

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110920\
 Data File : VD067555.D
 Acq On : 09 Nov 2020 10:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 10 00:18:08 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	314769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	438996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	400307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	204226	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	124525	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	
35) Dibromofluoromethane	7.92	113	128190	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	10.34	98	440619	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
62) 4-Bromofluorobenzene	12.64	95	157801	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	130878	51.502	ug/l	97
3) Chloromethane	2.21	50	85503	43.621	ug/l	99
4) Vinyl Chloride	2.35	62	98090	44.885	ug/l	98
5) Bromomethane	2.77	94	79496	44.880	ug/l	89
6) Chloroethane	2.92	64	61244	45.456	ug/l	99
7) Trichlorofluoromethane	3.27	101	283748	50.146	ug/l	92
8) Diethyl Ether	3.71	74	54779	48.045	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	139581	48.869	ug/l	97
10) Methyl Iodide	4.30	142	144906	47.335	ug/l	99
11) Tert butyl alcohol	5.21	59	31166	263.887	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	126848	48.282	ug/l	97
13) Acrolein	3.93	56	38082	304.732	ug/l	97
14) Allyl chloride	4.71	41	127190	45.235	ug/l	93
15) Acrylonitrile	5.41	53	105578	250.500	ug/l	99
16) Acetone	4.15	43	123083	298.841	ug/l	98
17) Carbon Disulfide	4.41	76	374230	46.485	ug/l	99
18) Methyl Acetate	4.72	43	40955	48.120	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	264632	51.065	ug/l	96
20) Methylene Chloride	4.97	84	136839	47.034	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	145608	47.584	ug/l	97
22) Diisopropyl ether	6.36	45	266572	48.650	ug/l	97
23) Vinyl Acetate	6.30	43	734730	256.165	ug/l	100
24) 1,1-Dichloroethane	6.26	63	209963	46.839	ug/l	96
25) 2-Butanone	7.21	43	112526	255.688	ug/l	99
26) 2,2-Dichloropropane	7.21	77	237873	50.280	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	151699	47.762	ug/l	95
28) Bromochloromethane	7.54	49	75436	47.310	ug/l	93
29) Tetrahydrofuran	7.56	42	67356	255.507	ug/l	97
30) Chloroform	7.71	83	264753	49.507	ug/l	100
31) Cyclohexane	7.99	56	181148	45.379	ug/l #	81
32) 1,1,1-Trichloroethane	7.90	97	275823	49.988	ug/l	99
36) 1,1-Dichloropropene	8.11	75	197340	52.516	ug/l	99
37) Ethyl Acetate	7.29	43	51585	52.876	ug/l	97
38) Carbon Tetrachloride	8.10	117	267237	54.736	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	239585	54.171	ug/l	97
40) Benzene	8.35	78	522575	51.339	ug/l	98
41) Methacrylonitrile	7.55	41	72856	124.936	ug/l #	36
42) 1,2-Dichloroethane	8.43	62	165317	52.566	ug/l	100
43) Isopropyl Acetate	8.46	43	99733	51.691	ug/l	99
44) Trichloroethene	9.11	130	170574	50.965	ug/l	94
45) 1,2-Dichloropropane	9.39	63	110260	50.102	ug/l	94
46) Dibromomethane	9.48	93	71984	51.443	ug/l	97
47) Bromodichloromethane	9.66	83	197637	51.965	ug/l	95
48) Methyl methacrylate	9.46	41	55647	55.860	ug/l	99
49) 1,4-Dioxane	9.46	88	14631	1029.980	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	251233	272.269	ug/l	99
52) Toluene	10.41	92	362085	53.109	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	181656	55.768	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	197871	51.128	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	95826	51.758	ug/l	97
56) Ethyl methacrylate	10.66	69	104496	54.656	ug/l	97
57) 1,3-Dichloropropane	10.95	76	157054	52.715	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	235434	264.064	ug/l	98
59) 2-Hexanone	10.98	43	196826	305.072	ug/l	98
60) Dibromochloromethane	11.14	129	150567	54.976	ug/l	100
61) 1,2-Dibromoethane	11.25	107	95264	51.268	ug/l	99
64) Tetrachloroethene	10.88	164	154369	52.070	ug/l	96
65) Chlorobenzene	11.67	112	389595	50.525	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	158456	52.138	ug/l	99
67) Ethyl Benzene	11.75	91	707262	53.601	ug/l	99
68) m/p-Xylenes	11.86	106	542600	105.699	ug/l	99
69) o-Xylene	12.18	106	243571	53.143	ug/l	98
70) Styrene	12.20	104	423900	53.077	ug/l	99
71) Bromoform	12.37	173	82602	53.292	ug/l #	97
73) Isopropylbenzene	12.48	105	704595	53.383	ug/l	99
74) N-amyl acetate	12.29	43	90369	52.033	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	92955	51.647	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	132081	107.208	ug/l #	100
77) Bromobenzene	12.77	156	166785	51.454	ug/l	98
78) n-propylbenzene	12.83	91	803592	53.228	ug/l	100
79) 2-Chlorotoluene	12.91	91	456258	53.203	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	609077	54.020	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31079	51.216	ug/l	98
82) 4-Chlorotoluene	13.01	91	485809	52.819	ug/l	98
83) tert-Butylbenzene	13.23	119	532133	55.688	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	605076	53.913	ug/l	100
85) sec-Butylbenzene	13.40	105	706182	54.744	ug/l	100
86) p-Isopropyltoluene	13.52	119	676278	54.290	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	318681	51.524	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	316002	50.456	ug/l	99
89) n-Butylbenzene	13.84	91	590182	54.851	ug/l	100
90) Hexachloroethane	14.11	117	125355	53.437	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	275710	51.505	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17218	54.032	ug/l	96

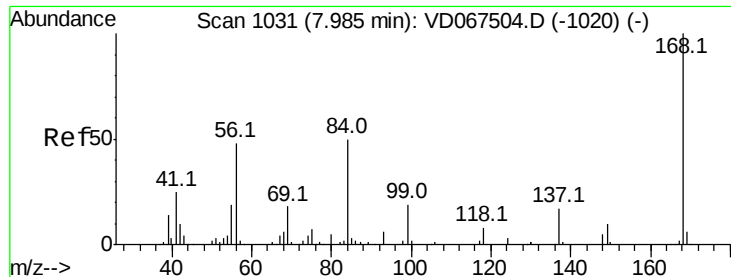
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	198577	54.656	ug/l	99
94) Hexachlorobutadiene	15.27	225	126704	52.107	ug/l	99
95) Naphthalene	15.40	128	318542	56.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	168731	54.233	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

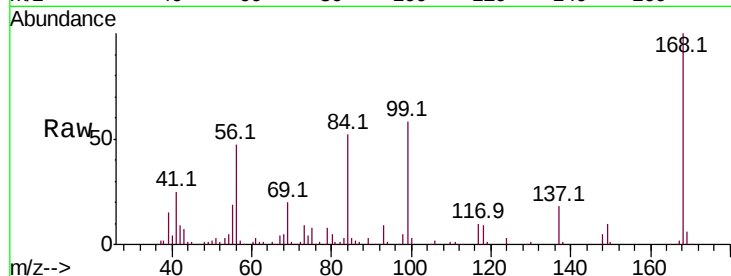
ClientSampleId :

Tot Ion:168 Resp: 314769

Ion Ratio Lower Upper

168 100

99 57.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

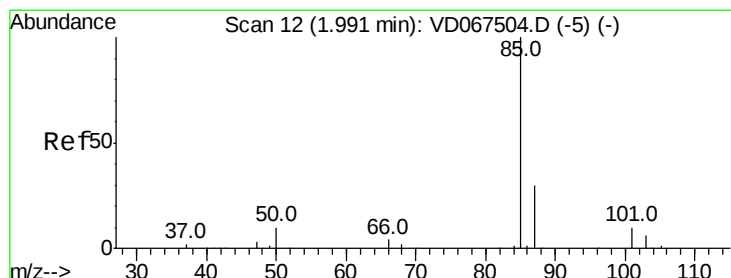
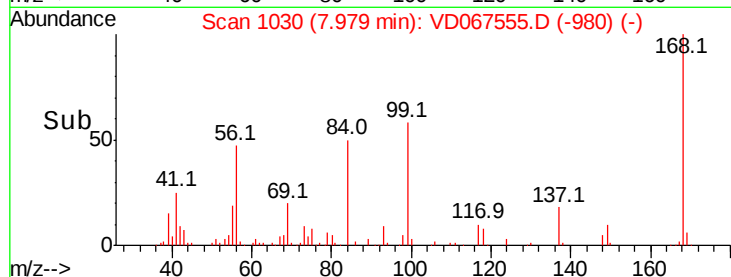
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.502 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067555.D

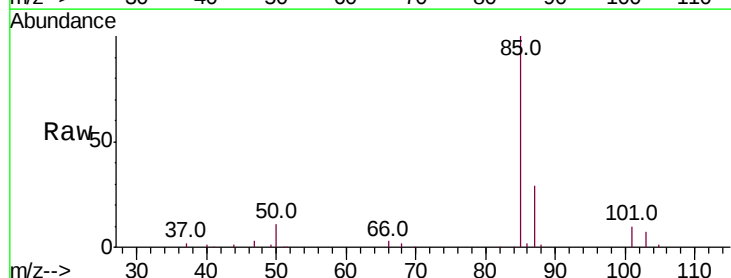
Acq: 09 Nov 2020 10:05

Tgt Ion: 85 Resp: 130878

Ion Ratio Lower Upper

85 100

87 29.1 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

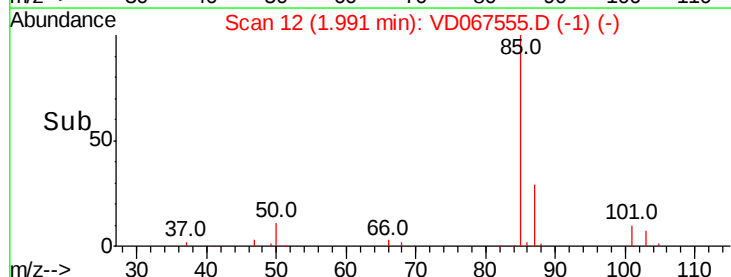
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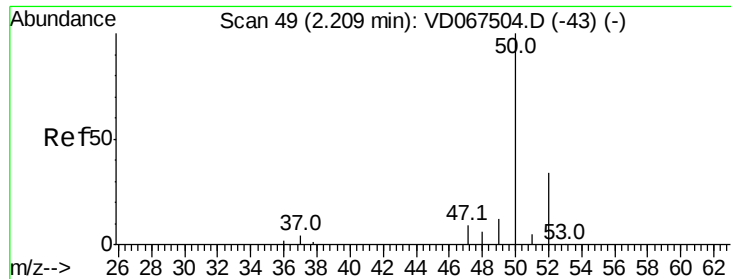
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 43.621 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

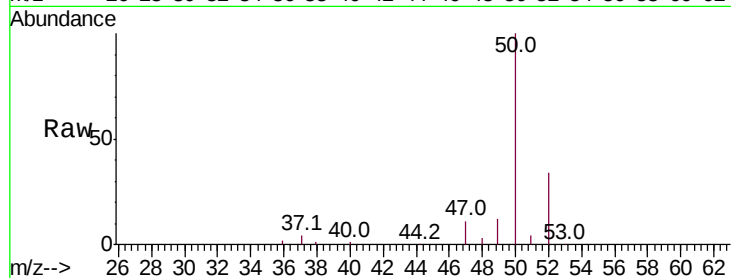
ClientSampleId :

Tot Ion: 50 Resp: 85503

Ion Ratio Lower Upper

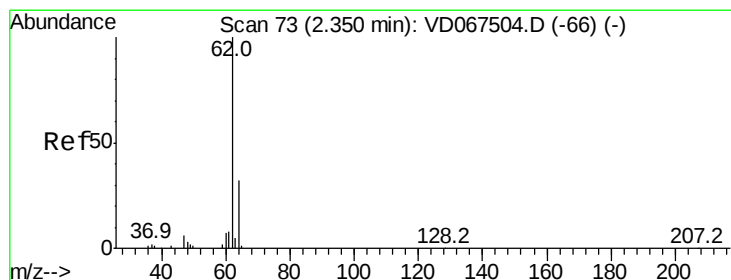
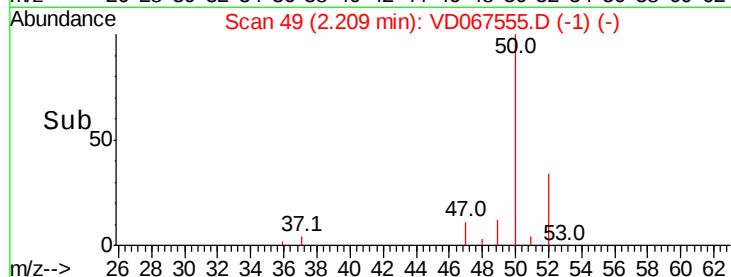
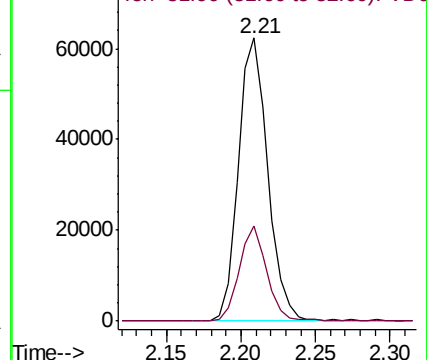
50 100

52 33.5 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: 44.885 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067555.D

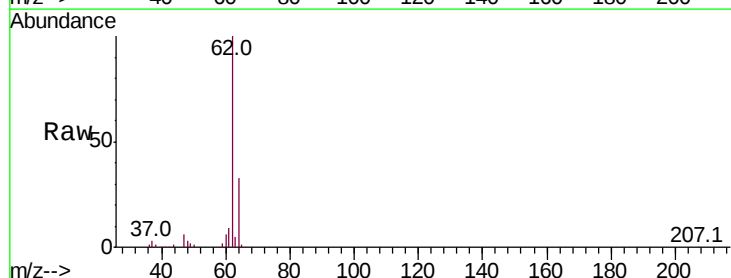
Acq: 09 Nov 2020 10:05

Tgt Ion: 62 Resp: 98090

Ion Ratio Lower Upper

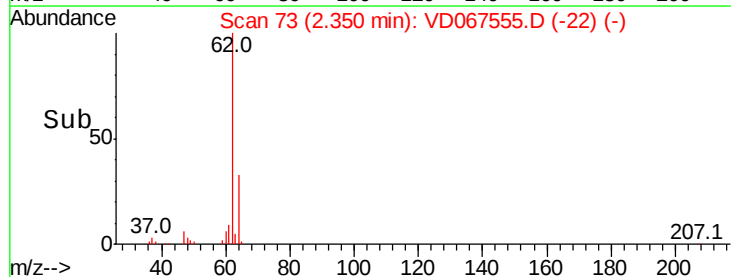
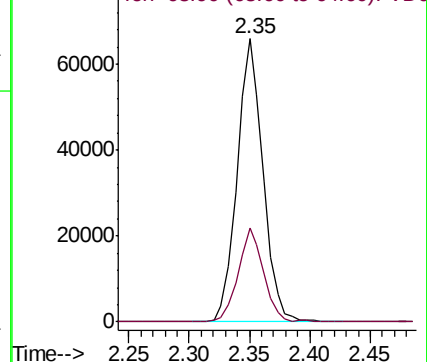
62 100

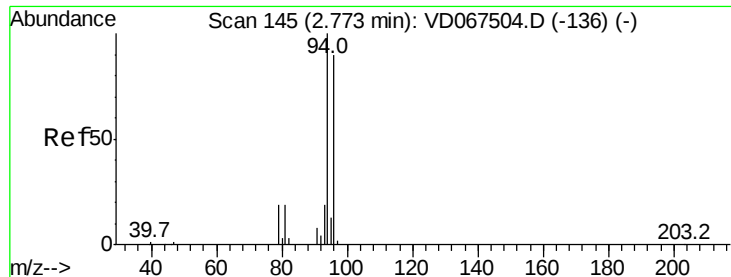
64 33.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 44.880 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

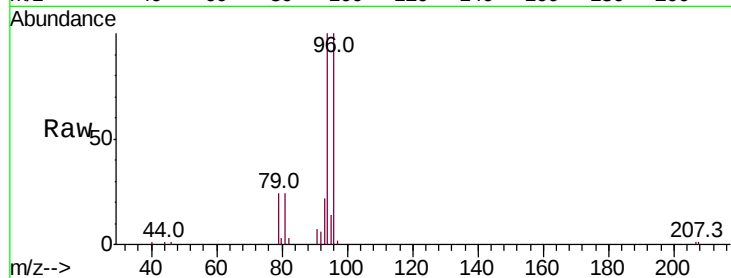
ClientSampleId :

Tot Ion: 94 Resp: 79496

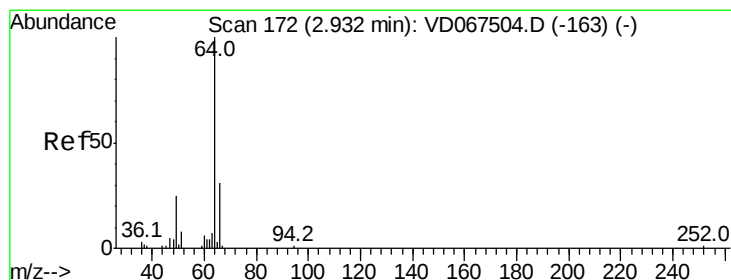
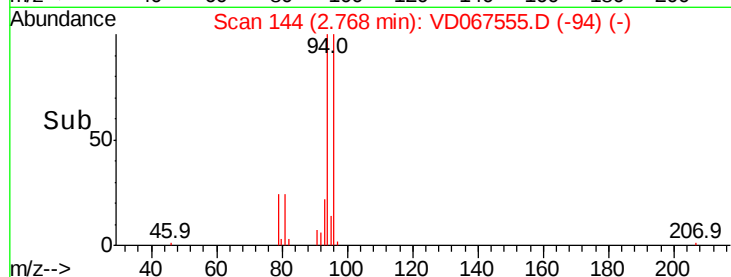
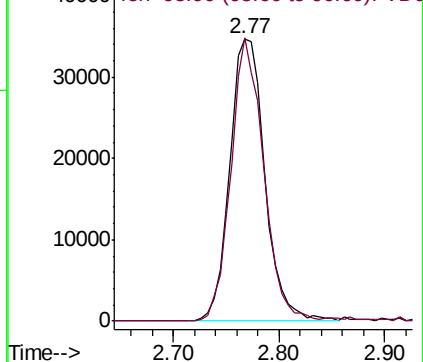
Ion Ratio Lower Upper

94 100

96 100.2 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: 45.456 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067555.D

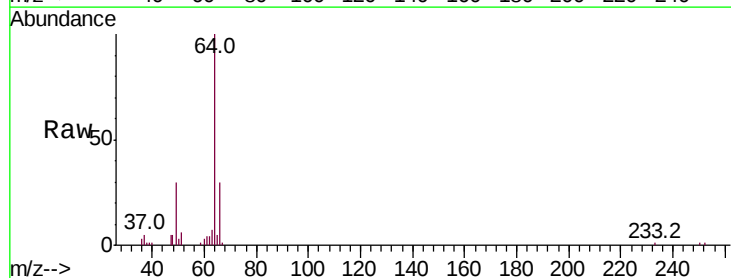
Acq: 09 Nov 2020 10:05

Tgt Ion: 64 Resp: 61244

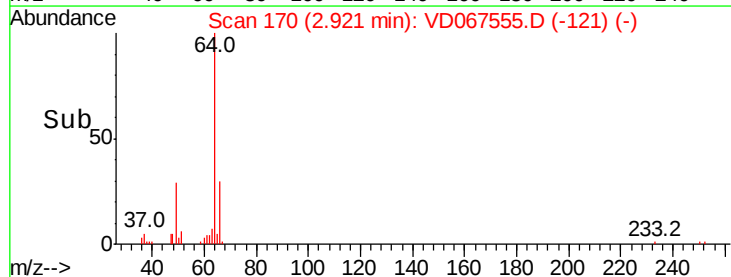
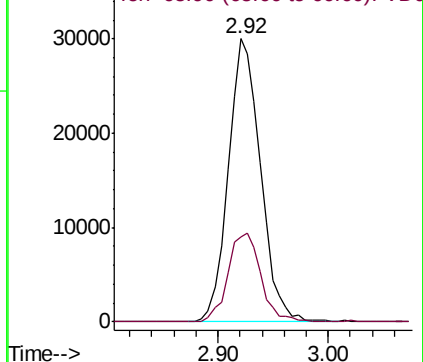
Ion Ratio Lower Upper

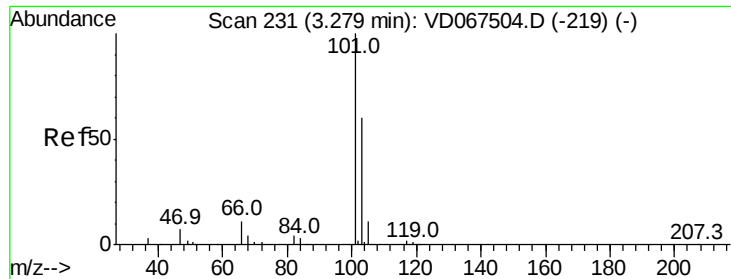
64 100

66 30.2 24.6 36.8



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



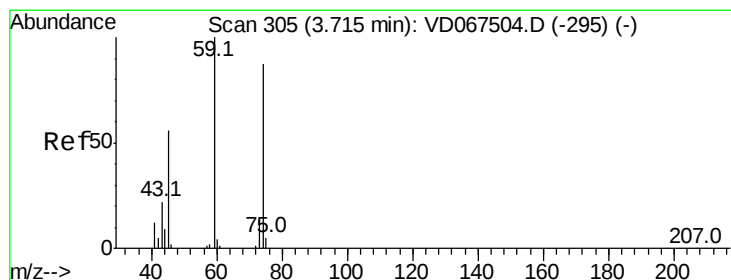
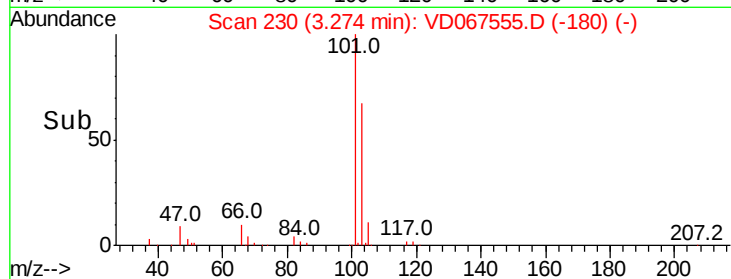
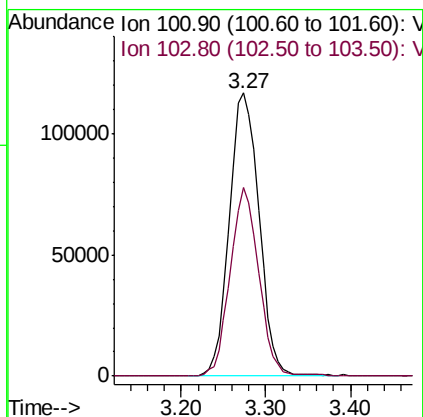
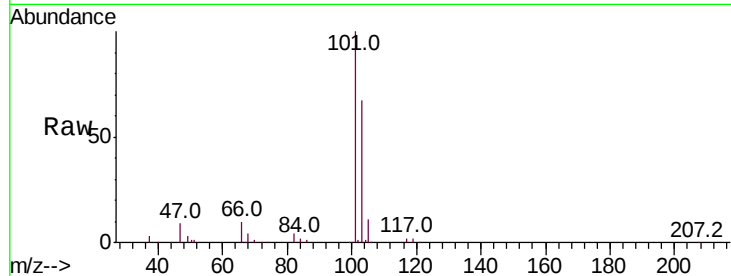


#7

Trichlorofluoromethane
Concen: 50.146 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :

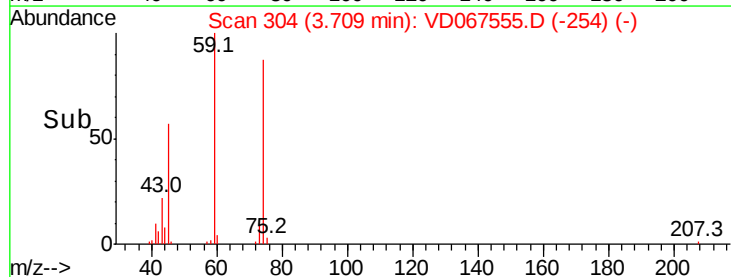
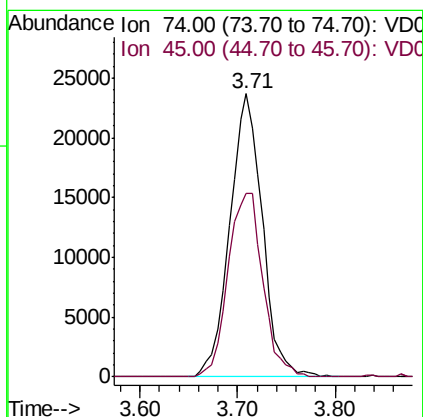
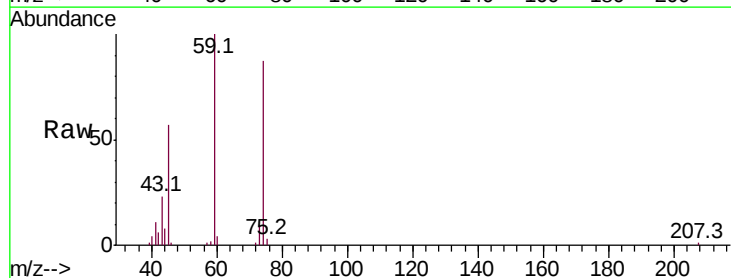
Tot Ion:101 Resp: 283748
Ion Ratio Lower Upper
101 100
103 66.5 48.1 72.1

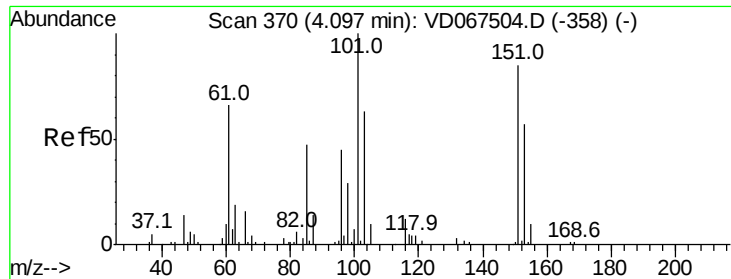


#8

Diethyl Ether
Concen: 48.045 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion: 74 Resp: 54779
Ion Ratio Lower Upper
74 100
45 69.6 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.869 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

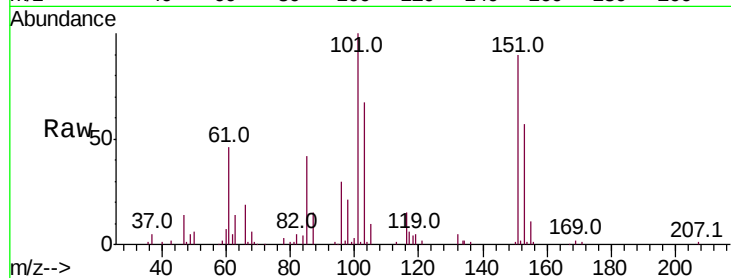
Tot Ion:101 Resp: 139581

Ion Ratio Lower Upper

101 100

85 44.9 34.4 51.6

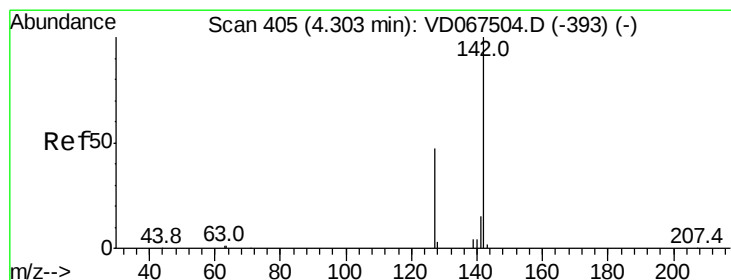
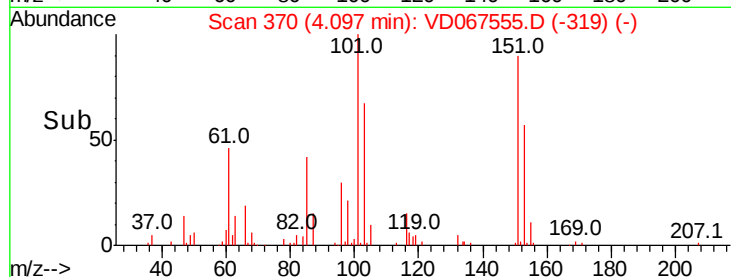
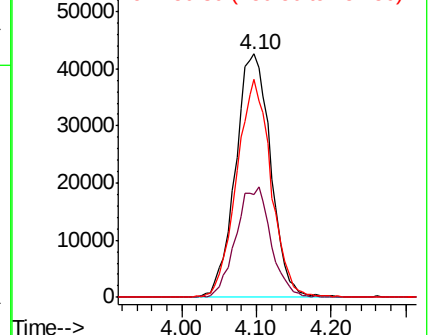
151 87.6 68.1 102.1



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: 47.335 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

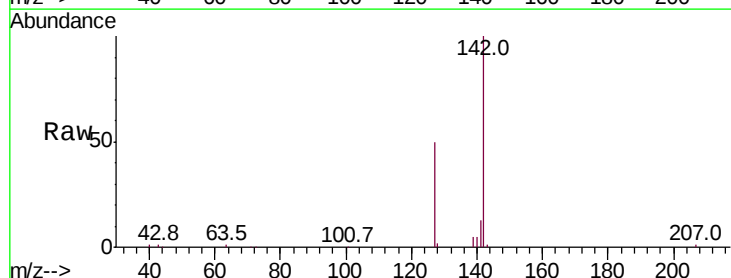
Tgt Ion:142 Resp: 144906

Ion Ratio Lower Upper

142 100

127 51.1 40.0 60.0

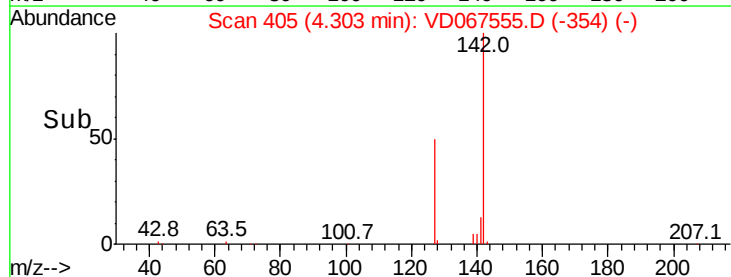
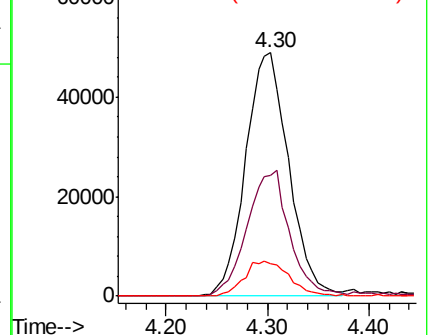
141 14.7 11.7 17.5

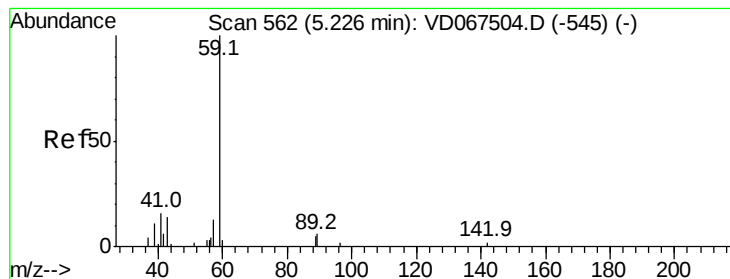


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



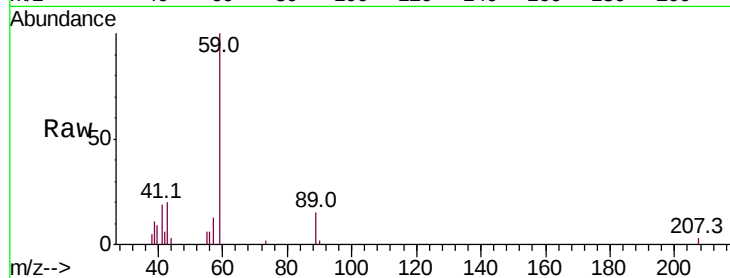


#11

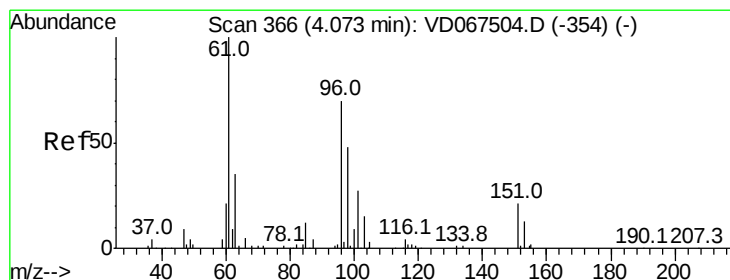
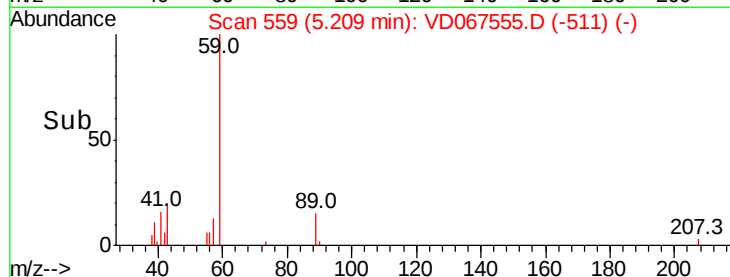
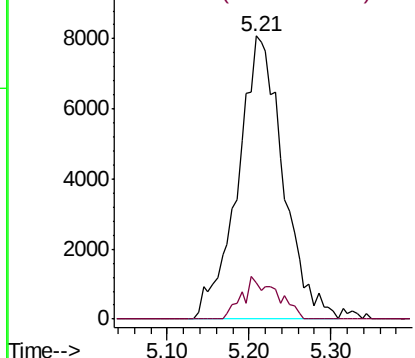
Tert butyl alcohol
 Concen: 263.887 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 31166
 Ion Ratio Lower Upper
 59 100
 57 11.5 5.9 8.9#



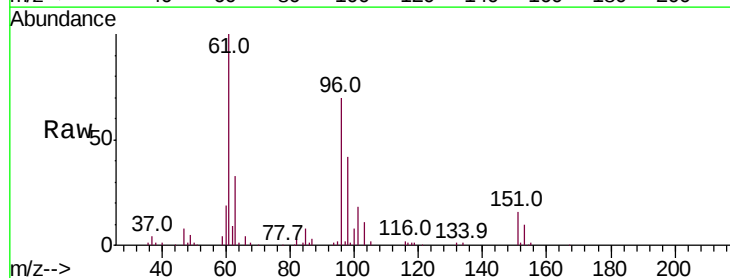
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



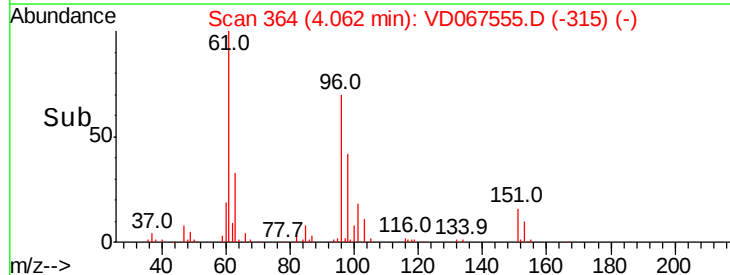
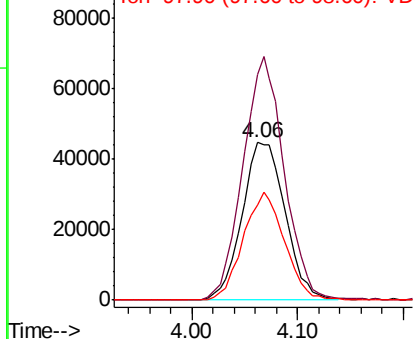
#12

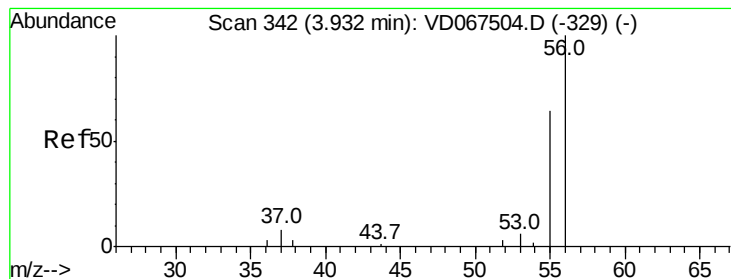
1,1-Dichloroethene
 Concen: 48.282 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion: 96 Resp: 126848
 Ion Ratio Lower Upper
 96 100
 61 143.2 114.5 171.7
 98 60.2 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: 304.732 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

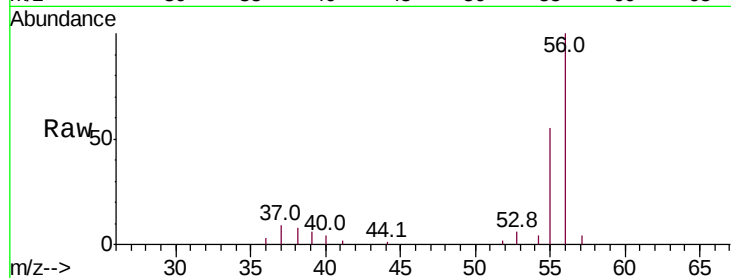
ClientSampleId :

Tot Ion: 56 Resp: 38082

Ion Ratio Lower Upper

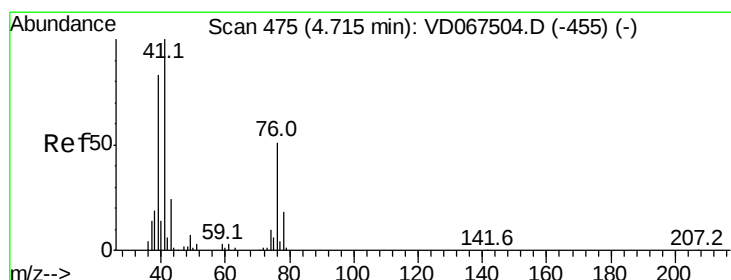
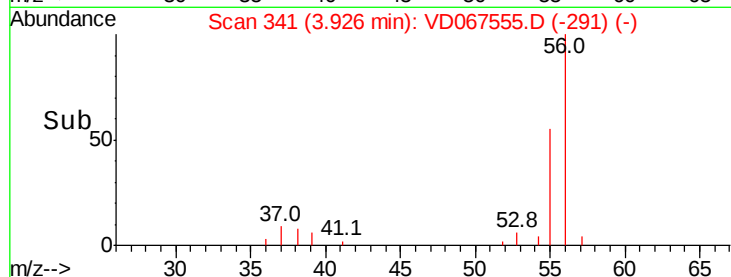
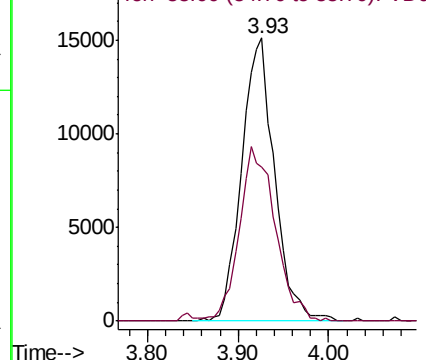
56 100

55 67.4 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 45.235 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

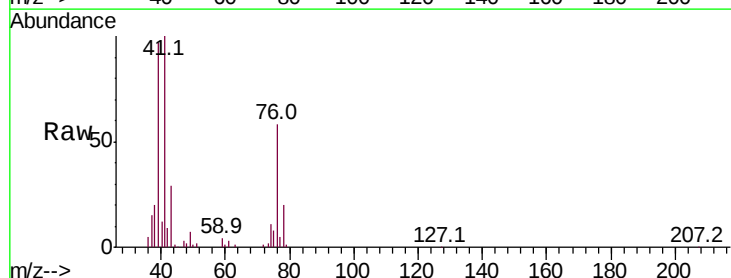
Tgt Ion: 41 Resp: 127190

Ion Ratio Lower Upper

41 100

39 91.9 67.4 101.0

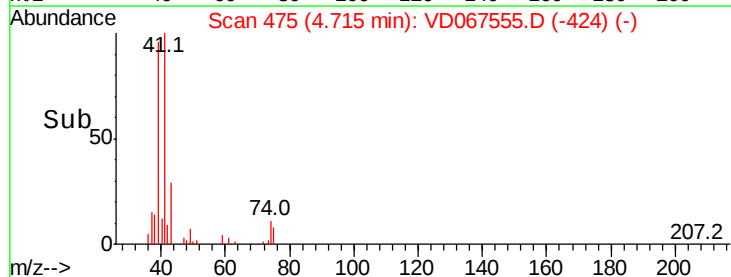
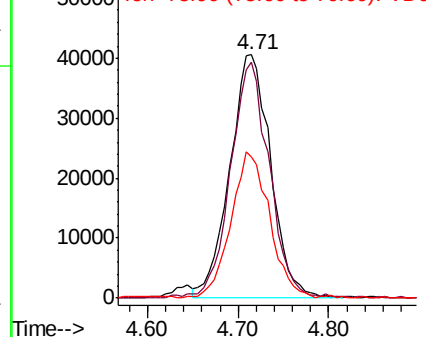
76 55.6 42.2 63.2



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





#15

Acrylonitrile

Concen: 250.500 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.02 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :

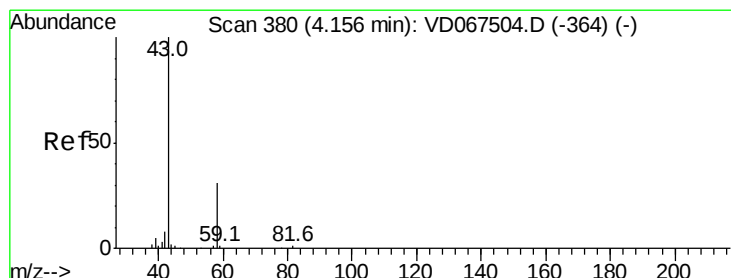
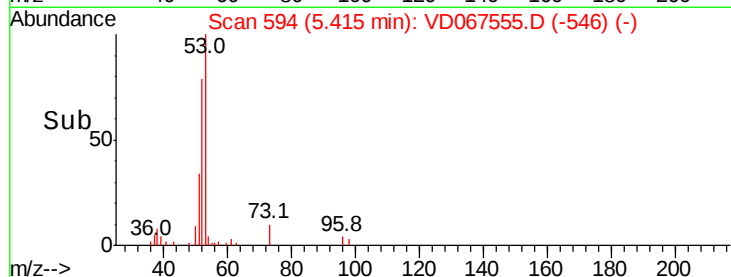
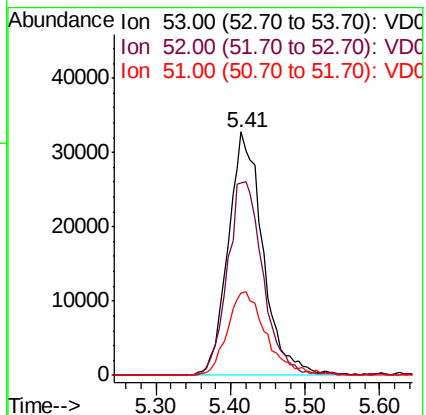
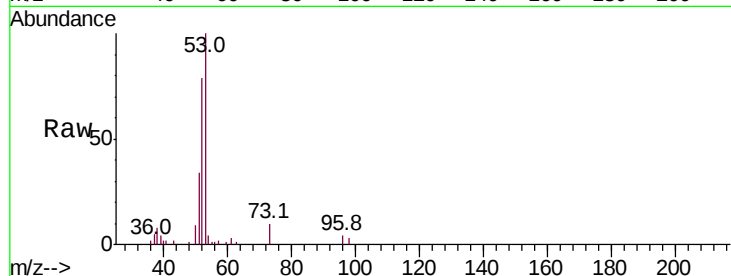
Tot Ion: 53 Resp: 105578

Ion Ratio Lower Upper

53 100

52 81.5 64.8 97.2

51 38.1 29.5 44.3



#16

Acetone

Concen: 298.841 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067555.D

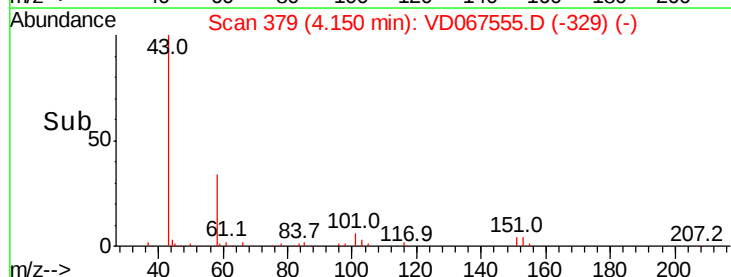
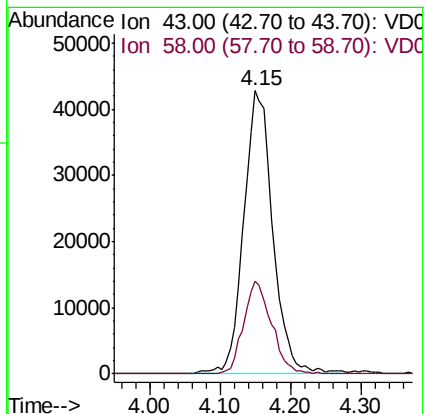
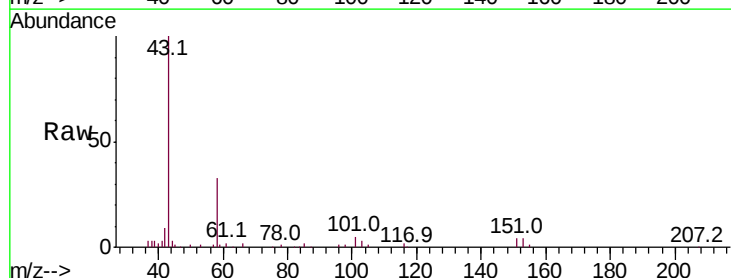
Acq: 09 Nov 2020 10:05

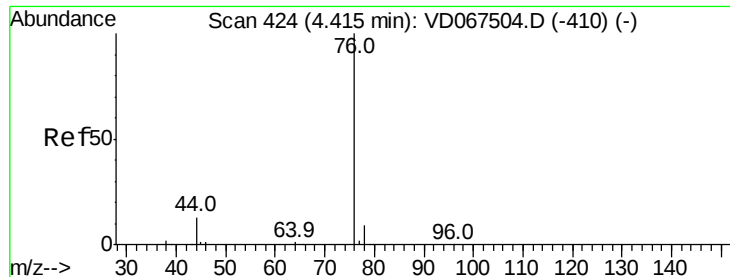
Tgt Ion: 43 Resp: 123083

Ion Ratio Lower Upper

43 100

58 32.6 25.2 37.8

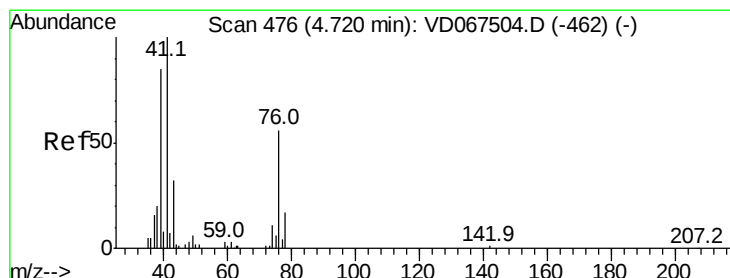
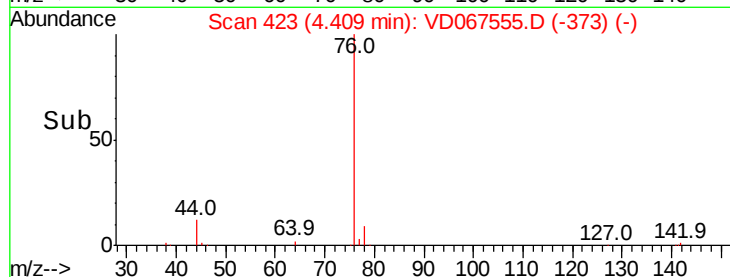
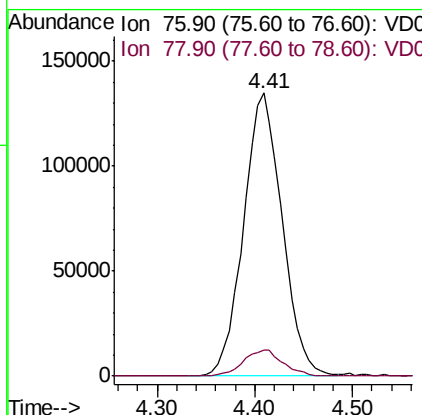
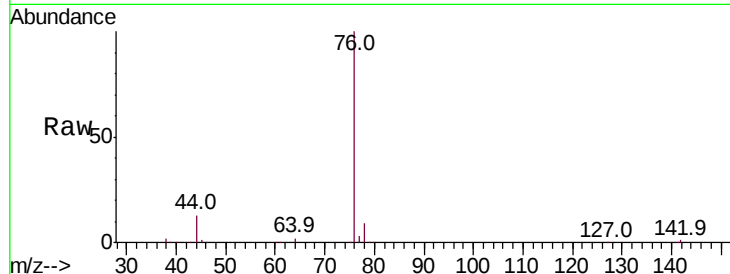




#17
Carbon Disulfide
Concen: 46.485 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

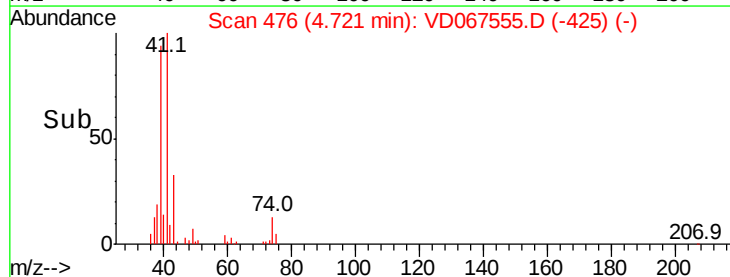
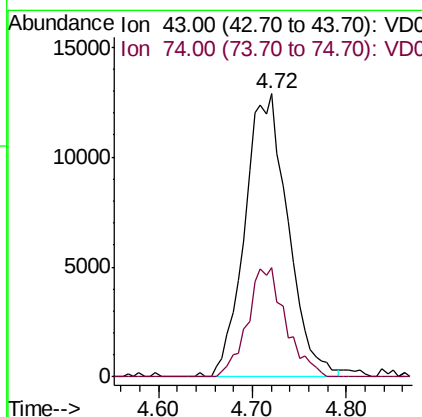
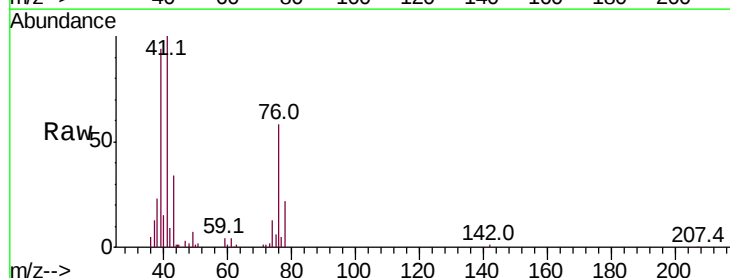
Instrument :
MSVOA_D
ClientSampleId :

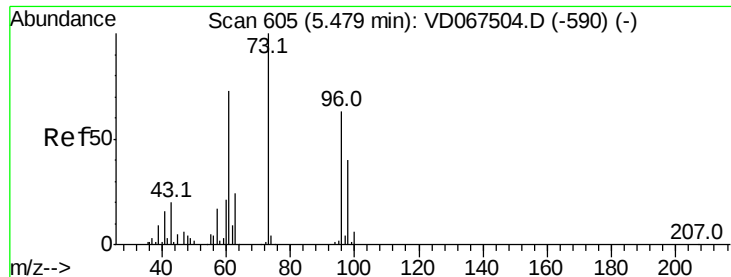
Tot Ion: 76 Resp: 374230
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 48.120 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion: 43 Resp: 40955
Ion Ratio Lower Upper
43 100
74 34.3 27.2 40.8



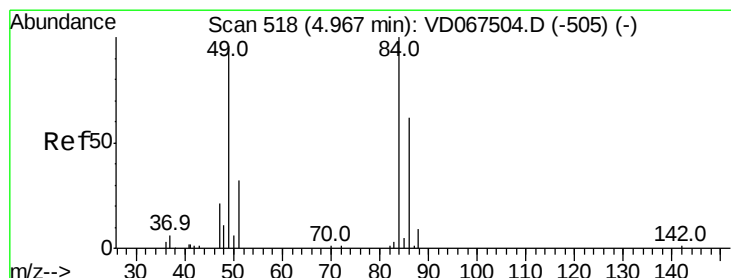
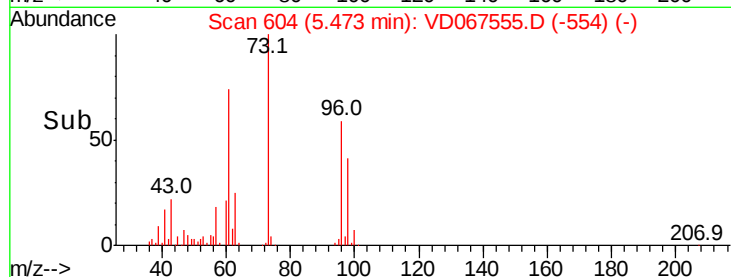
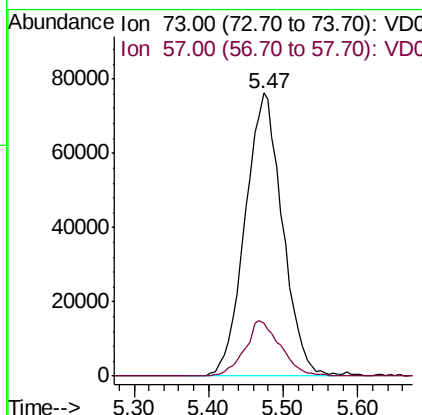
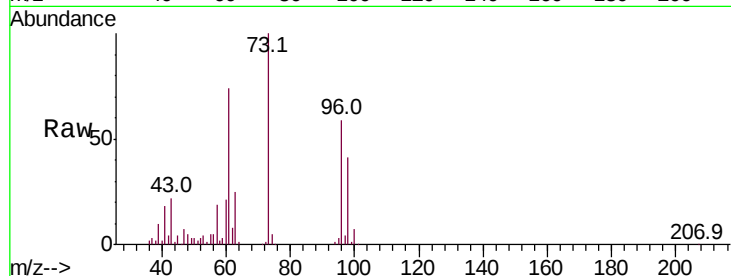


#19

Methyl tert-butyl Ether
 Concen: 51.065 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampled :

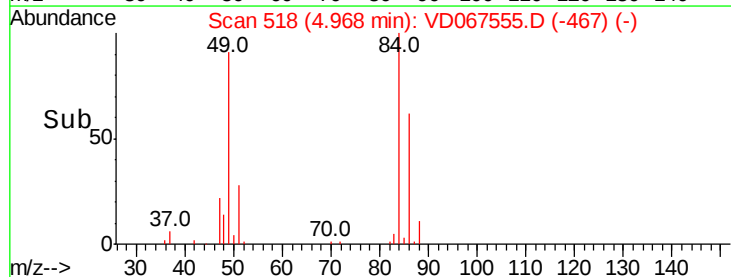
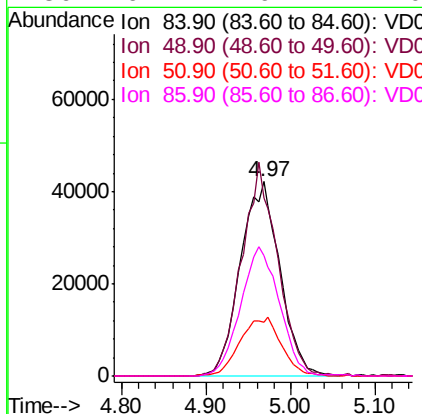
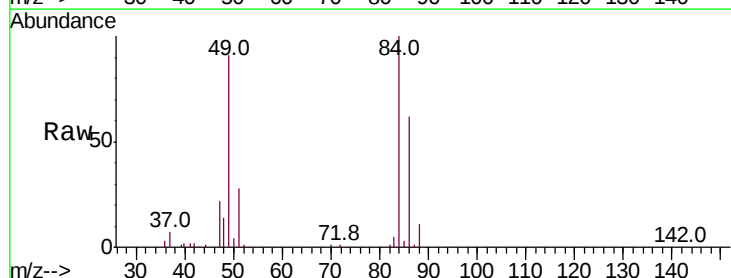
Tot Ion: 73 Resp: 264632
 Ion Ratio Lower Upper
 73 100
 57 18.5 13.4 20.0

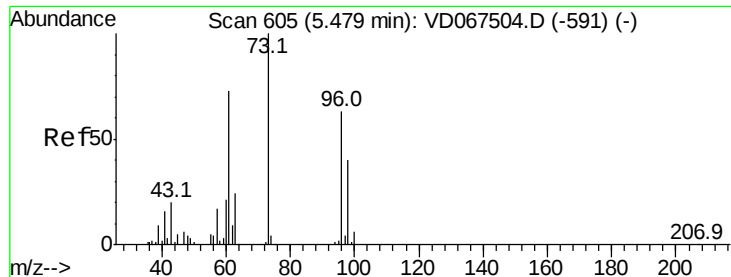


#20

Methylene Chloride
 Concen: 47.034 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion: 84 Resp: 136839
 Ion Ratio Lower Upper
 84 100
 49 91.5 77.0 115.4
 51 27.8 25.4 38.2
 86 62.1 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 47.584 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

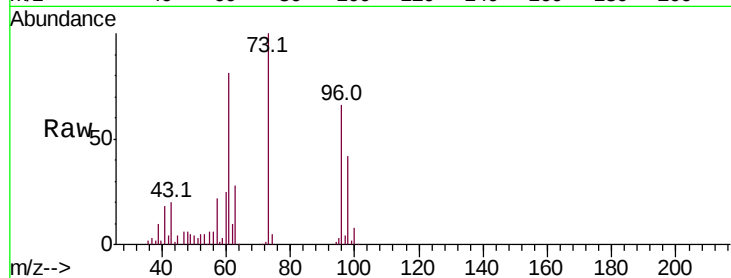
Tot Ion: 96 Resp: 145608

Ion Ratio Lower Upper

96 100

61 121.3 93.0 139.6

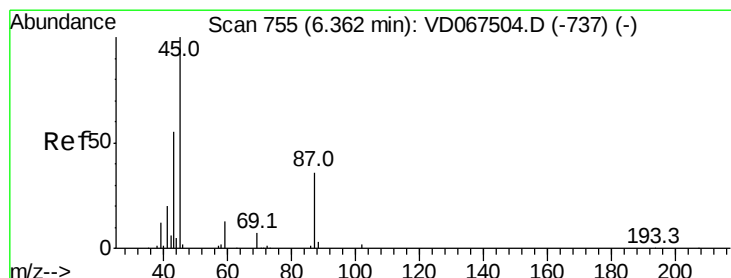
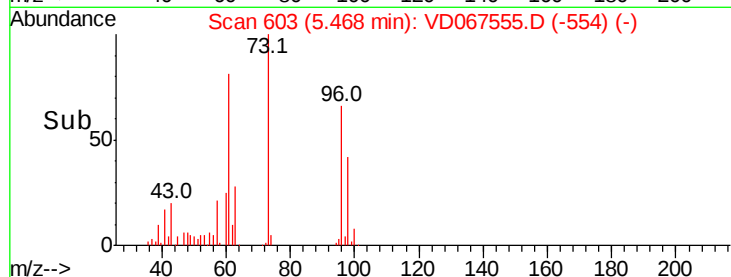
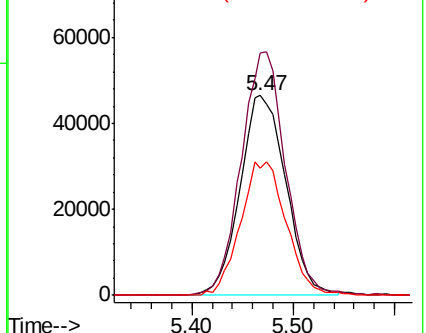
98 63.8 50.9 76.3



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: 48.650 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Tgt Ion: 45 Resp: 266572

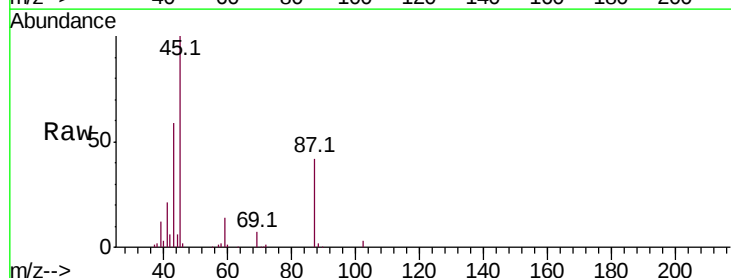
Ion Ratio Lower Upper

45 100

43 57.4 46.2 69.4

87 42.0 29.4 44.2

59 13.3 10.8 16.2

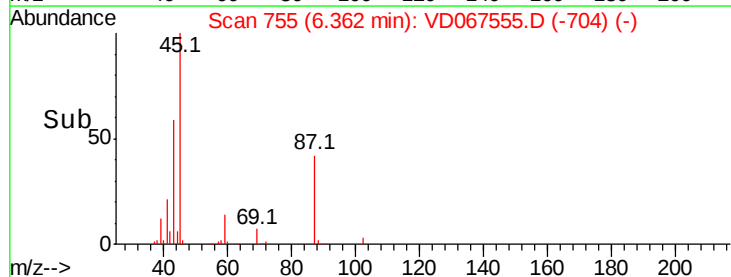
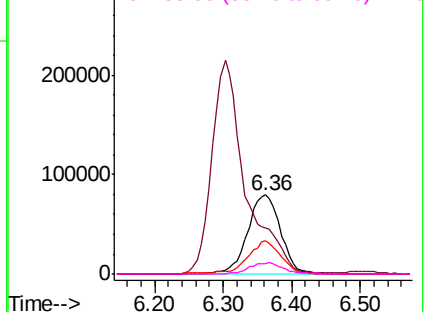


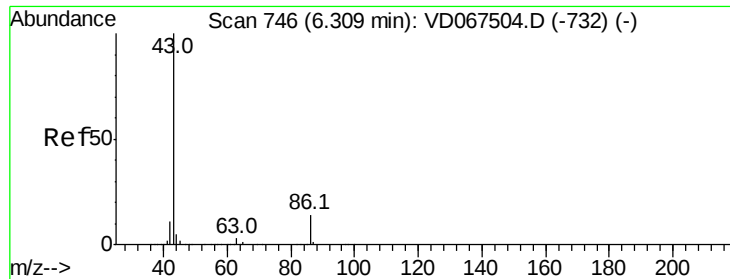
Abundance Ion 45.00 (44.70 to 45.70): VDC

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

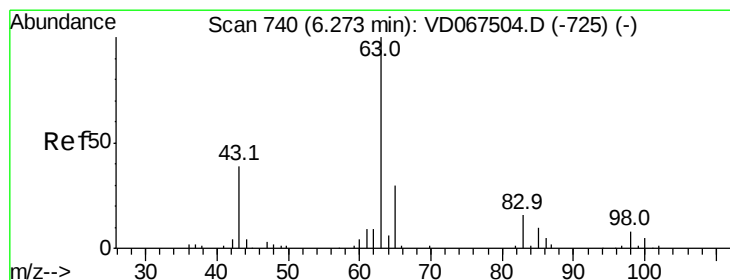
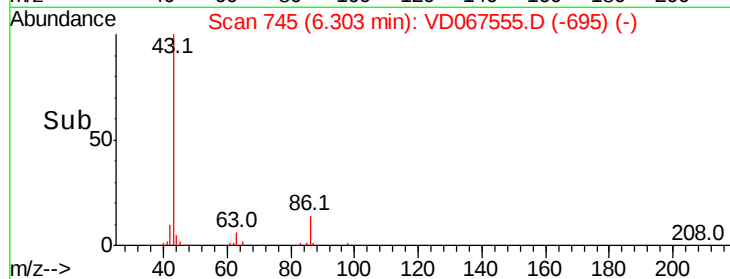
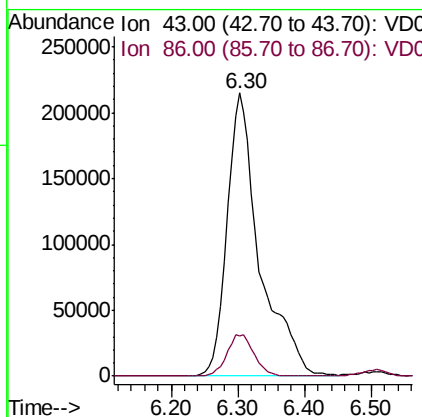
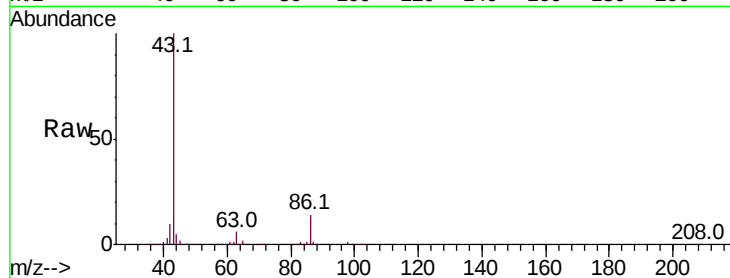




#23
 Vinyl Acetate
 Concen: 256.165 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

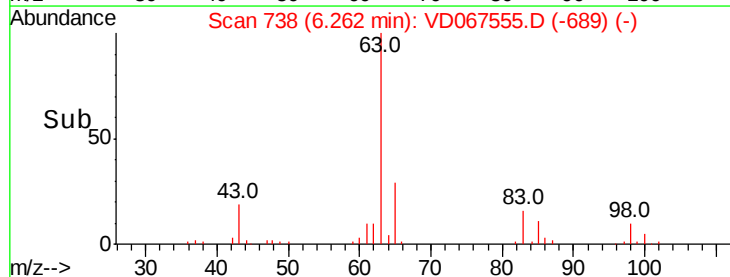
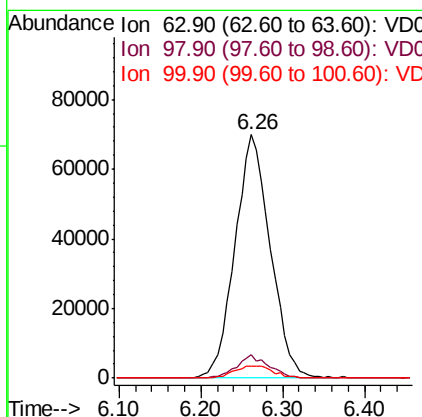
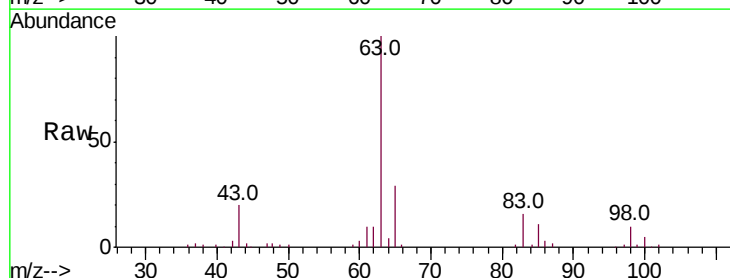
Instrument :
 MSVOA_D
 ClientSampleId :

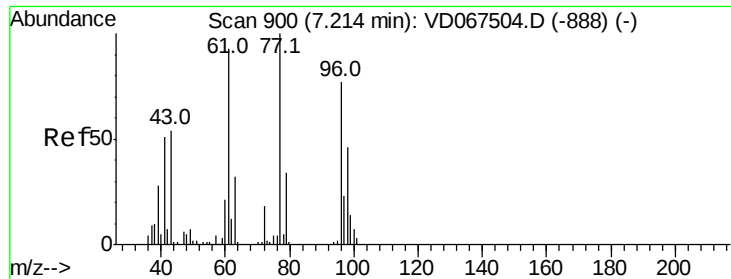
Tot Ion: 43 Resp: 734730
 Ion Ratio Lower Upper
 43 100
 86 14.3 11.6 17.4



#24
 1,1-Dichloroethane
 Concen: 46.839 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion: 63 Resp: 209963
 Ion Ratio Lower Upper
 63 100
 98 9.6 3.9 11.5
 100 4.6 2.6 7.8





#25

2-Butanone

Concen: 255.688 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

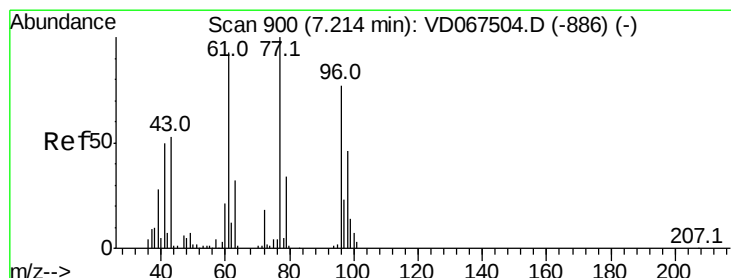
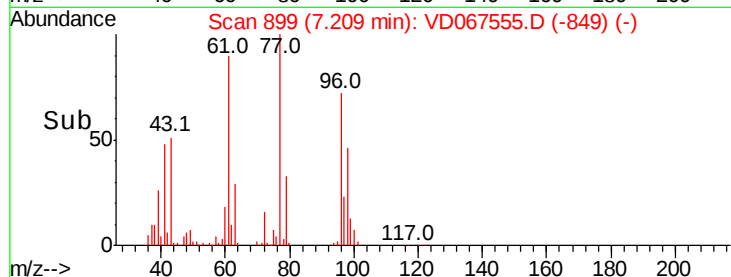
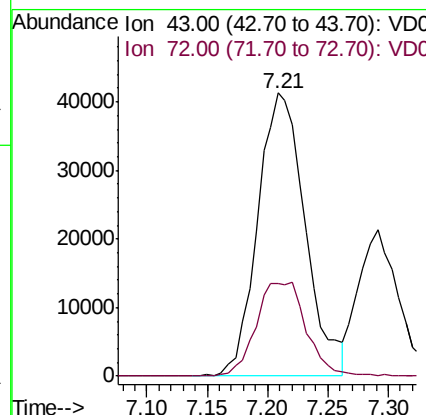
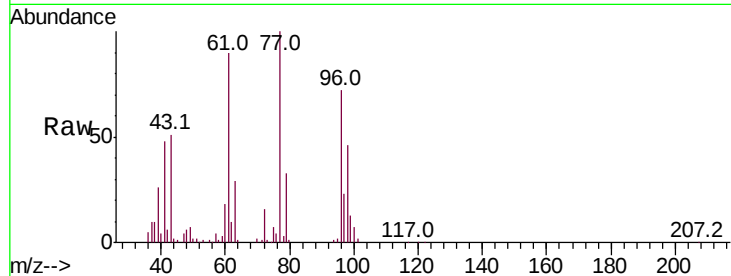
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 112526

Ion Ratio Lower Upper

43 100

72 32.6 26.4 39.6



#26

2,2-Dichloropropane

Concen: 50.280 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067555.D

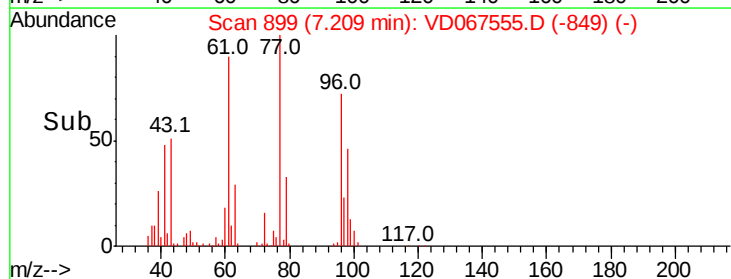
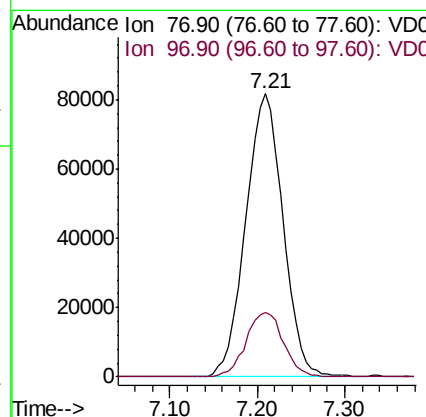
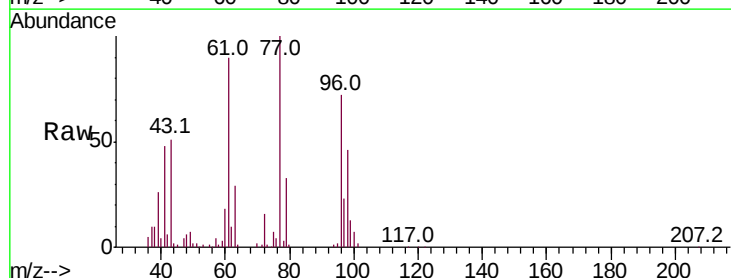
Acq: 09 Nov 2020 10:05

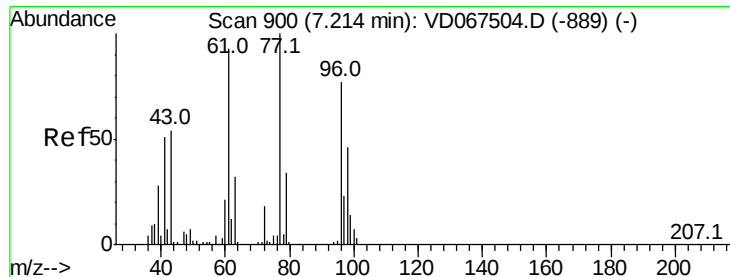
Tgt Ion: 77 Resp: 237873

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.3



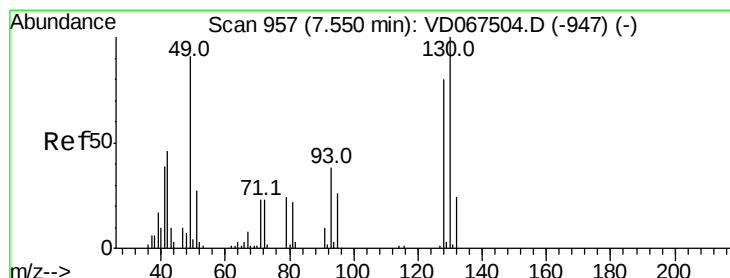
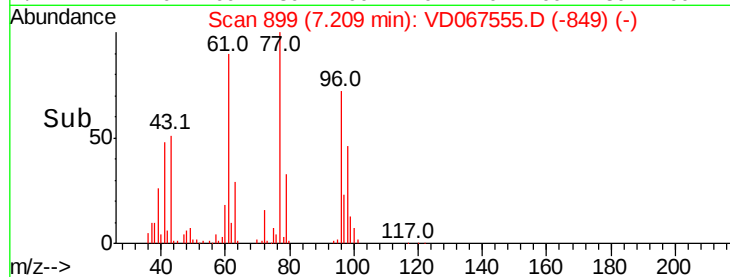
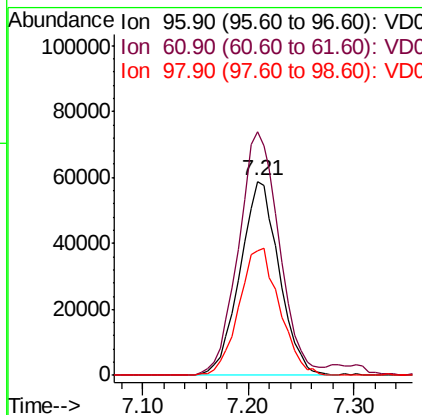
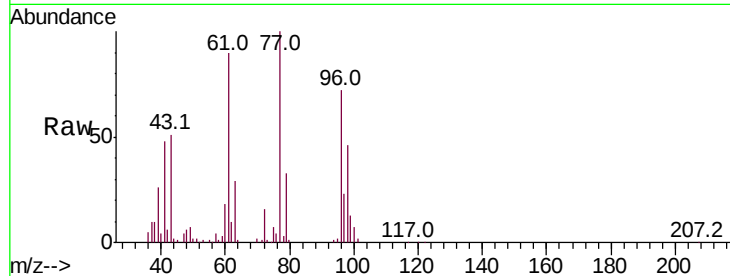


#27

cis-1,2-Dichloroethene
Concen: 47.762 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampled :

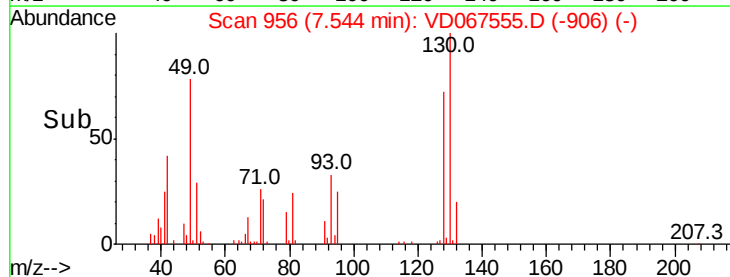
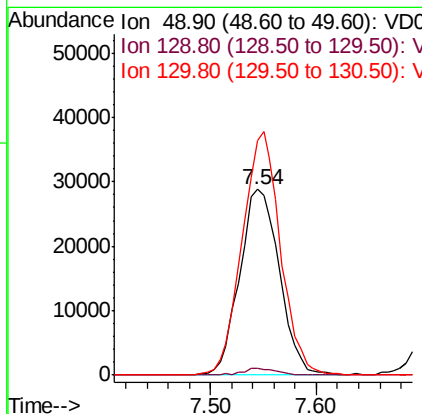
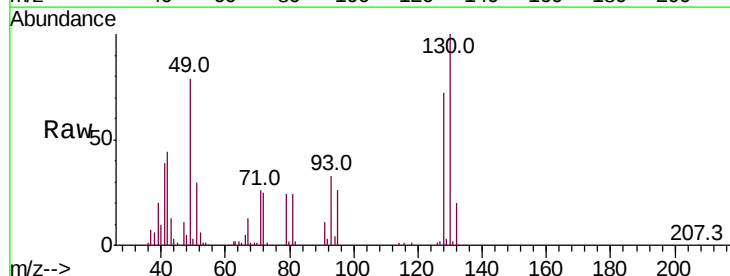
Tot Ion	96	Resp	151699
Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	251.6
98	67.7	0.0	128.0

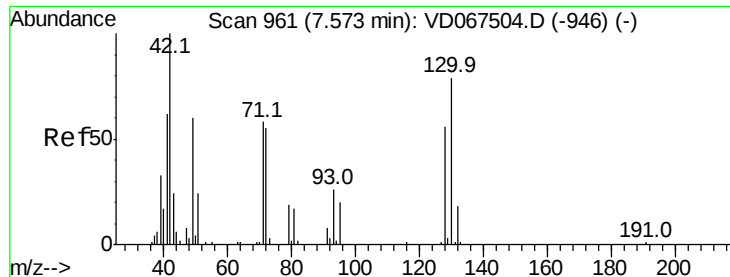


#28

Bromochloromethane
Concen: 47.310 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	49	Resp	75436
Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	6.4
130	125.9	94.6	142.0

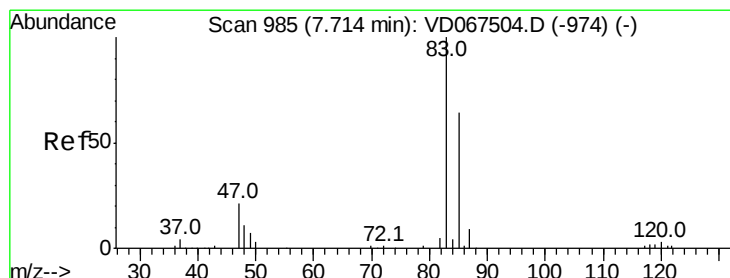
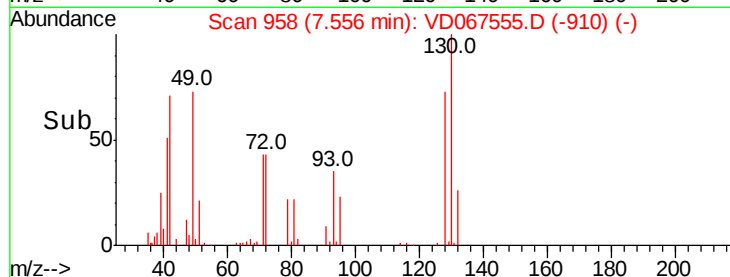
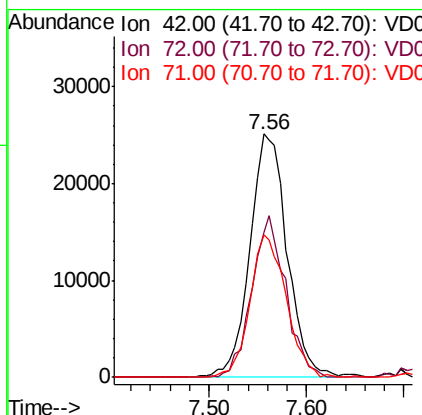
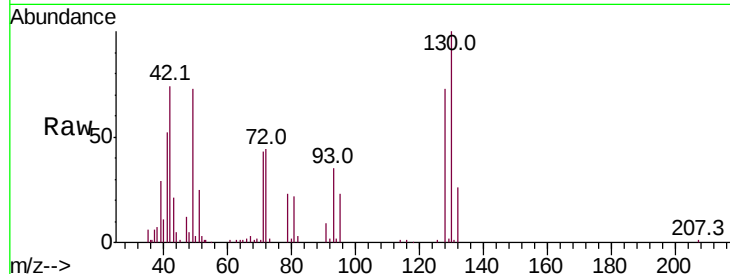




#29
Tetrahydrofuran
Concen: 255.507 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.02 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

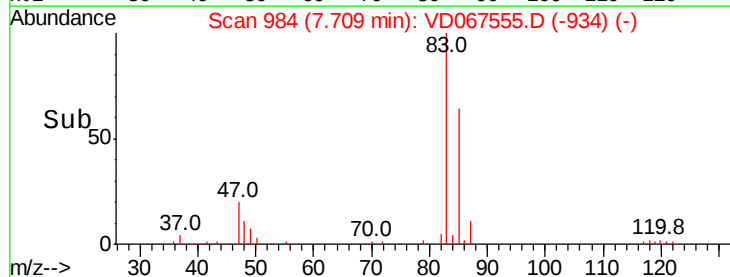
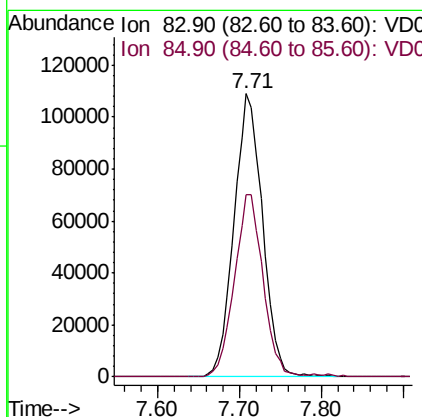
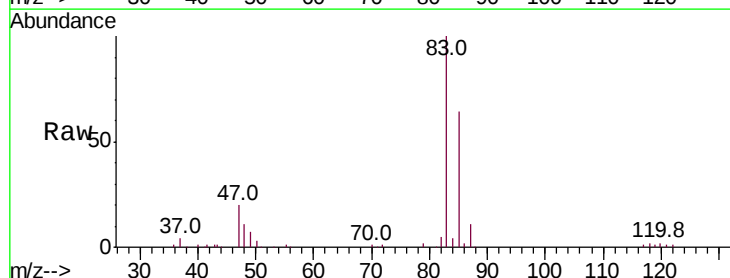
Instrument :
MSVOA_D
ClientSampleId :

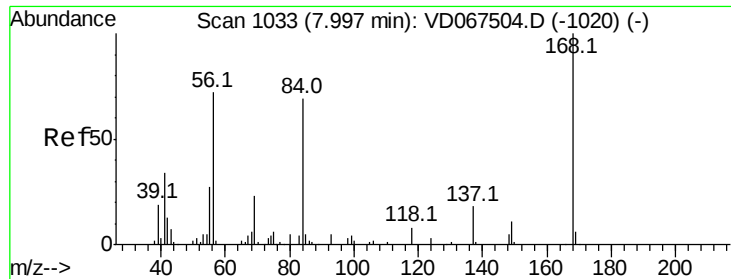
Tot Ion: 42 Resp: 67356
Ion Ratio Lower Upper
42 100
72 60.3 46.3 69.5
71 56.8 44.0 66.0



#30
Chloroform
Concen: 49.507 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion: 83 Resp: 264753
Ion Ratio Lower Upper
83 100
85 64.2 51.5 77.3

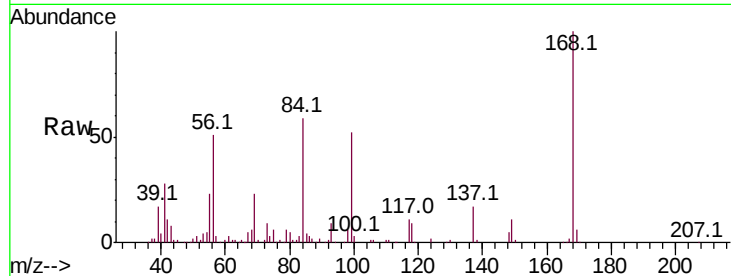




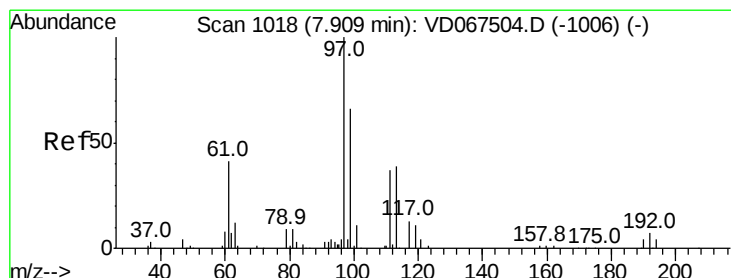
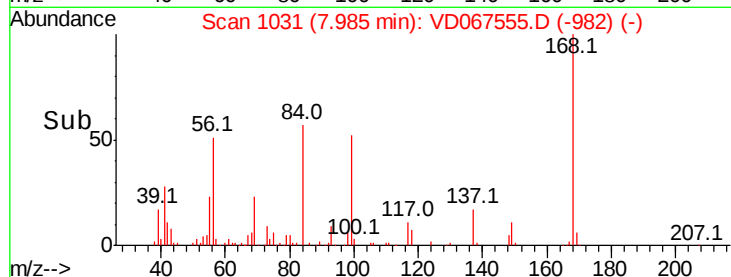
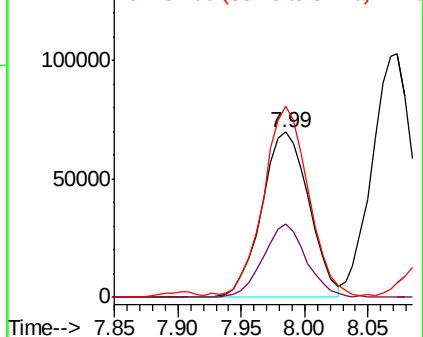
#31
Cyclohexane
Concen: 45.379 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 181148
Ion Ratio Lower Upper
56 100
69 44.6 25.9 38.9#
84 112.6 76.2 114.4

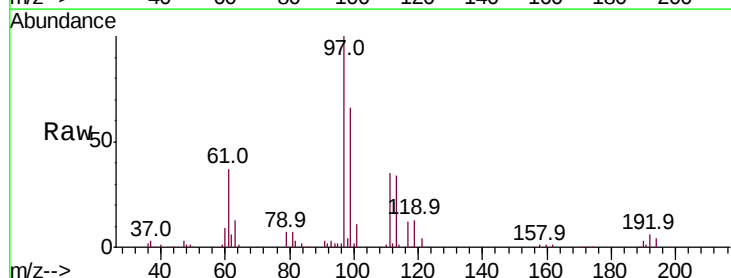


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

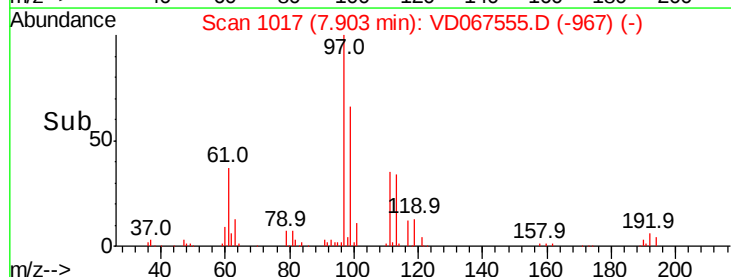
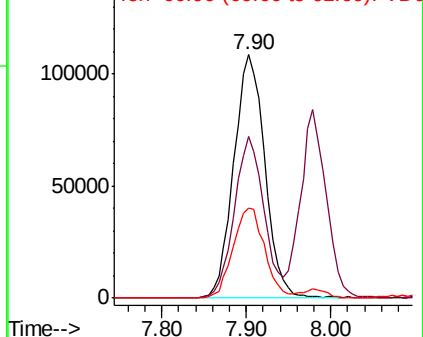


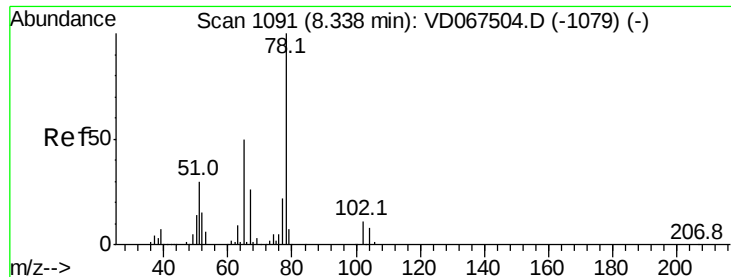
#32
1,1,1-Trichloroethane
Concen: 49.988 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion: 97 Resp: 275823
Ion Ratio Lower Upper
97 100
99 63.6 51.8 77.6
61 37.7 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 45.244 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

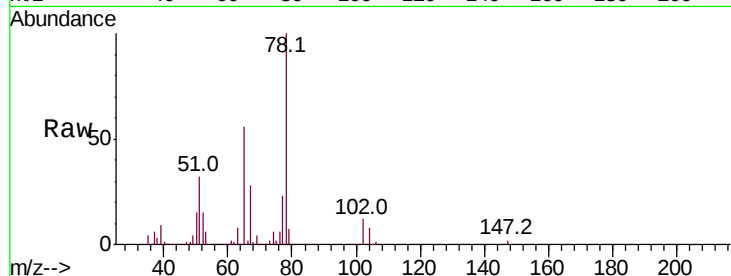
ClientSampleId :

Tot Ion: 65 Resp: 124525

Ion Ratio Lower Upper

65 100

67 49.4 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

60000

50000

40000

30000

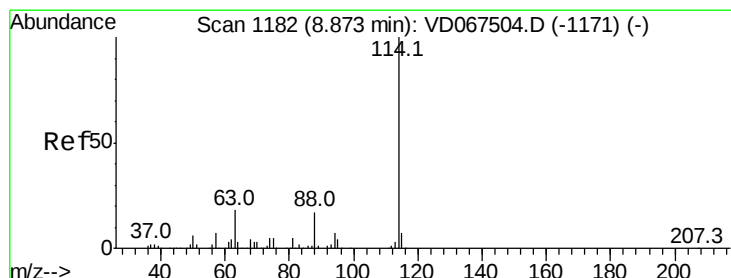
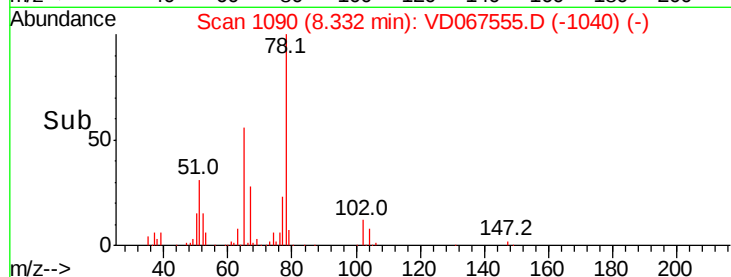
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

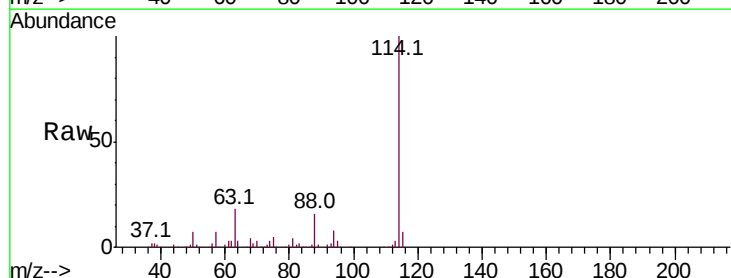
Tgt Ion: 114 Resp: 438996

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

88 15.9 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

300000

250000

200000

150000

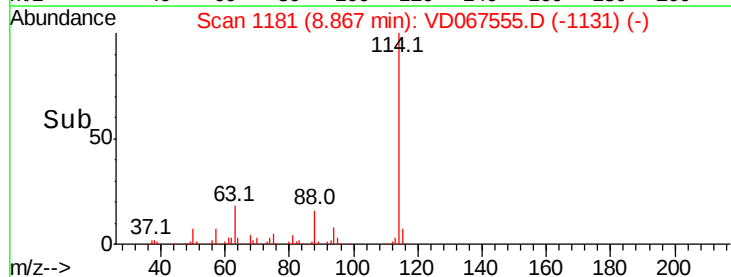
100000

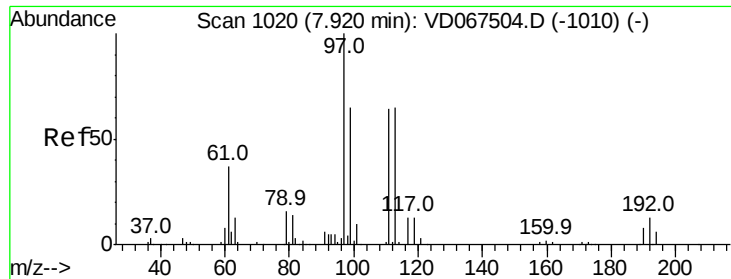
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->

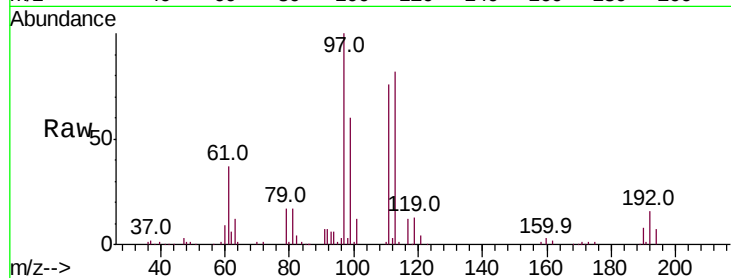




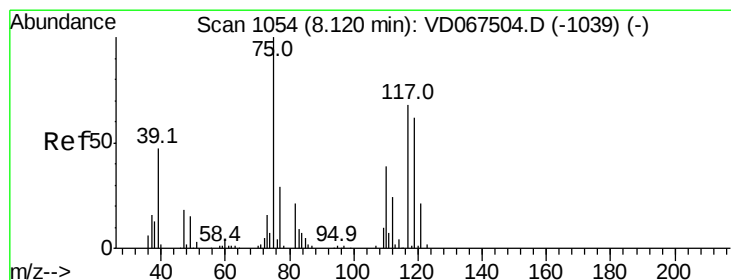
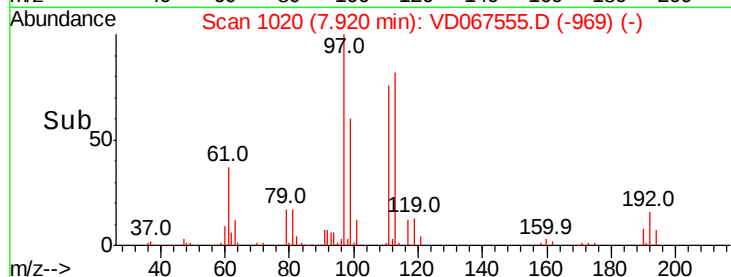
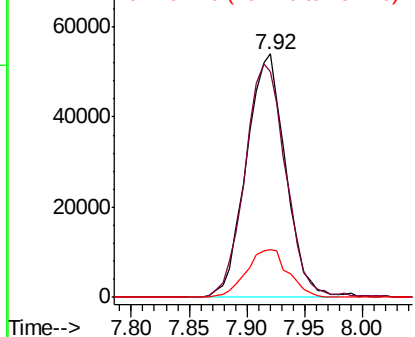
#35
 Dibromofluoromethane
 Concen: 48.466 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.8	80.0	120.0
192	20.8	16.3	24.5

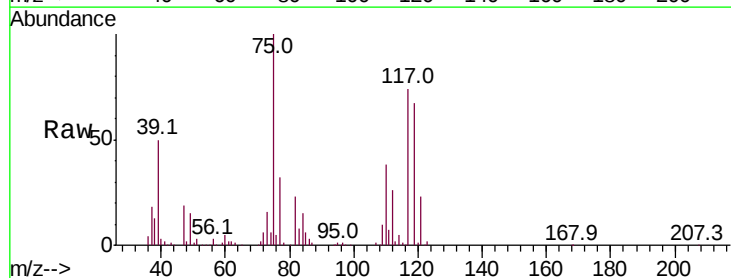


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

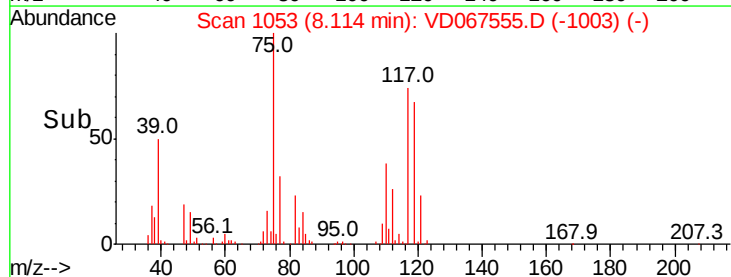
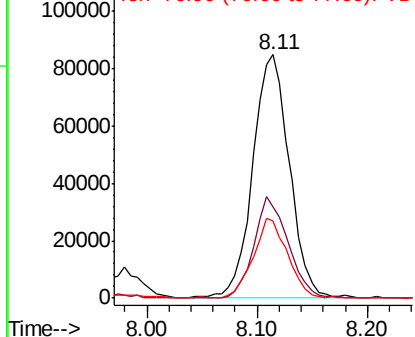


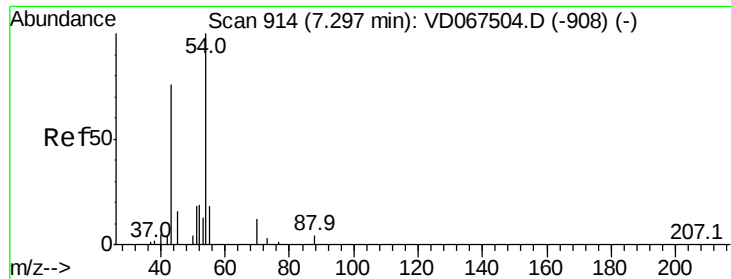
#36
 1,1-Dichloropropene
 Concen: 52.516 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	19.9	59.7
77	31.1	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: 52.876 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampled :

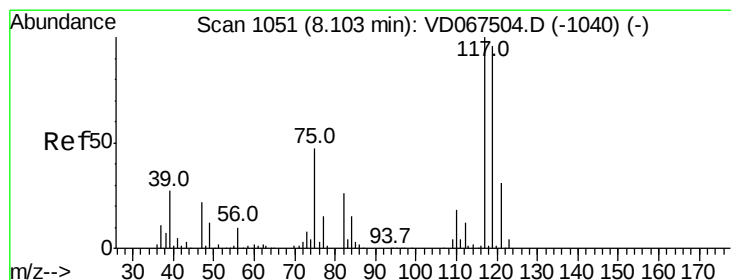
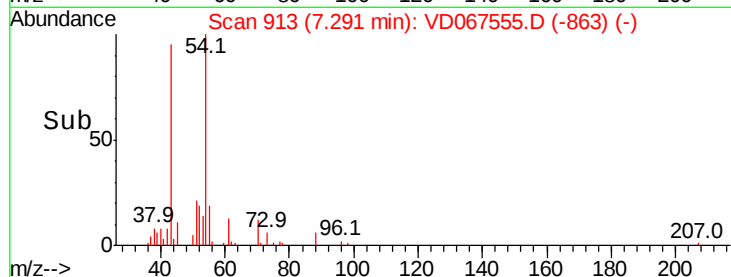
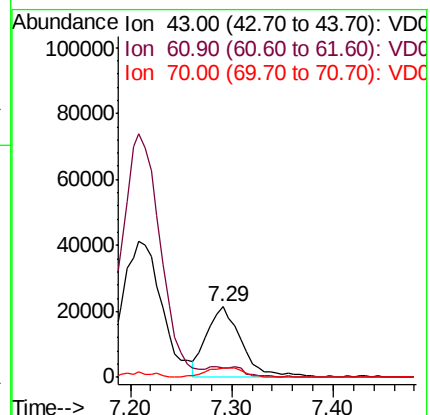
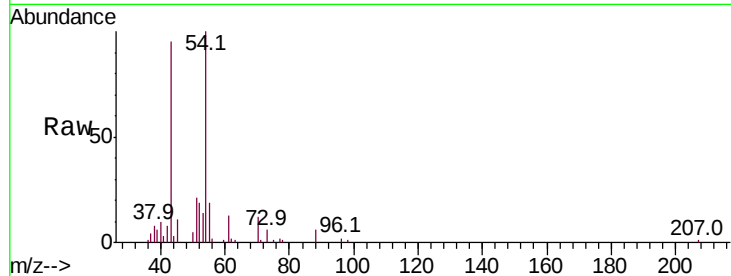
Tot Ion: 43 Resp: 51585

Ion Ratio Lower Upper

43 100

61 13.7 12.8 19.2

70 14.4 11.7 17.5



#38

Carbon Tetrachloride

Concen: 54.736 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

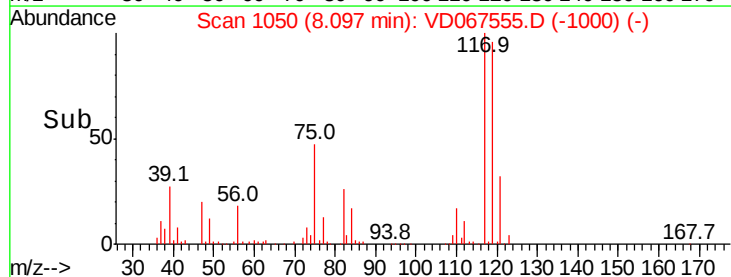
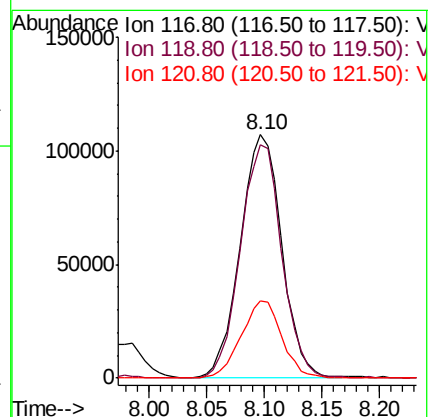
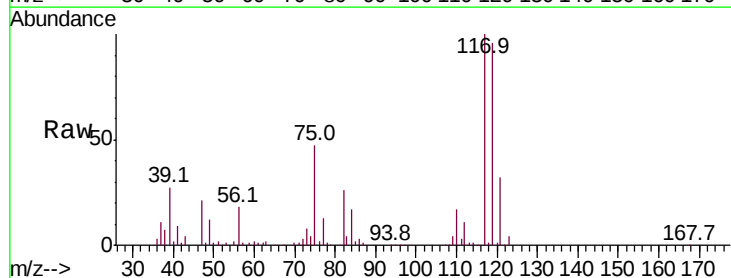
Tgt Ion: 117 Resp: 267237

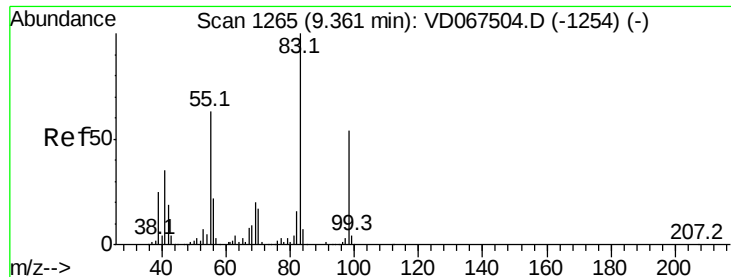
Ion Ratio Lower Upper

117 100

119 95.6 76.9 115.3

121 31.7 24.5 36.7

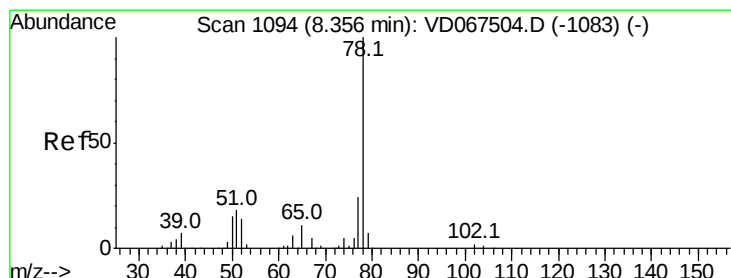
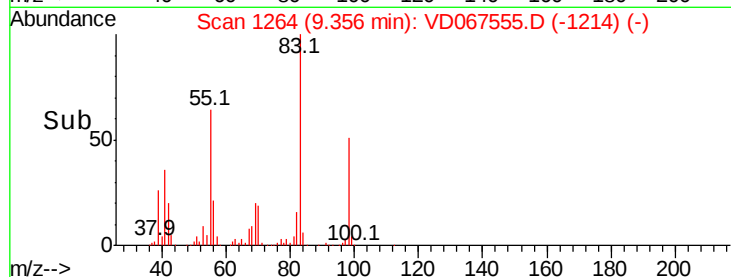
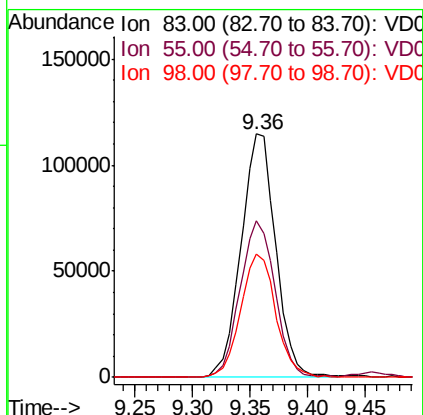
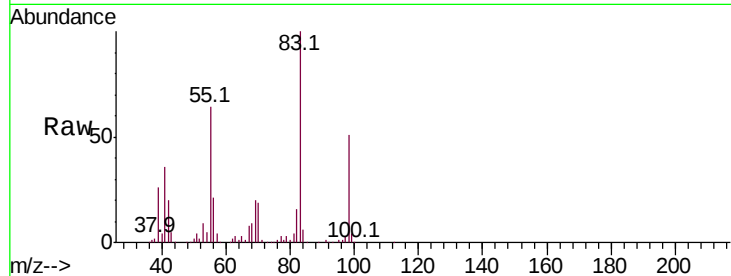




#39
Methvlcvclohexane
Concen: 54.171 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

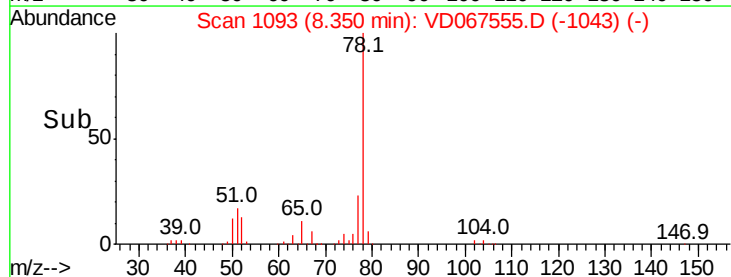
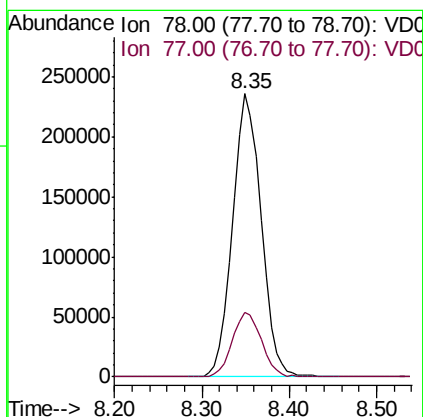
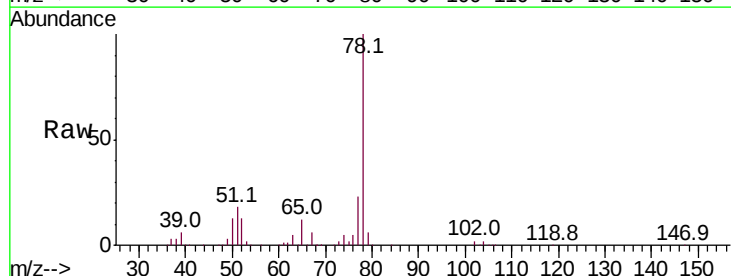
Instrument :
MSVOA_D
ClientSampled :

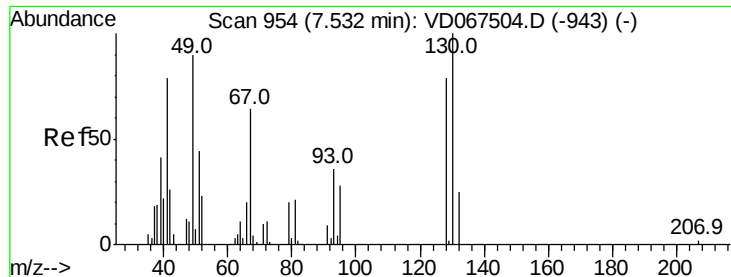
Tot Ion	83	Resp	239585
Ion Ratio	100	Lower	Upper
55	64.3	50.5	75.7
98	50.7	43.4	65.0



#40
Benzene
Concen: 51.339 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion	78	Resp	522575
Ion Ratio	100	Lower	Upper
77	23.0	19.1	28.7





#41

Methacrylonitrile

Concen: 124.936 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.02 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 72856

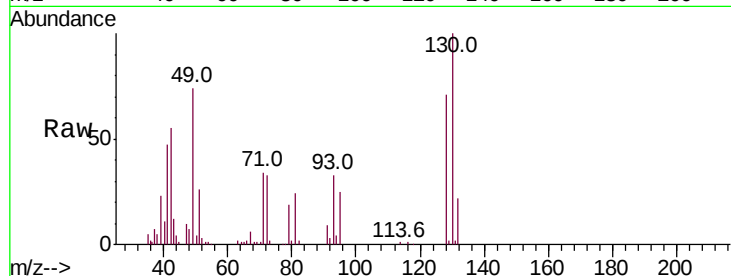
Ion Ratio Lower Upper

41 100

39 57.2 51.3 76.9

67 0.0 78.9 118.3#

52 0.0 31.4 47.2#

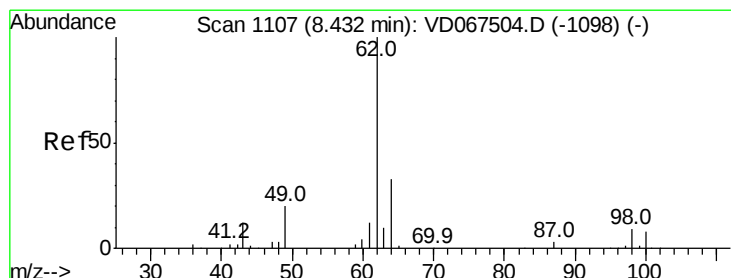
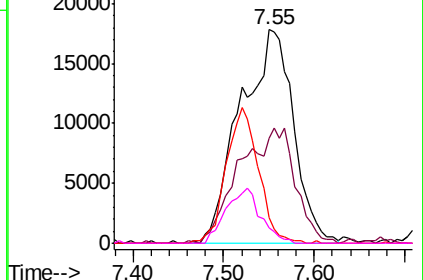
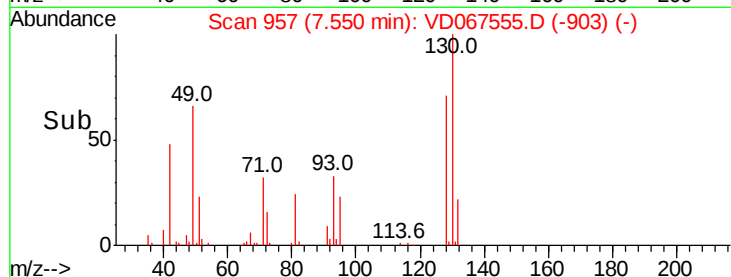


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 52.566 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067555.D

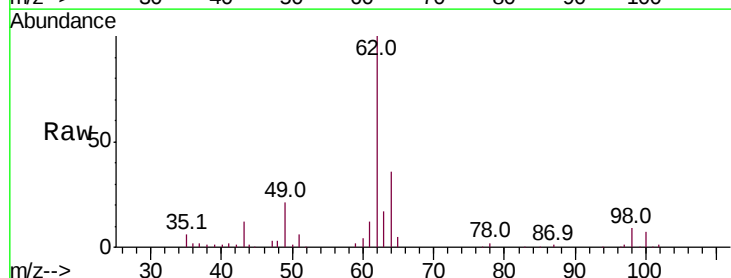
Acq: 09 Nov 2020 10:05

Tgt Ion: 62 Resp: 165317

Ion Ratio Lower Upper

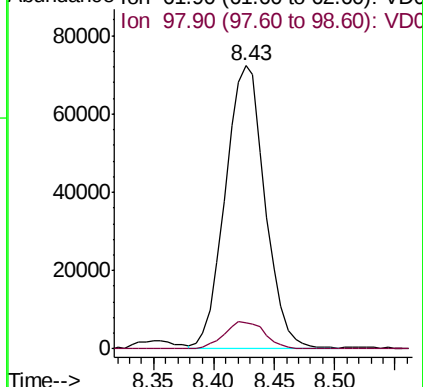
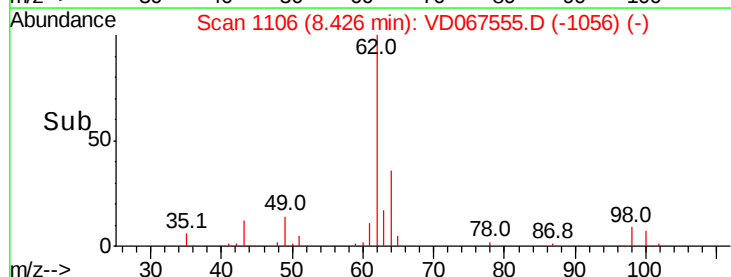
62 100

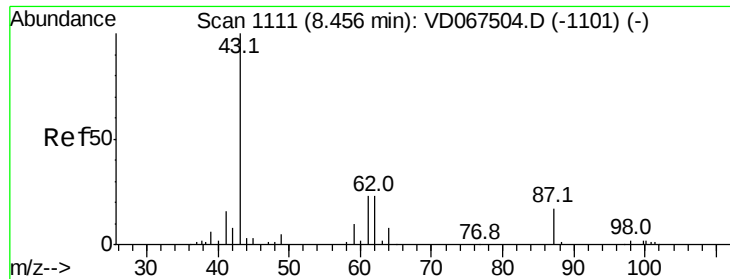
98 10.0 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.691 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

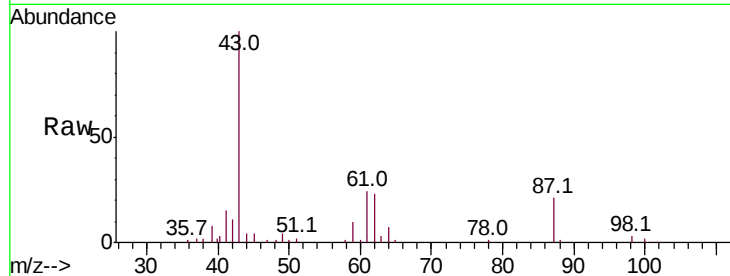
Tot Ion: 43 Resp: 99733

Ion Ratio Lower Upper

43 100

61 38.5 30.5 45.7

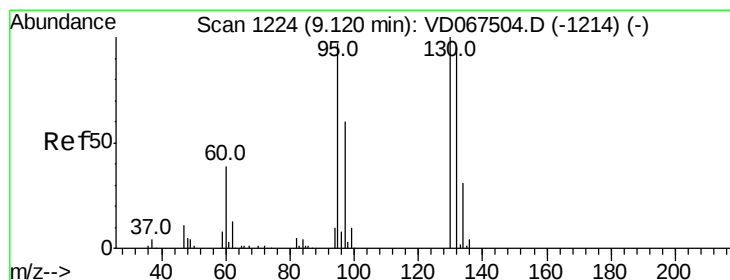
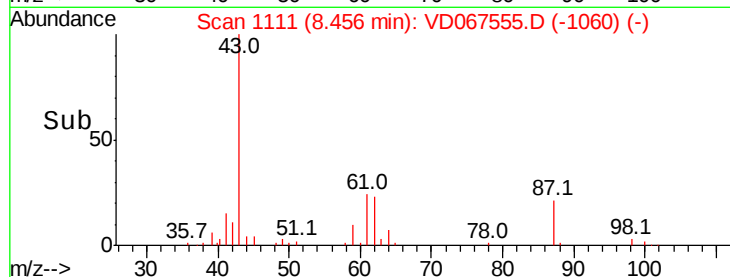
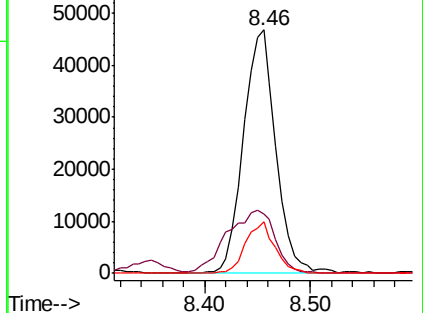
87 18.9 14.7 22.1



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: 50.965 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067555.D

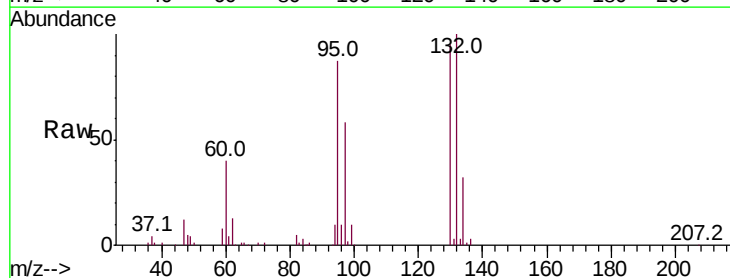
Acq: 09 Nov 2020 10:05

Tgt Ion: 130 Resp: 170574

Ion Ratio Lower Upper

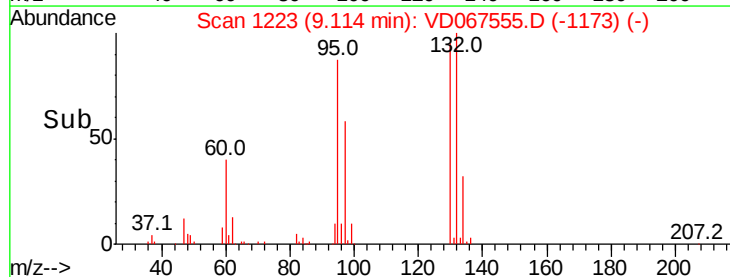
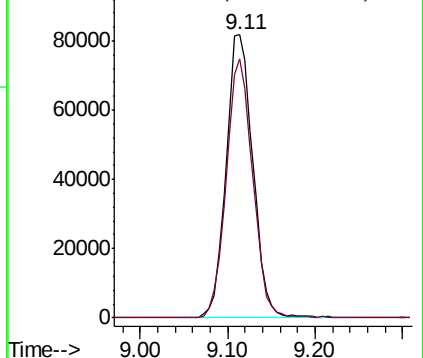
130 100

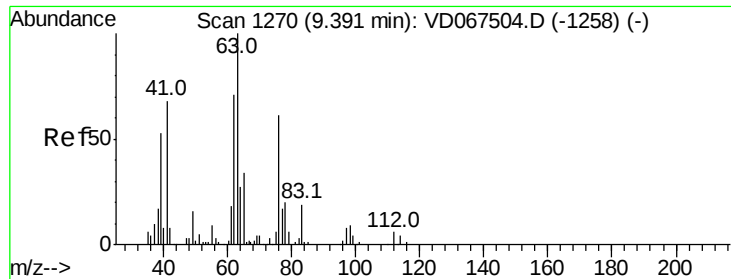
95 91.5 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.102 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

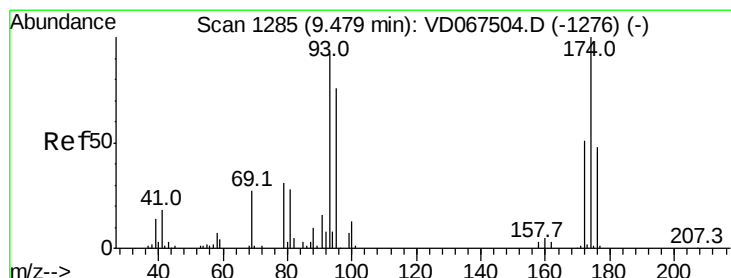
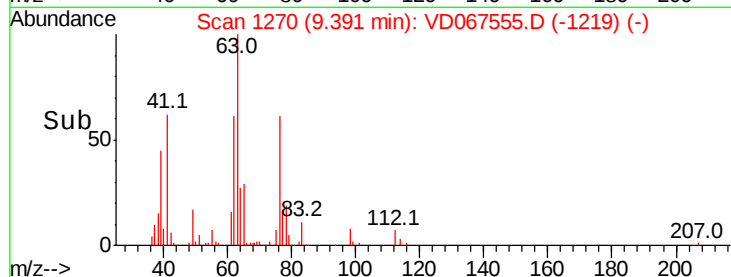
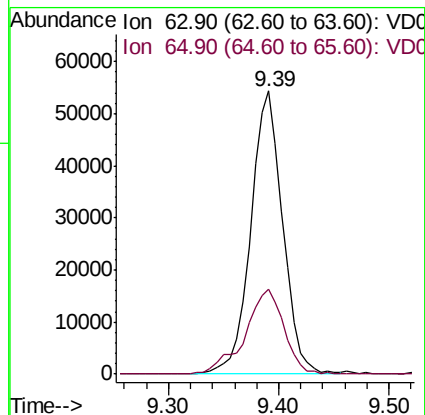
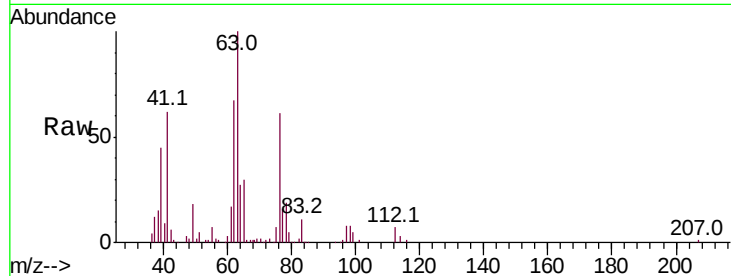
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 63 Resp: 110260

Ion Ratio Lower Upper

63 100

65 30.0 26.9 40.3



#46

Dibromomethane

Concen: 51.443 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

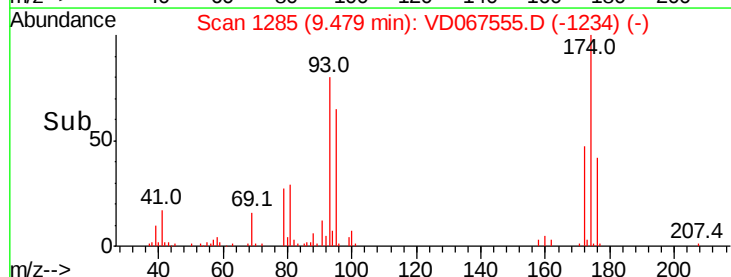
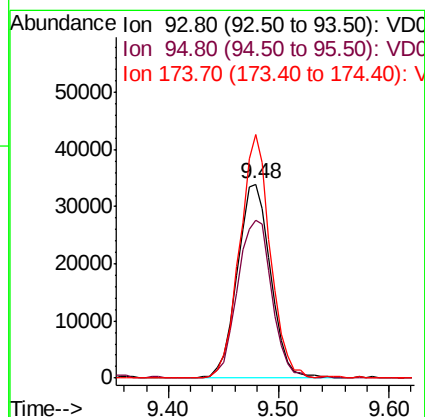
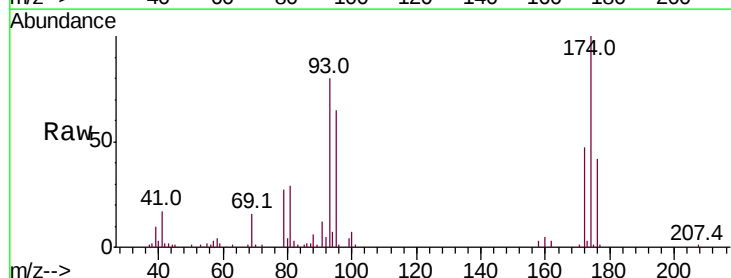
Tgt Ion: 93 Resp: 71984

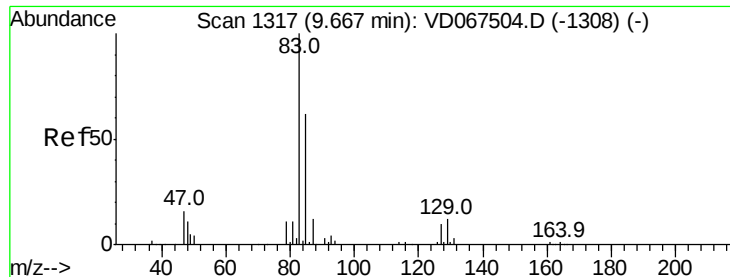
Ion Ratio Lower Upper

93 100

95 83.9 66.4 99.6

174 115.0 88.2 132.4





#47

Bromodichloromethane

Concen: 51.965 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

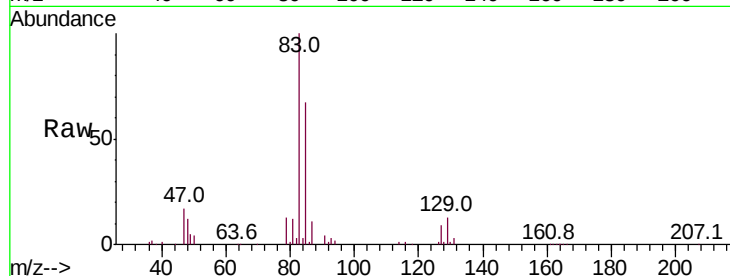
Tot Ion: 83 Resp: 197637

Ion Ratio Lower Upper

83 100

85 66.6 49.4 74.2

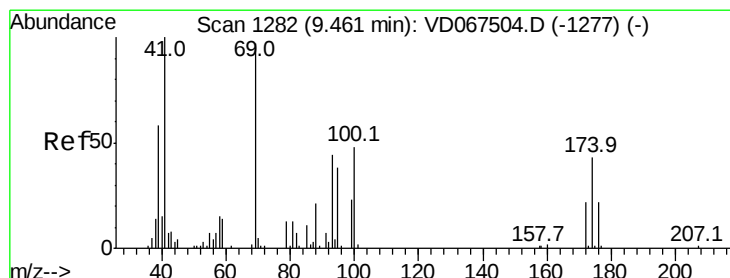
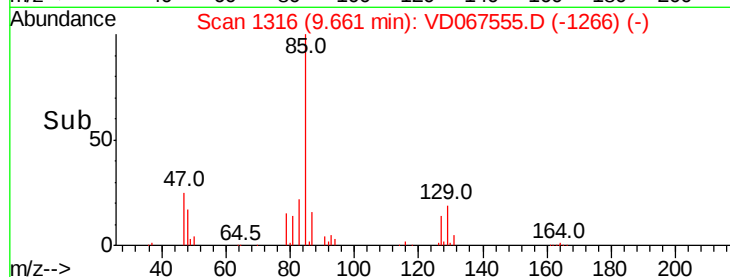
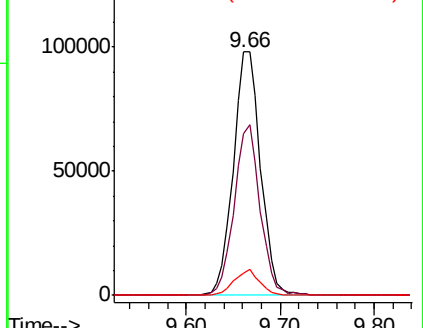
127 9.3 7.7 11.5



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: 55.860 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

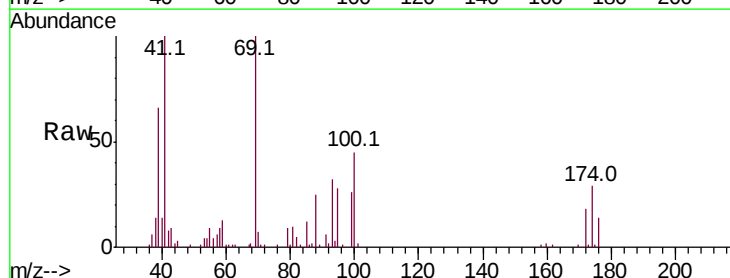
Tgt Ion: 41 Resp: 55647

Ion Ratio Lower Upper

41 100

69 99.7 80.6 121.0

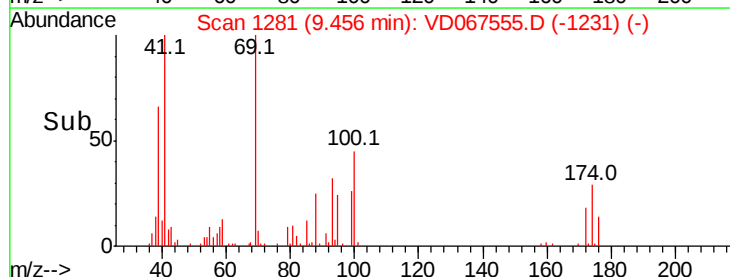
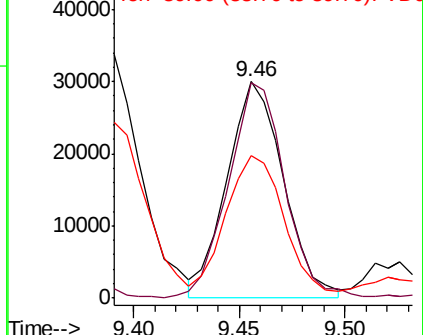
39 62.2 50.2 75.4

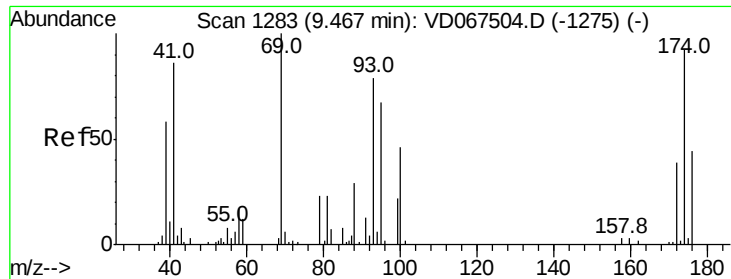


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

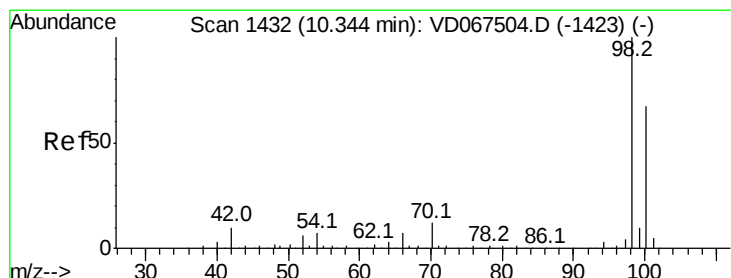
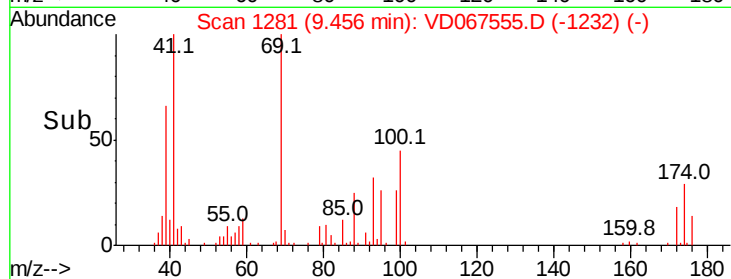
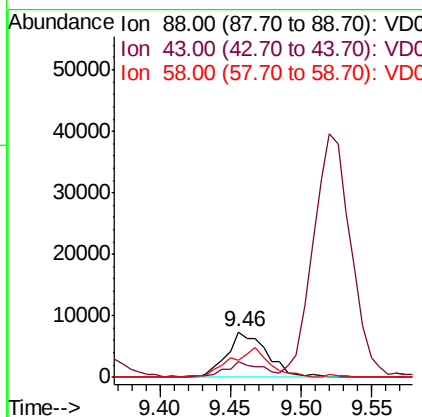
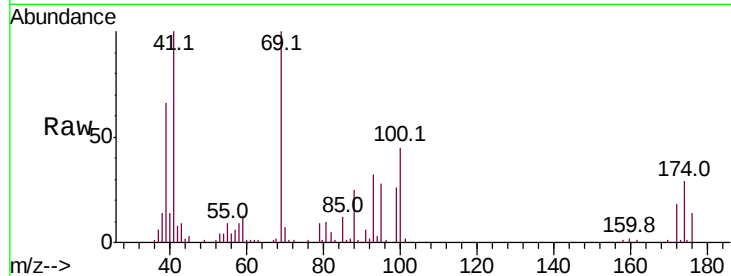




#49
 1,4-Dioxane
 Concen: 1029.980 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

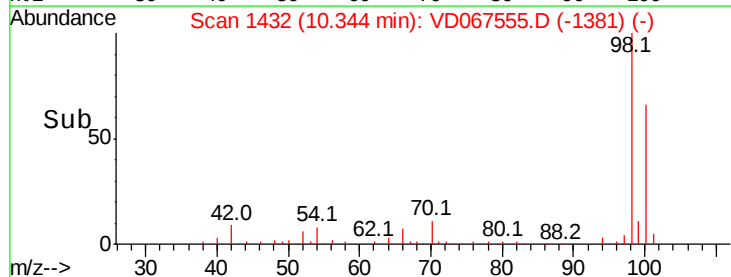
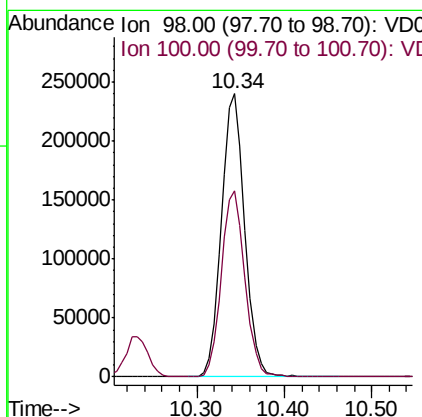
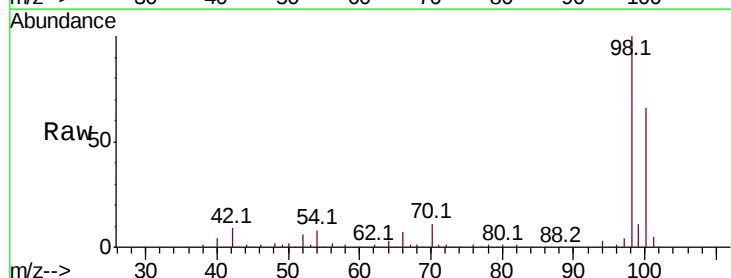
Instrument :
 MSVOA_D
 ClientSampleId :

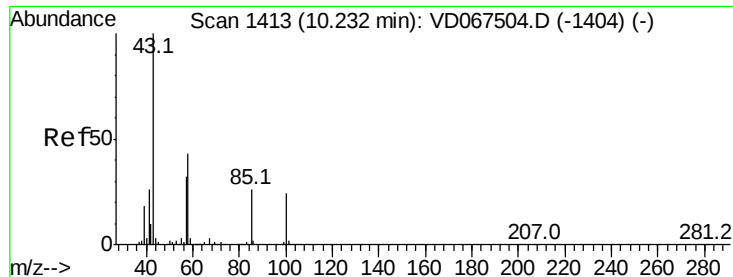
Tot Ion: 88 Resp: 14631
 Ion Ratio Lower Upper
 88 100
 43 31.9 23.6 35.4
 58 64.1 44.7 67.1



#50
 Toluene-d8
 Concen: 47.404 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion: 98 Resp: 440619
 Ion Ratio Lower Upper
 98 100
 100 66.4 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 272.269 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

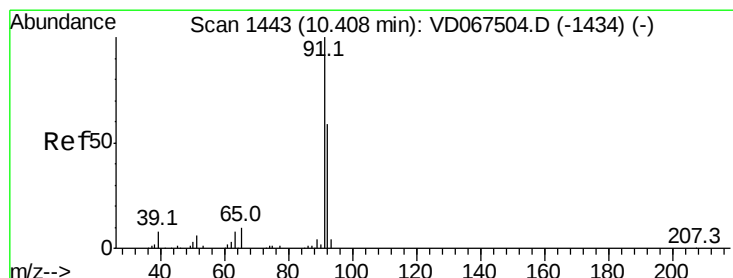
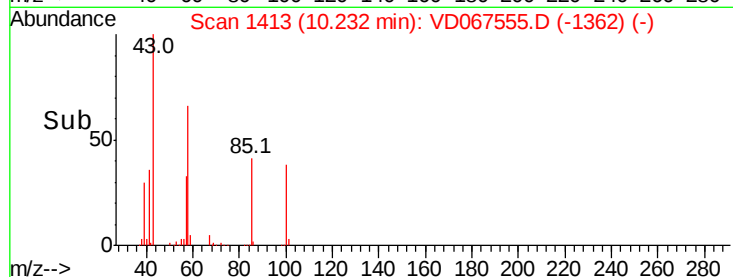
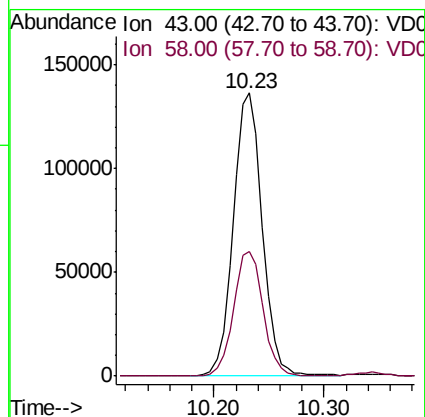
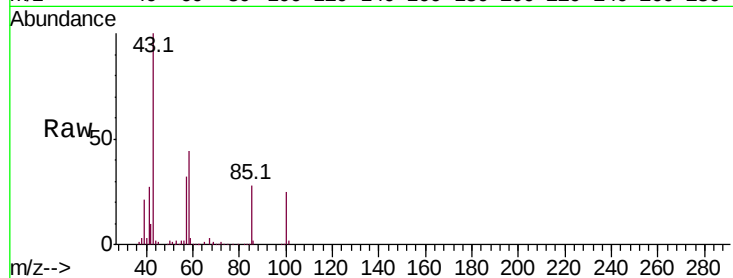
ClientSampled :

Tot Ion: 43 Resp: 251233

Ion Ratio Lower Upper

43 100

58 44.8 35.6 53.4



#52

Toluene

Concen: 53.109 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067555.D

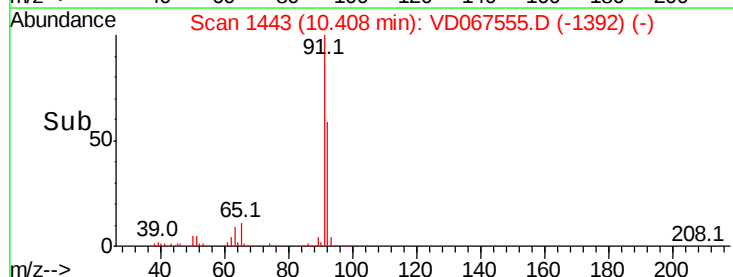
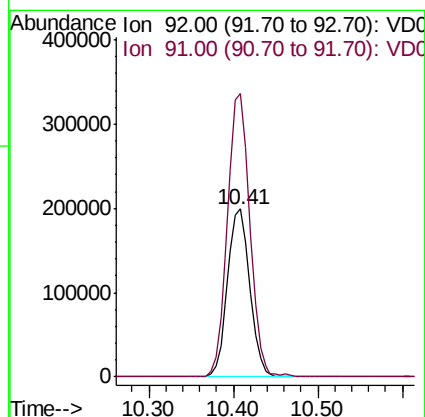
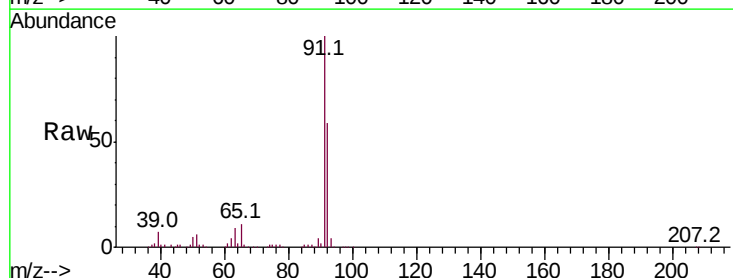
Acq: 09 Nov 2020 10:05

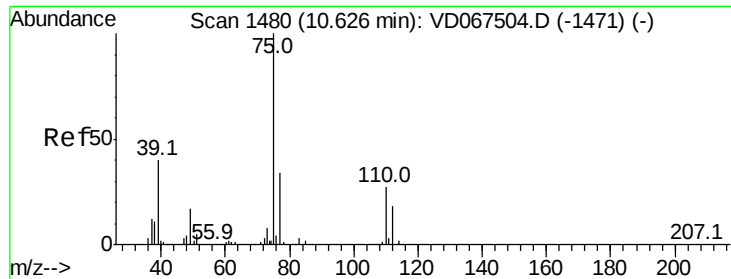
Tgt Ion: 92 Resp: 362085

Ion Ratio Lower Upper

92 100

91 169.9 137.0 205.6

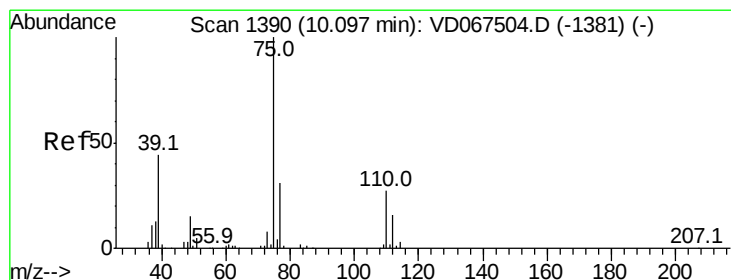
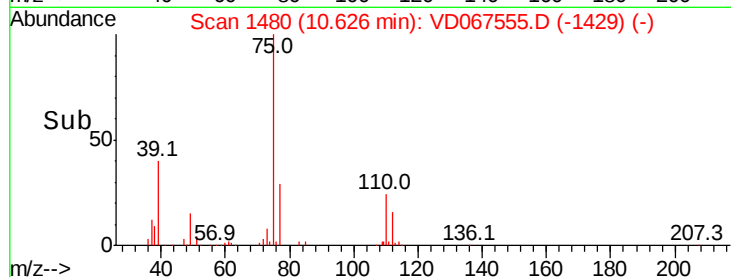
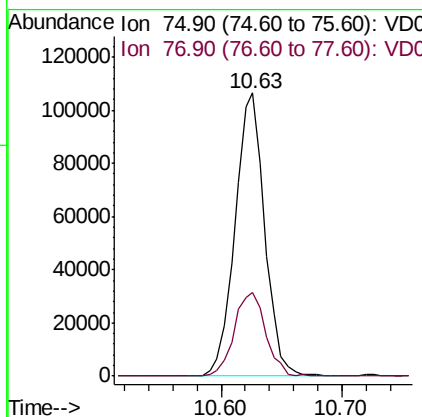
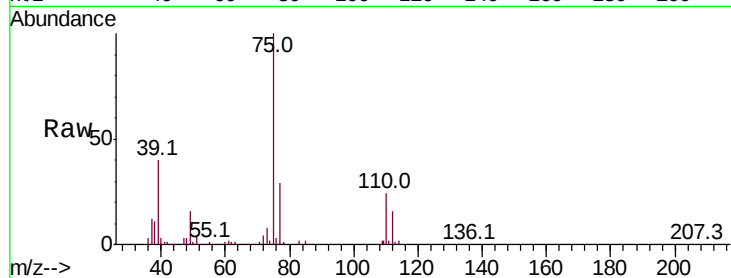




#53
t-1,3-Dichloropropene
Concen: 55.768 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

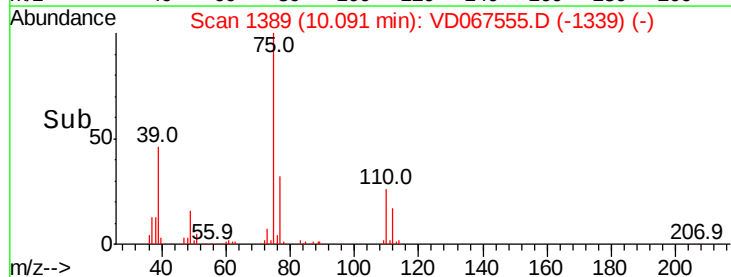
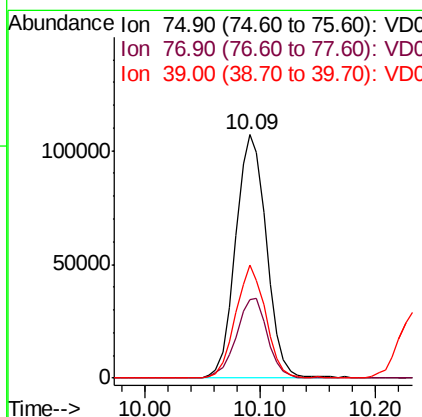
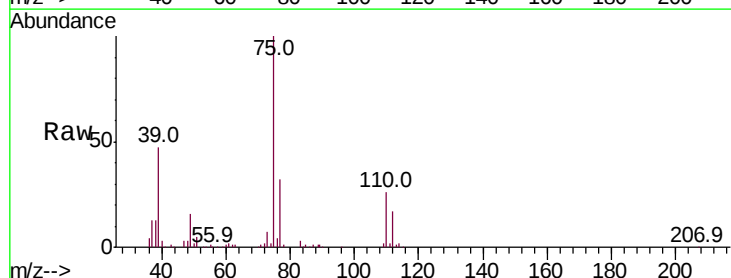
Instrument :
MSVOA_D
ClientSampled :

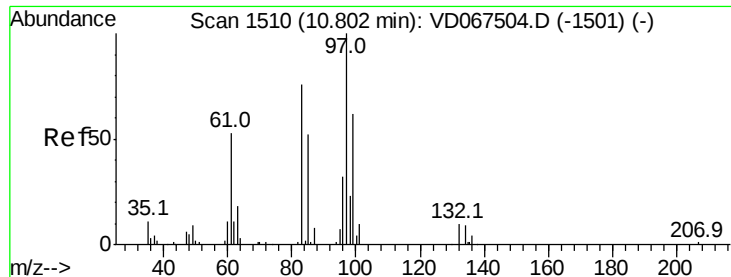
Tot Ion: 75 Resp: 181656
Ion Ratio Lower Upper
75 100
77 29.5 27.0 40.6



#54
cis-1,3-Dichloropropene
Concen: 51.128 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion: 75 Resp: 197871
Ion Ratio Lower Upper
75 100
77 32.2 24.4 36.6
39 46.5 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 51.758 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 95826

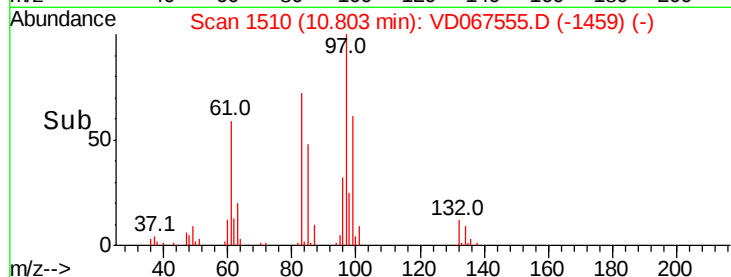
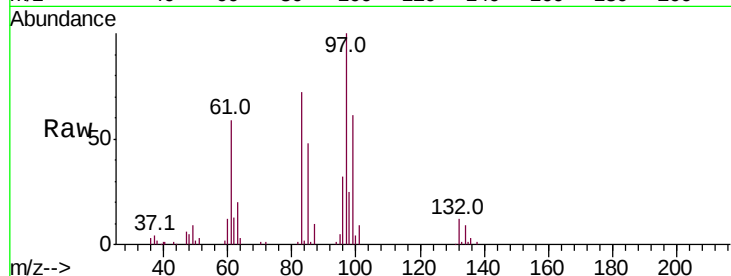
Ion	Ratio	Lower	Upper
97	100		
83	72.4	61.0	91.6
85	48.5	41.5	62.3
99	61.3	49.4	74.2

97 100

83 72.4 61.0 91.6

85 48.5 41.5 62.3

99 61.3 49.4 74.2

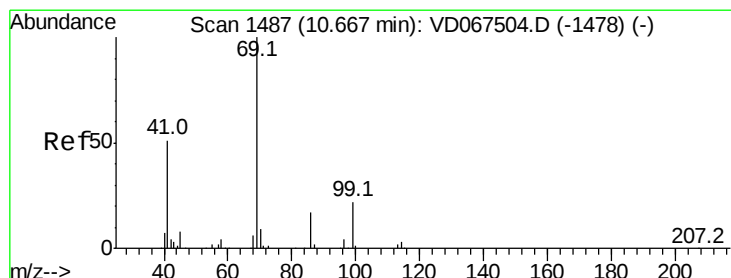
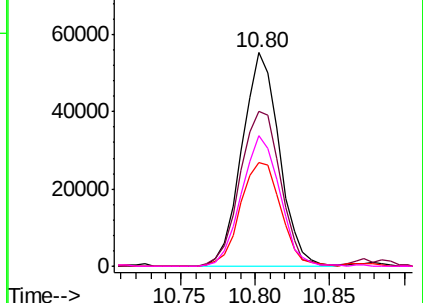


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 54.656 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

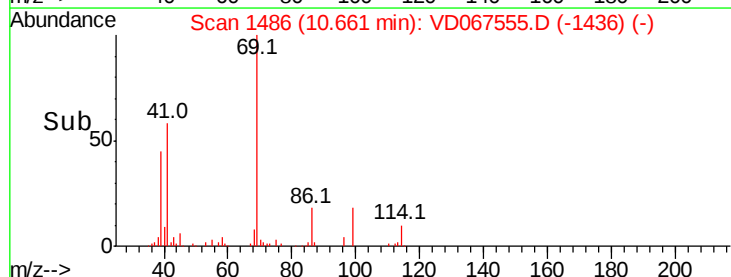
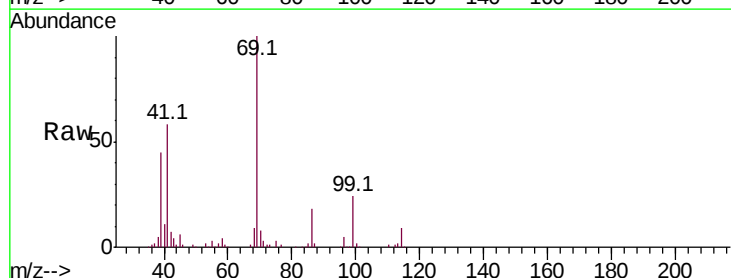
Tgt Ion: 69 Resp: 104496

Ion	Ratio	Lower	Upper
69	100		
41	55.5	45.4	68.0
39	37.8	27.4	41.0

69 100

41 55.5 45.4 68.0

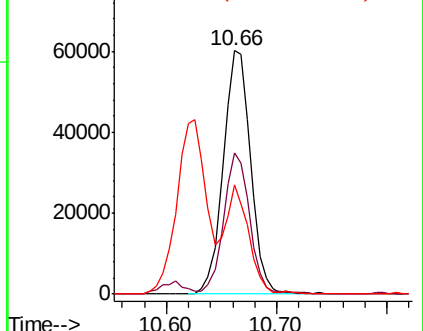
39 37.8 27.4 41.0

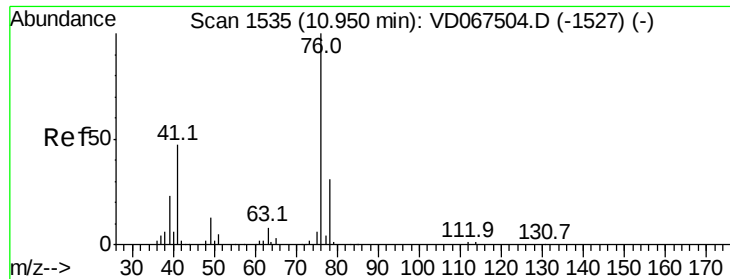


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 52.715 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

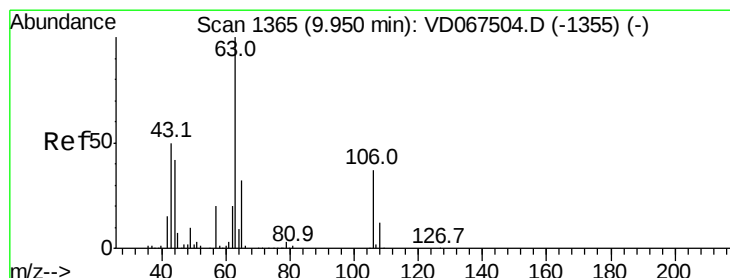
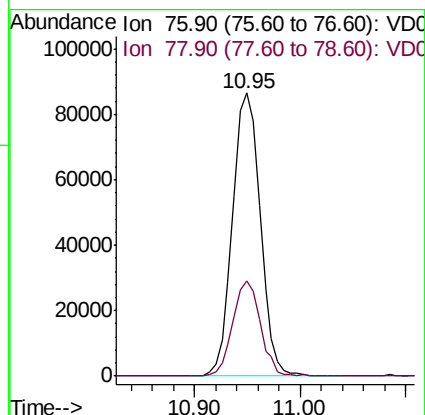
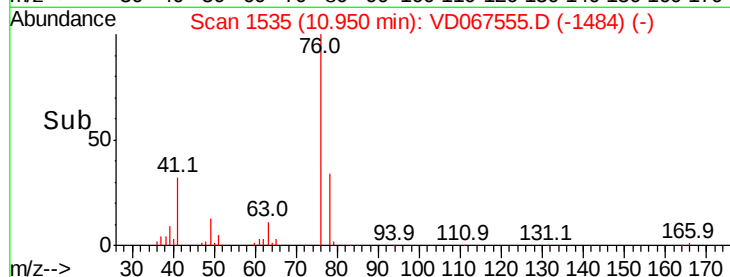
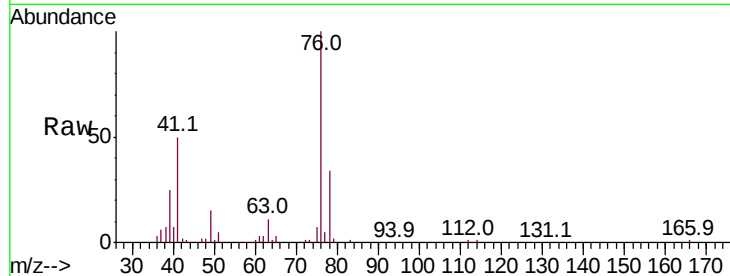
ClientSampleId :

Tot Ion: 76 Resp: 157054

Ion Ratio Lower Upper

76 100

78 33.5 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 264.064 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067555.D

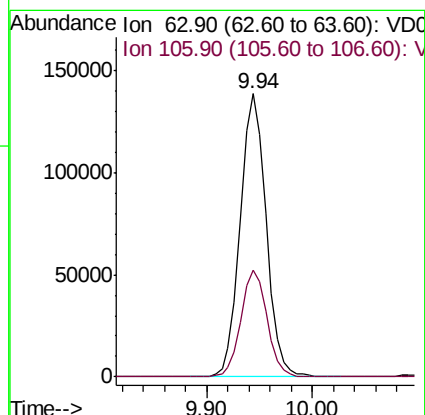
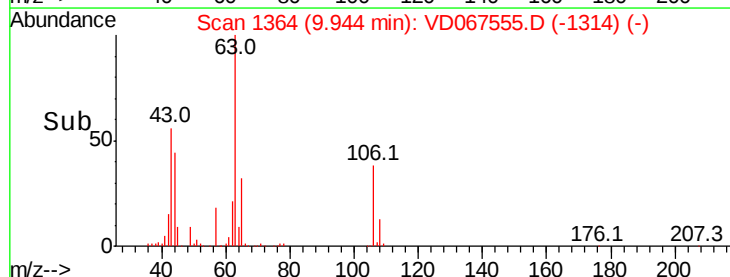
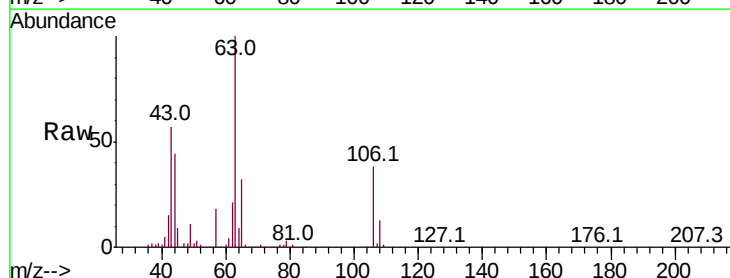
Acq: 09 Nov 2020 10:05

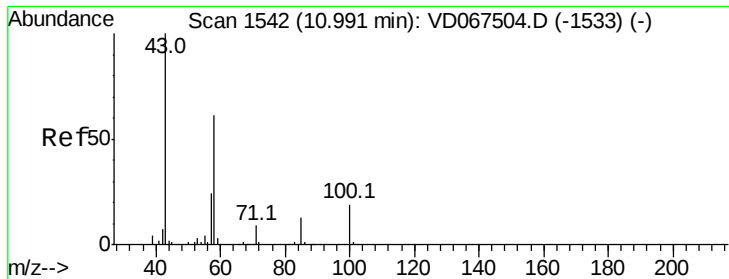
Tgt Ion: 63 Resp: 235434

Ion Ratio Lower Upper

63 100

106 38.0 29.2 43.8

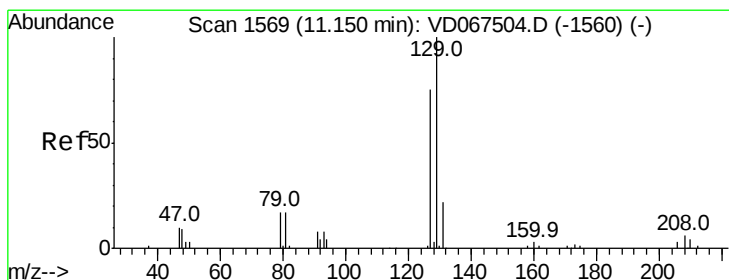
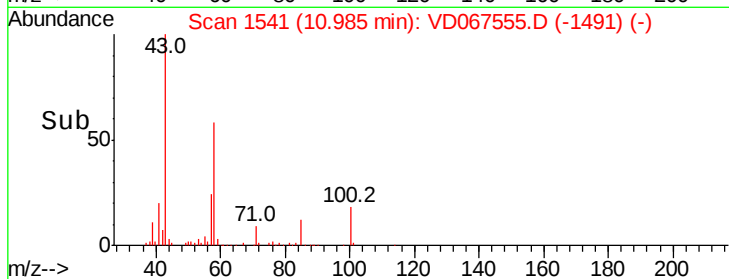
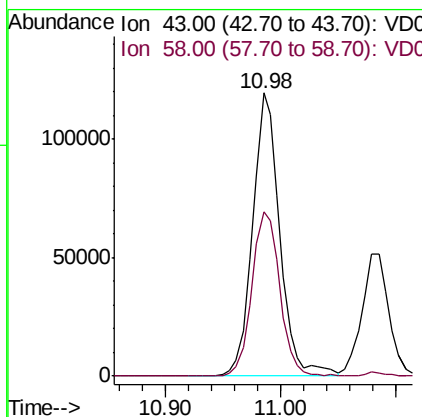
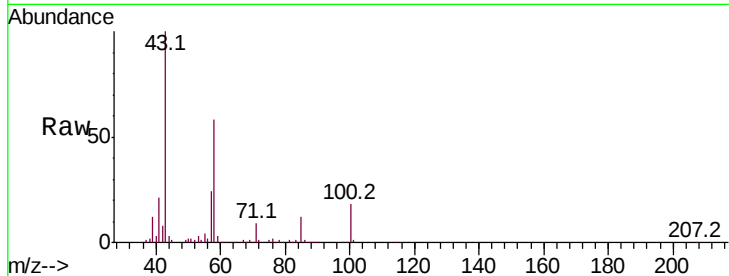




#59
2-Hexanone
Concen: 305.072 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

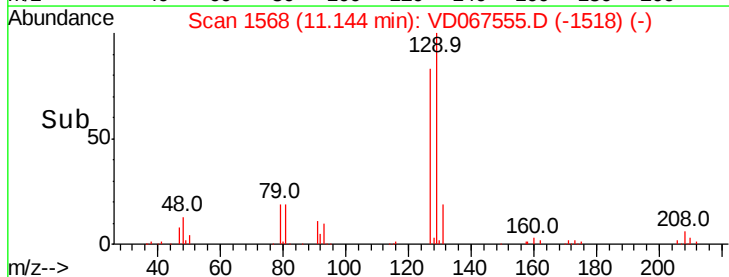
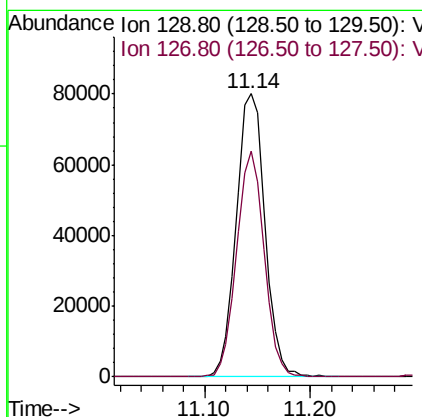
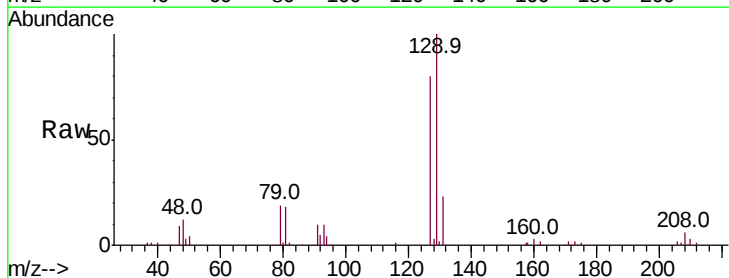
Instrument :
MSVOA_D
ClientSampleId :

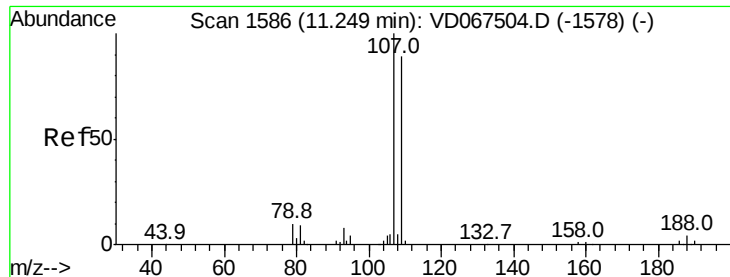
Tot Ion: 43 Resp: 196826
Ion Ratio Lower Upper
43 100
58 59.4 30.3 90.9



#60
Dibromochloromethane
Concen: 54.976 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion:129 Resp: 150567
Ion Ratio Lower Upper
129 100
127 76.4 38.0 114.1

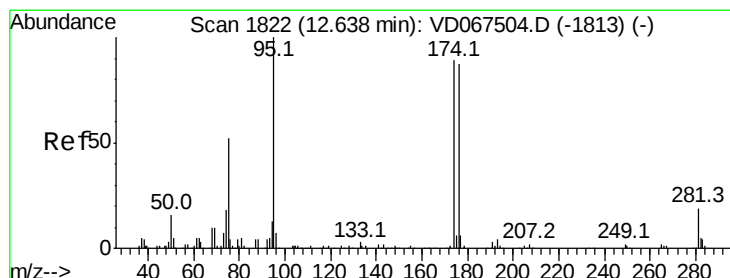
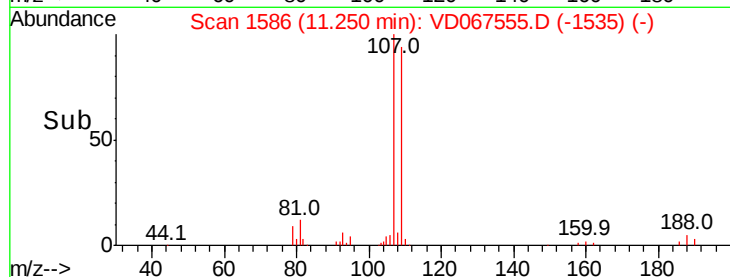
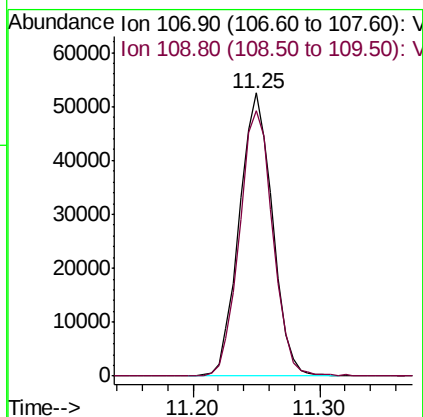
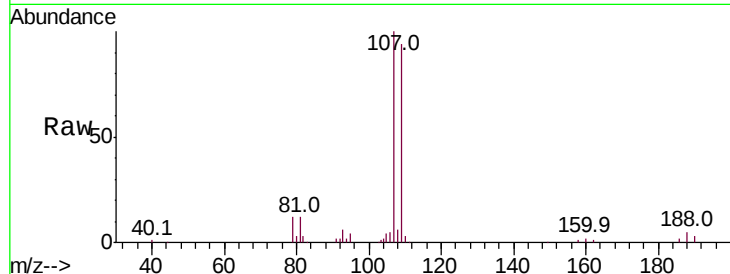




#61
 1,2-Dibromoethane
 Concen: 51.268 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

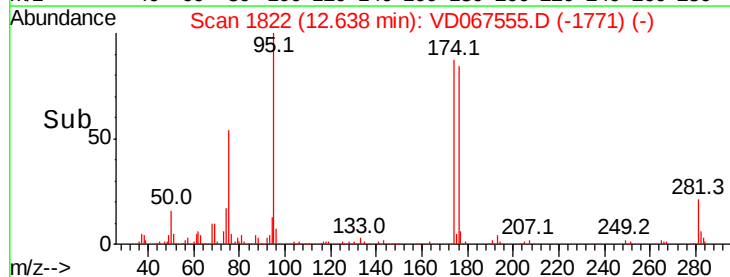
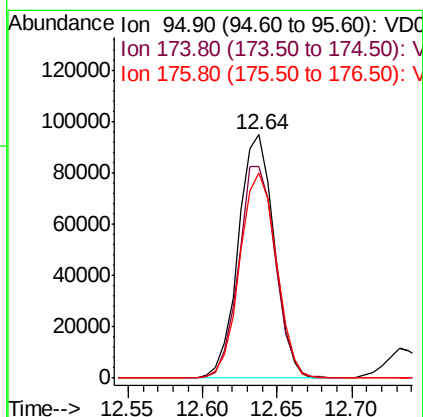
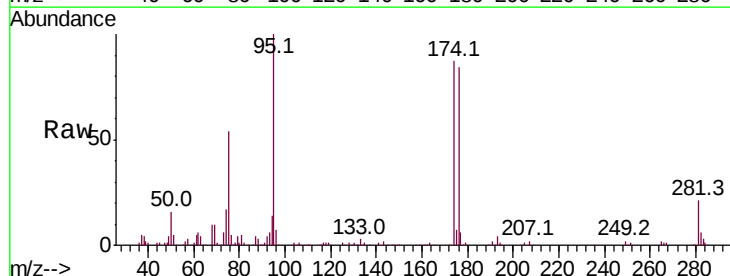
Instrument :
 MSVOA_D
 ClientSampled :

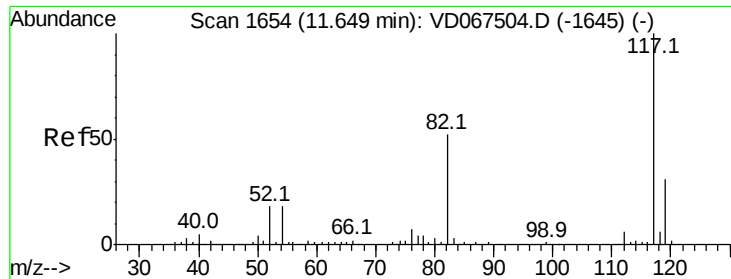
Tot Ion:107 Resp: 95264
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 49.174 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion: 95 Resp: 157801
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 177.8
 176 86.2 0.0 172.0

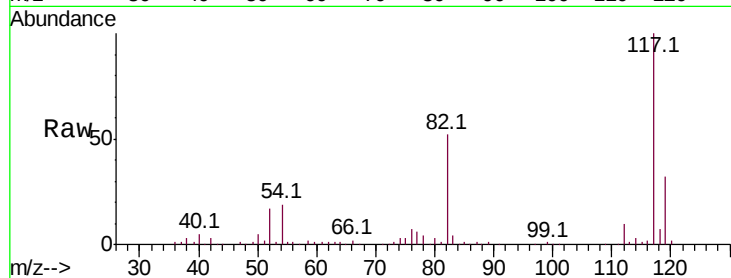




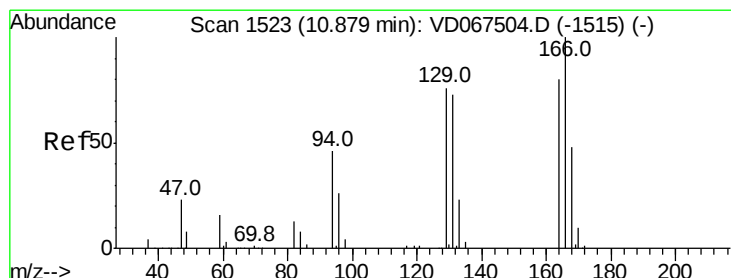
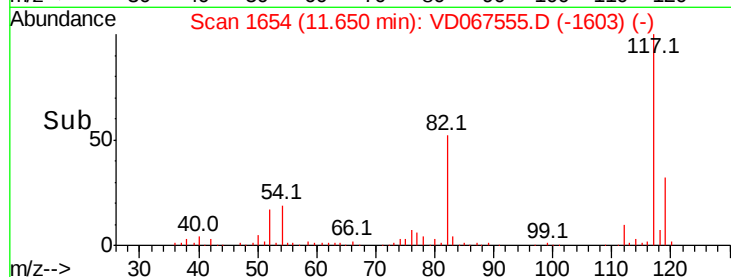
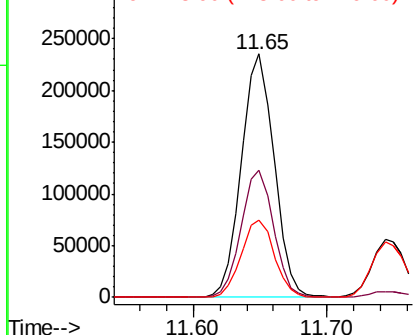
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 400307
Ion Ratio Lower Upper
117 100
82 52.1 41.6 62.4
119 31.8 25.1 37.7

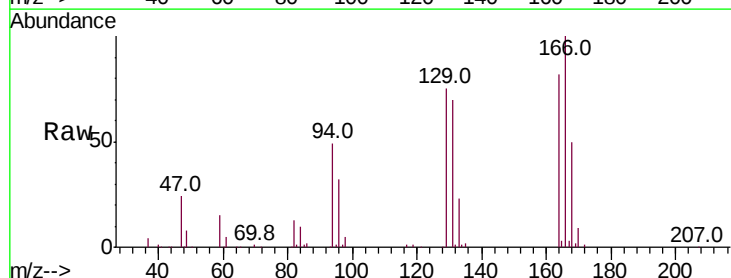


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

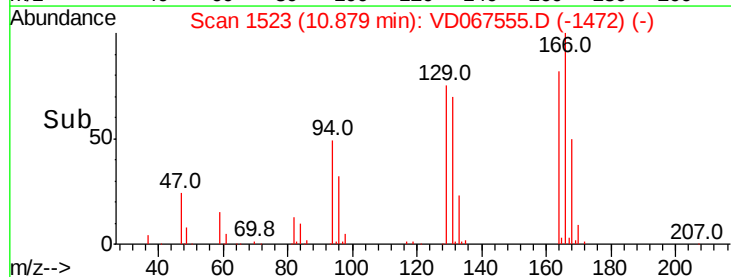
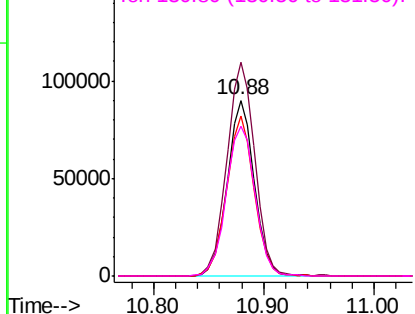


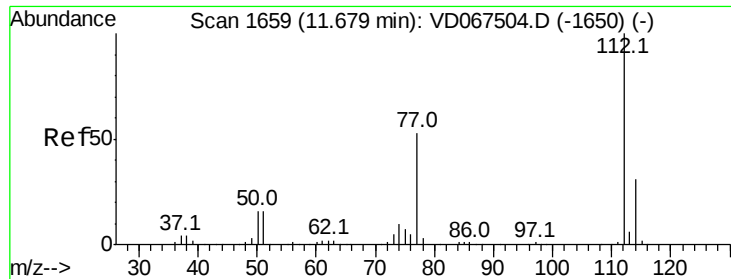
#64
Tetrachloroethene
Concen: 52.070 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion:164 Resp: 154369
Ion Ratio Lower Upper
164 100
166 121.6 99.9 149.9
129 91.4 75.5 113.3
131 85.5 73.4 110.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

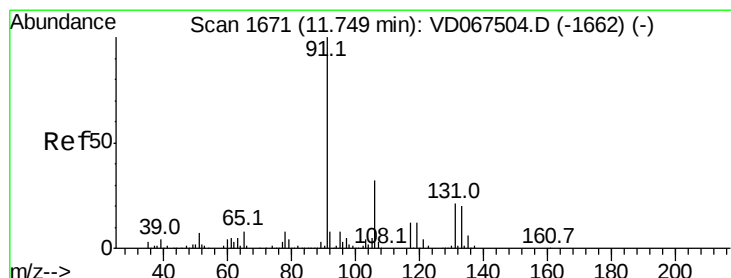
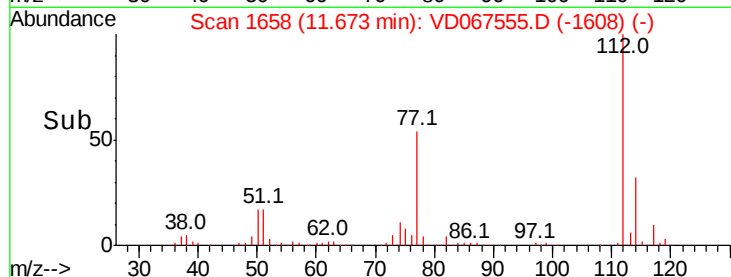
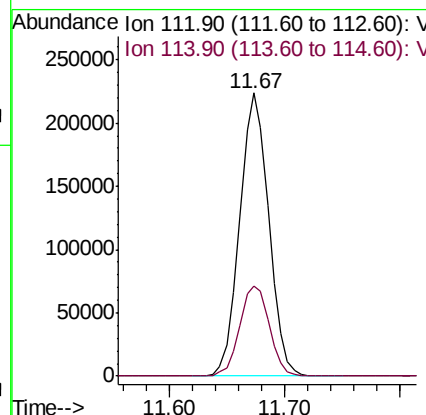
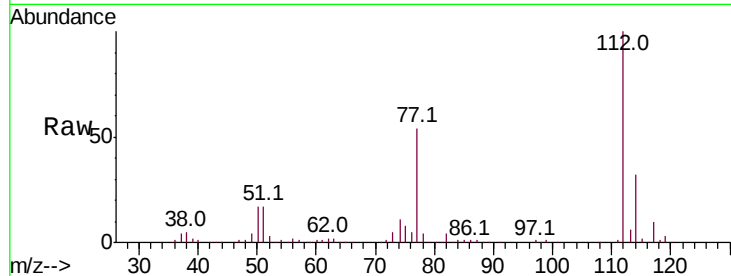




#65
Chlorobenzene
Concen: 50.525 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

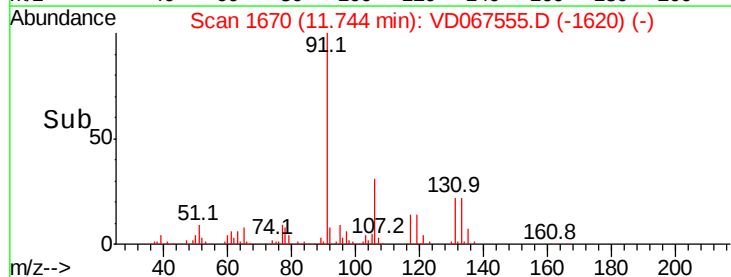
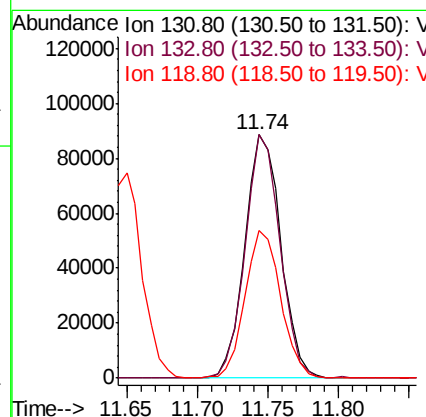
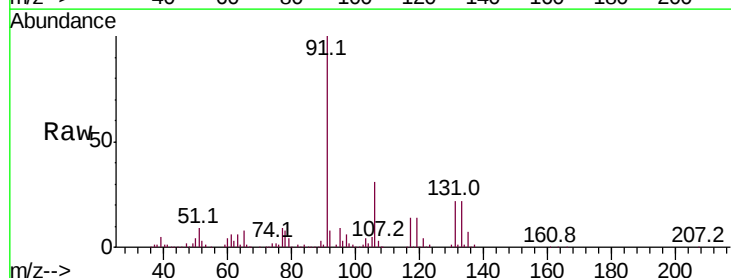
Instrument :
MSVOA_D
ClientSampled :

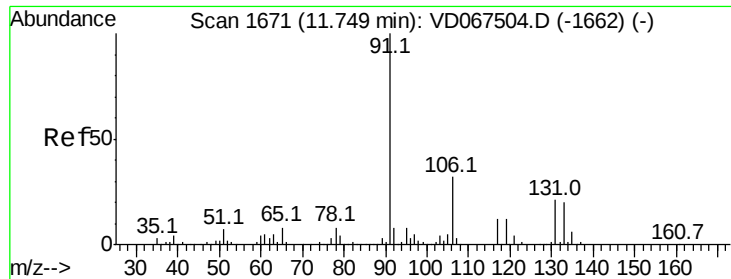
Tot Ion:112 Resp: 389595
Ion Ratio Lower Upper
112 100
114 32.0 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 52.138 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion:131 Resp: 158456
Ion Ratio Lower Upper
131 100
133 96.9 48.0 144.0
119 60.1 30.1 90.5

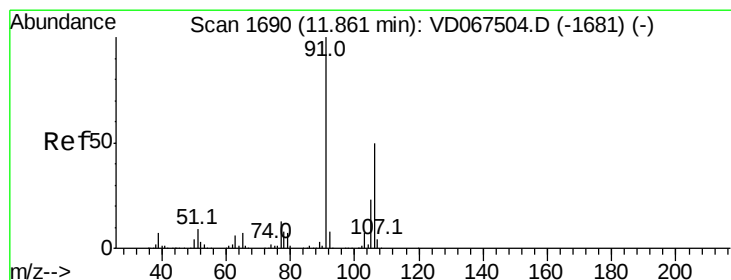
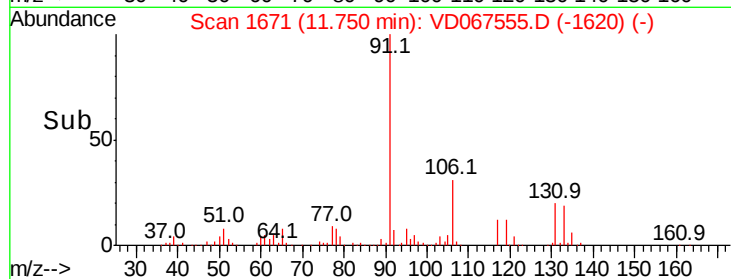
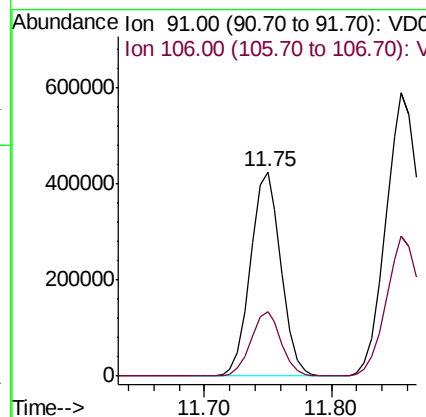
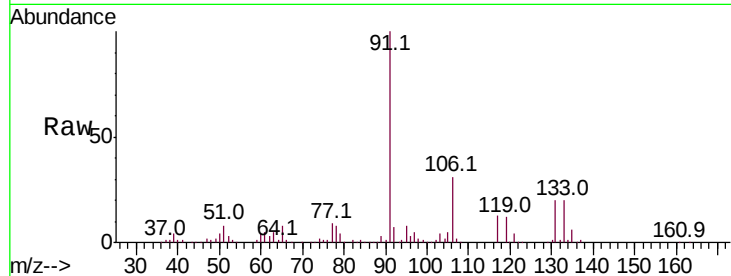




#67
Ethyl Benzene
Concen: 53.601 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

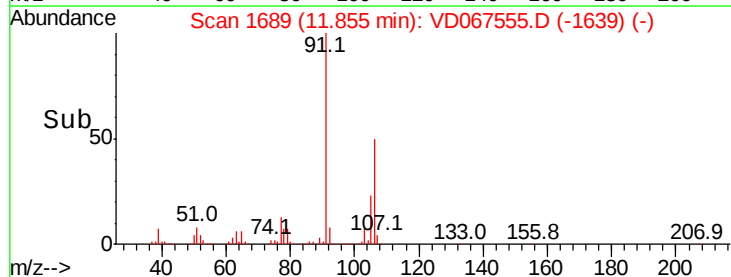
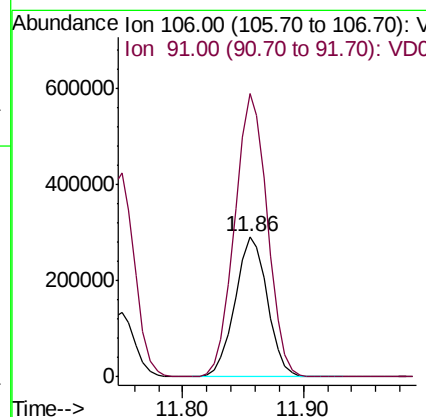
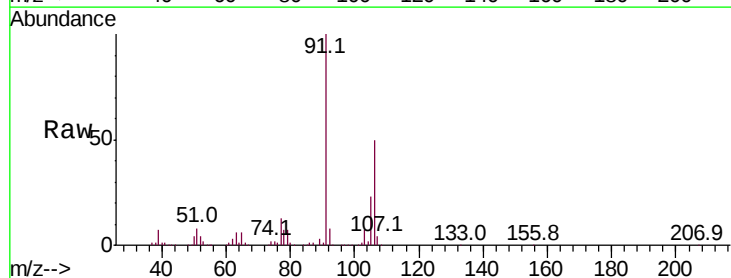
Instrument :
MSVOA_D
ClientSampleId :

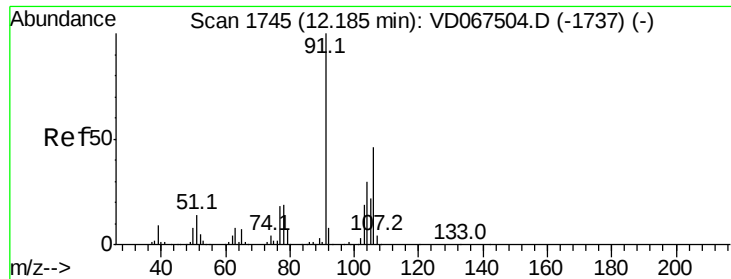
Tot Ion: 91 Resp: 707262
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5



#68
m/p-Xylenes
Concen: 105.699 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion:106 Resp: 542600
Ion Ratio Lower Upper
106 100
91 204.4 162.6 244.0

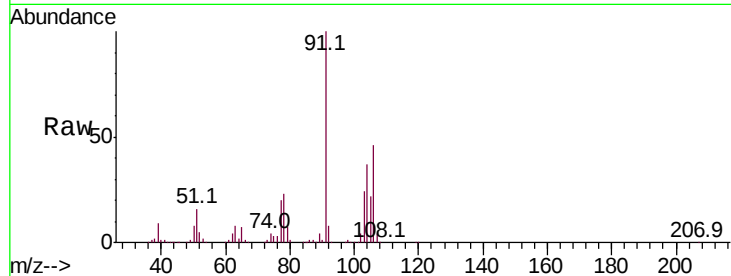




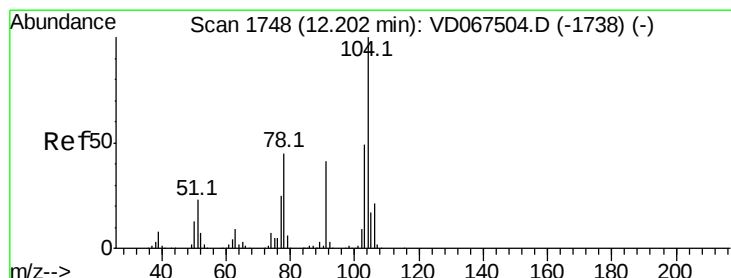
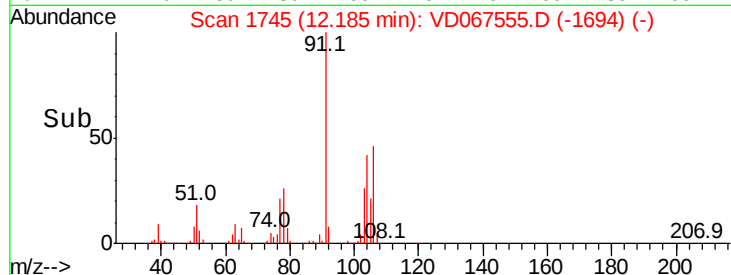
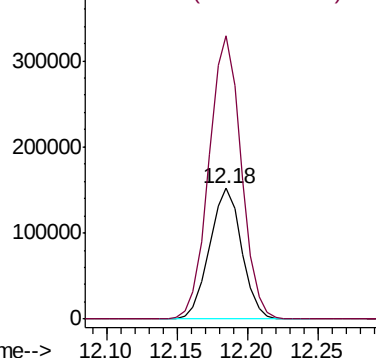
#69
o-Xylene
Concen: 53.143 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 243571
Ion Ratio Lower Upper
106 100
91 216.5 107.1 321.1

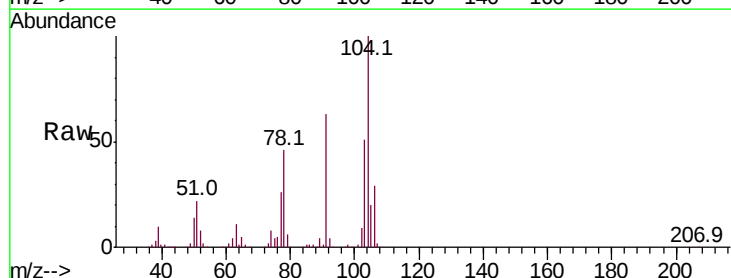


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

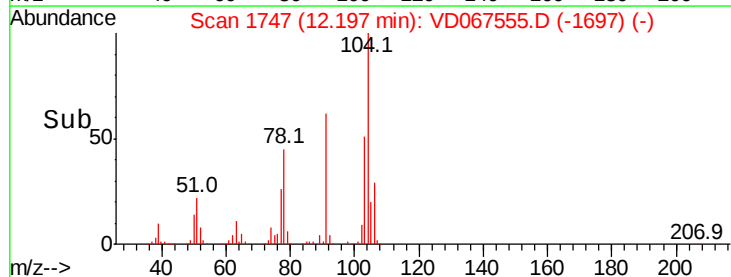
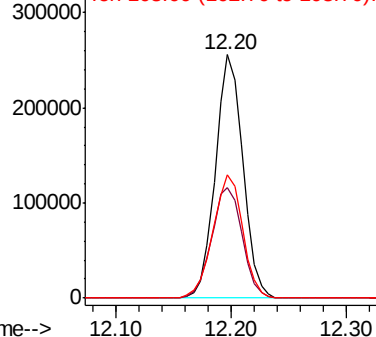


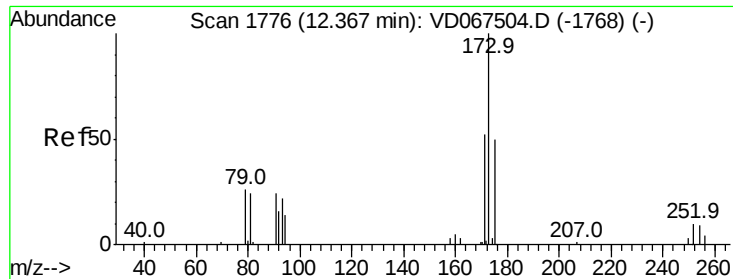
#70
Styrene
Concen: 53.077 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion:104 Resp: 423900
Ion Ratio Lower Upper
104 100
78 50.6 39.8 59.8
103 54.5 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.292 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

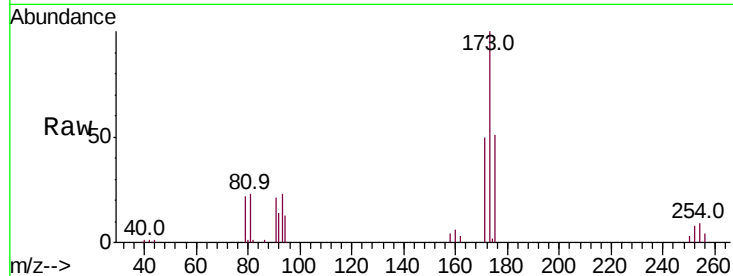
Tot Ion:173 Resp: 82602

Ion Ratio Lower Upper

173 100

175 49.8 24.1 72.2

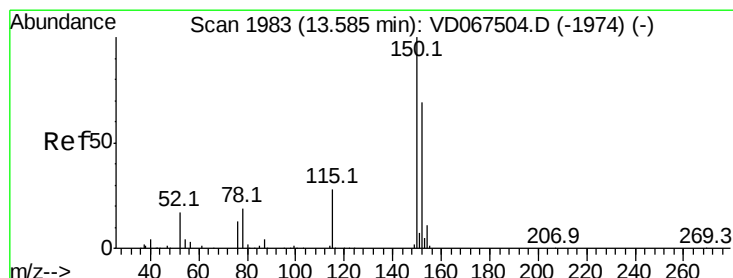
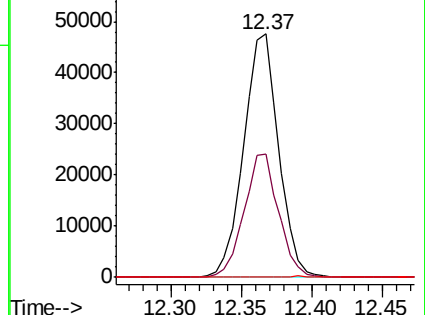
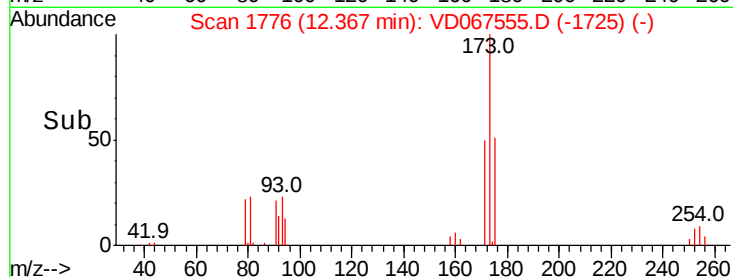
254 0.1 0.0 0.0#



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: VD067555.D

Acq: 09 Nov 2020 10:05

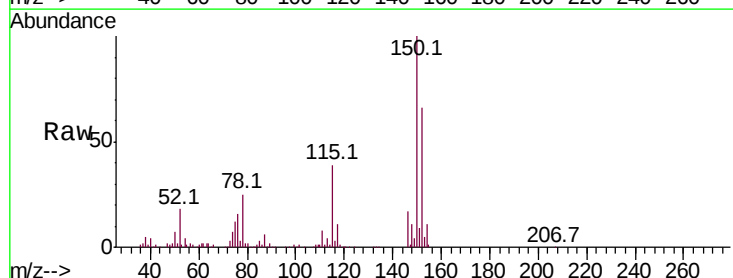
Tgt Ion:152 Resp: 204226

Ion Ratio Lower Upper

152 100

115 58.5 29.3 88.0

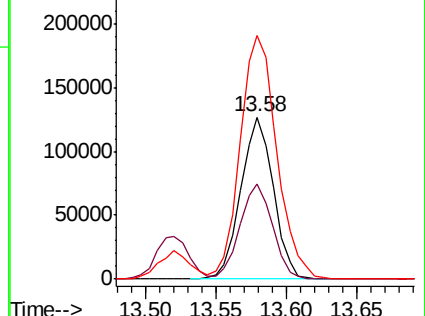
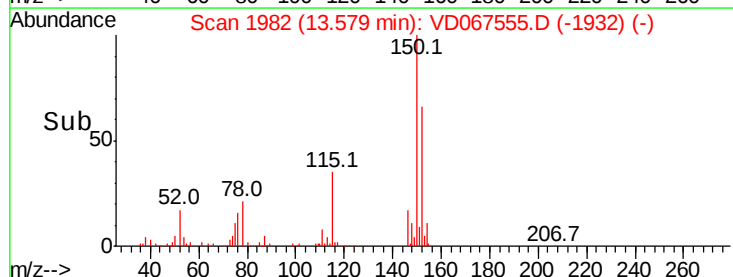
150 168.9 0.0 338.2

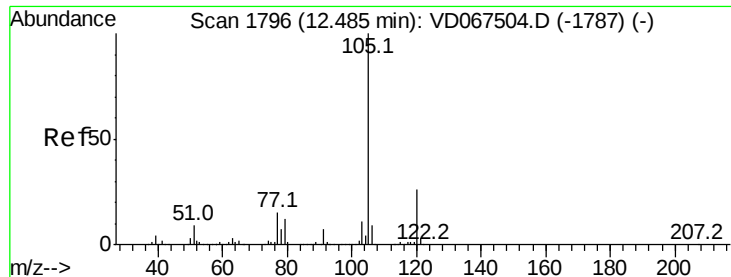


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.383 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

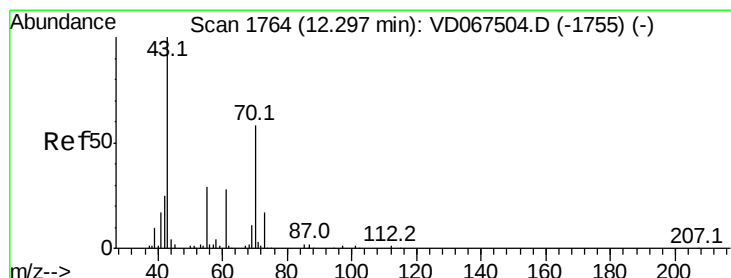
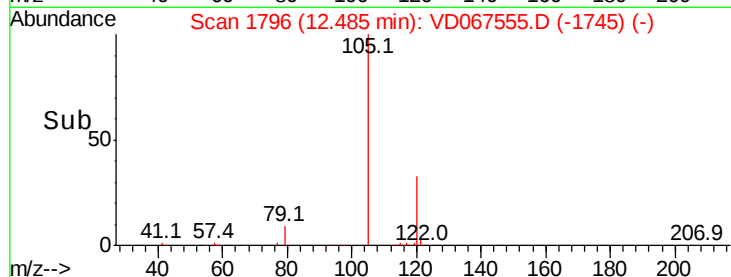
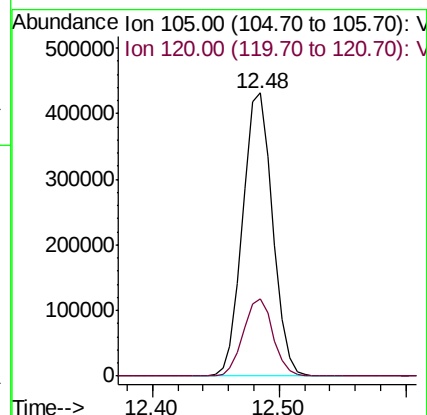
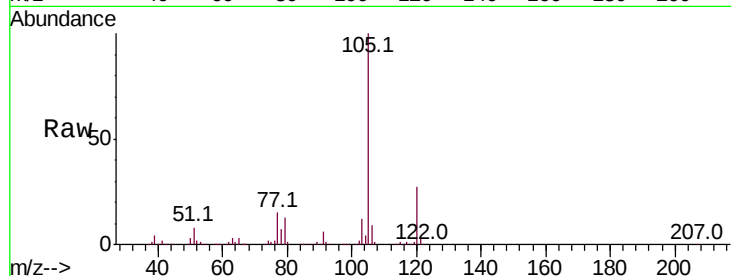
ClientSampleId :

Tot Ion:105 Resp: 704595

Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.6



#74

N-ethyl acetate

Concen: 52.033 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Tgt Ion: 43 Resp: 90369

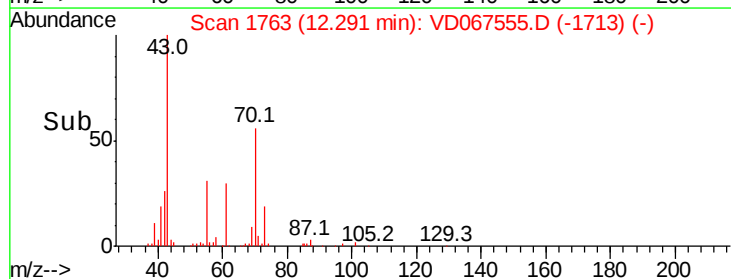
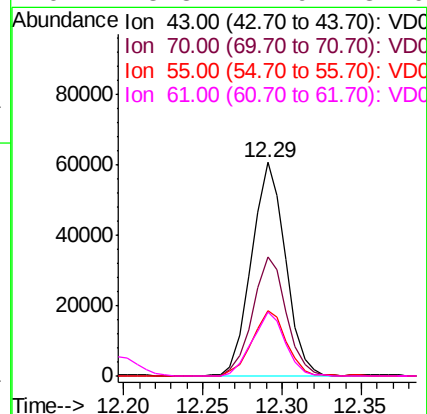
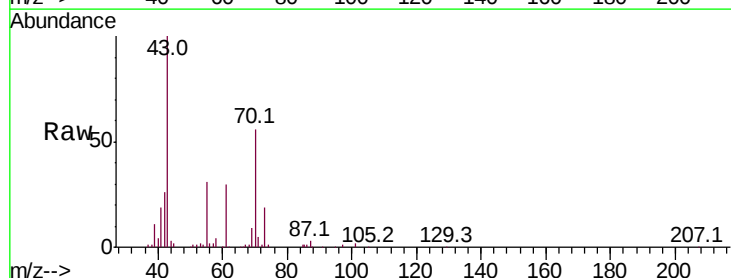
Ion Ratio Lower Upper

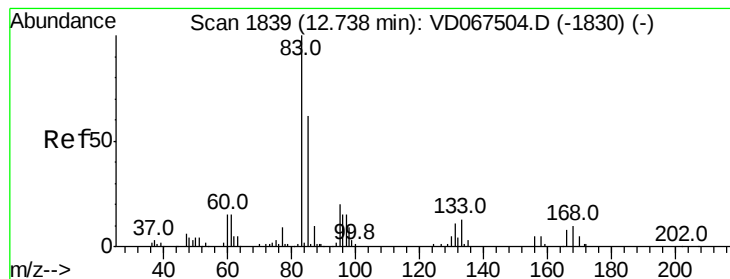
43 100

70 55.5 42.6 64.0

55 30.7 23.7 35.5

61 28.8 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.647 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

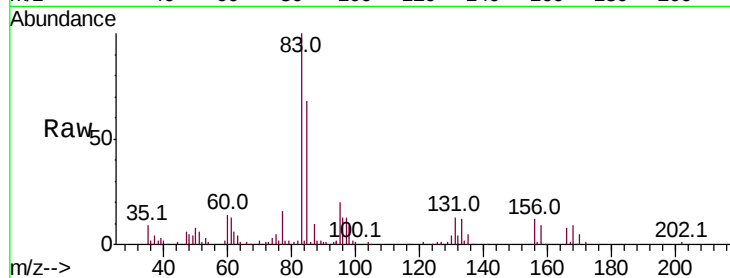
Tot Ion: 83 Resp: 92955

Ion Ratio Lower Upper

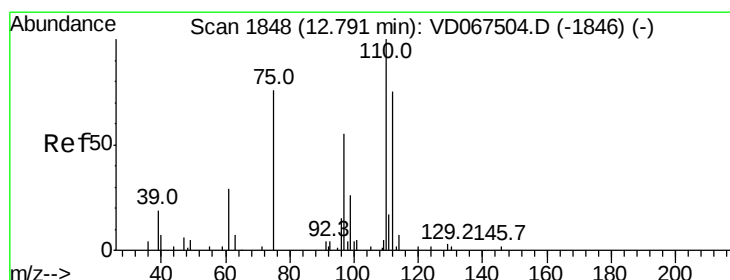
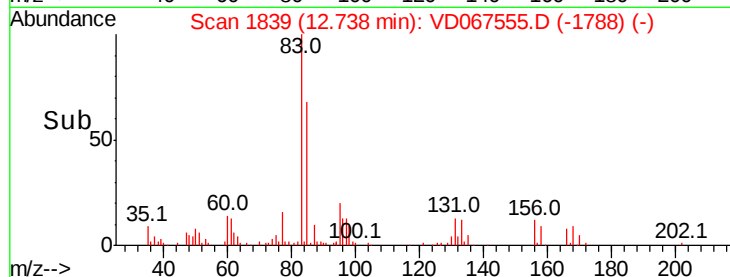
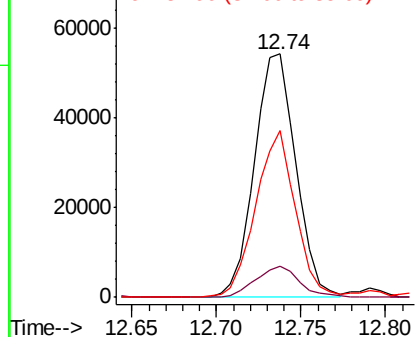
83 100

131 13.4 7.1 21.3

85 65.1 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: 107.208 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067555.D

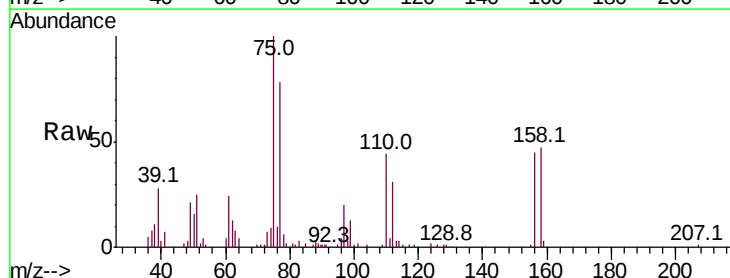
Acq: 09 Nov 2020 10:05

Tgt Ion: 75 Resp: 132081

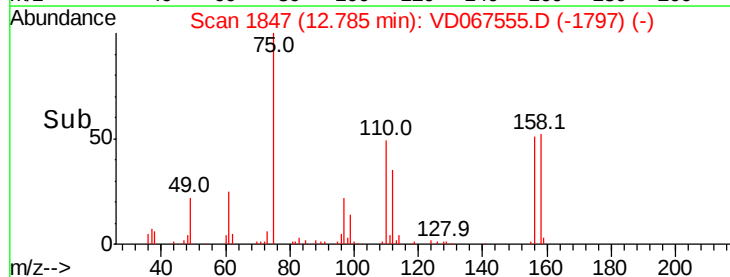
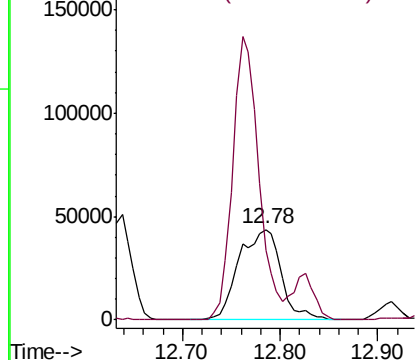
Ion Ratio Lower Upper

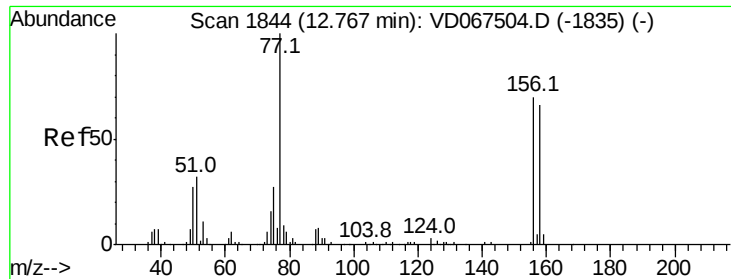
75 100

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: 51.454 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

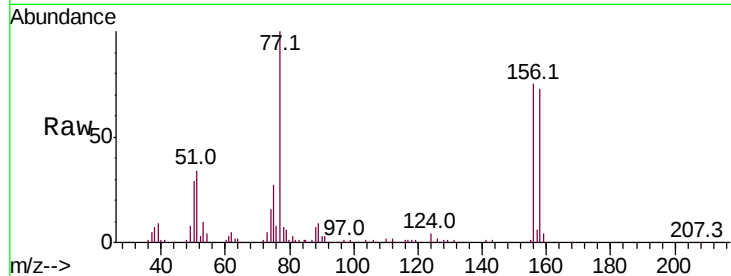
Tot Ion:156 Resp: 166785

Ion Ratio Lower Upper

156 100

77 153.2 77.8 233.5

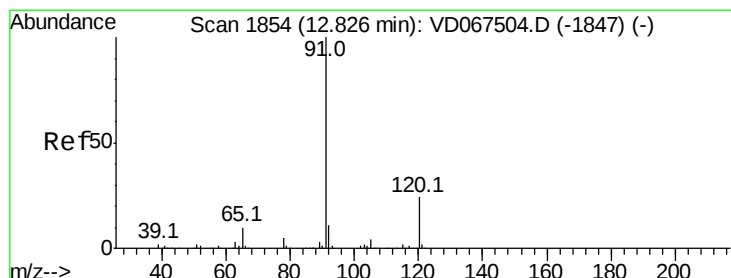
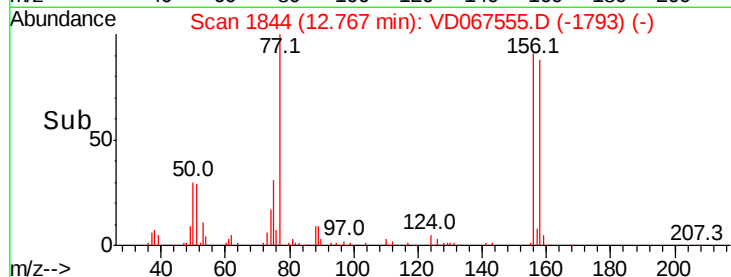
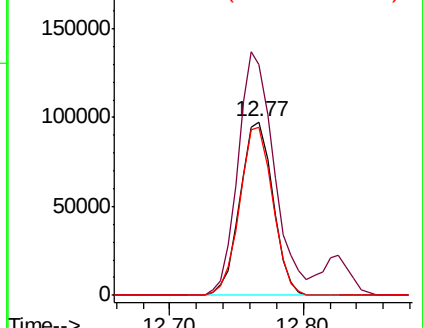
158 97.3 47.9 143.7



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: 53.228 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067555.D

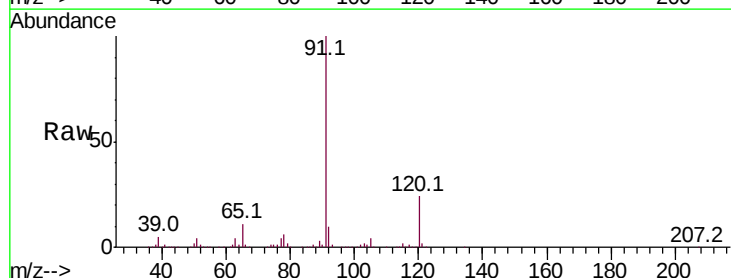
Acq: 09 Nov 2020 10:05

Tgt Ion: 91 Resp: 803592

Ion Ratio Lower Upper

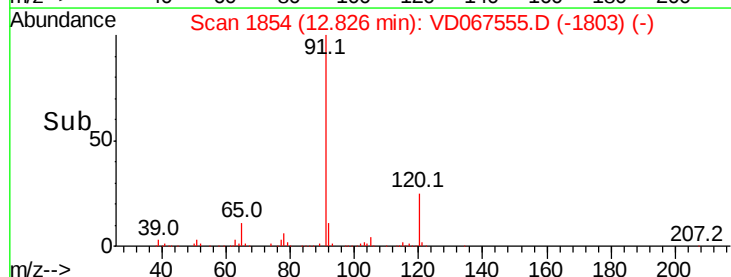
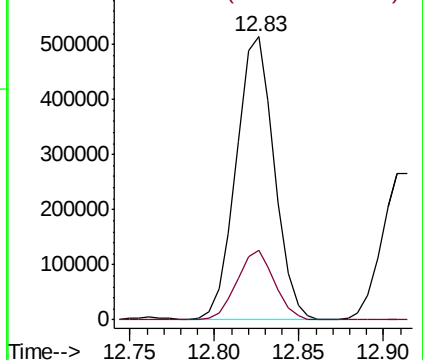
91 100

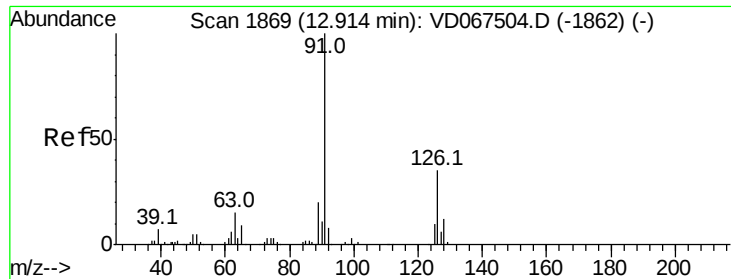
120 24.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.203 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

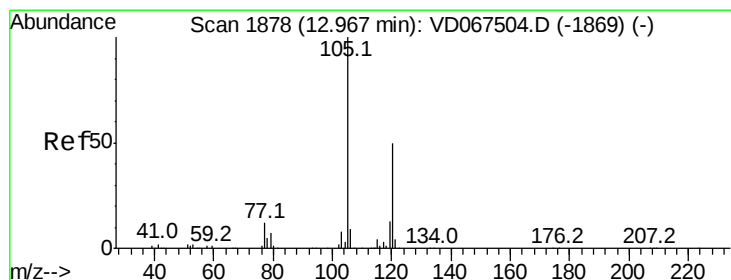
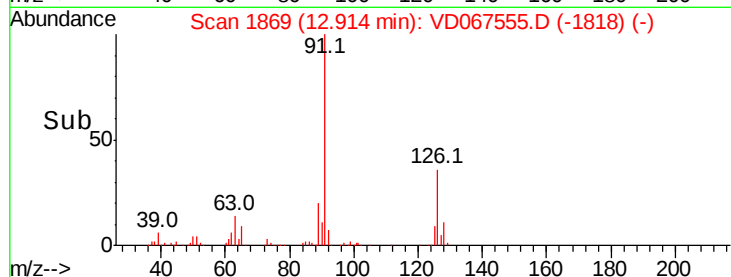
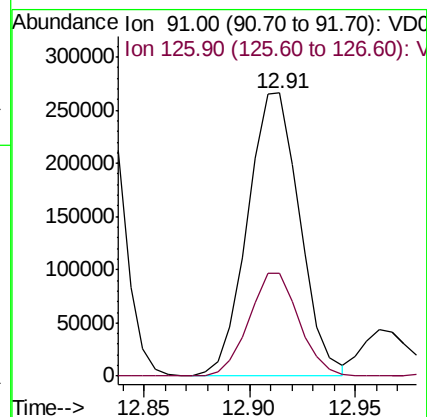
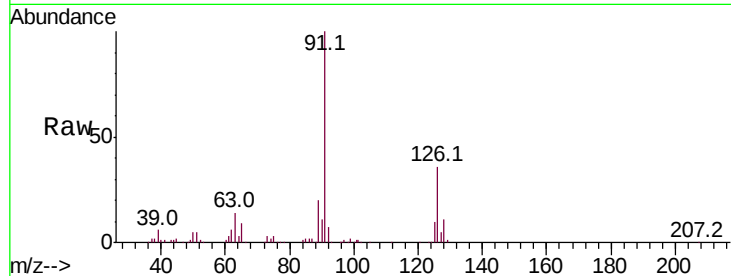
ClientSampleId :

Tot Ion: 91 Resp: 456258

Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 54.020 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067555.D

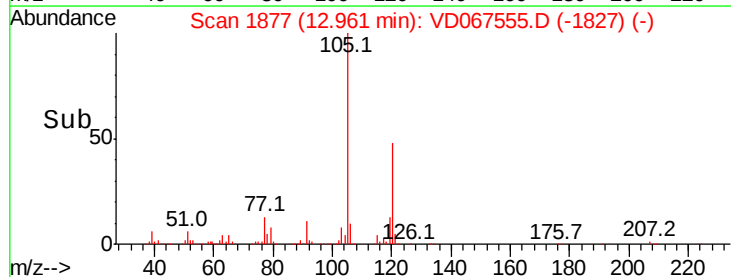
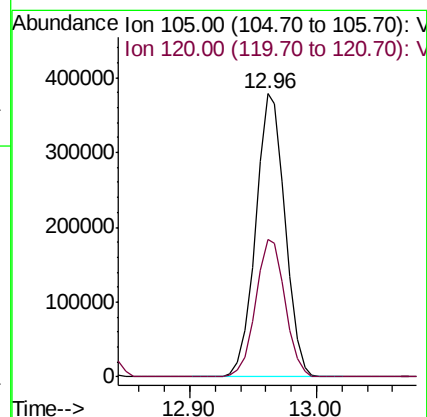
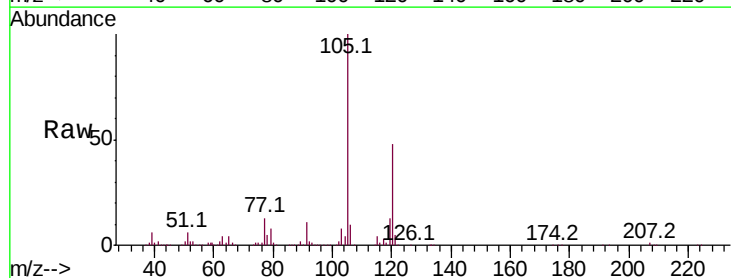
Acq: 09 Nov 2020 10:05

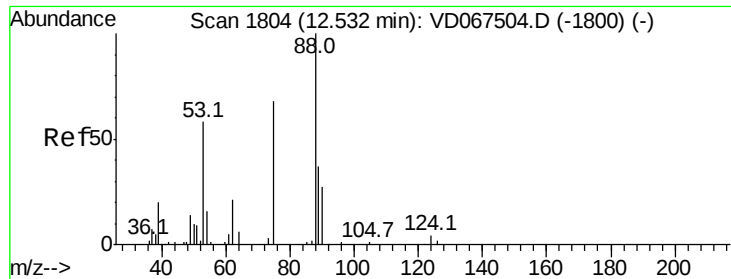
Tgt Ion:105 Resp: 609077

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.216 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

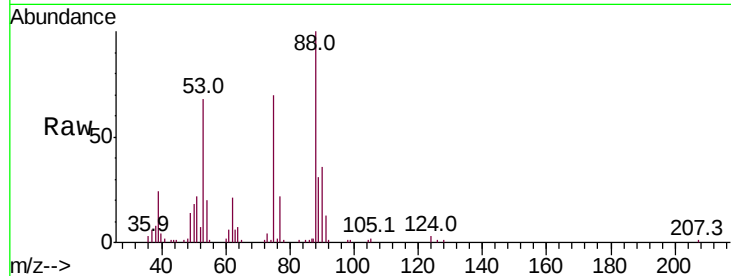
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 31079

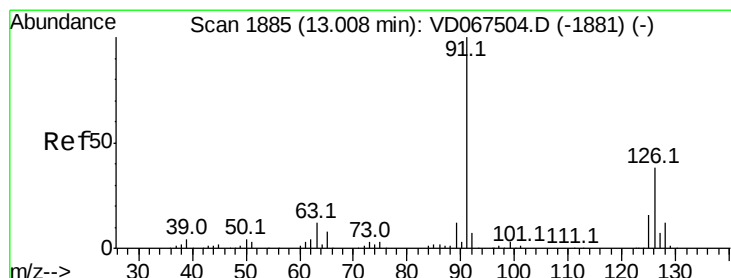
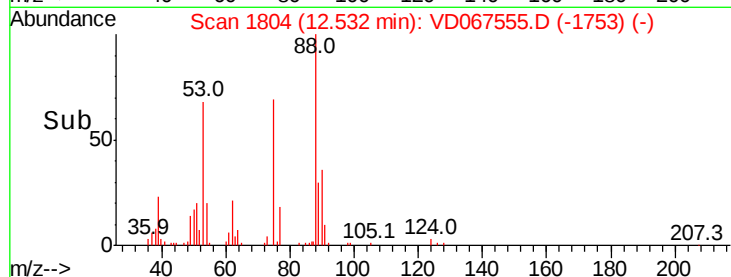
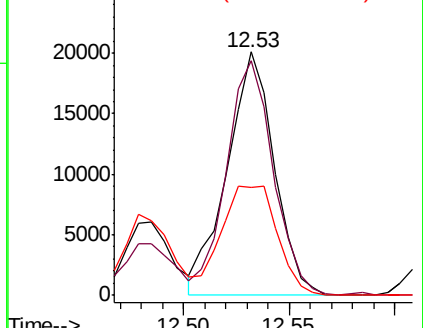
Ion	Ratio	Lower	Upper
75	100		
53	96.4	75.9	113.9
89	53.9	44.6	67.0



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: 52.819 ug/l

RT: 13.01 min Scan# 1885

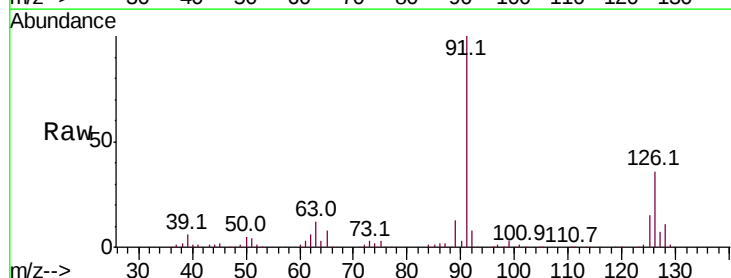
Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

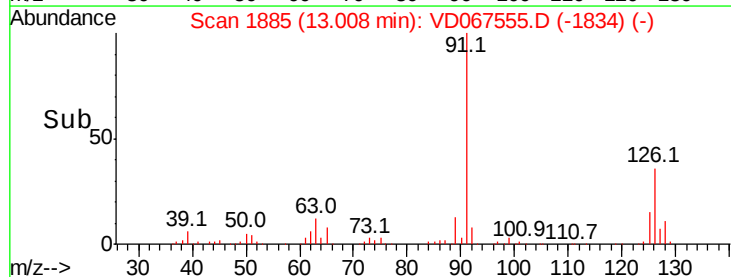
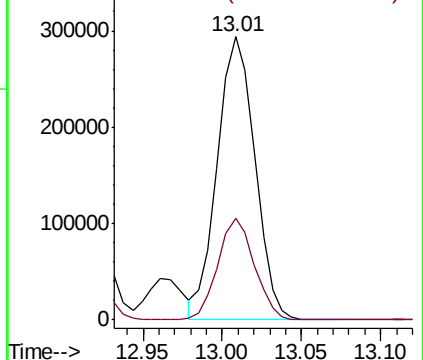
Tgt Ion: 91 Resp: 485809

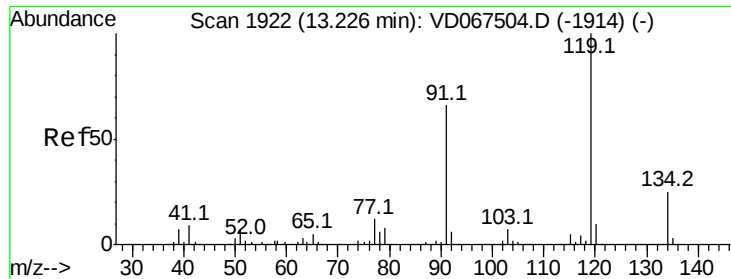
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.9	53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

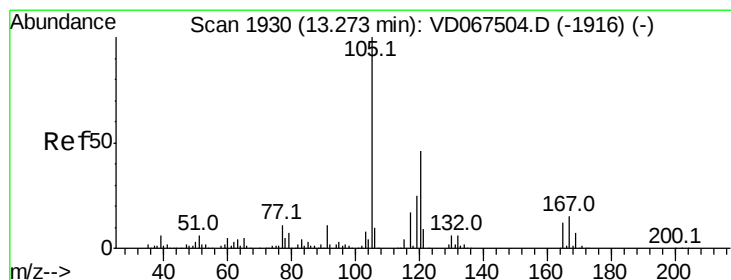
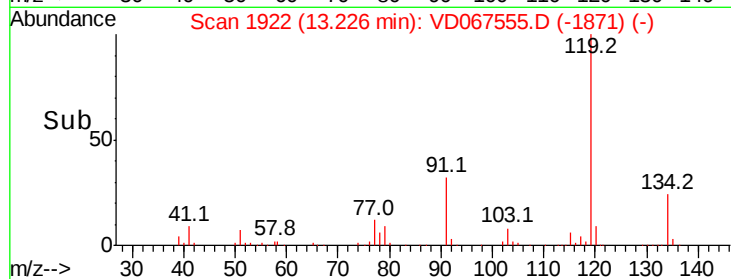
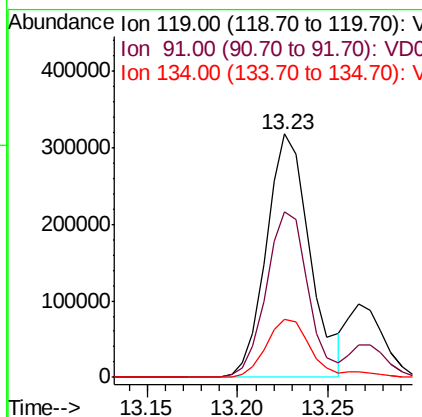
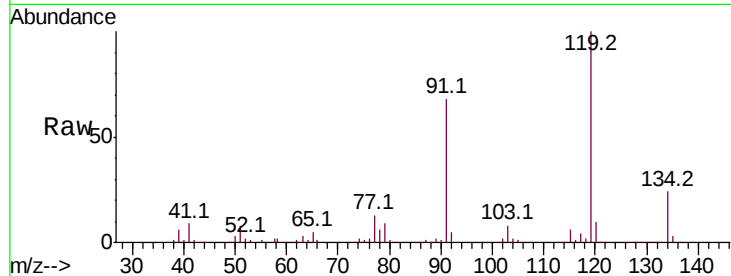




#83
 tert-Butylbenzene
 Concen: 55.688 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

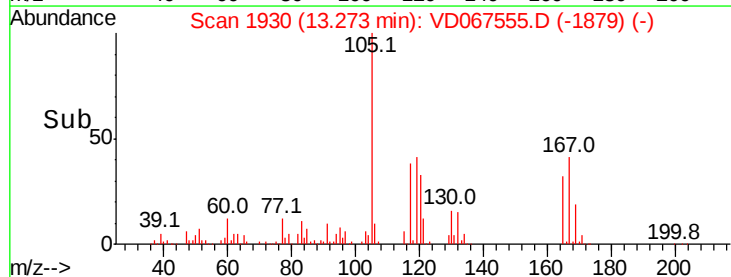
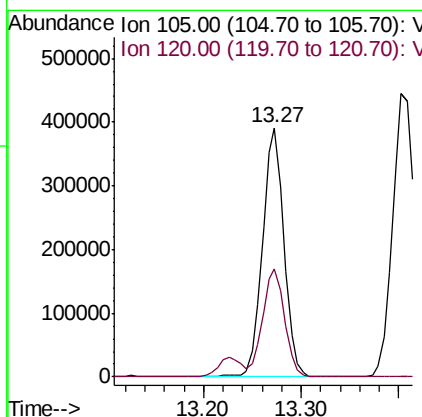
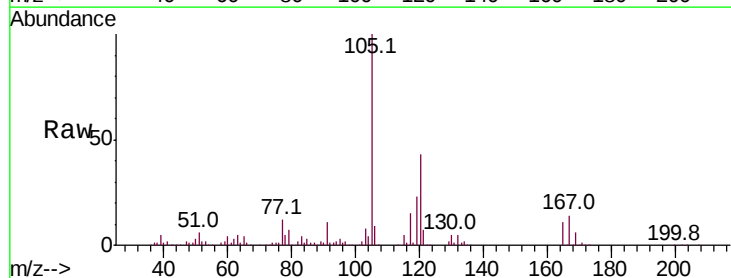
Instrument :
 MSVOA_D
 ClientSampleId :

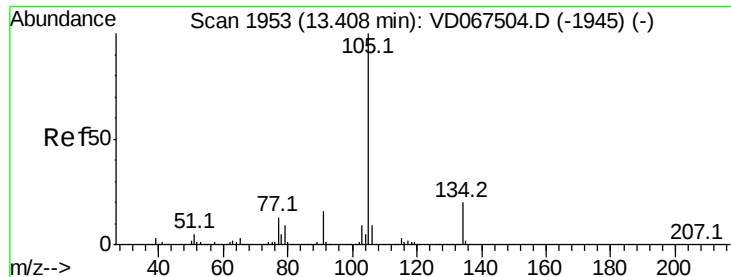
Tot Ion:119 Resp: 532133
 Ion Ratio Lower Upper
 119 100
 91 65.7 32.7 98.1
 134 25.5 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 53.913 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion:105 Resp: 605076
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.1





#85

sec-Butylbenzene

Concen: 54.744 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

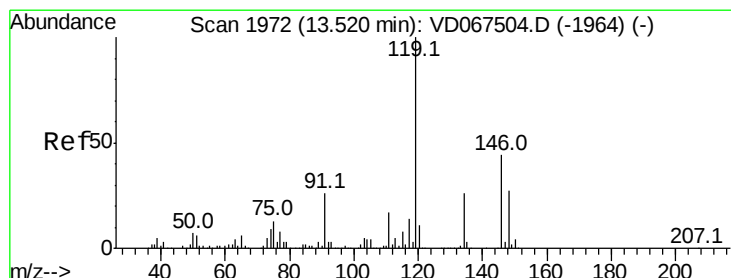
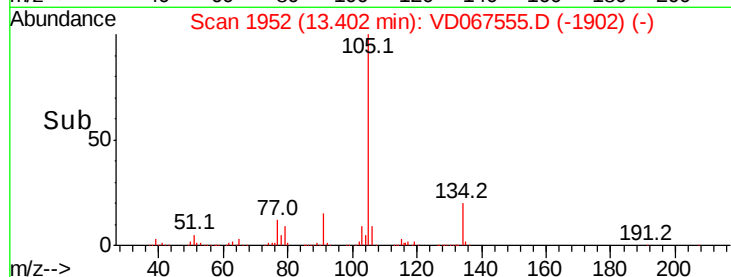
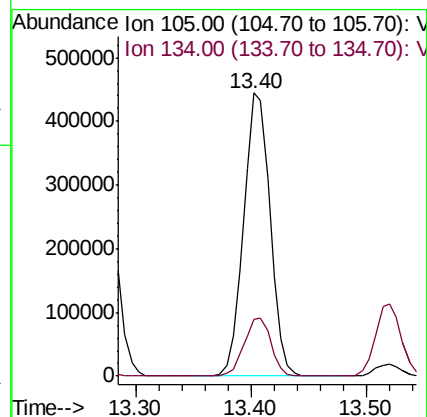
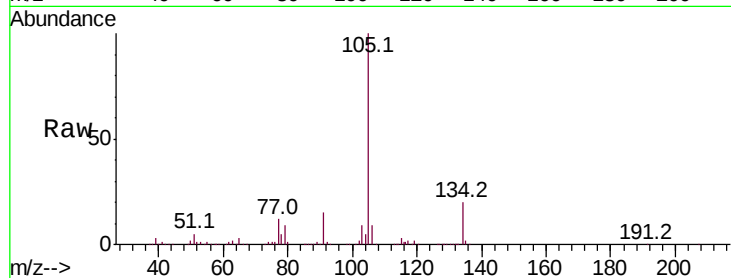
ClientSampled :

Tot Ion:105 Resp: 706182

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.4



#86

p-Isopropyltoluene

Concen: 54.290 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

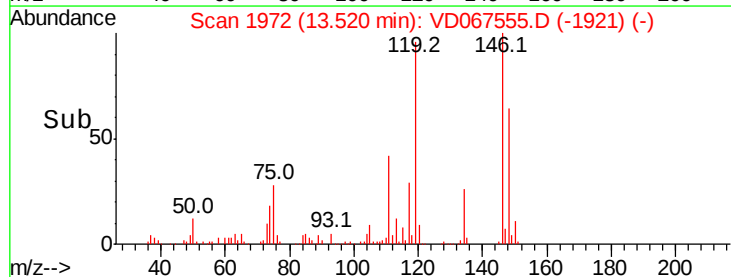
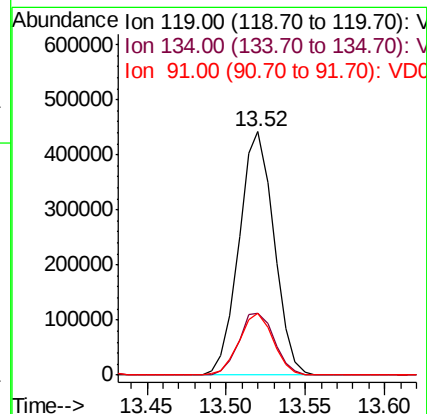
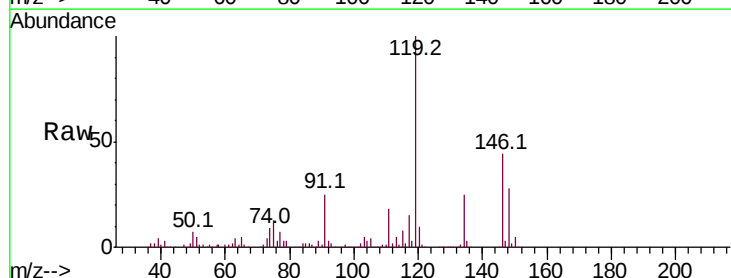
Tgt Ion:119 Resp: 676278

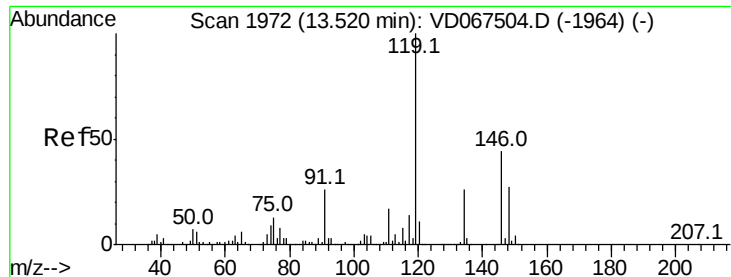
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.9 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 51.524 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

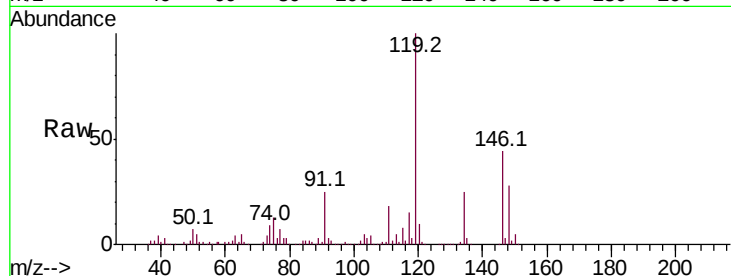
Tot Ion:146 Resp: 318681

Ion Ratio Lower Upper

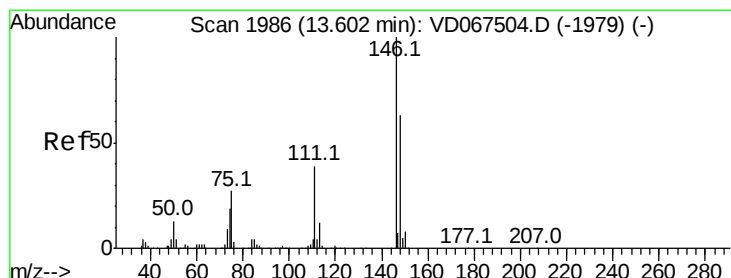
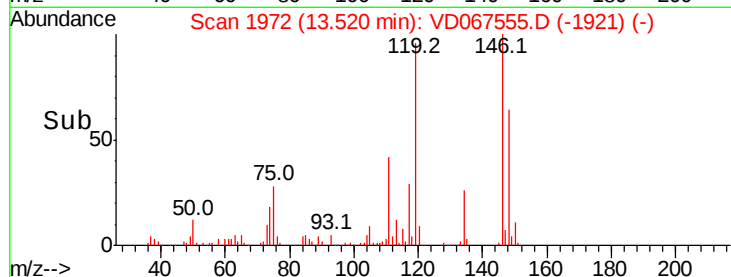
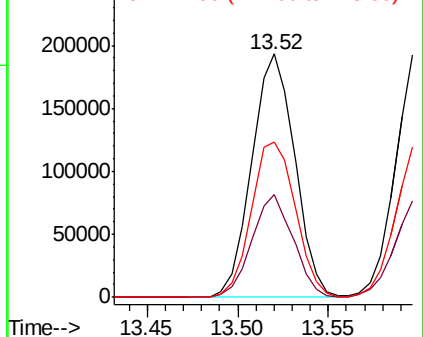
146 100

111 40.7 20.3 60.8

148 65.6 31.9 95.9



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



#88

1,4-Dichlorobenzene

Concen: 50.456 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

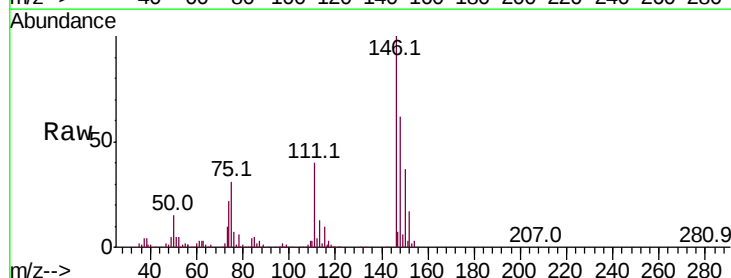
Tgt Ion:146 Resp: 316002

Ion Ratio Lower Upper

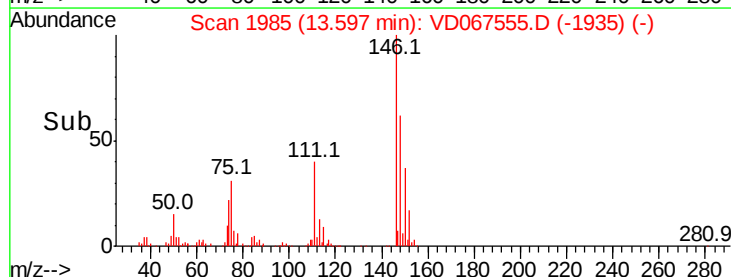
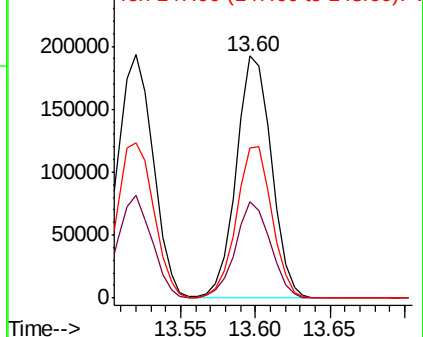
146 100

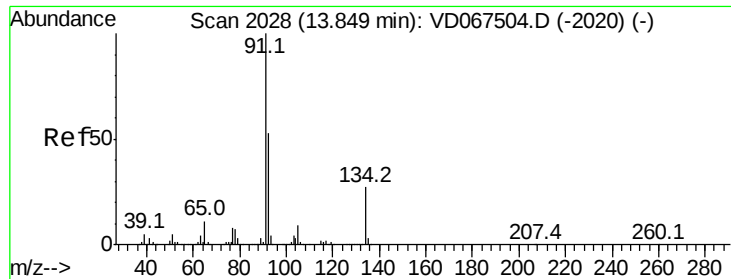
111 39.7 19.6 58.7

148 63.0 31.8 95.4



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

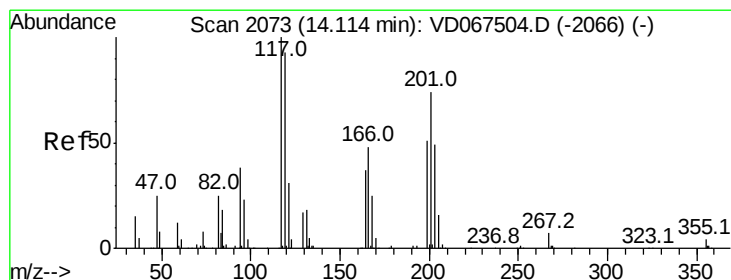
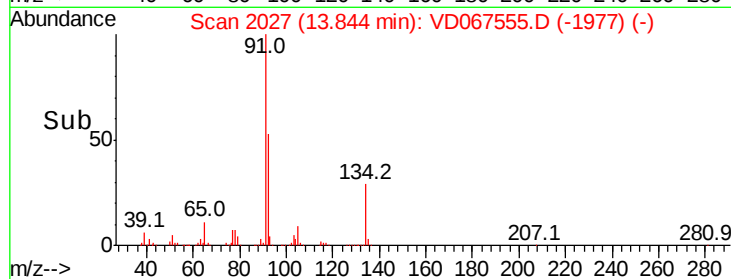
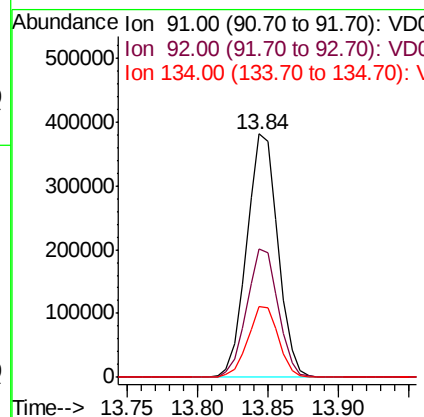
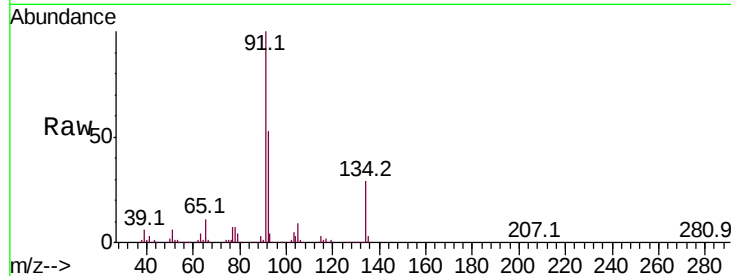




#89
n-Butylbenzene
Concen: 54.851 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

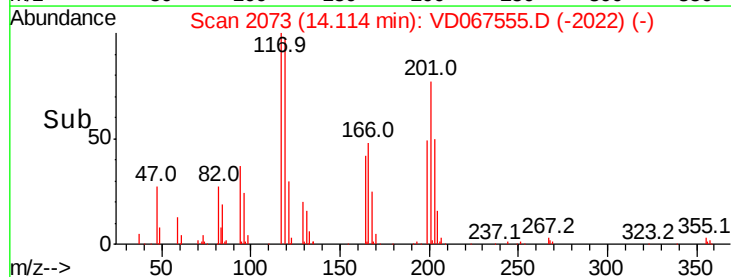
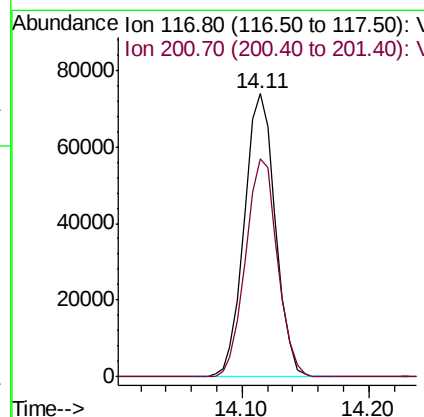
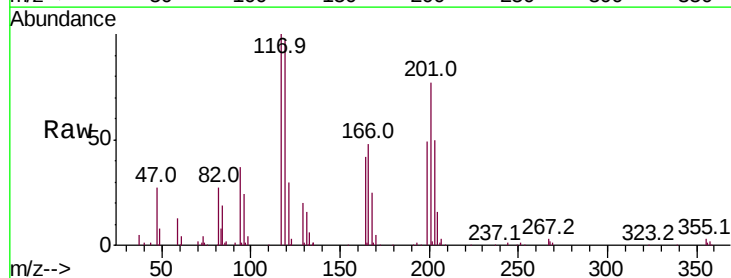
Instrument :
MSVOA_D
ClientSampleId :

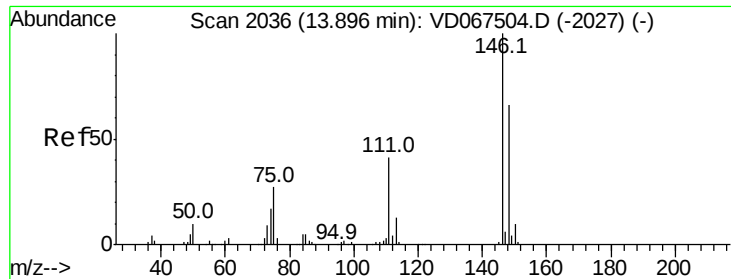
Tot Ion: 91 Resp: 590182
Ion Ratio Lower Upper
91 100
92 53.2 26.6 79.8
134 28.7 14.1 42.2



#90
Hexachloroethane
Concen: 53.437 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion: 117 Resp: 125355
Ion Ratio Lower Upper
117 100
201 79.4 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 51.505 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

Instrument :

MSVOA_D

ClientSampled :

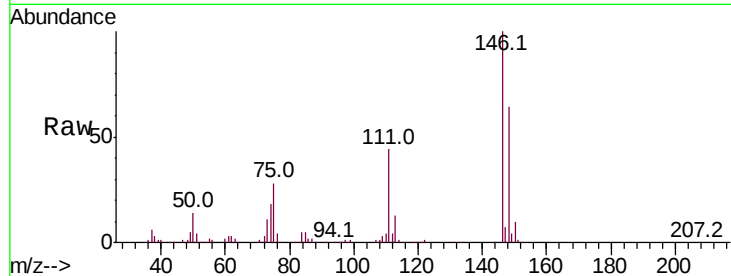
Tot Ion:146 Resp: 275710

Ion Ratio Lower Upper

146 100

111 41.7 20.7 62.1

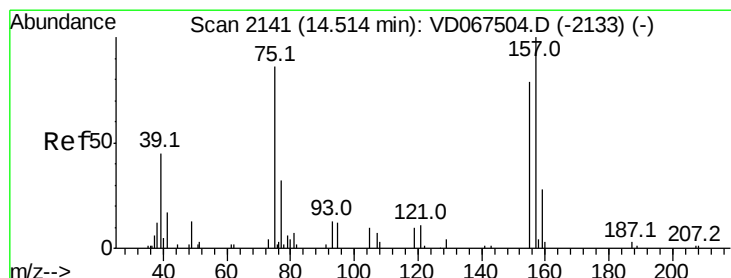
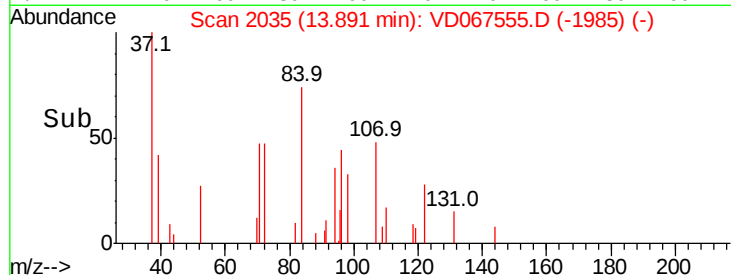
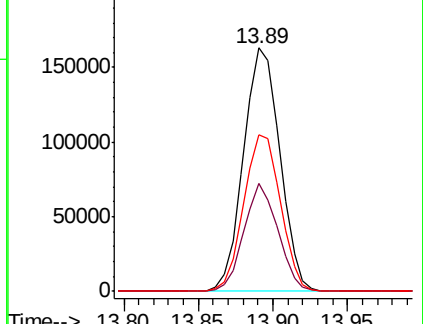
148 64.9 31.5 94.5



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: 54.032 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067555.D

Acq: 09 Nov 2020 10:05

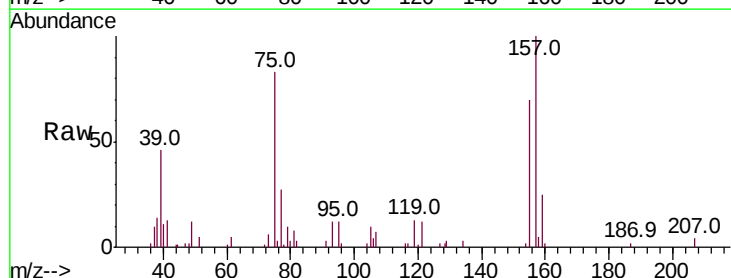
Tgt Ion: 75 Resp: 17218

Ion Ratio Lower Upper

75 100

155 91.8 46.6 139.8

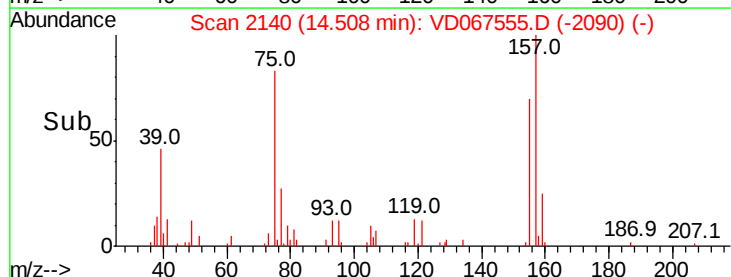
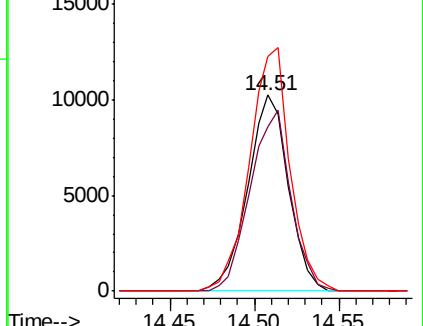
157 123.2 58.1 174.2

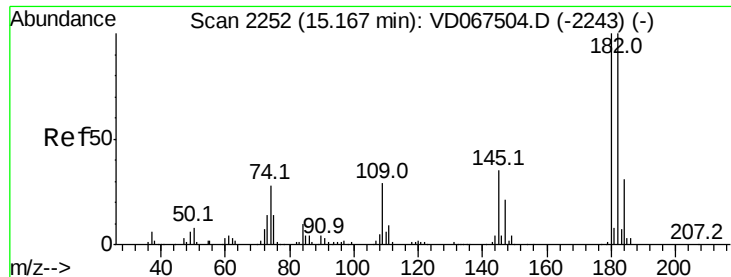


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

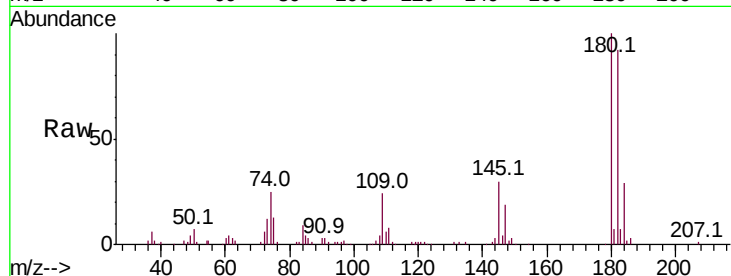




#93
 1,2,4-Trichlorobenzene
 Concen: 54.656 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.4	142.3
145	31.4	16.2	48.6

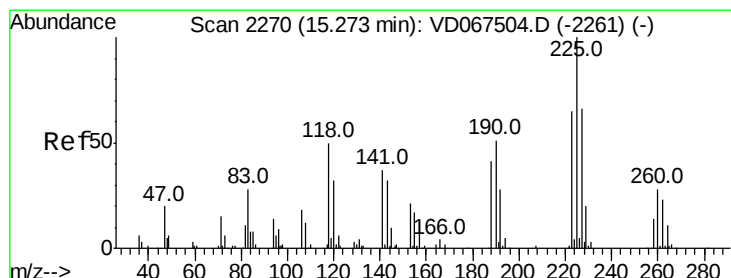
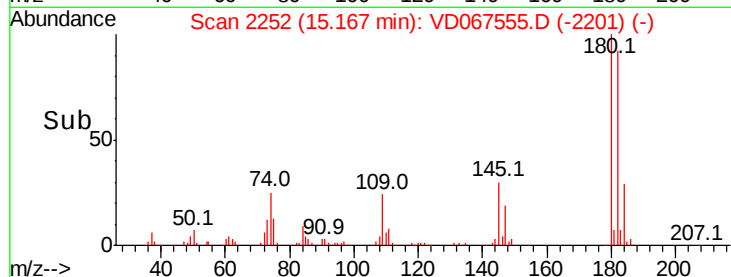
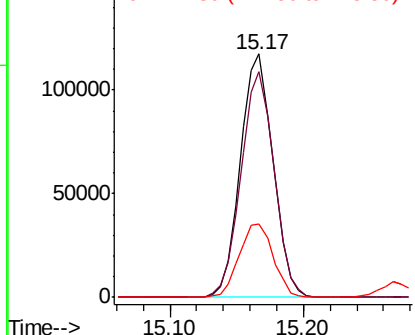


Abundance

Ion 179.80 (179.50 to 180.50): V

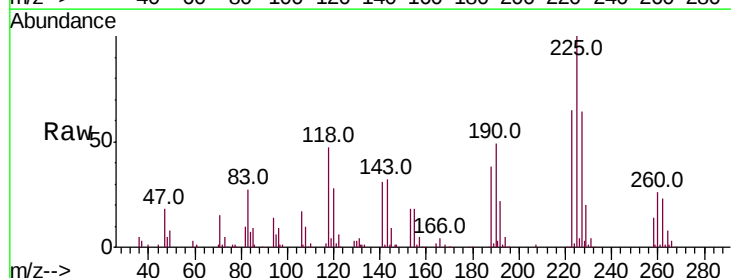
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.107 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067555.D
 Acq: 09 Nov 2020 10:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.9	95.5
227	66.6	32.5	97.4

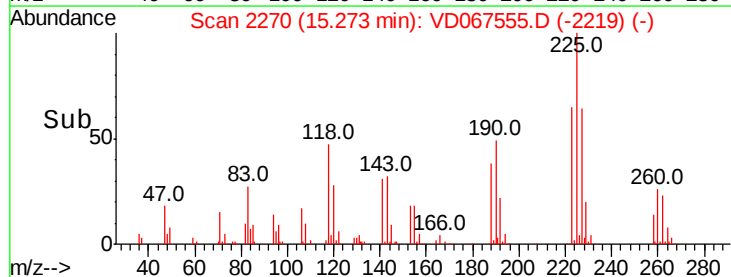
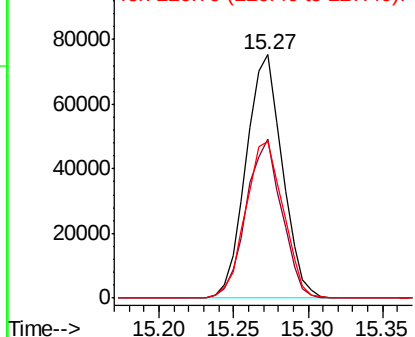


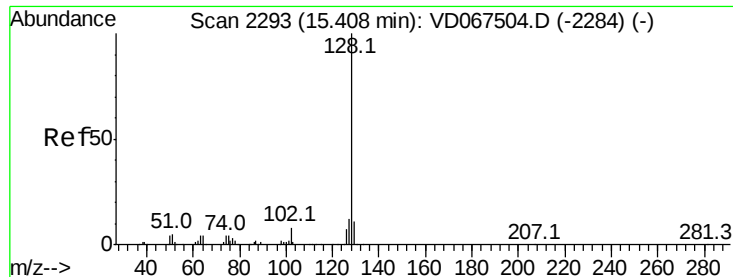
Abundance

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

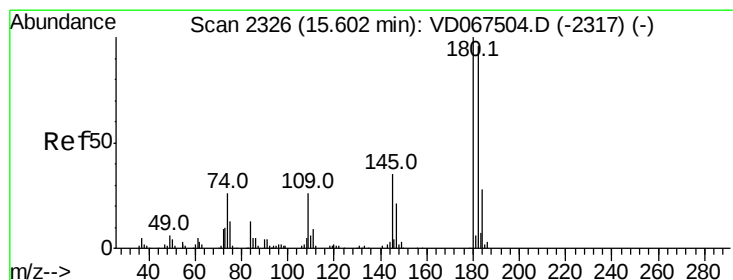
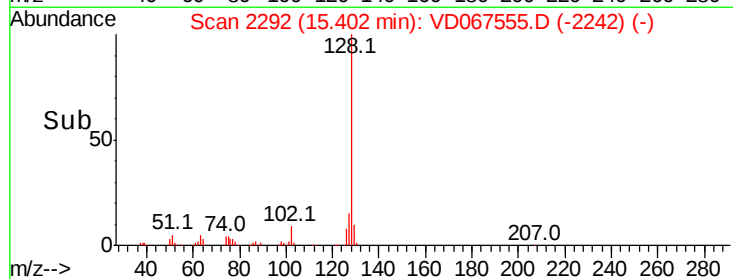
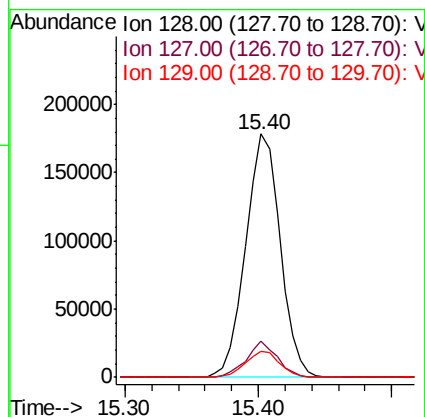
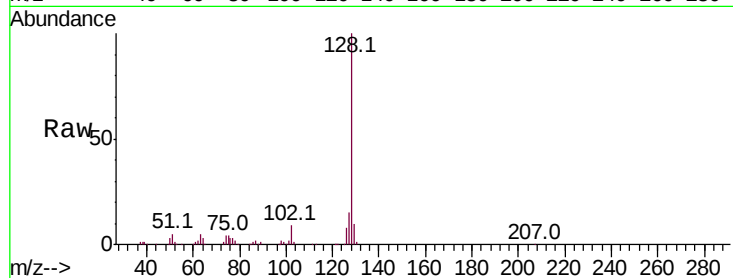




#95
Naphthalene
Concen: 56.812 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 318542
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 10.6 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 54.233 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067555.D
Acq: 09 Nov 2020 10:05

Tgt Ion:180 Resp: 168731
Ion Ratio Lower Upper
180 100
182 93.2 46.9 140.8
145 33.0 17.1 51.2

