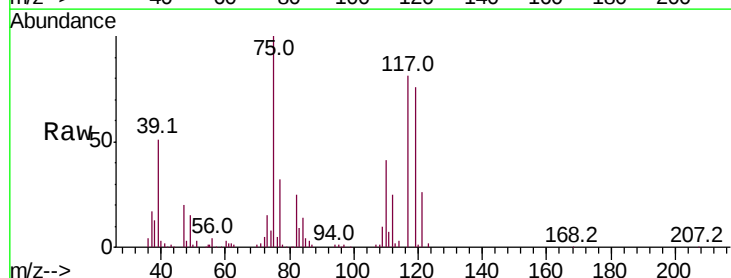


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

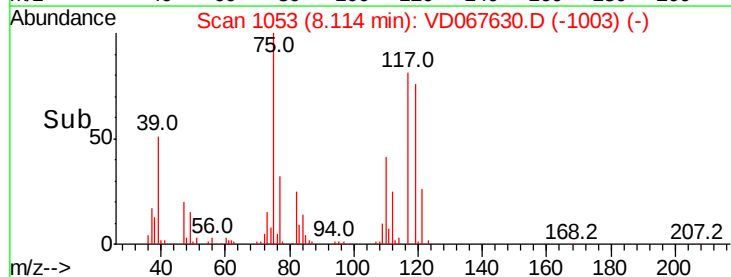
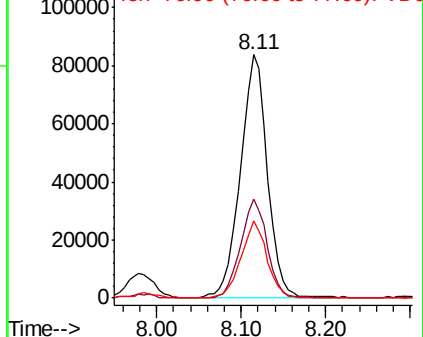


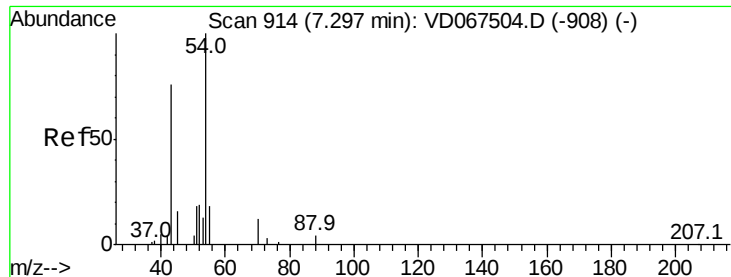
#36
 1,1-Dichloropropene
 Concen: 53.072 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.2	19.9	59.7
77	31.0	24.8	37.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

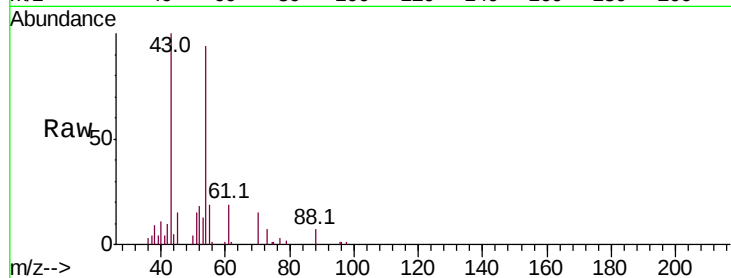




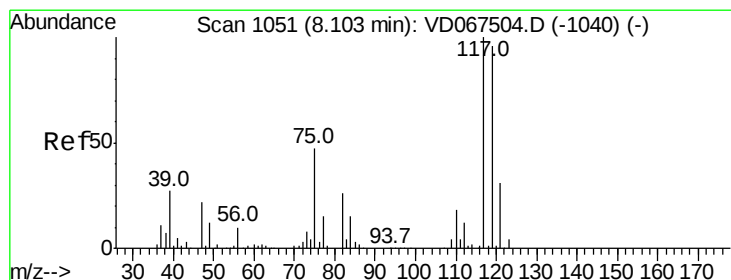
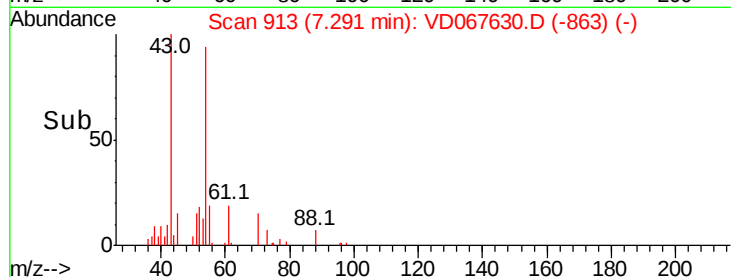
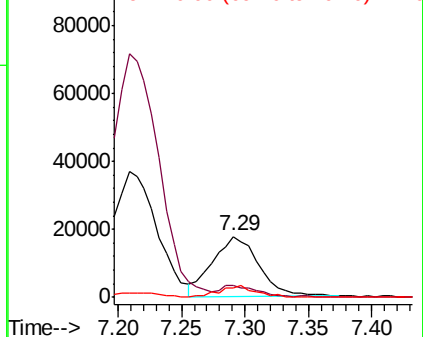
#37
Ethyl Acetate
Concen: 49.958 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 44928
Ion Ratio Lower Upper
43 100
61 14.2 12.8 19.2
70 15.6 11.7 17.5

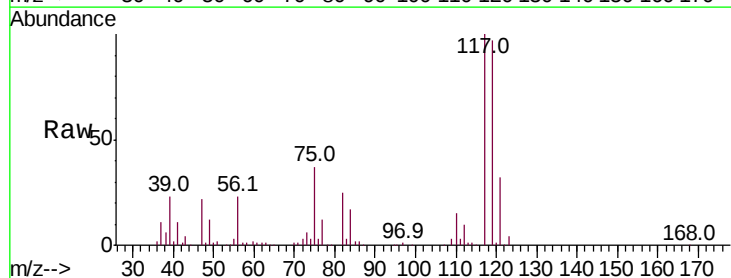


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

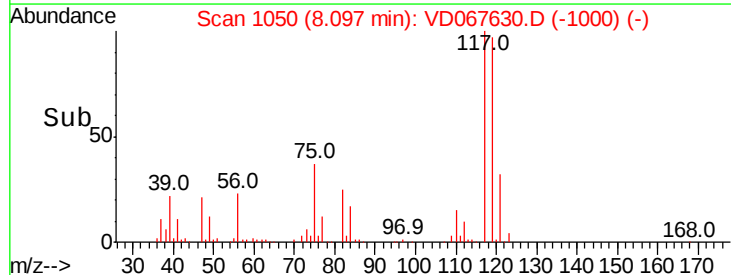
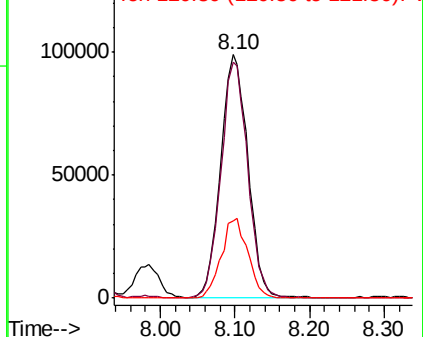


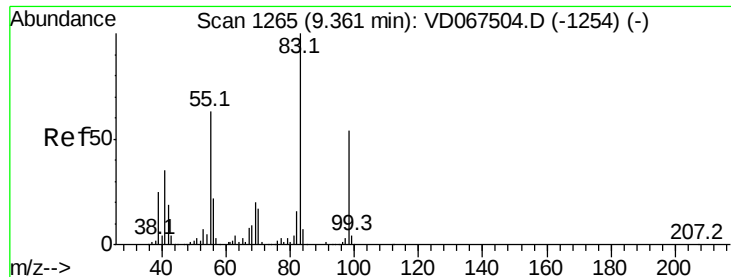
#38
Carbon Tetrachloride
Concen: 56.143 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 117 Resp: 252679
Ion Ratio Lower Upper
117 100
119 96.6 76.9 115.3
121 31.7 24.5 36.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

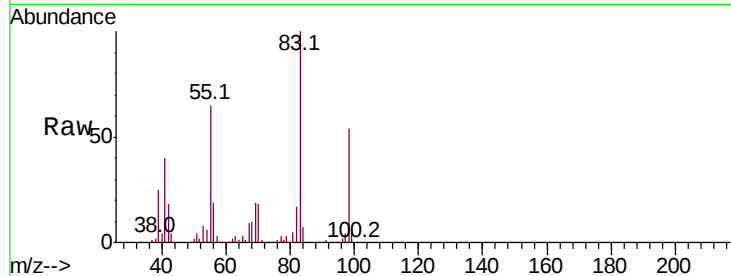




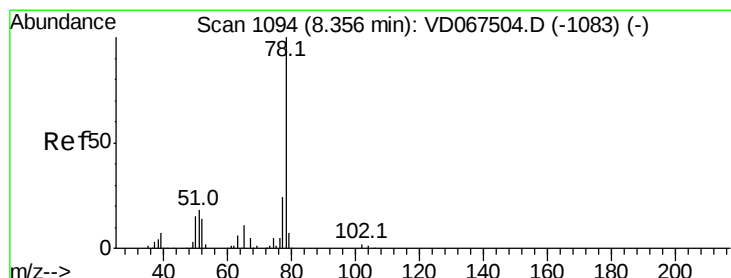
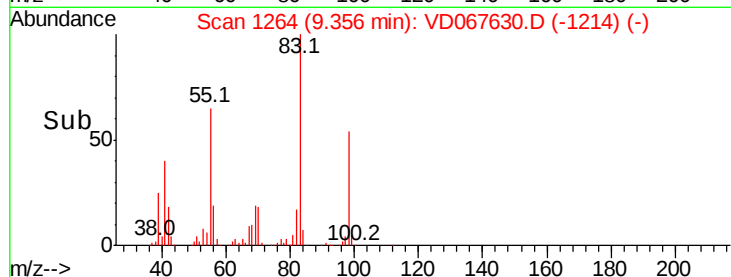
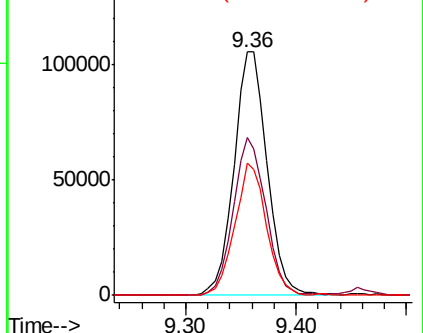
#39
Methvlcvclohexane
Concen: 54.433 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 221922
Ion Ratio Lower Upper
83 100
55 65.0 50.5 75.7
98 54.1 43.4 65.0

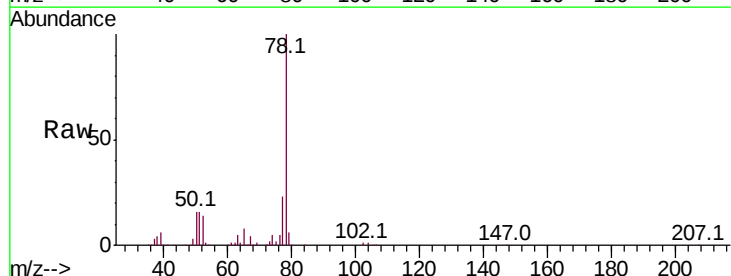


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

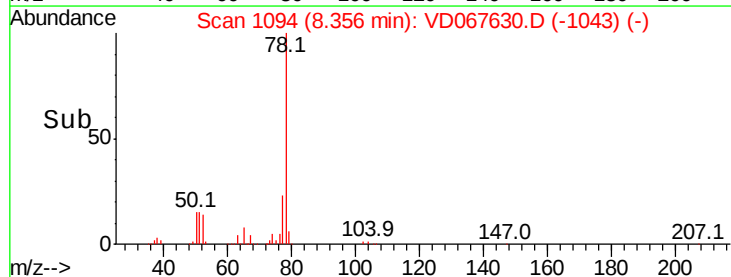
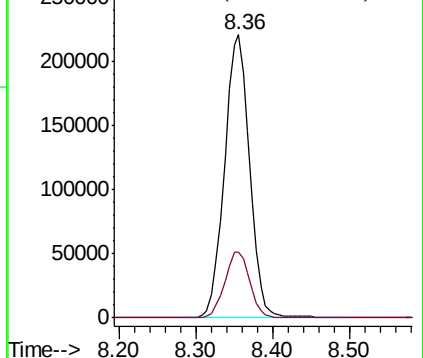


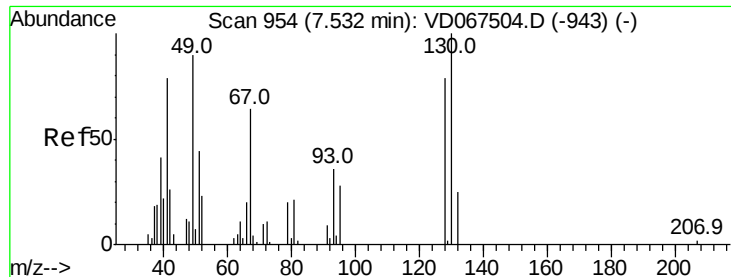
#40
Benzene
Concen: 53.320 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 78 Resp: 500304
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 44.414 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 23875

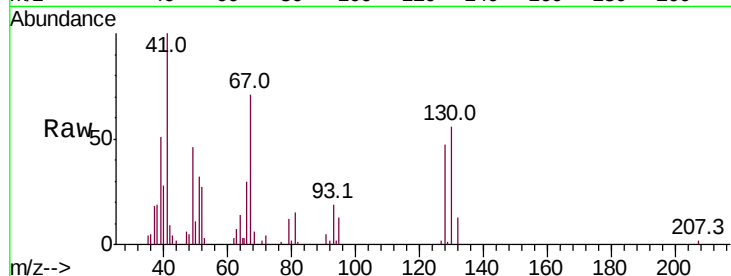
Ion Ratio Lower Upper

41 100

39 80.5 51.3 76.9#

67 103.1 78.9 118.3

52 44.5 31.4 47.2

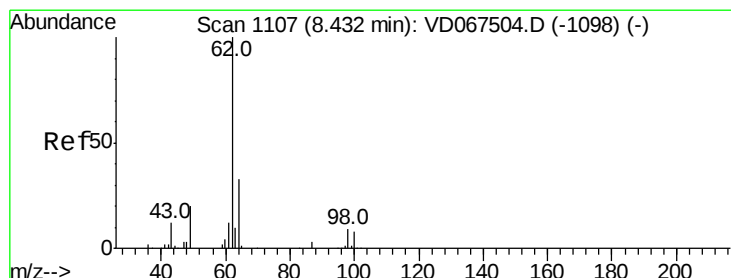
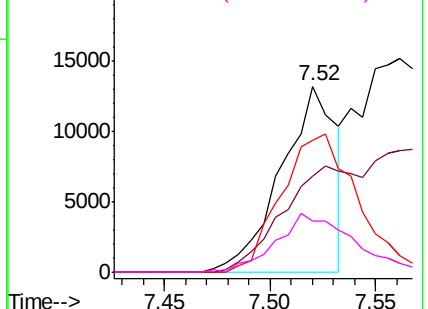
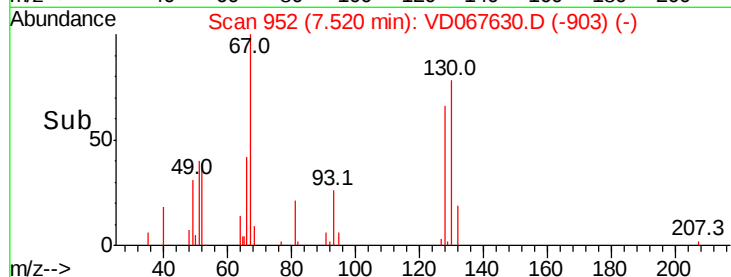


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 54.438 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067630.D

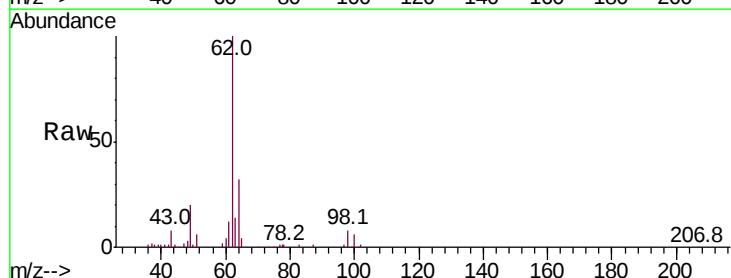
Acq: 16 Nov 2020 10:11

Tgt Ion: 62 Resp: 157819

Ion Ratio Lower Upper

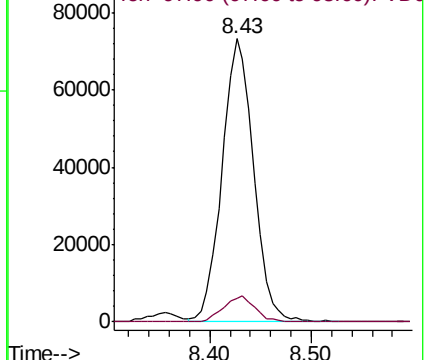
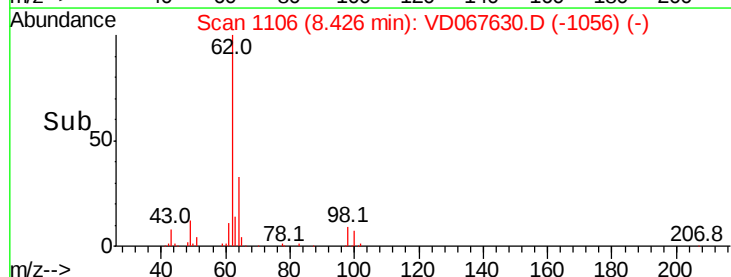
62 100

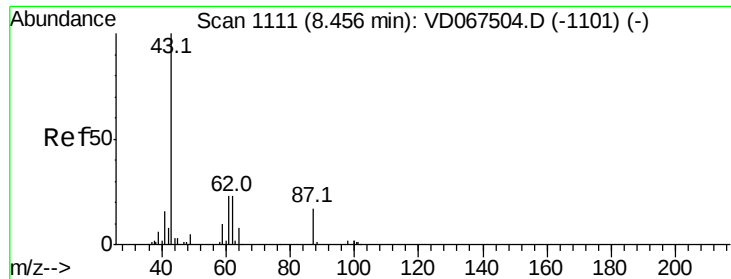
98 9.1 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.291 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

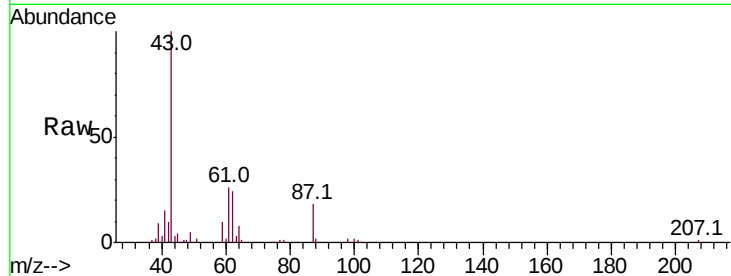
Tot Ion: 43 Resp: 91223

Ion Ratio Lower Upper

43 100

61 38.6 30.5 45.7

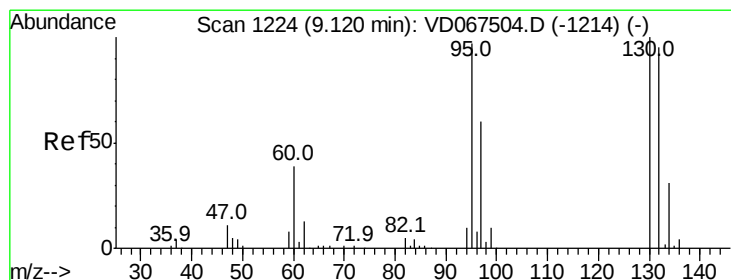
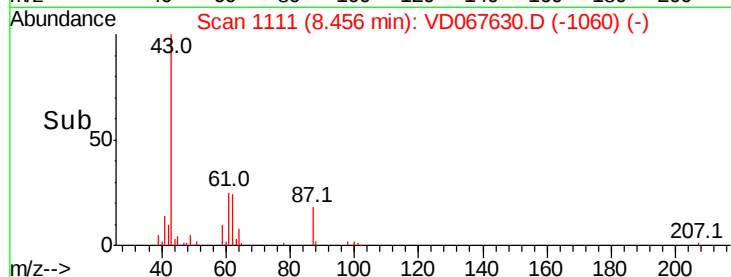
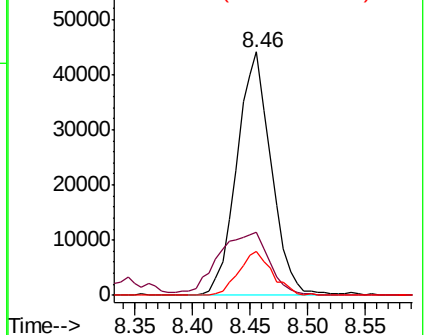
87 17.7 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.648 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067630.D

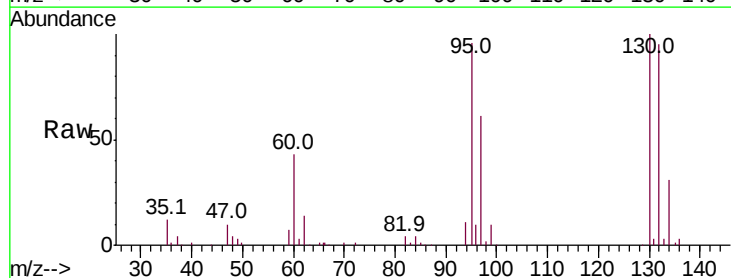
Acq: 16 Nov 2020 10:11

Tgt Ion:130 Resp: 162429

Ion Ratio Lower Upper

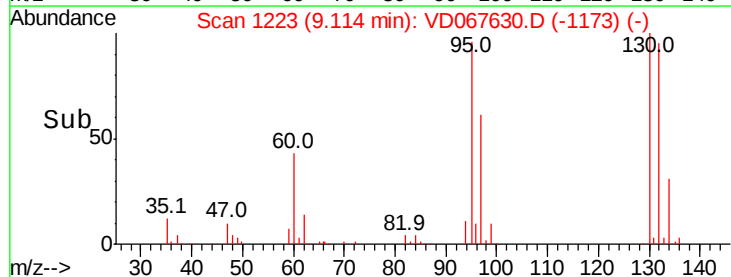
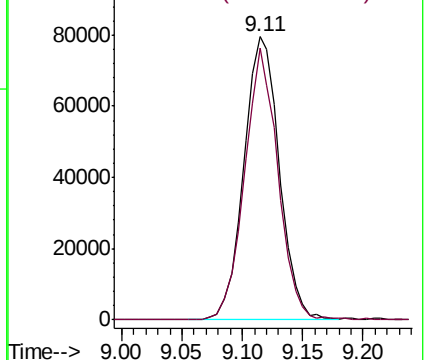
130 100

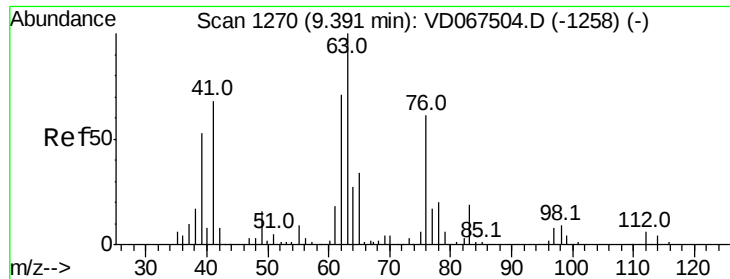
95 96.0 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.517 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

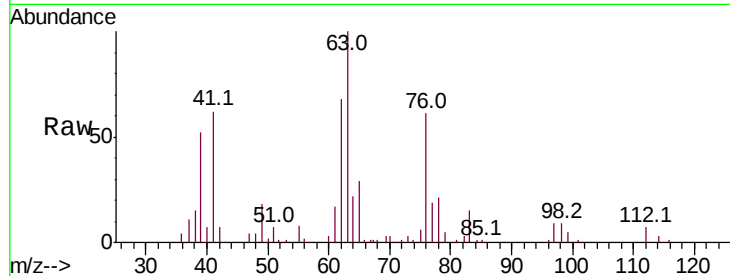
VSTDCCC050

Tot Ion: 63 Resp: 106539

Ion Ratio Lower Upper

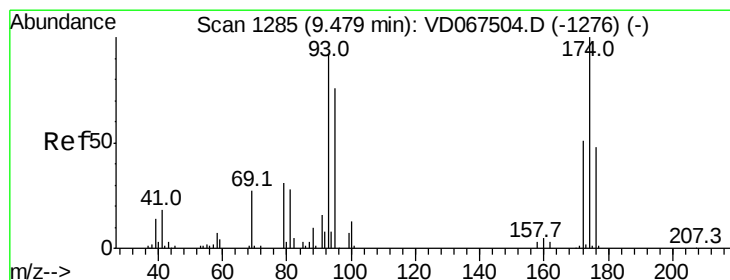
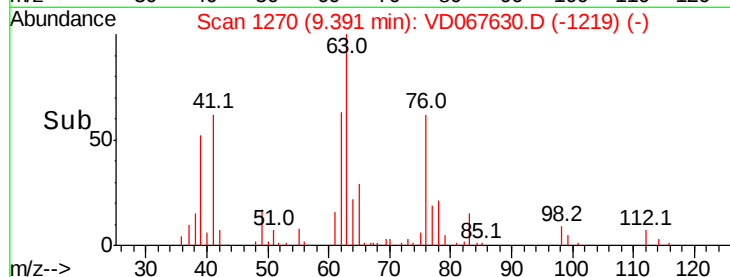
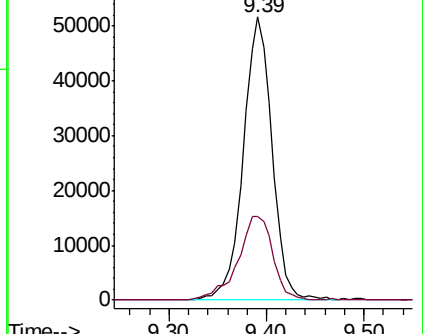
63 100

65 29.5 26.9 40.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.184 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

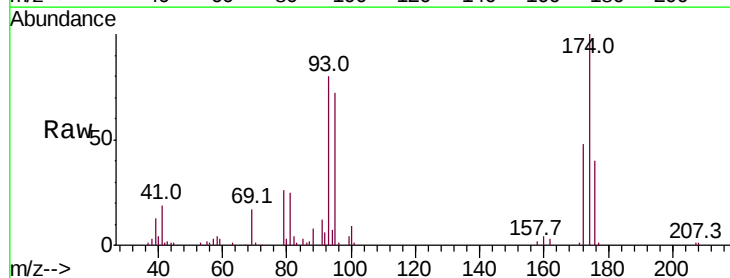
Tgt Ion: 93 Resp: 67311

Ion Ratio Lower Upper

93 100

95 82.9 66.4 99.6

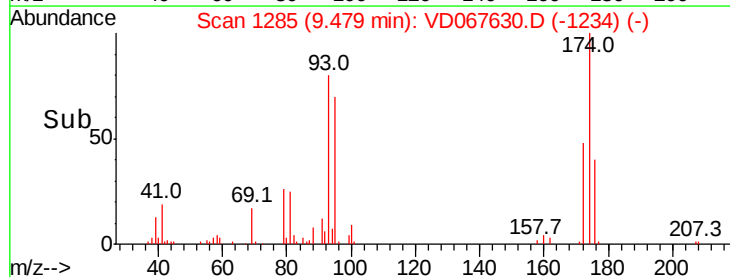
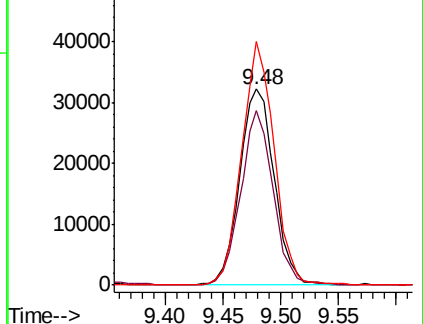
174 116.1 88.2 132.4

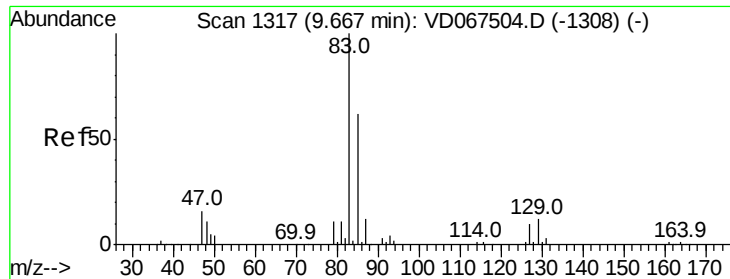


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 54.688 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

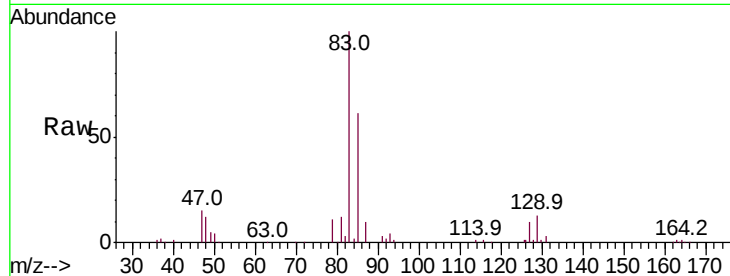
Tot Ion: 83 Resp: 191733

Ion Ratio Lower Upper

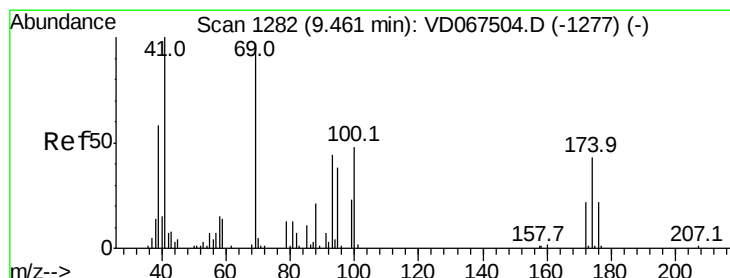
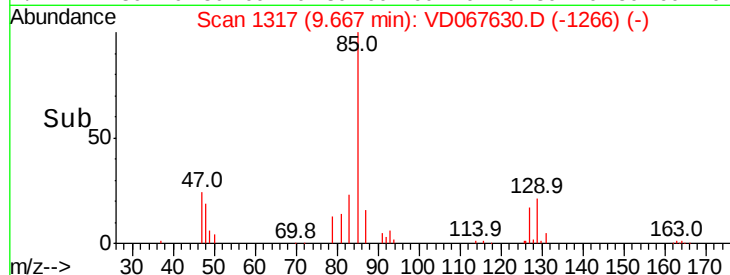
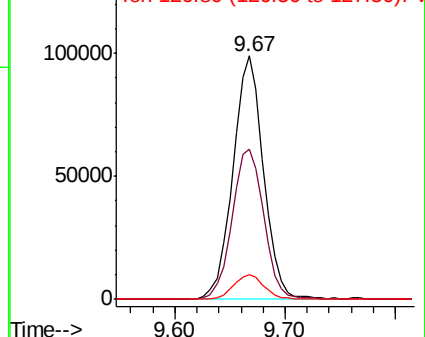
83 100

85 61.4 49.4 74.2

127 10.3 7.7 11.5



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



#48

Methyl methacrylate

Concen: 47.997 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

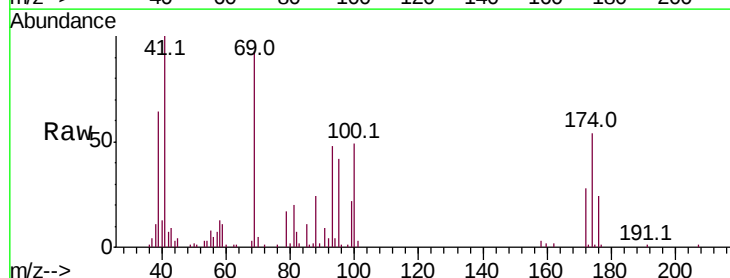
Tgt Ion: 41 Resp: 44076

Ion Ratio Lower Upper

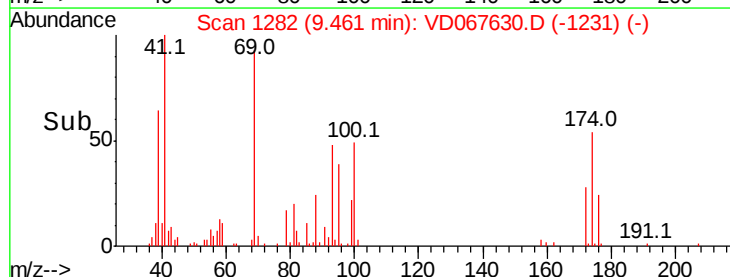
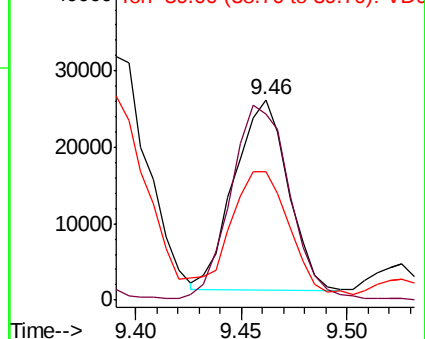
41 100

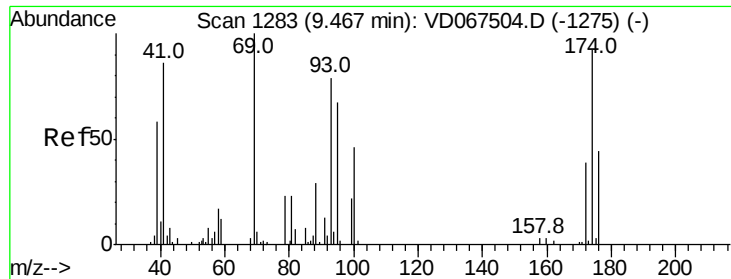
69 113.6 80.6 121.0

39 69.4 50.2 75.4



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

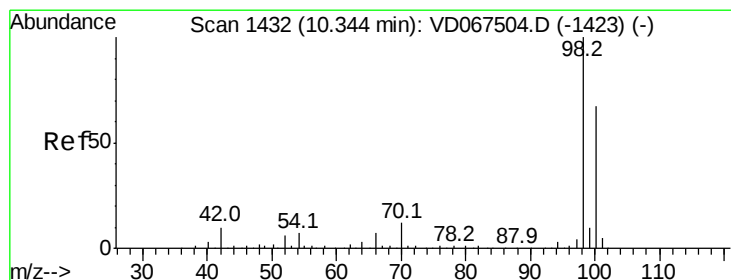
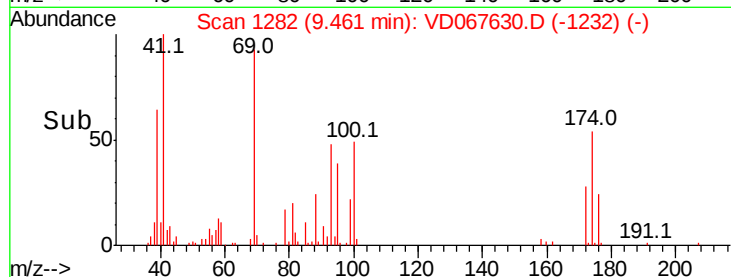
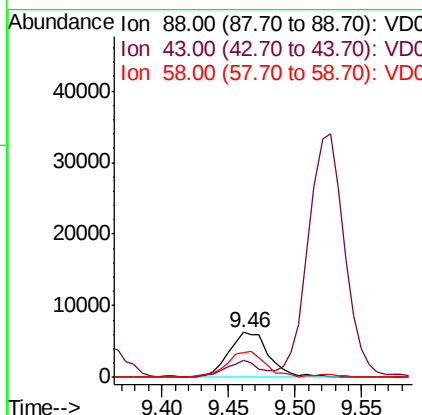
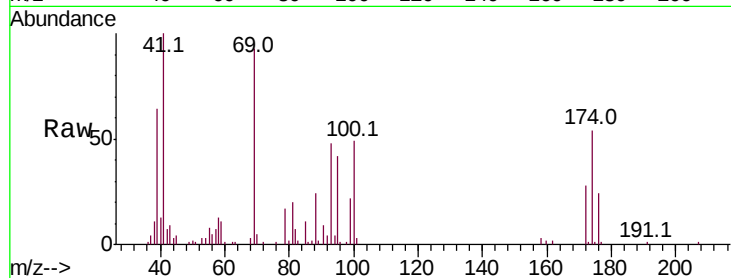




#49
1,4-Dioxane
Concen: 1008.205 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

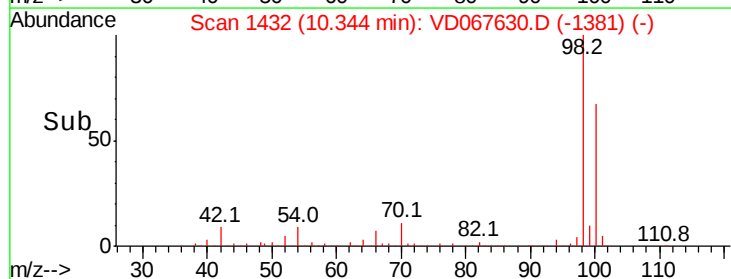
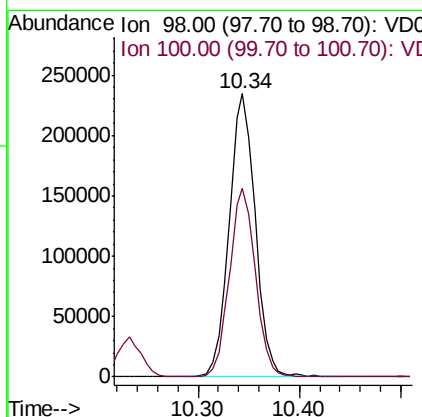
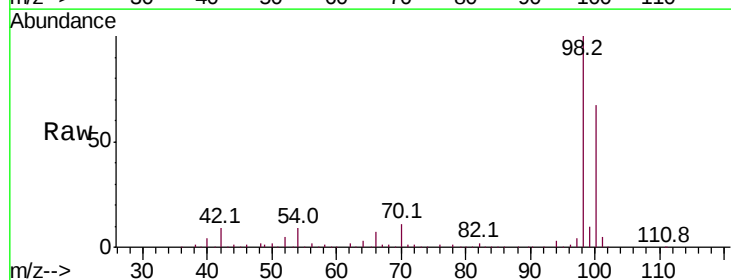
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

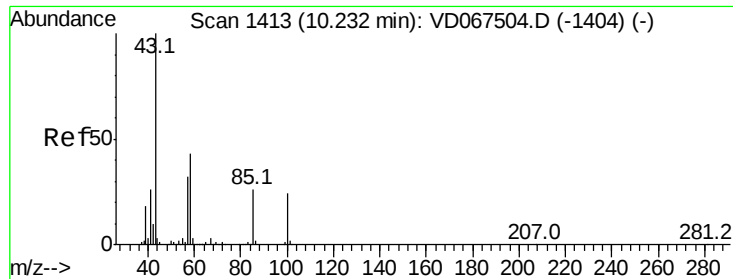
Tot Ion: 88 Resp: 13202
Ion Ratio Lower Upper
88 100
43 30.9 23.6 35.4
58 54.8 44.7 67.1



#50
Toluene-d8
Concen: 49.010 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 98 Resp: 419930
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 268.293 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

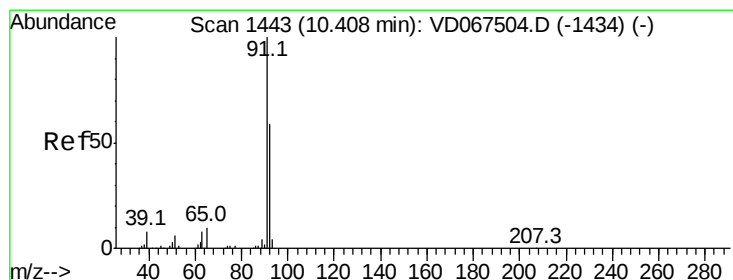
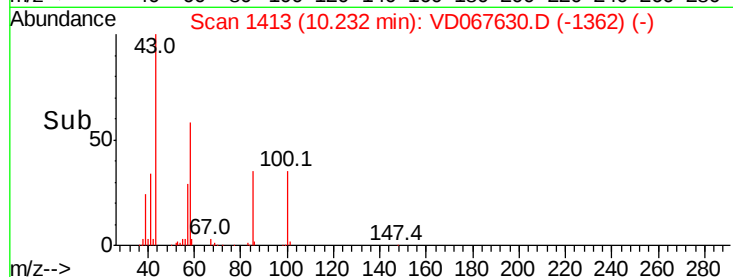
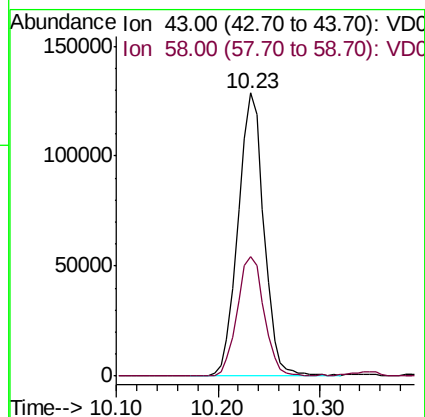
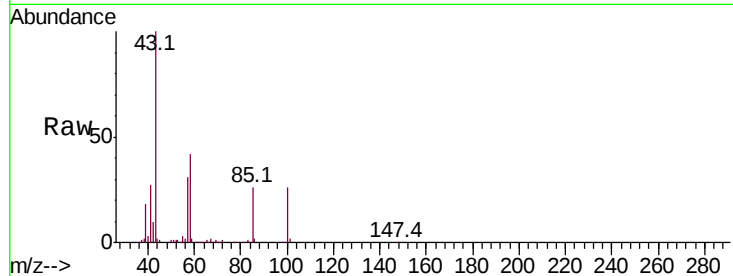
VSTDCCC050

Tot Ion: 43 Resp: 228209

Ion Ratio Lower Upper

43 100

58 43.9 35.6 53.4



#52

Toluene

Concen: 55.476 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067630.D

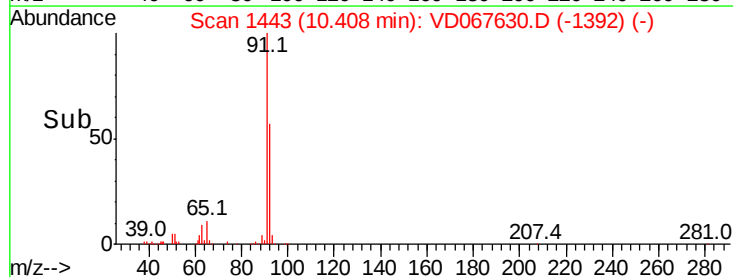
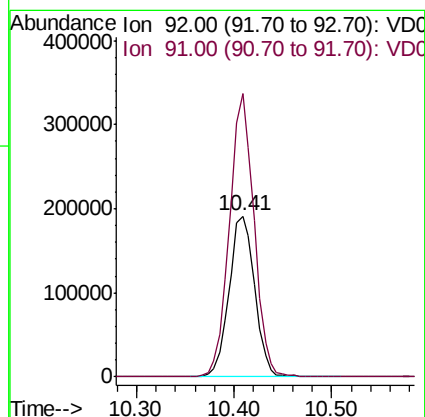
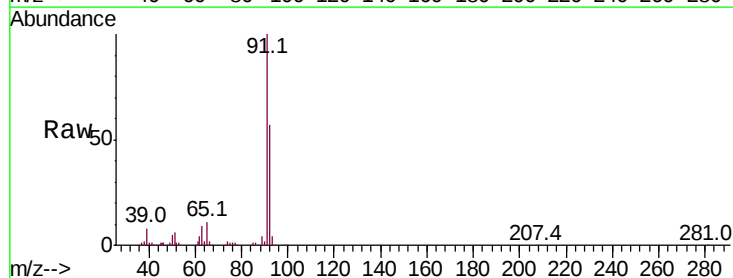
Acq: 16 Nov 2020 10:11

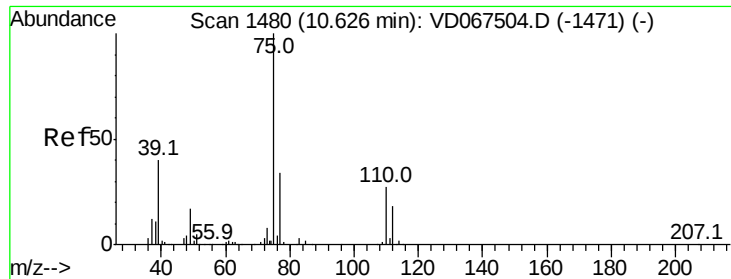
Tgt Ion: 92 Resp: 348653

Ion Ratio Lower Upper

92 100

91 168.6 137.0 205.6

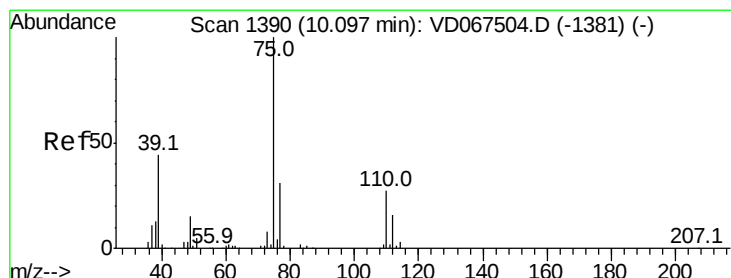
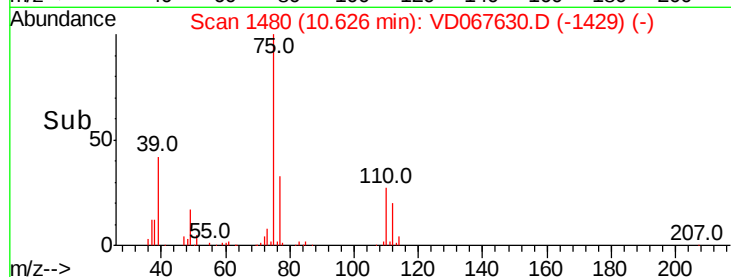
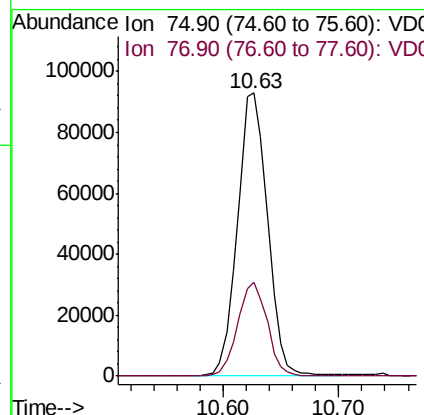
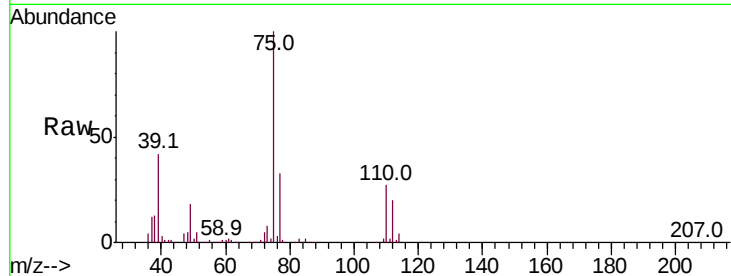




#53
t-1,3-Dichloropropene
Concen: 56.019 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

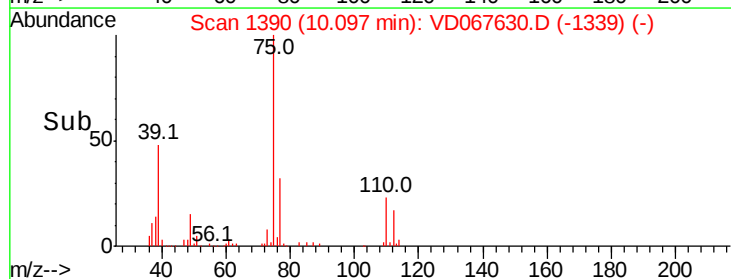
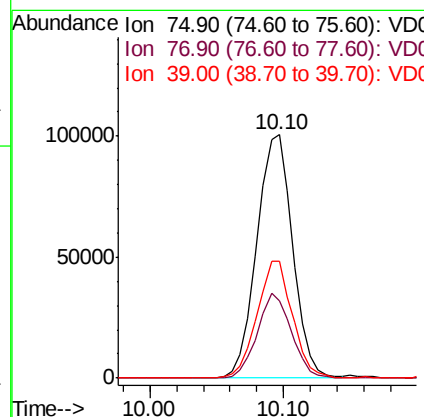
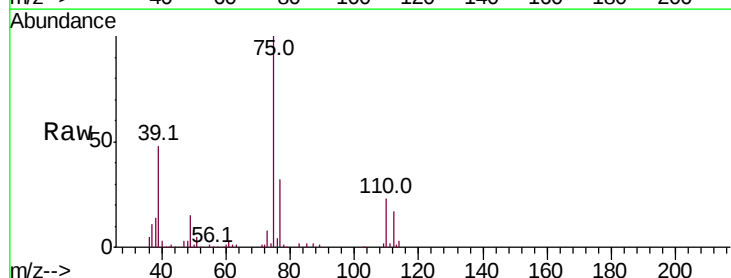
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

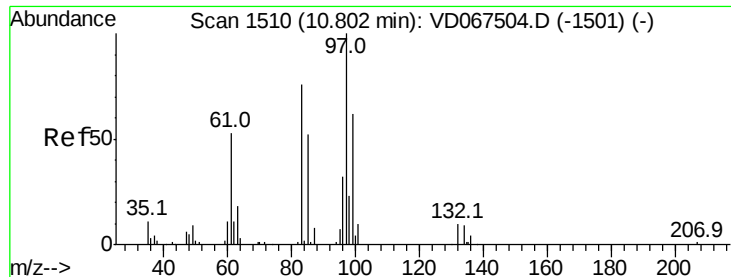
Tot Ion: 75 Resp: 168207
Ion Ratio Lower Upper
75 100
77 33.0 27.0 40.6



#54
cis-1,3-Dichloropropene
Concen: 52.203 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 75 Resp: 186236
Ion Ratio Lower Upper
75 100
77 31.6 24.4 36.6
39 47.6 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 53.123 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 90664

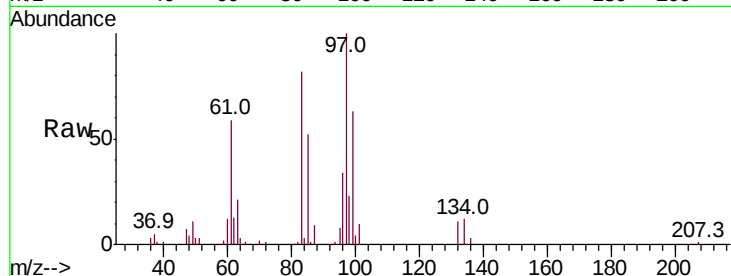
Ion Ratio Lower Upper

97 100

83 82.2 61.0 91.6

85 52.7 41.5 62.3

99 63.3 49.4 74.2

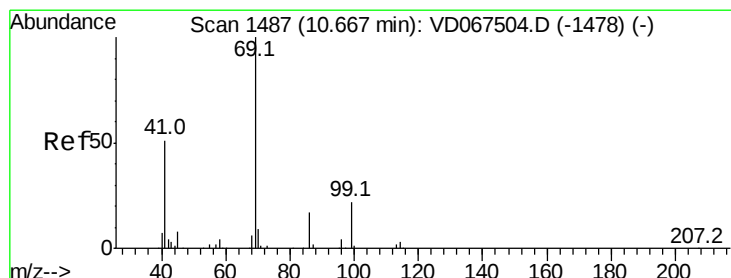
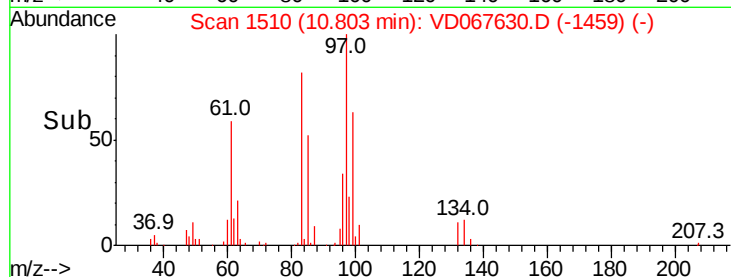
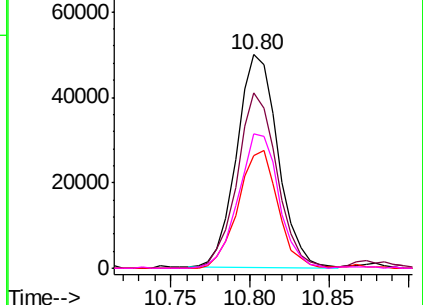


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 54.101 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

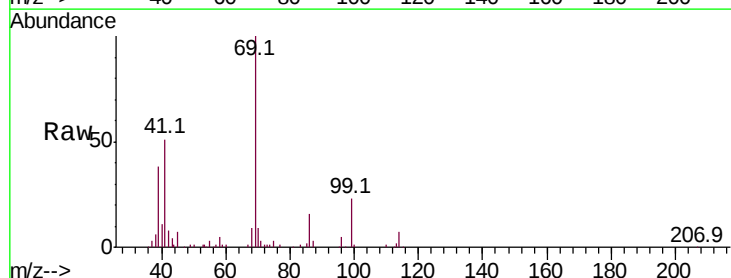
Tgt Ion: 69 Resp: 95349

Ion Ratio Lower Upper

69 100

41 53.3 45.4 68.0

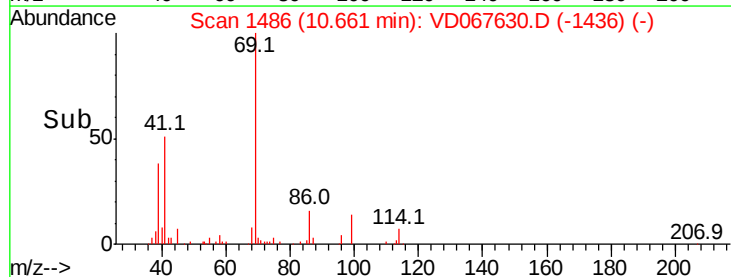
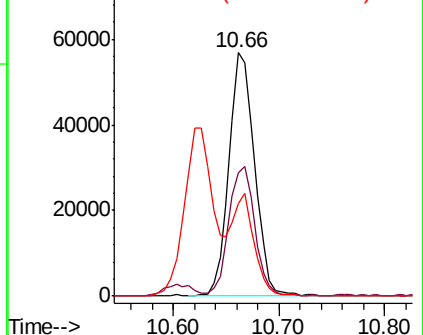
39 35.1 27.4 41.0

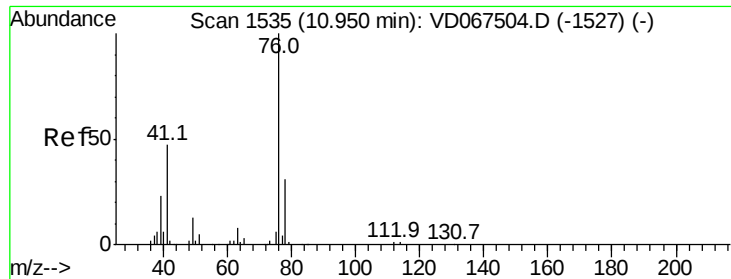


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 52.884 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

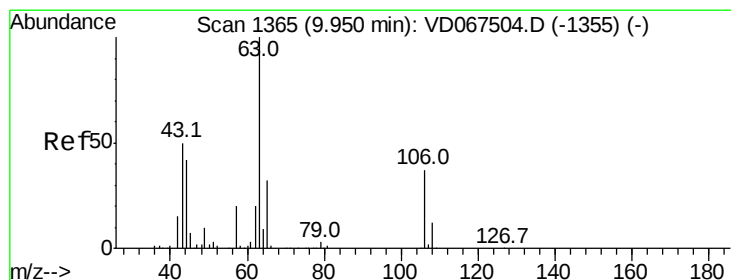
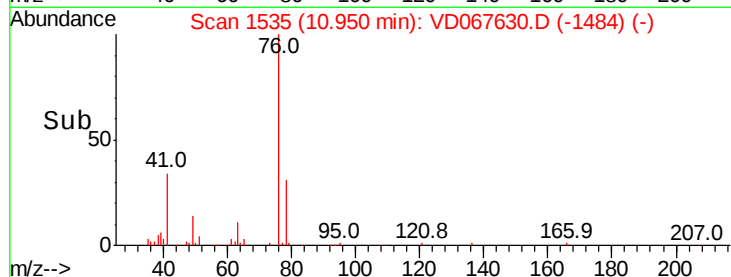
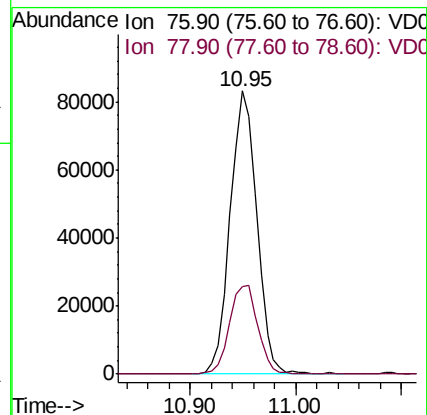
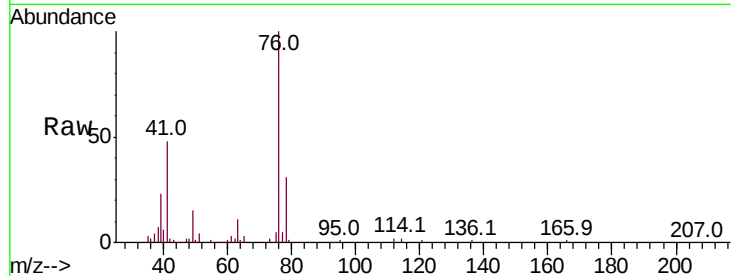
VSTDCCC050

Tot Ion: 76 Resp: 145237

Ion Ratio Lower Upper

76 100

78 33.2 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 246.388 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067630.D

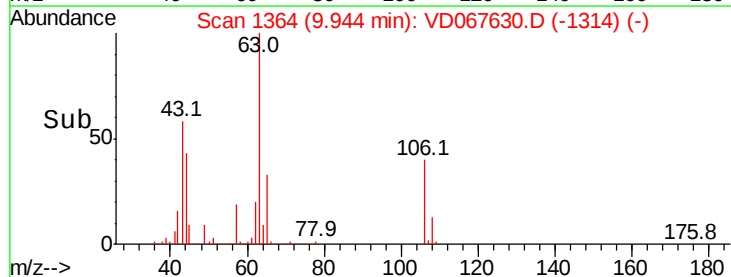
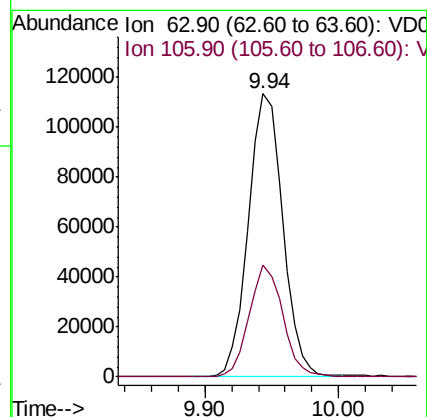
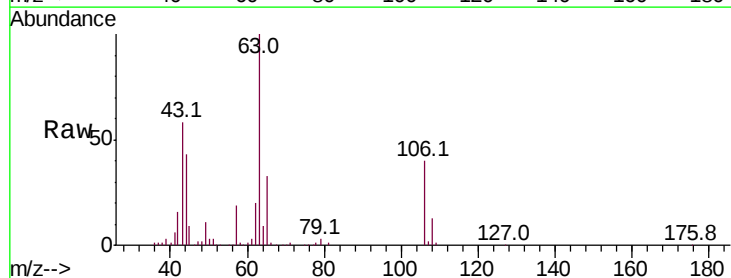
Acq: 16 Nov 2020 10:11

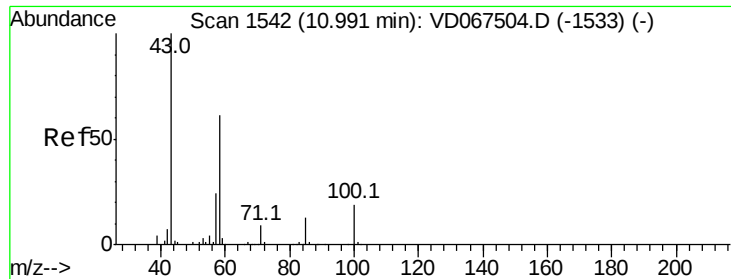
Tgt Ion: 63 Resp: 202500

Ion Ratio Lower Upper

63 100

106 38.4 29.2 43.8

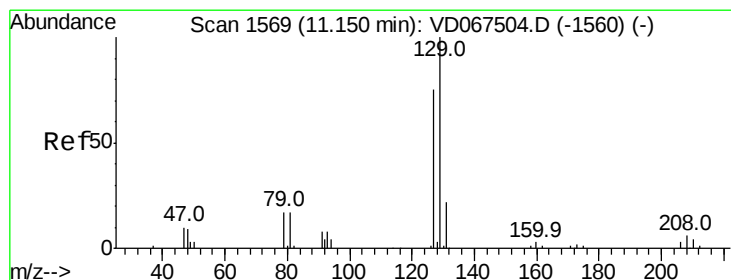
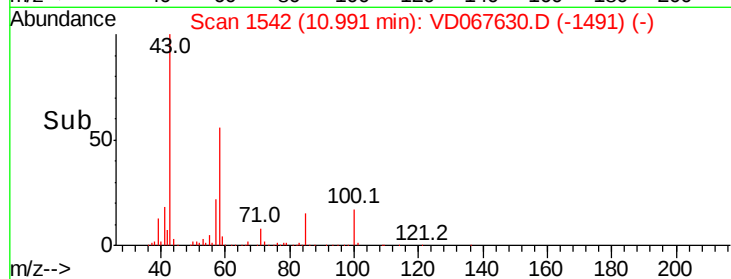
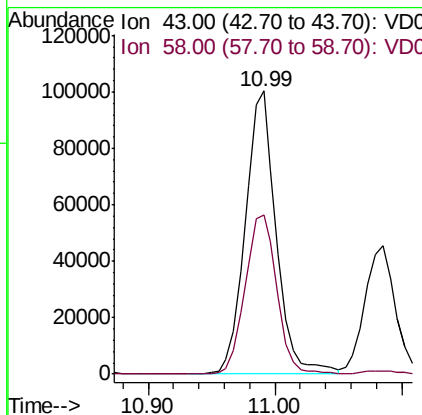
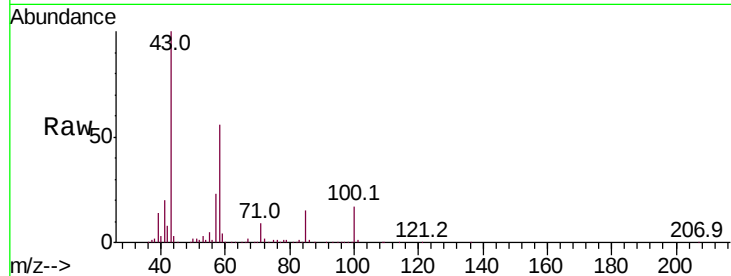




#59
2-Hexanone
Concen: 285.231 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

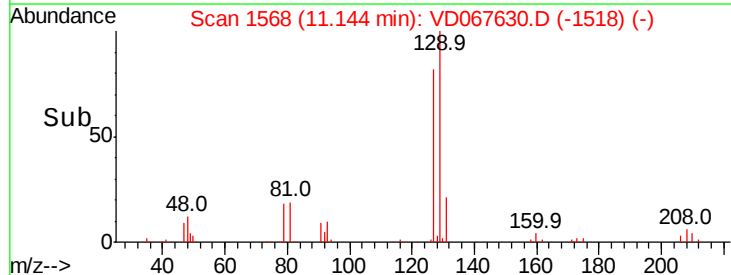
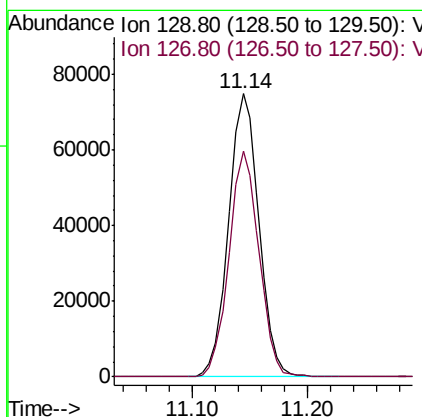
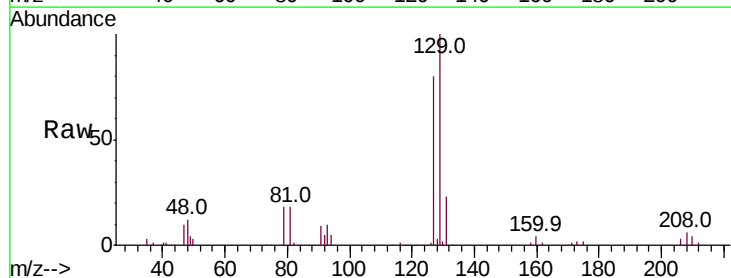
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

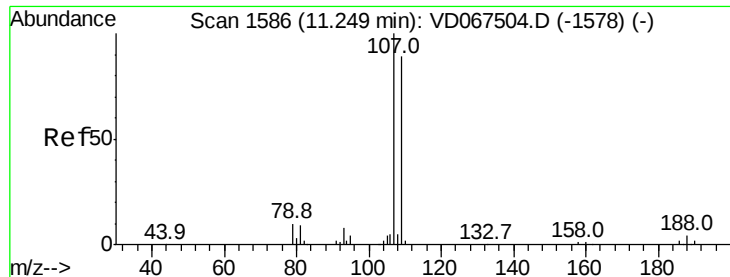
Tot Ion: 43 Resp: 169638
Ion Ratio Lower Upper
43 100
58 57.8 30.3 90.9



#60
Dibromochloromethane
Concen: 53.904 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 129 Resp: 136089
Ion Ratio Lower Upper
129 100
127 78.9 38.0 114.1

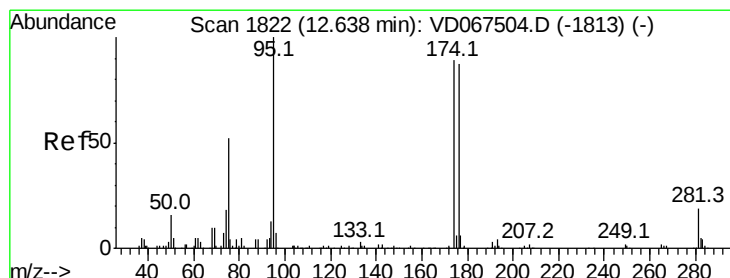
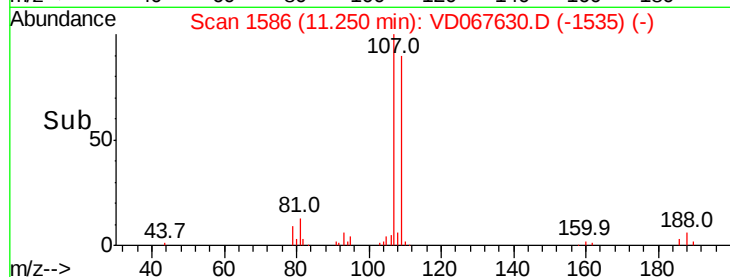
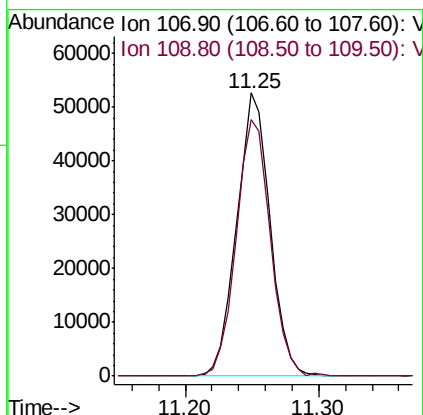
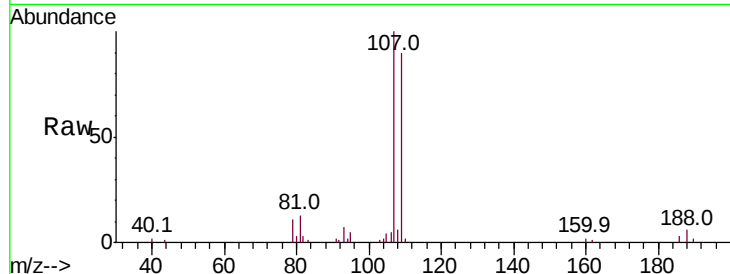




#61
 1,2-Dibromoethane
 Concen: 52.899 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

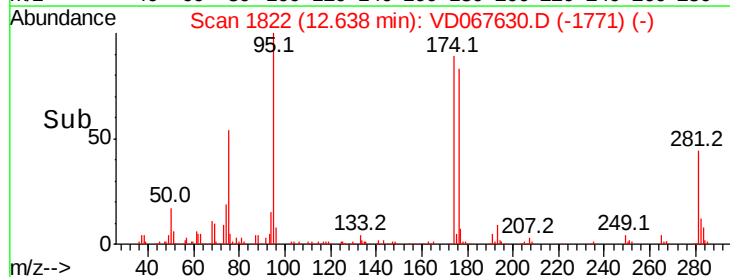
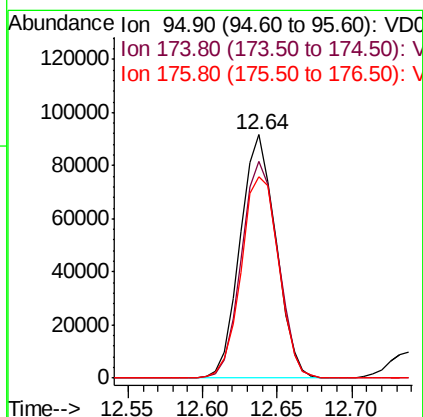
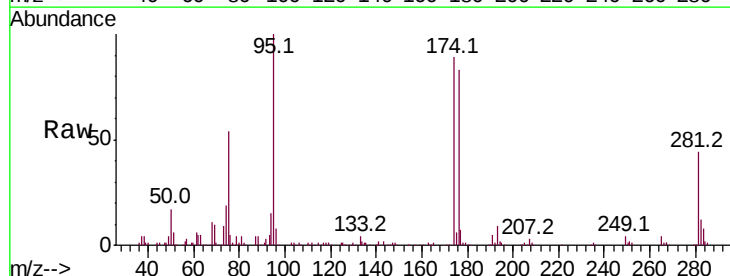
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

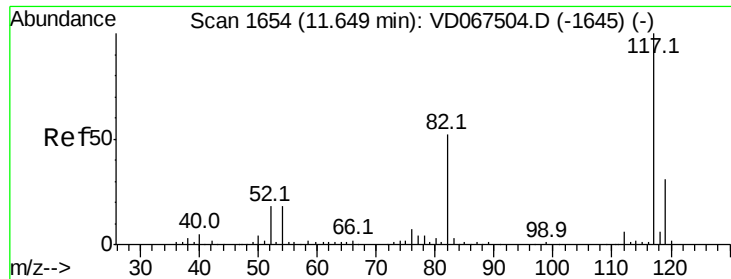
Tot Ion:107 Resp: 90610
 Ion Ratio Lower Upper
 107 100
 109 92.6 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 51.578 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Tgt Ion: 95 Resp: 152575
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 177.8
 176 86.4 0.0 172.0

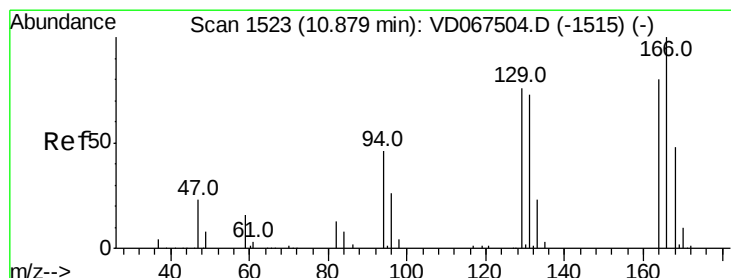
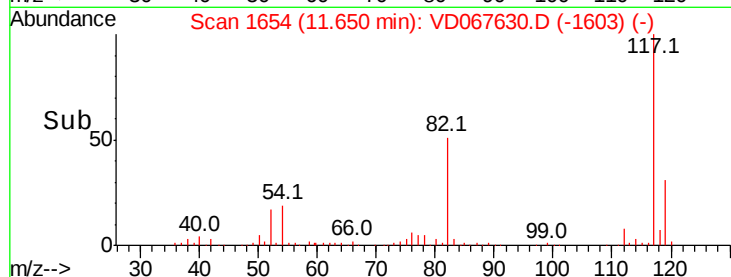
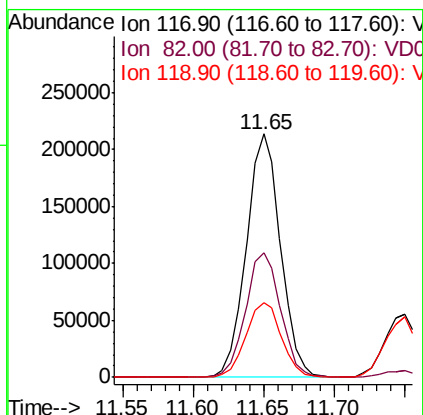
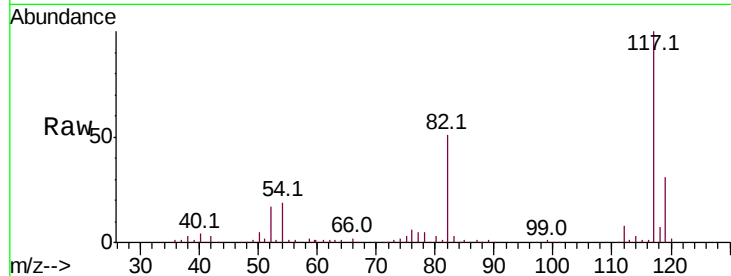




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

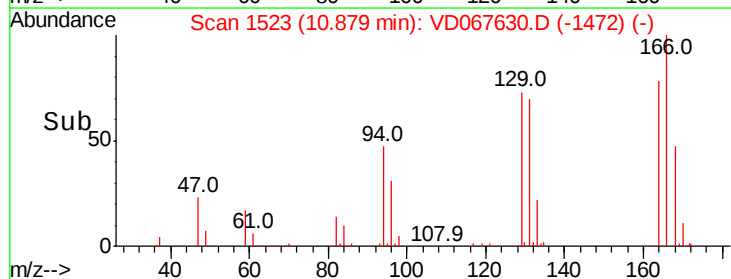
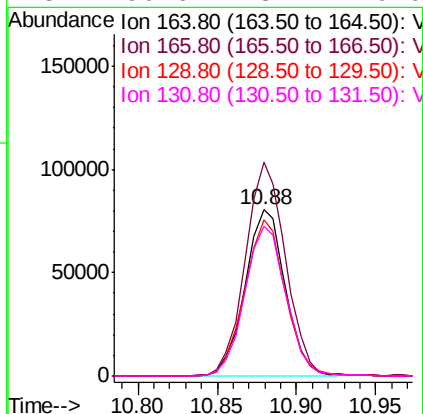
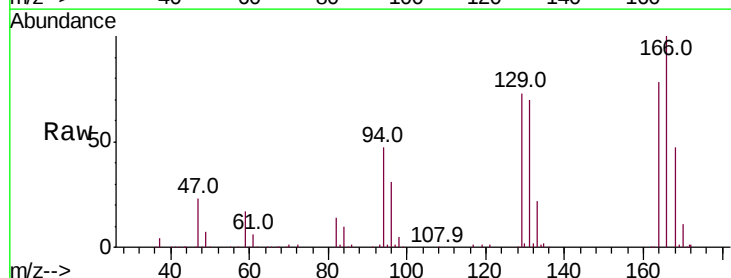
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

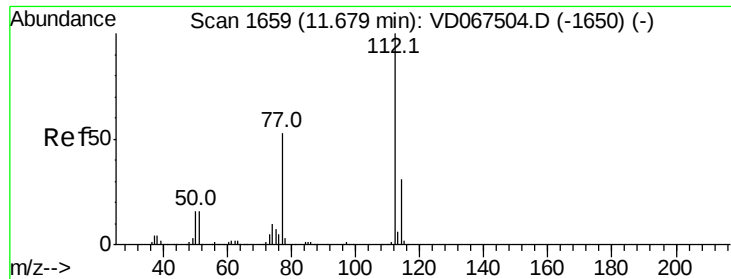
Tot Ion:117 Resp: 363069
Ion Ratio Lower Upper
117 100
82 51.3 41.6 62.4
119 30.7 25.1 37.7



#64
Tetrachloroethene
Concen: 52.854 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion:164 Resp: 142117
Ion Ratio Lower Upper
164 100
166 128.7 99.9 149.9
129 94.3 75.5 113.3
131 90.6 73.4 110.0





#65

Chlorobenzene

Concen: 54.129 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

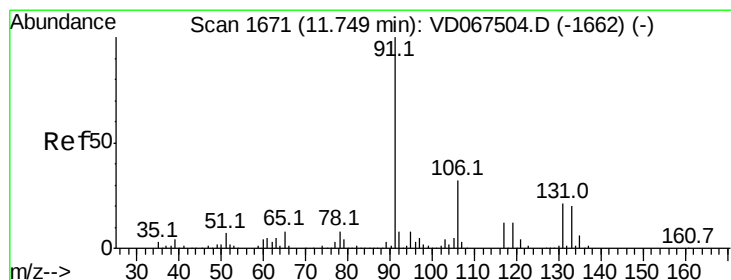
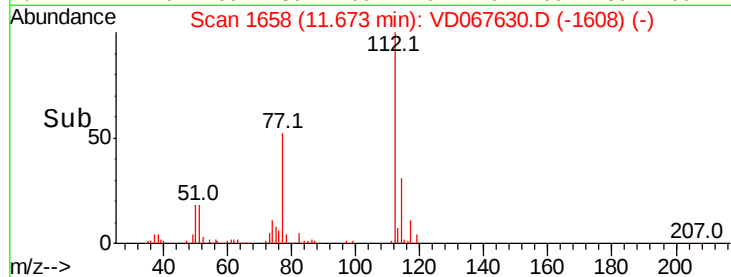
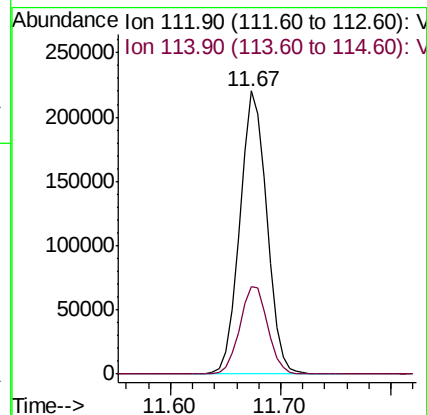
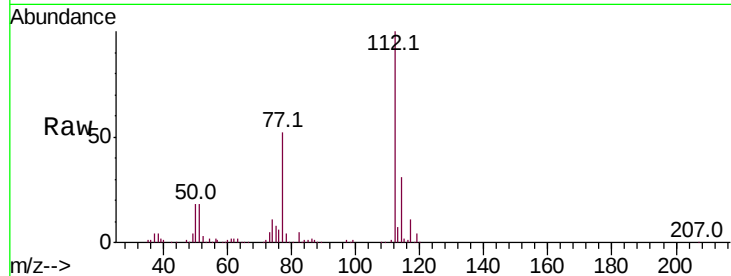
VSTDCCC050

Tot Ion:112 Resp: 378564

Ion Ratio Lower Upper

112 100

114 30.9 24.9 37.3



#66

1,1,1,2-Tetrachloroethane

Concen: 54.056 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

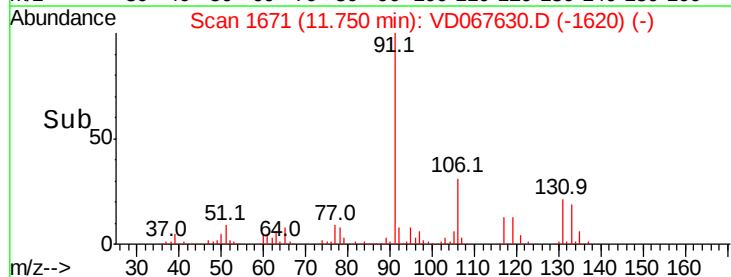
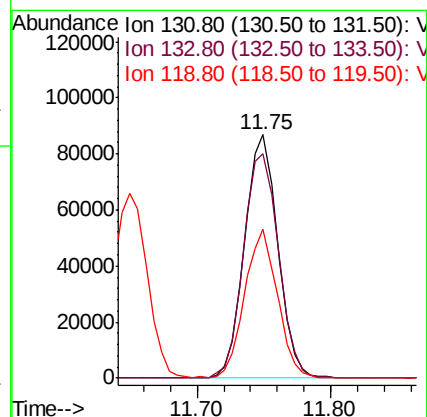
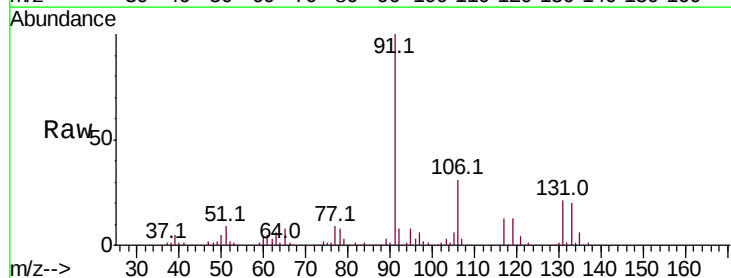
Tgt Ion:131 Resp: 149004

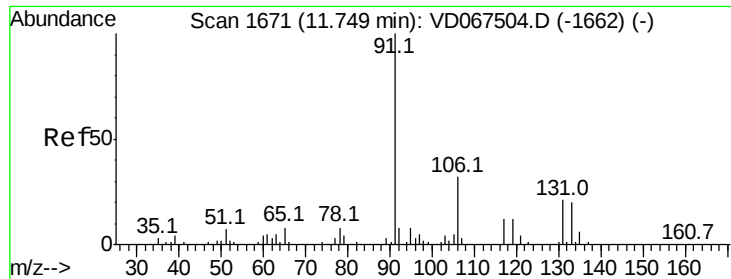
Ion Ratio Lower Upper

131 100

133 97.6 48.0 144.0

119 60.6 30.1 90.5

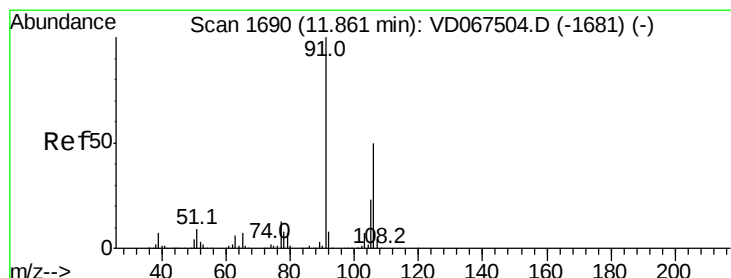
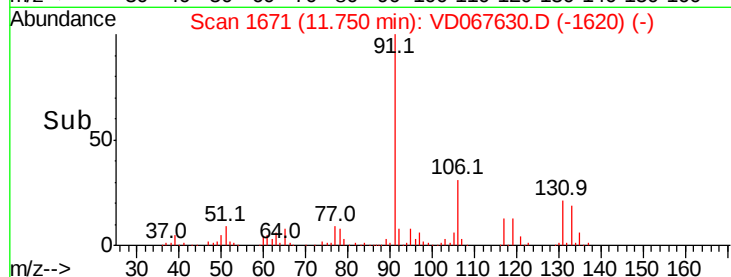
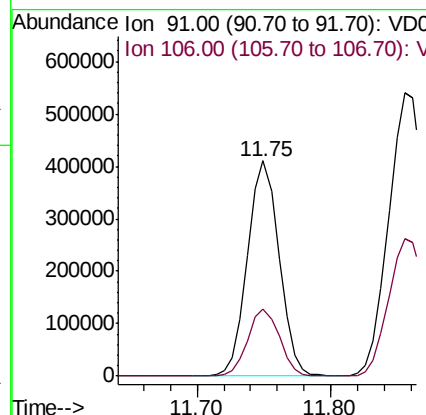
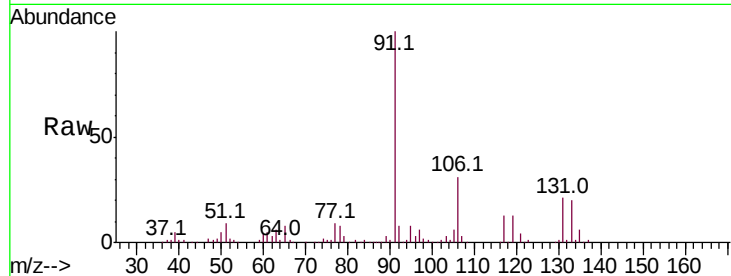




#67
Ethyl Benzene
Concen: 56.180 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

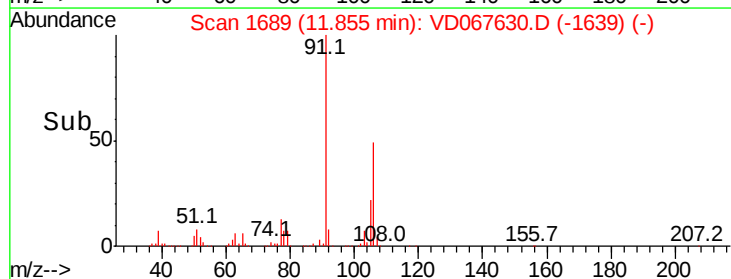
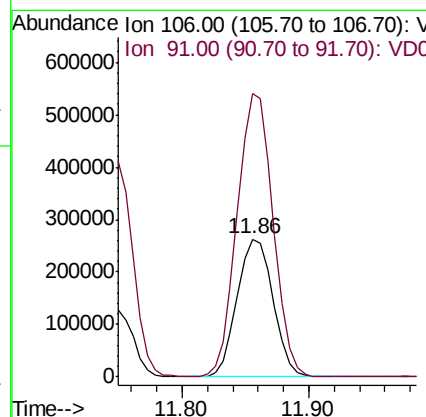
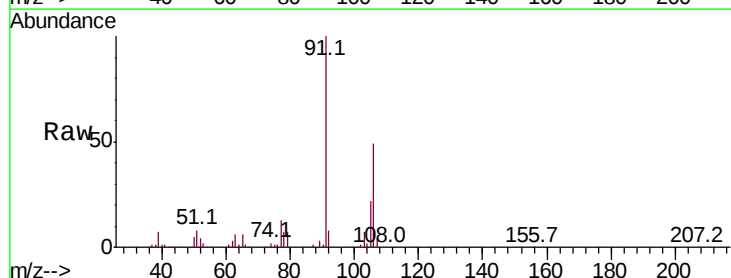
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

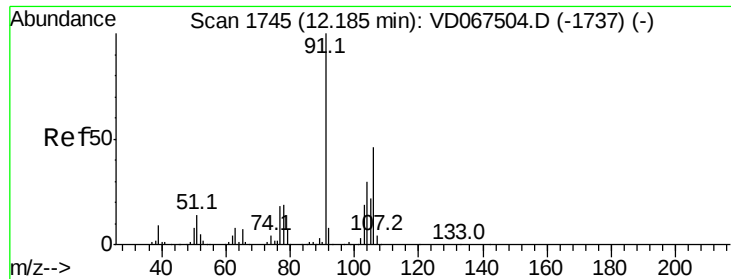
Tot Ion: 91 Resp: 672337
Ion Ratio Lower Upper
91 100
106 31.3 25.7 38.5



#68
m/p-Xylenes
Concen: 111.133 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 106 Resp: 517429
Ion Ratio Lower Upper
106 100
91 205.1 162.6 244.0

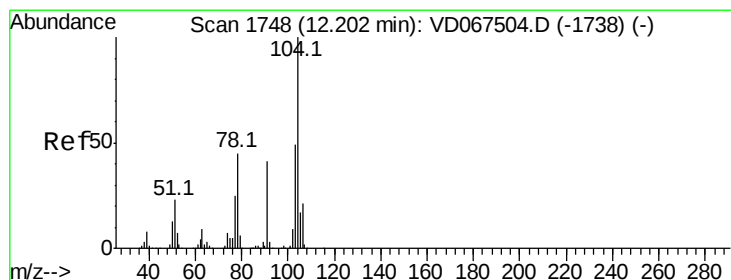
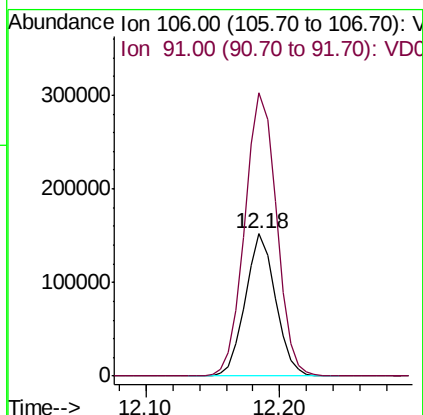
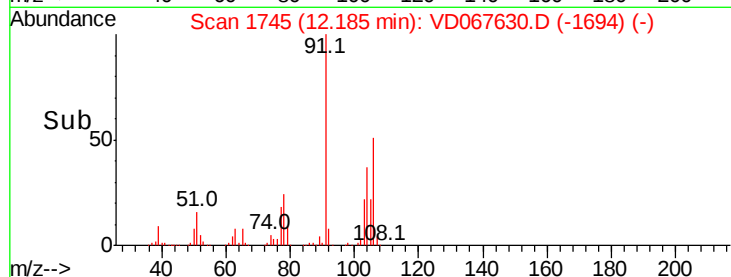
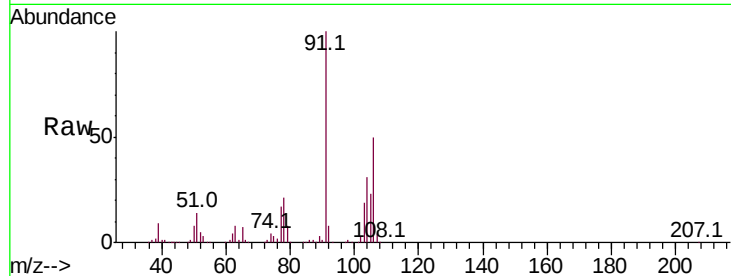




#69
o-Xylene
Concen: 56.911 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

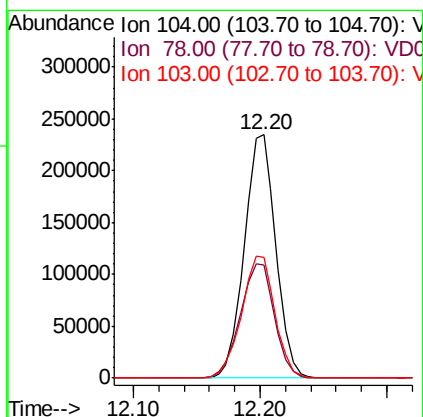
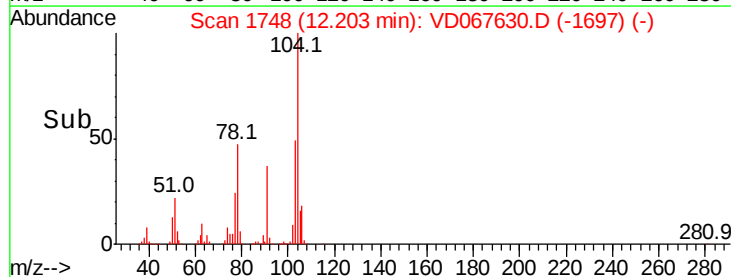
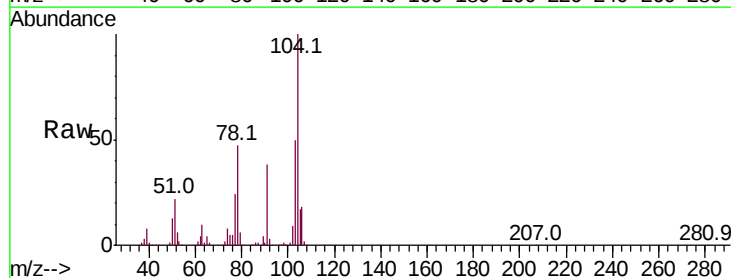
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

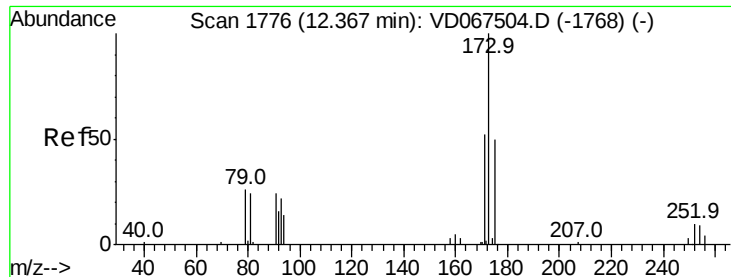
Tot Ion:106 Resp: 236574
Ion Ratio Lower Upper
106 100
91 209.8 107.1 321.1



#70
Styrene
Concen: 55.951 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion:104 Resp: 405281
Ion Ratio Lower Upper
104 100
78 50.9 39.8 59.8
103 53.1 43.9 65.9





#71

Bromoform

Concen: 54.990 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

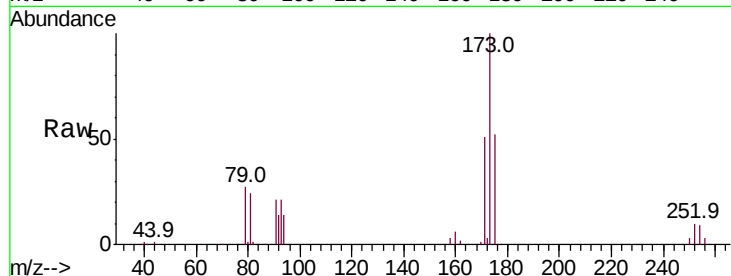
Tot Ion:173 Resp: 77306

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.2

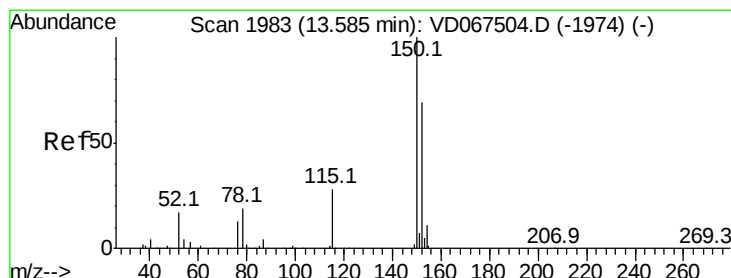
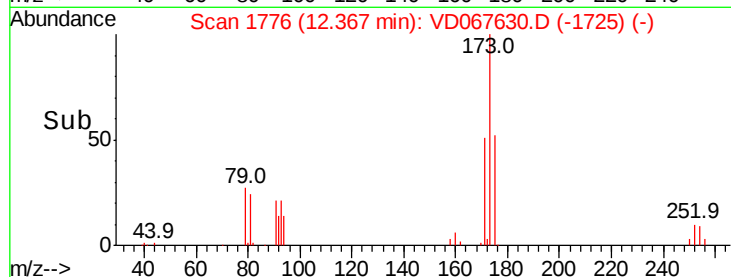
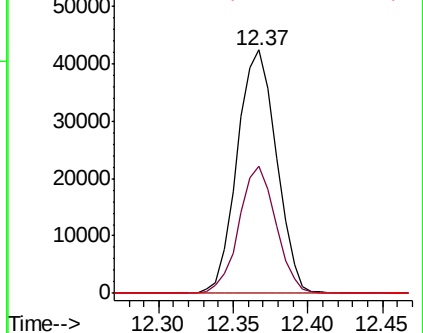
254 0.0 0.0 0.0



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. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

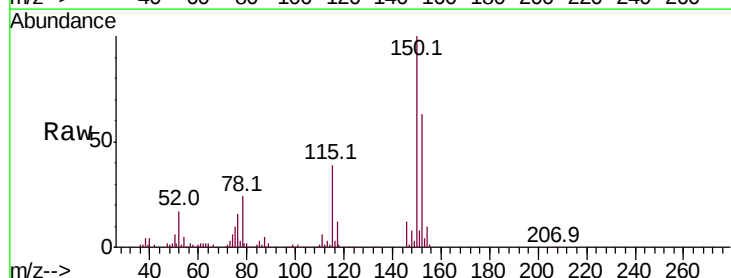
Tgt Ion:152 Resp: 184157

Ion Ratio Lower Upper

152 100

115 59.1 29.3 88.0

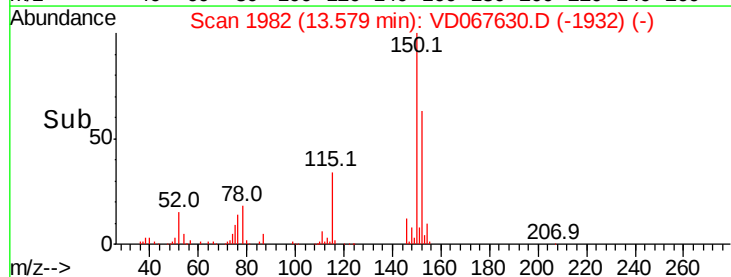
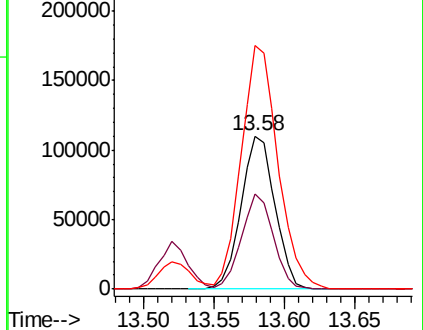
150 172.9 0.0 338.2

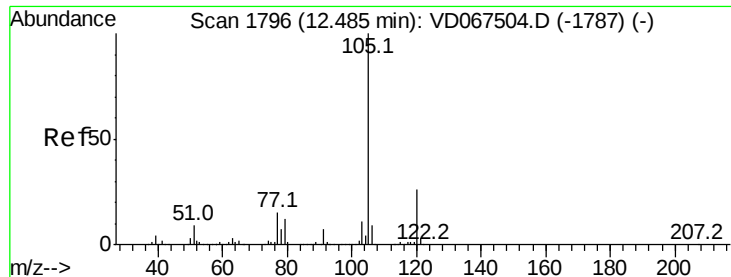


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.183 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

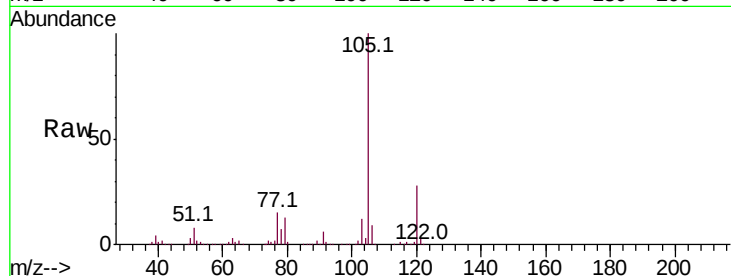
VSTDCCC050

Tot Ion:105 Resp: 680580

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

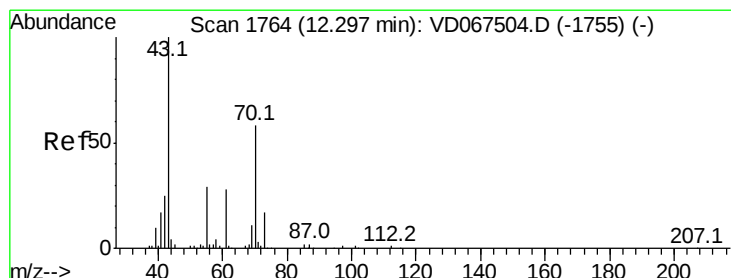
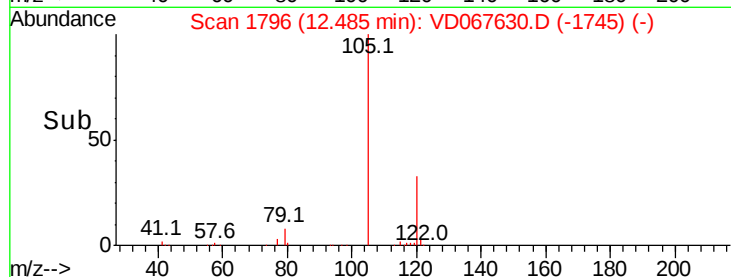
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 52.682 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Tgt Ion: 43 Resp: 82505

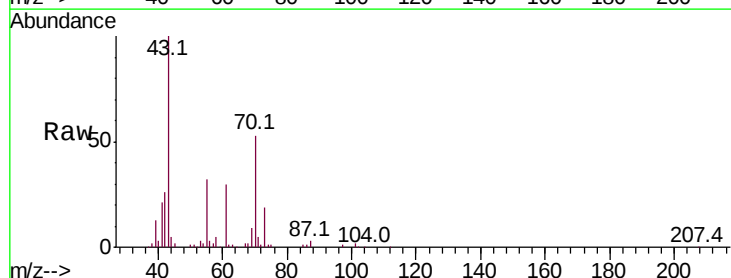
Ion Ratio Lower Upper

43 100

70 53.5 42.6 64.0

55 30.4 23.7 35.5

61 28.0 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

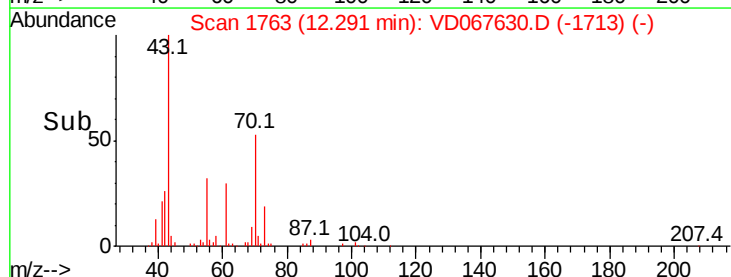
60000

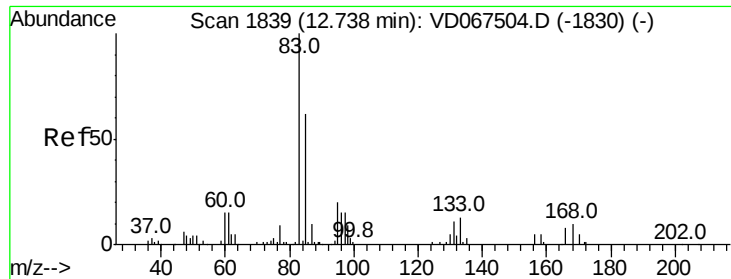
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.394 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

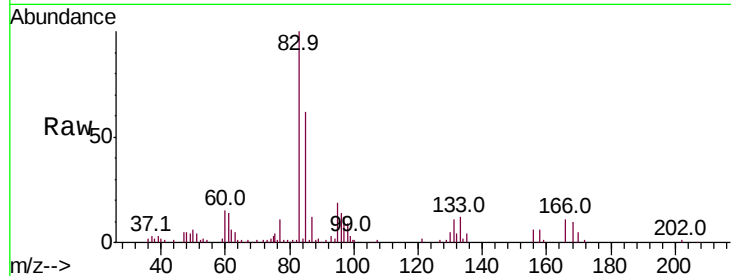
Tot Ion: 83 Resp: 85032

Ion Ratio Lower Upper

83 100

131 12.9 7.1 21.3

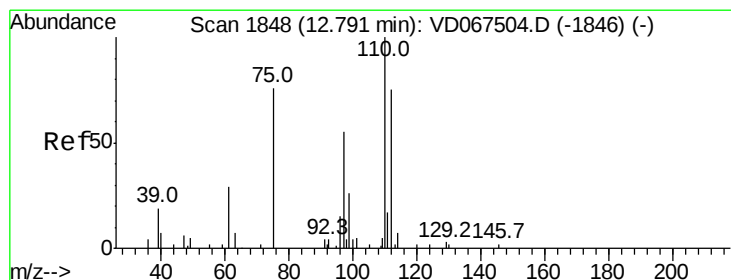
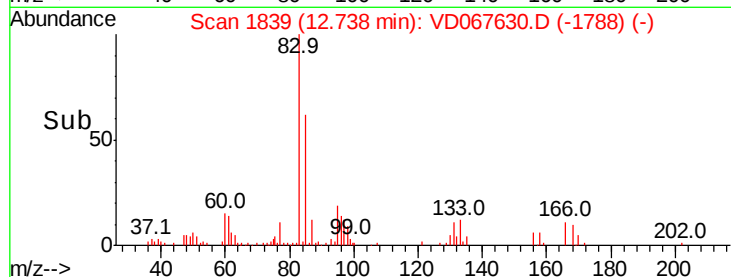
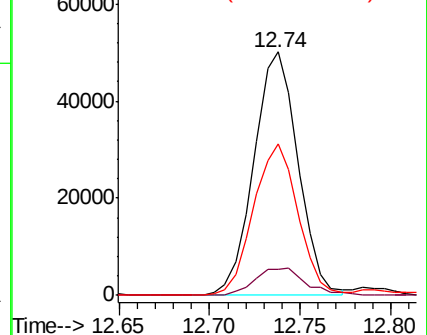
85 62.3 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 109.615 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067630.D

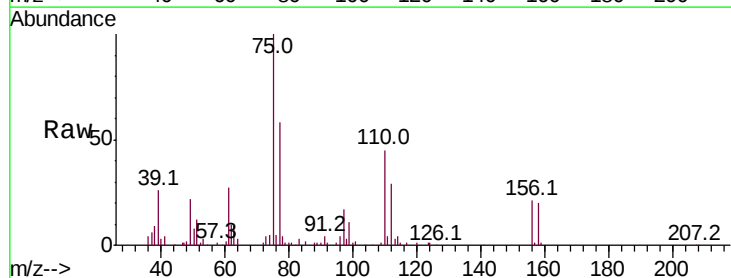
Acq: 16 Nov 2020 10:11

Tgt Ion: 75 Resp: 121776

Ion Ratio Lower Upper

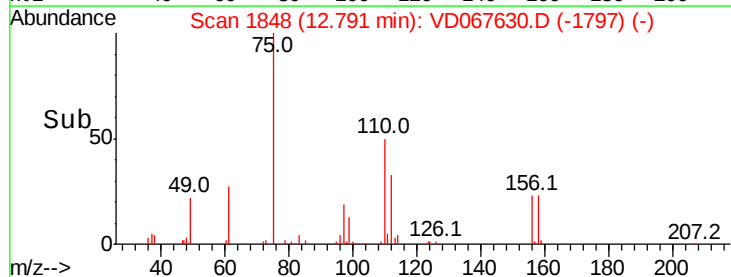
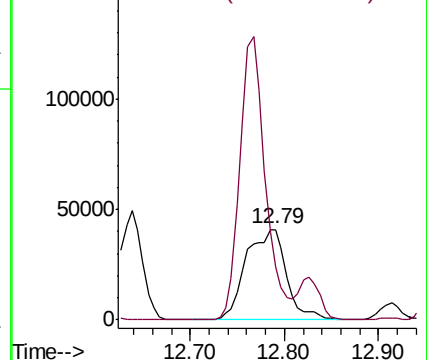
75 100

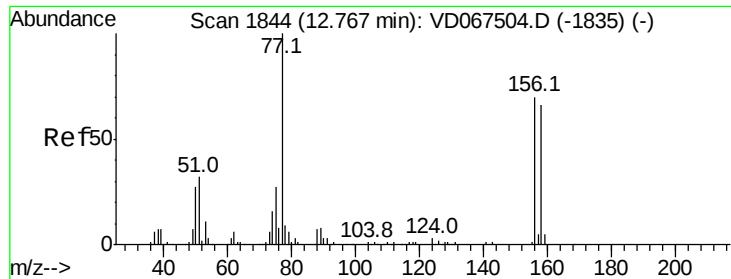
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 54.841 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

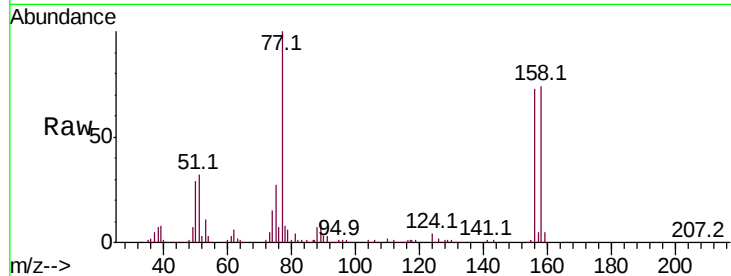
Tot Ion:156 Resp: 160297

Ion Ratio Lower Upper

156 100

77 151.9 77.8 233.5

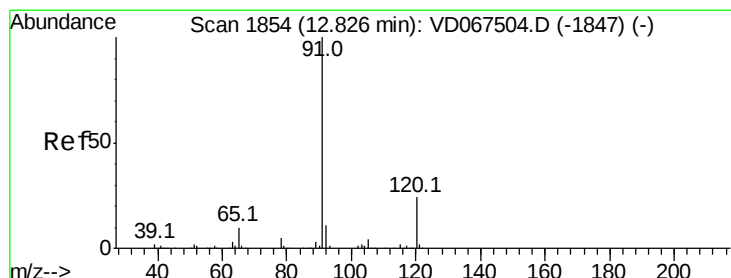
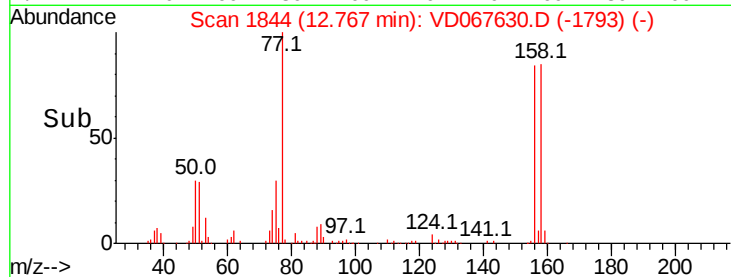
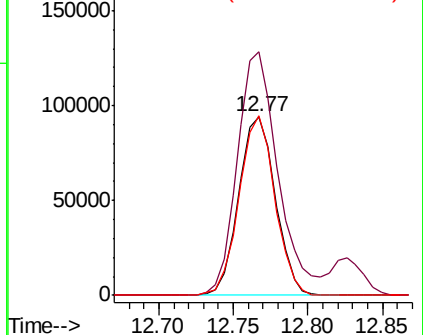
158 97.9 47.9 143.7



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: 56.274 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067630.D

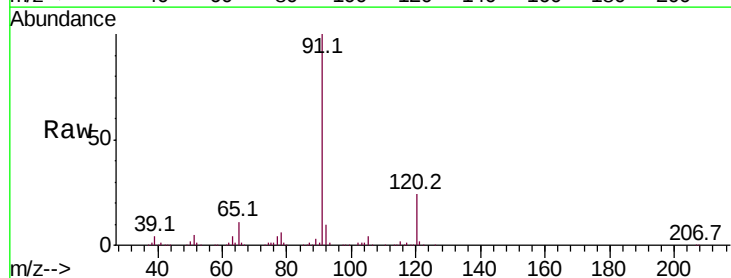
Acq: 16 Nov 2020 10:11

Tgt Ion: 91 Resp: 766085

Ion Ratio Lower Upper

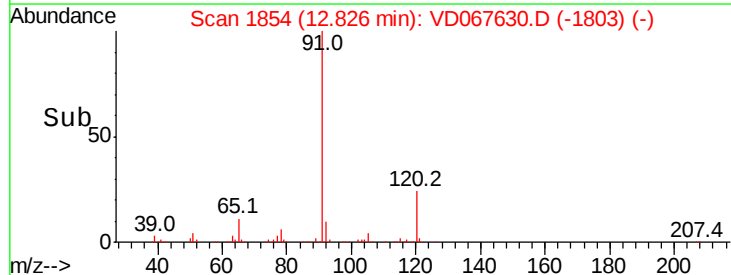
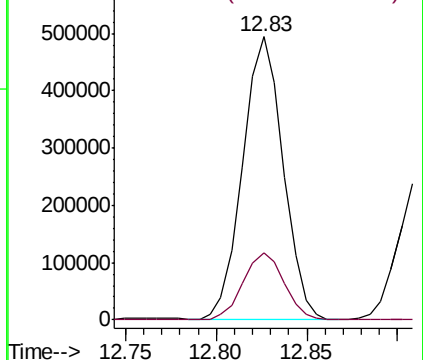
91 100

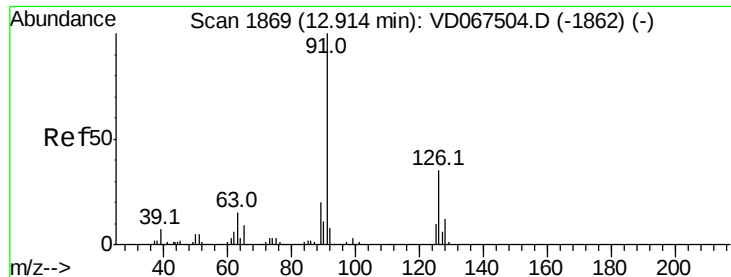
120 24.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.746 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

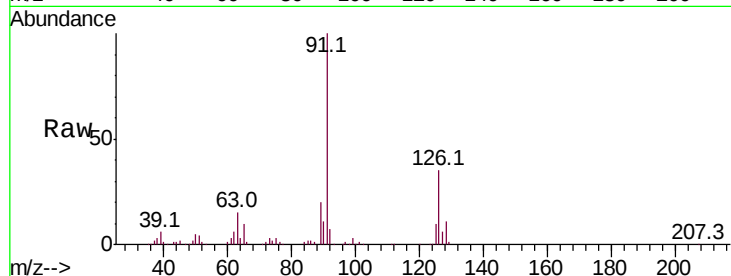
VSTDCCC050

Tot Ion: 91 Resp: 431094

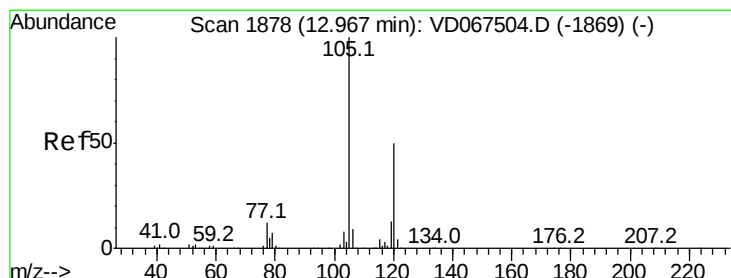
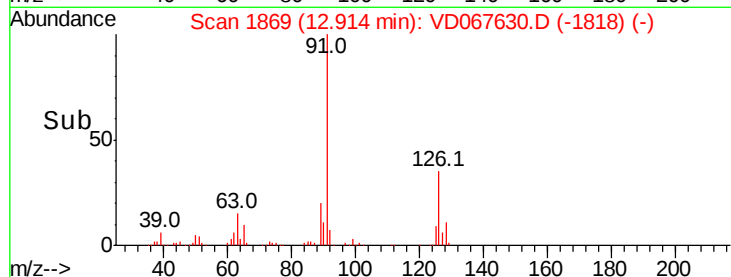
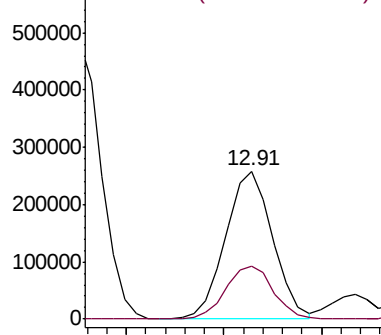
Ion Ratio Lower Upper

91 100

126 36.3 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 57.823 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067630.D

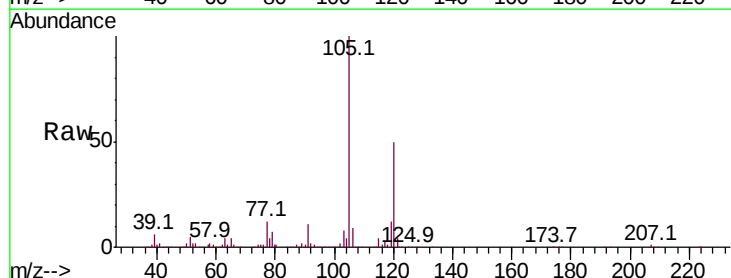
Acq: 16 Nov 2020 10:11

Tgt Ion:105 Resp: 587888

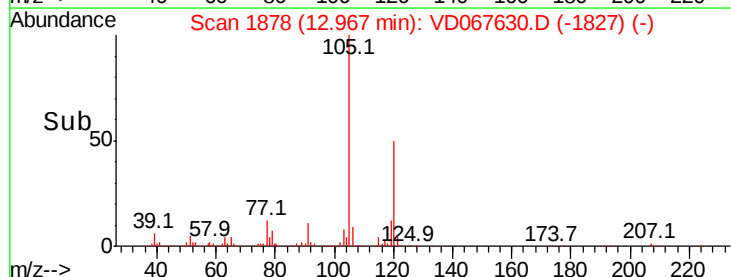
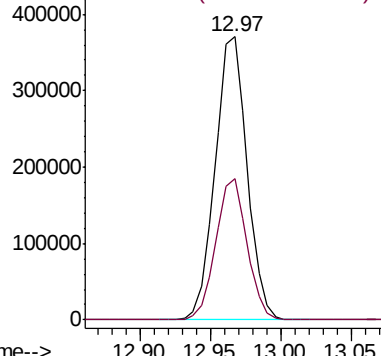
Ion Ratio Lower Upper

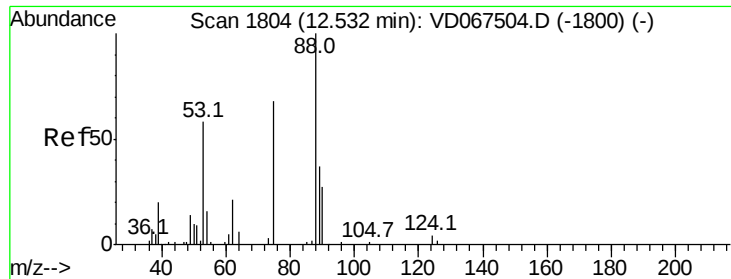
105 100

120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.939 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

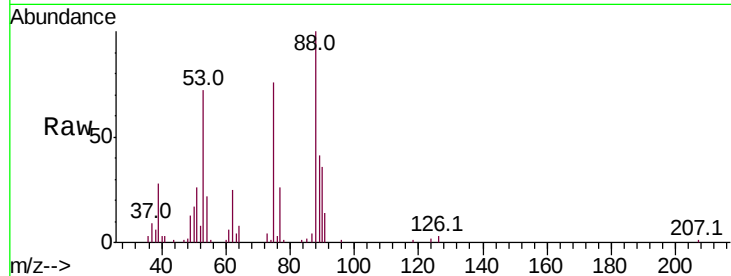
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 29515

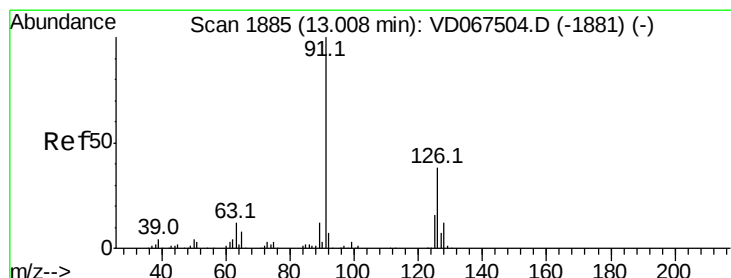
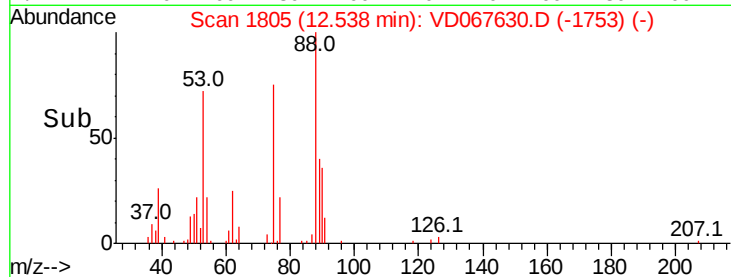
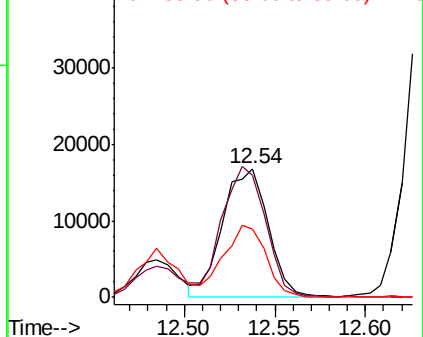
Ion	Ratio	Lower	Upper
75	100		
53	95.6	75.9	113.9
89	51.7	44.6	67.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 55.915 ug/l

RT: 13.01 min Scan# 1885

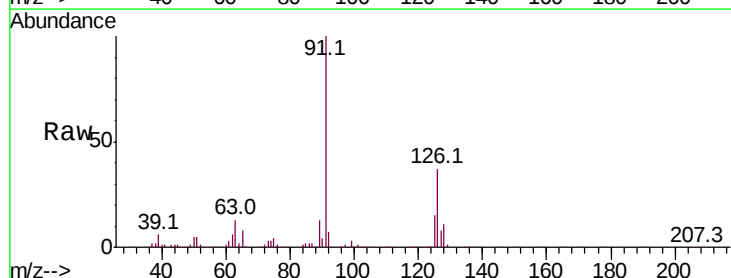
Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

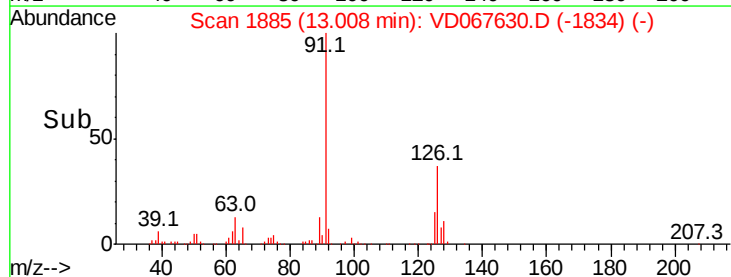
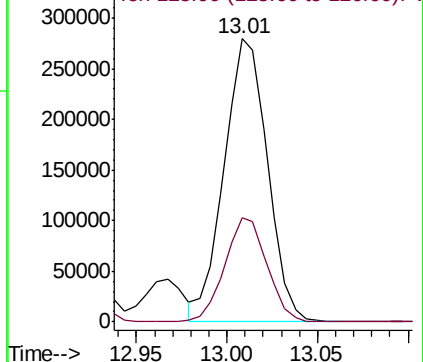
Tgt Ion: 91 Resp: 463750

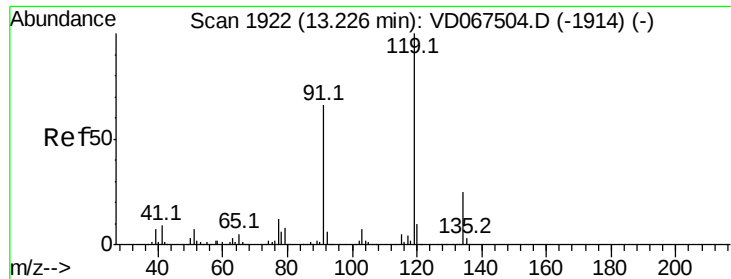
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

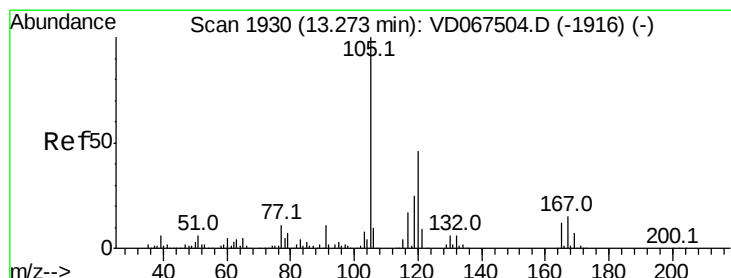
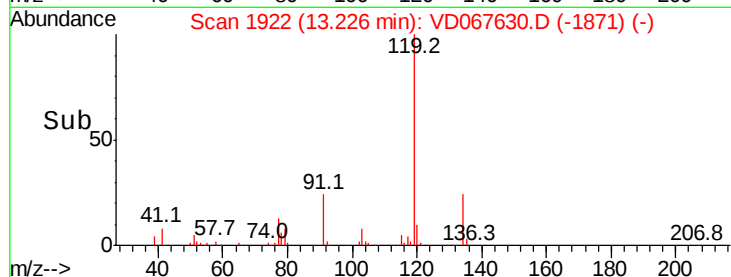
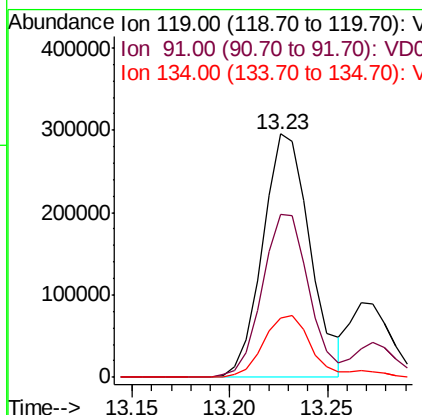
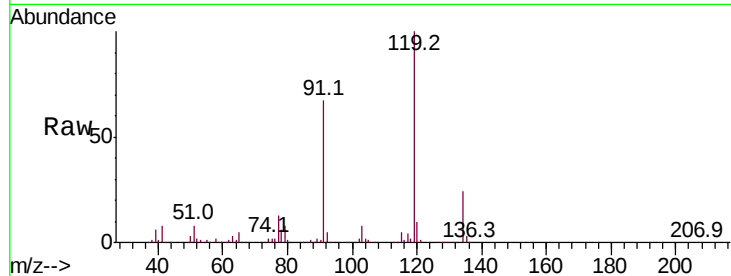




#83
tert-Butylbenzene
Concen: 58.013 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

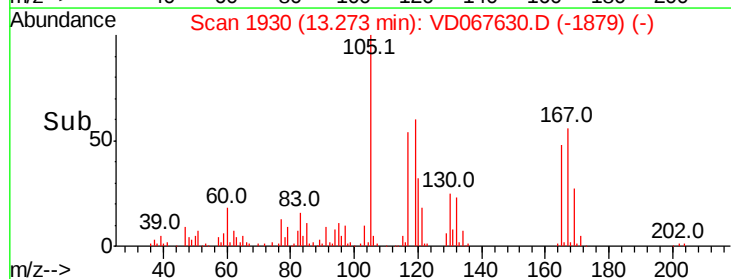
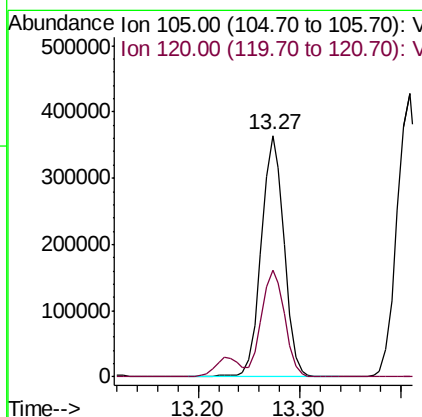
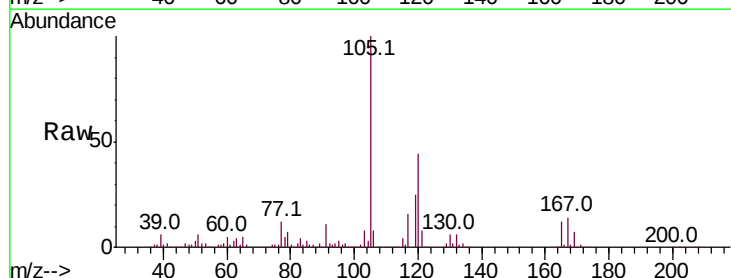
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

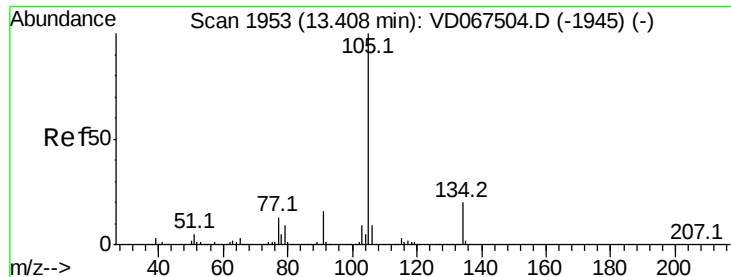
Tot Ion:119 Resp: 499878
Ion Ratio Lower Upper
119 100
91 65.8 32.7 98.1
134 25.3 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 56.613 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion:105 Resp: 572943
Ion Ratio Lower Upper
105 100
120 45.6 22.1 66.1





#85

sec-Butylbenzene

Concen: 57.015 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

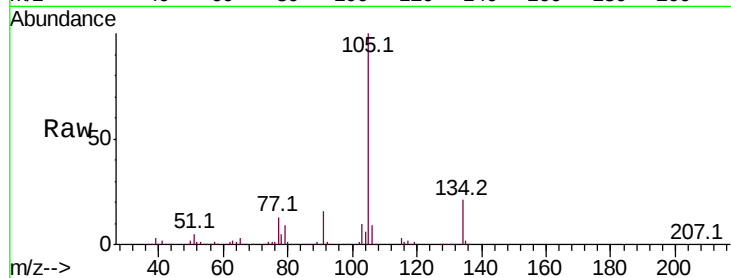
VSTDCCC050

Tot Ion:105 Resp: 663197

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

400000

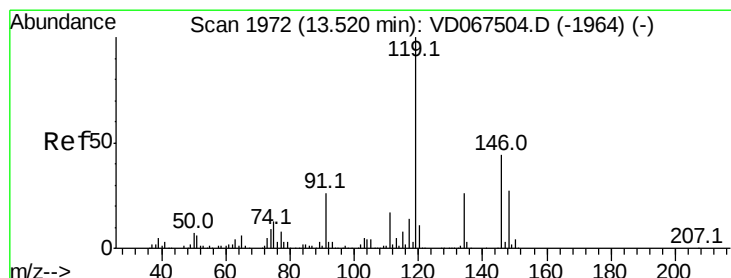
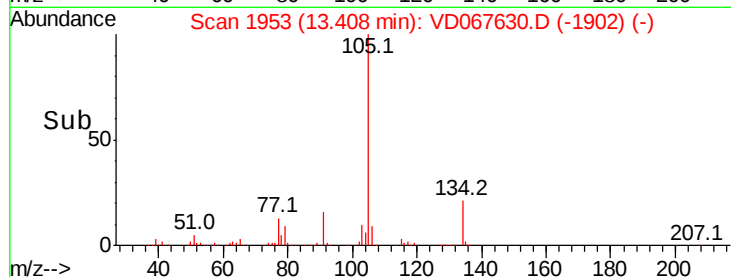
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 57.147 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

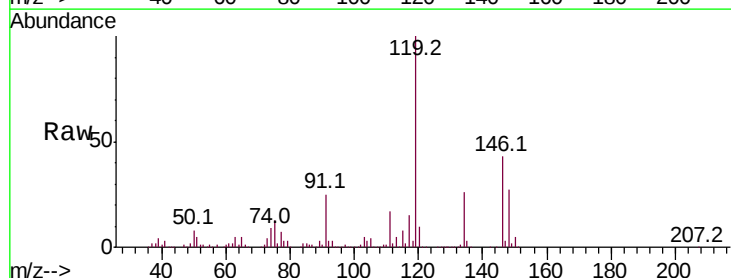
Tgt Ion:119 Resp: 641923

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 24.9 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

400000

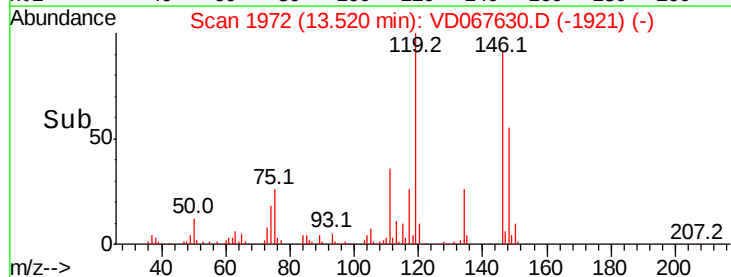
300000

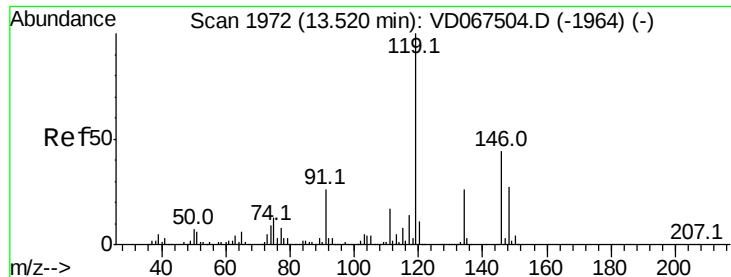
200000

100000

0

Time-->

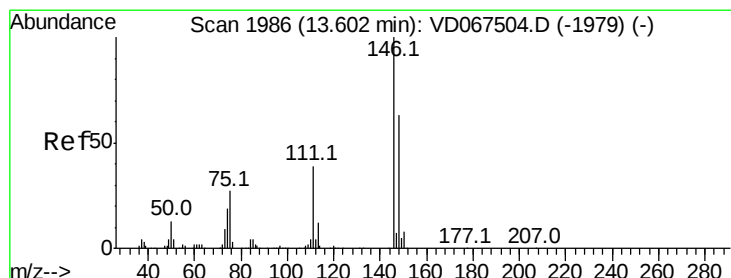
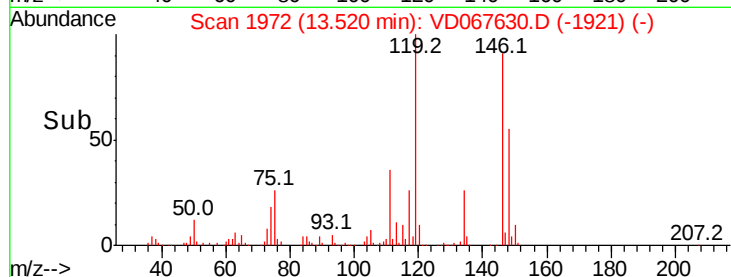
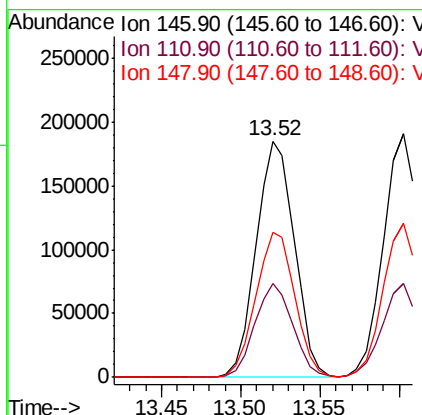
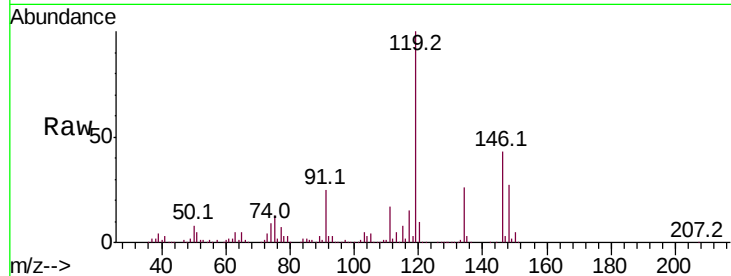




#87
 1,3-Dichlorobenzene
 Concen: 55.773 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

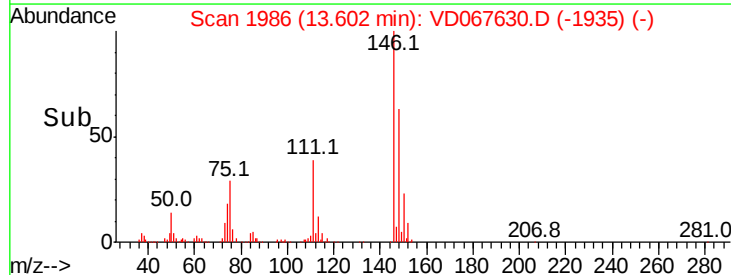
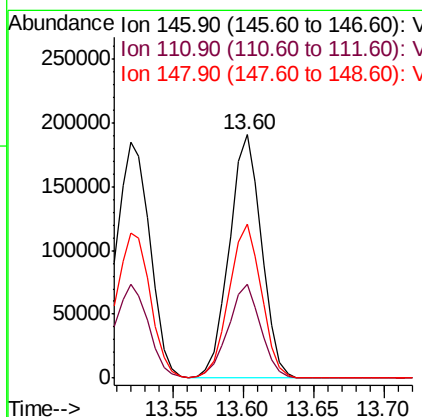
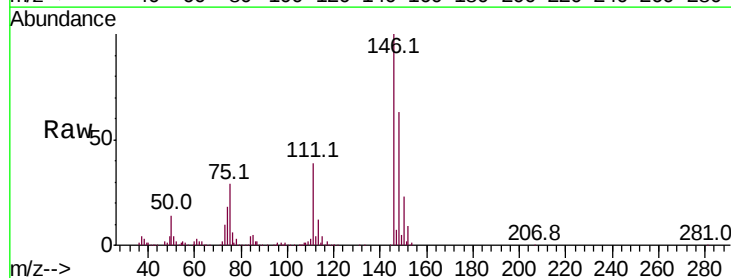
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

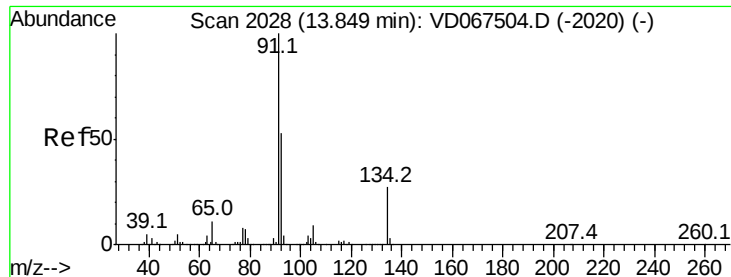
Tot Ion:146 Resp: 311064
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.3 60.8
 148 62.6 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 53.659 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Tgt Ion:146 Resp: 303035
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.6 58.7
 148 63.6 31.8 95.4

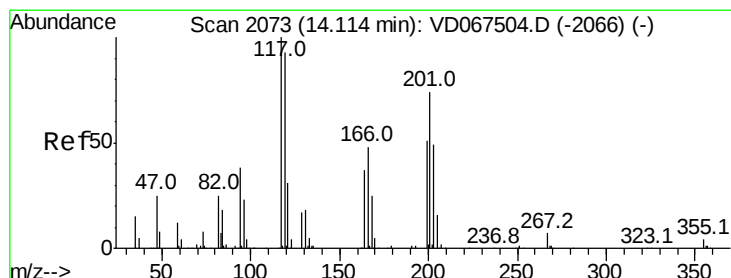
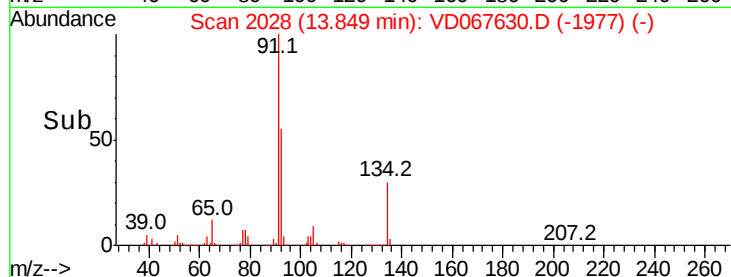
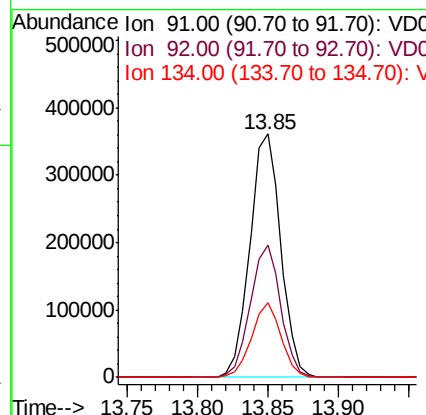
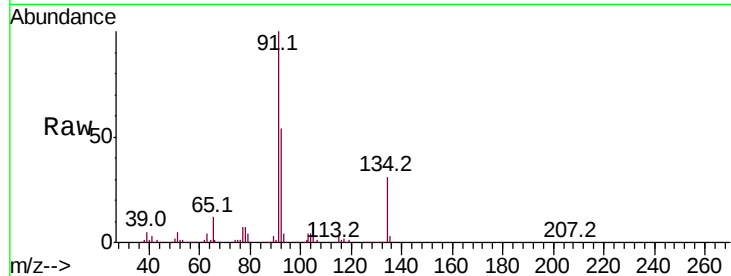




#89
n-Butylbenzene
Concen: 57.275 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

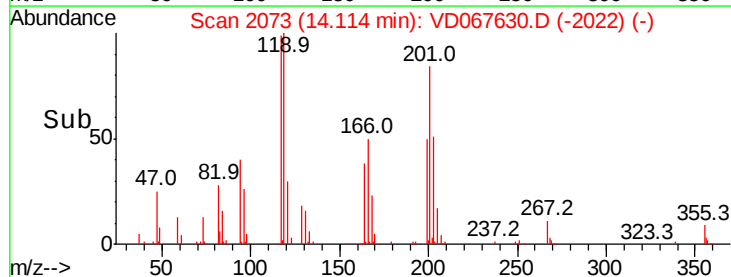
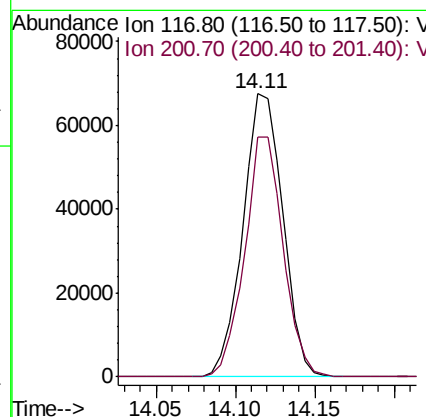
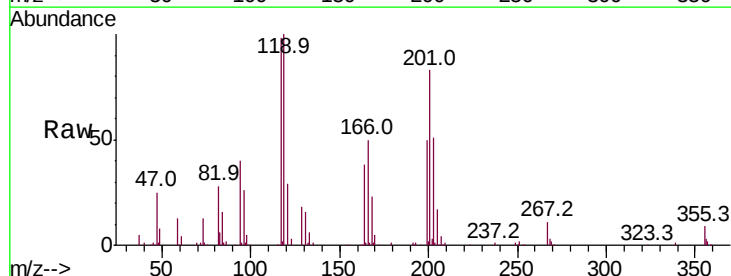
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

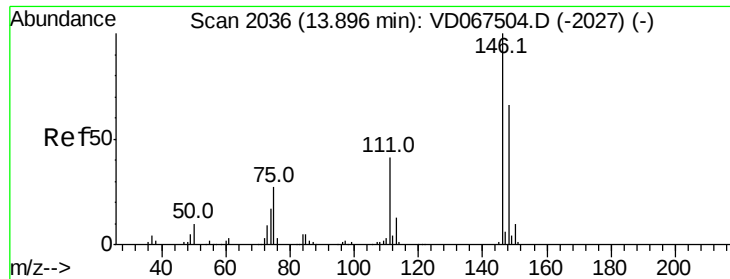
Tot Ion: 91 Resp: 555701
Ion Ratio Lower Upper
91 100
92 53.3 26.6 79.8
134 29.2 14.1 42.2



#90
Hexachloroethane
Concen: 55.862 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 117 Resp: 118166
Ion Ratio Lower Upper
117 100
201 81.8 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 54.937 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

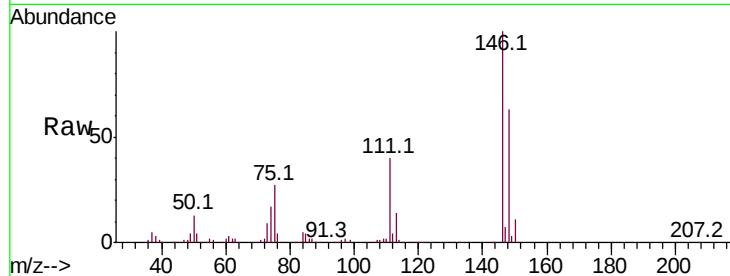
Tot Ion:146 Resp: 265183

Ion Ratio Lower Upper

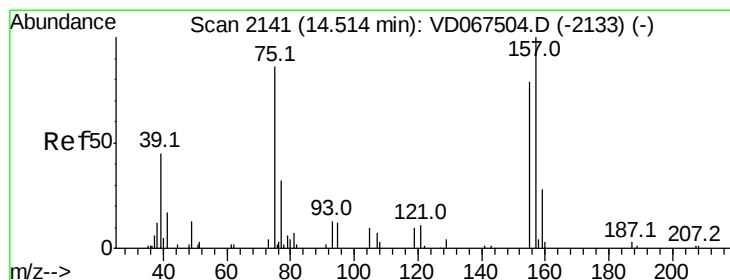
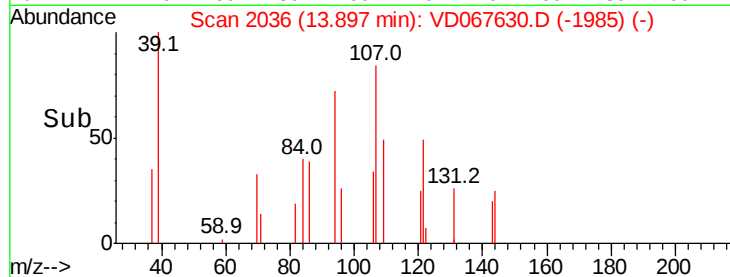
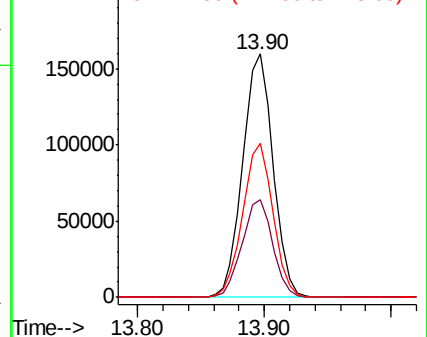
146 100

111 40.4 20.7 62.1

148 62.9 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.698 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

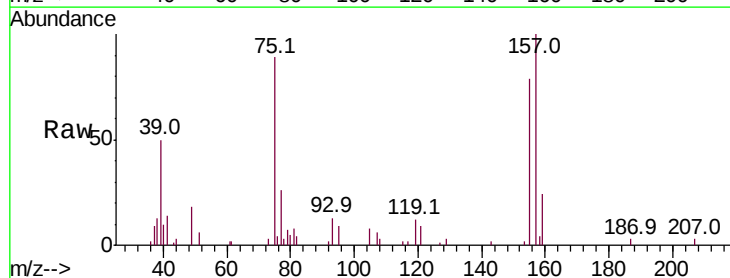
Tgt Ion: 75 Resp: 16292

Ion Ratio Lower Upper

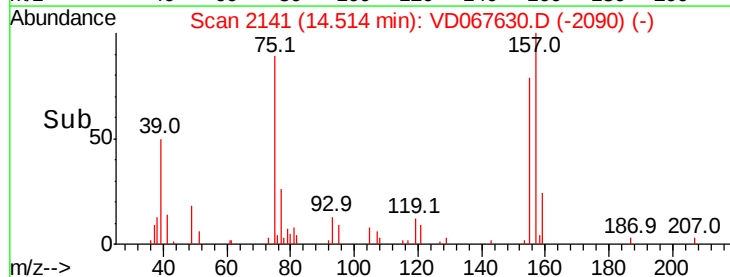
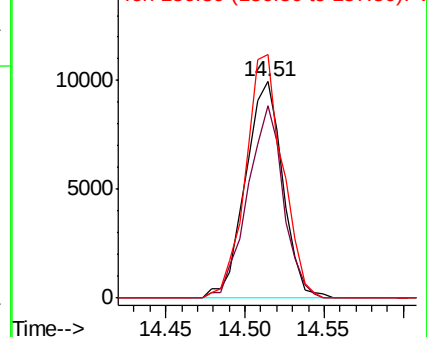
75 100

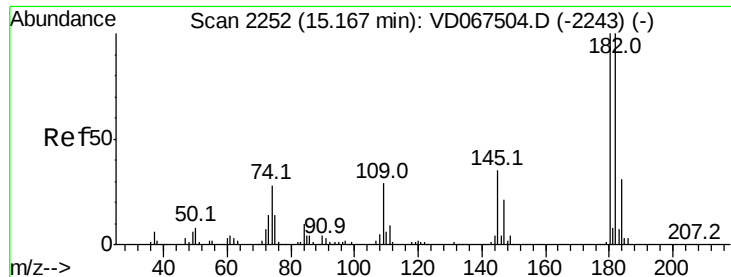
155 85.2 46.6 139.8

157 111.2 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

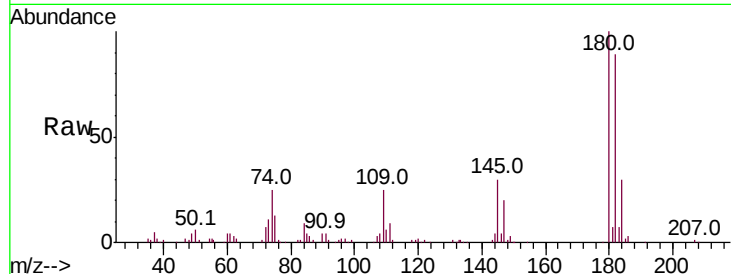




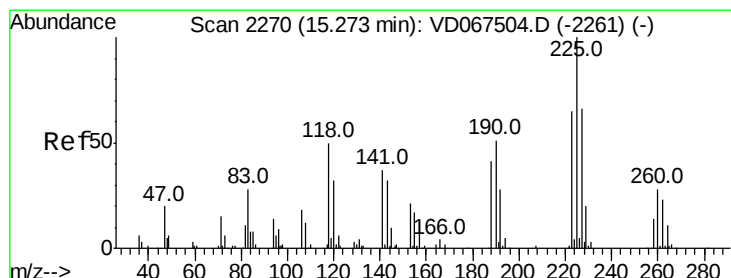
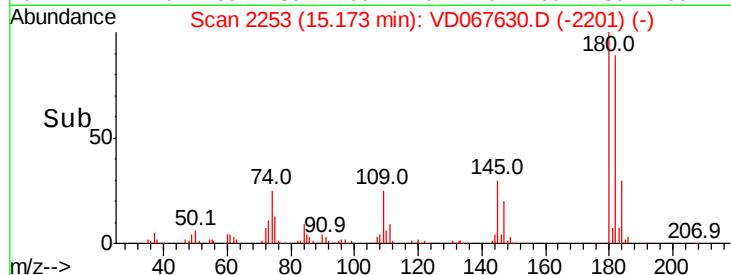
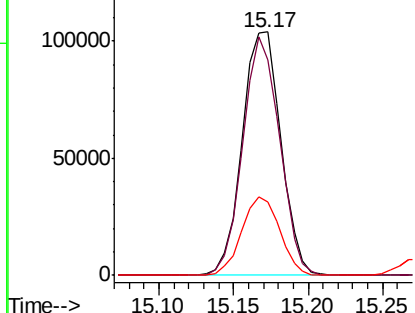
#93
 1,2,4-Trichlorobenzene
 Concen: 56.835 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.4	142.3
145	31.8	16.2	48.6

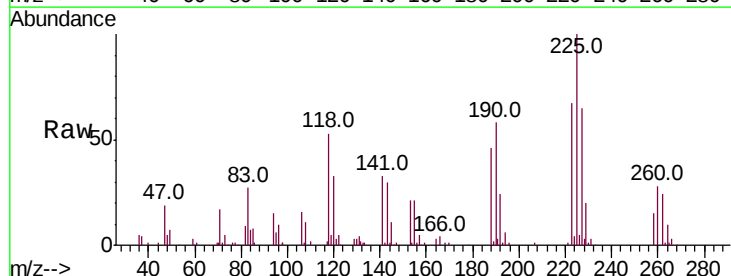


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

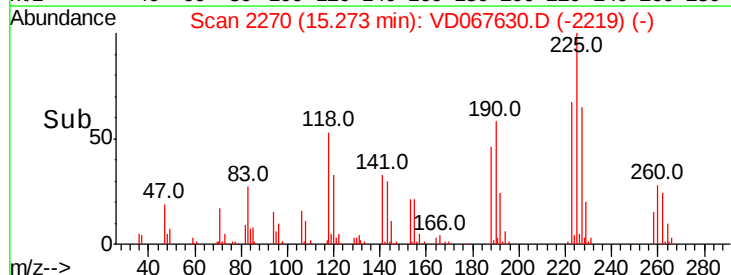
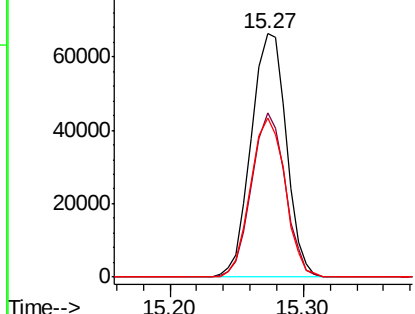


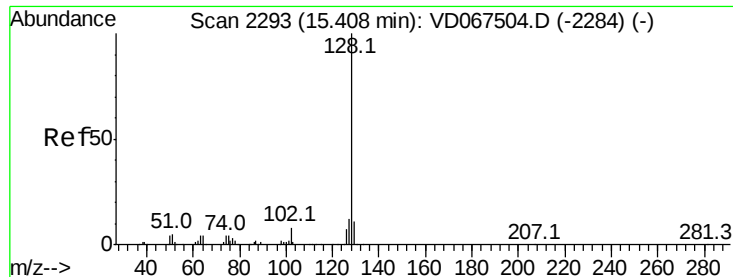
#94
 Hexachlorobutadiene
 Concen: 54.996 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.9	95.5
227	64.4	32.5	97.4



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

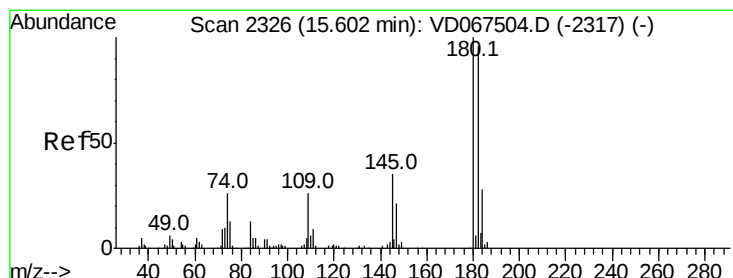
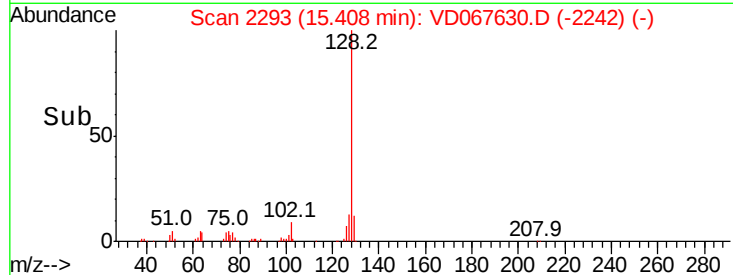
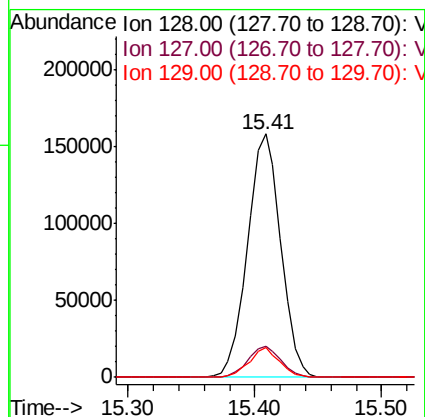
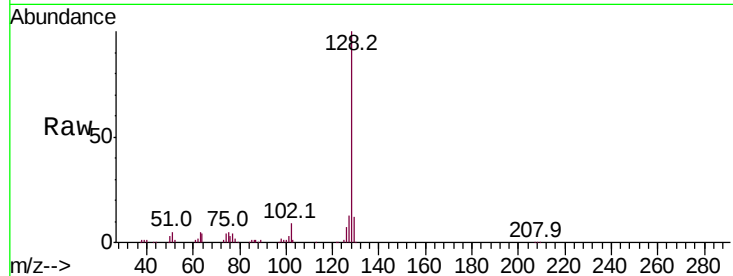




#95
Naphthalene
Concen: 57.059 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 288488
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.2 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 54.361 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion:180 Resp: 152511
Ion Ratio Lower Upper
180 100
182 97.0 46.9 140.8
145 34.1 17.1 51.2

