

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060122\
 Data File : VD073450.D
 Acq On : 01 Jun 2022 16:17
 Operator : VA/SY
 Sample : N3099-04
 Misc : 4.72G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20220429-AMENDED-COMPOSITE-I

Quant Time: Jun 02 04:10:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

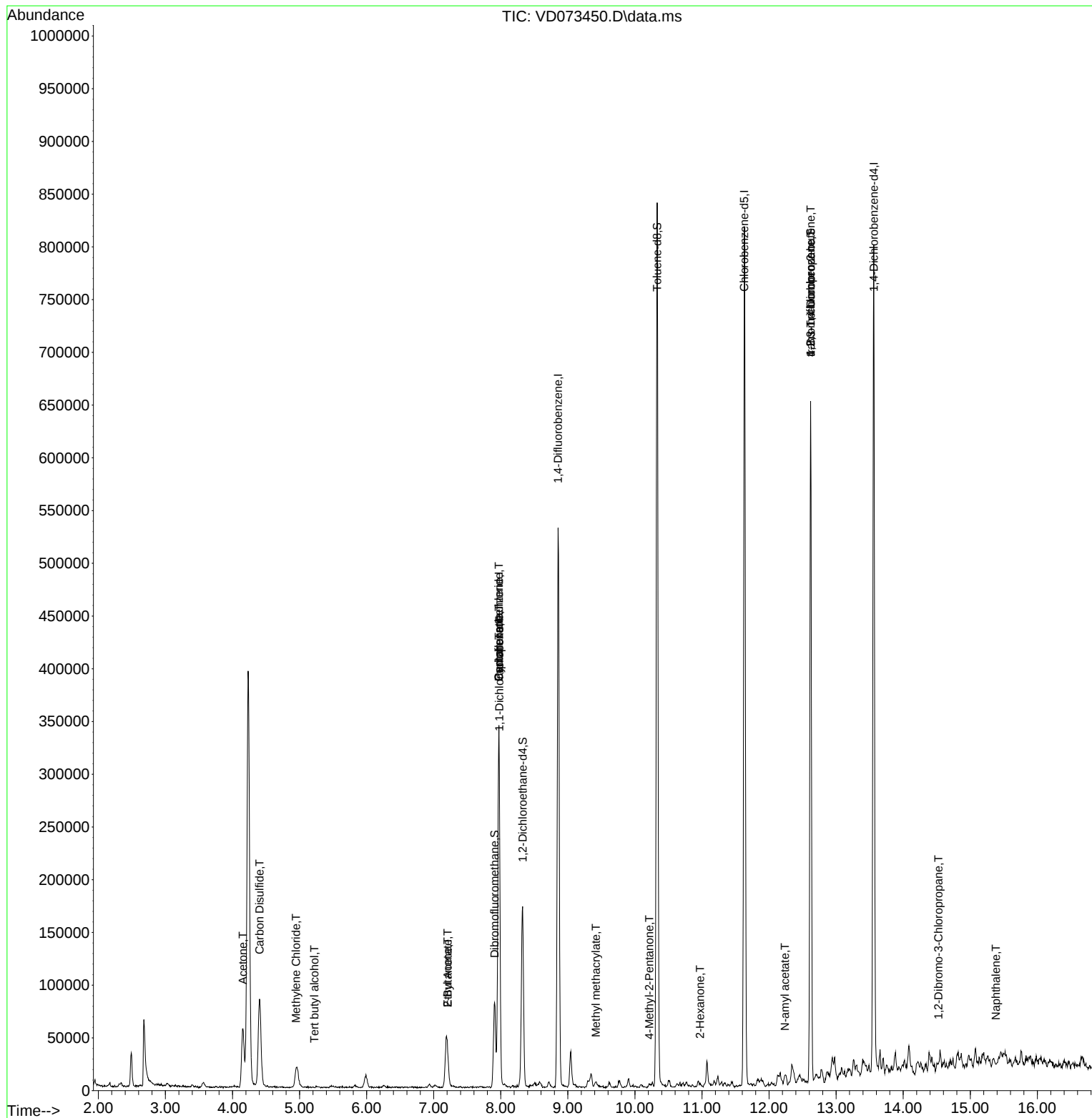
Internal Standards						
1) Pentafluorobenzene	7.973	168	243125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	450940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	480524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	216094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	135675	50.495	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.000%
35) Dibromofluoromethane	7.908	113	61061	20.521	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	41.040%#
50) Toluene-d8	10.332	98	563405	51.364	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.720%
62) 4-Bromofluorobenzene	12.620	95	214546	55.735	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	111.460%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	502	Below Cal	#	78
11) Tert butyl alcohol	5.220	59	624	1.497	ug/l #	74
13) Acrolein	3.926	56	81	Below Cal		96
16) Acetone	4.156	43	97863	210.280	ug/l #	81
17) Carbon Disulfide	4.403	76	181012	22.348	ug/l	99
20) Methylene Chloride	4.950	84	16291	1.658	ug/l #	70
25) 2-Butanone	7.208	43	21585	31.701	ug/l	98
31) Cyclohexane	7.973	56	6673	1.421	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	19590	4.377	ug/l #	50
37) Ethyl Acetate	7.208	43	21585	12.211	ug/l #	83
38) Carbon Tetrachloride	7.973	117	25869	5.702	ug/l #	18
48) Methyl methacrylate	9.420	41	1867	1.136	ug/l #	48
51) 4-Methyl-2-Pentanone	10.214	43	2103	1.239	ug/l	100
59) 2-Hexanone	10.973	43	1756	1.570	ug/l	86
74) N-amyl acetate	12.238	43	5299	1.577	ug/l #	68
76) 1,2,3-Trichloropropane	12.620	75	106895	50.416	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	106895	121.034	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.526	75	511	1.174	ug/l #	6
95) Naphthalene	15.384	128	2334	3.848	ug/l #	77

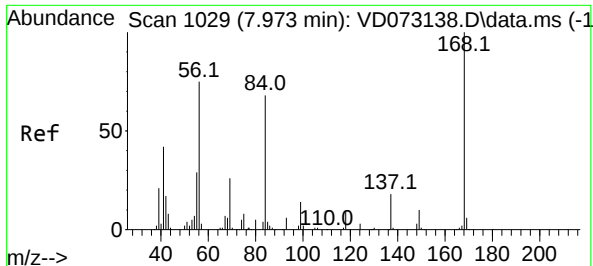
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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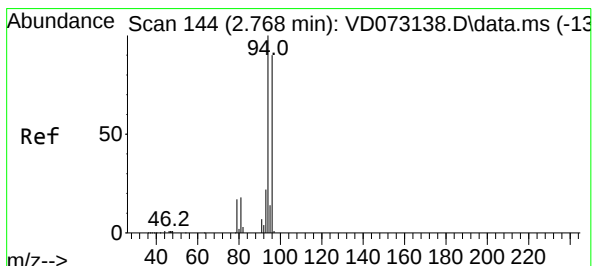
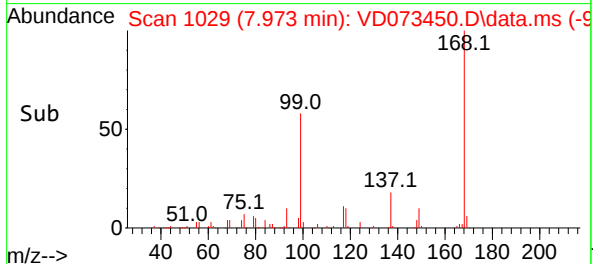
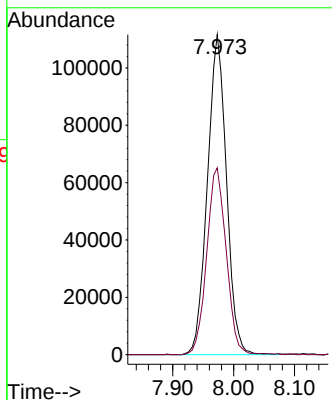
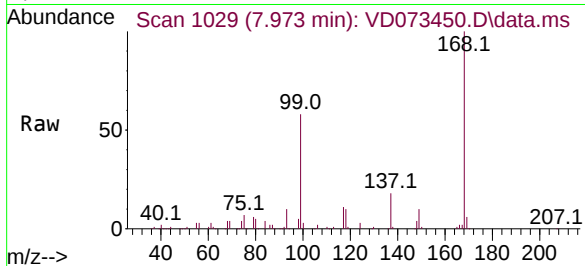




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

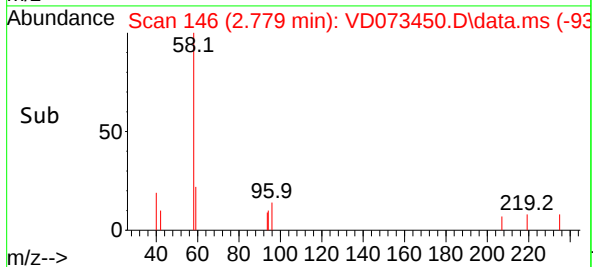
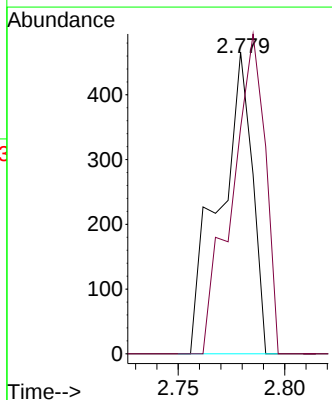
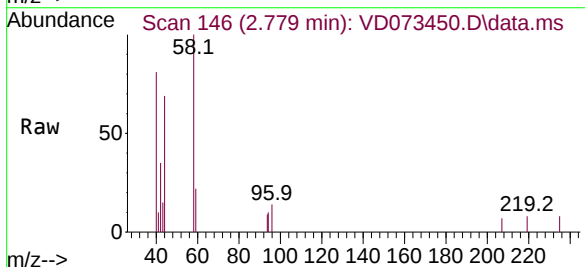
Instrument :
MSVOA_D
ClientSampleId :
20220429-AMENDED-COMPOSITE-I

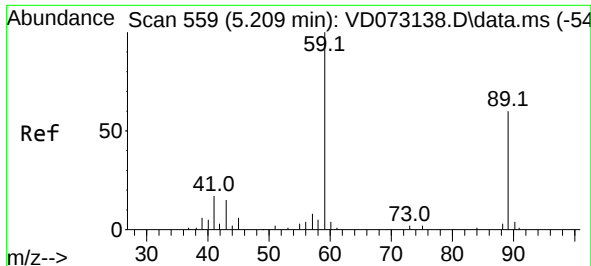
Tgt Ion:168 Resp: 243125
Ion Ratio Lower Upper
168 100
99 58.4 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

Tgt Ion: 94 Resp: 502
Ion Ratio Lower Upper
94 100
96 74.9 77.6 116.4#





#11

Tert butyl alcohol

Concen: 1.497 ug/l

RT: 5.220 min Scan# 5

Delta R.T. 0.011 min

Lab File: VD073450.D

Acq: 01 Jun 2022 16:17

Instrument :

MSVOA_D

ClientSampleId :

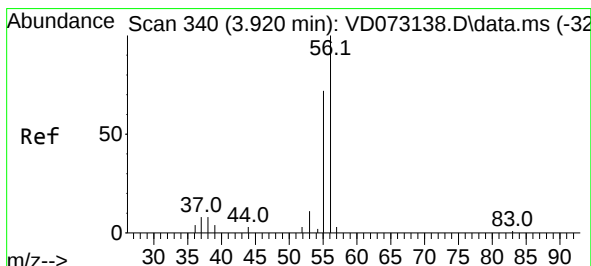
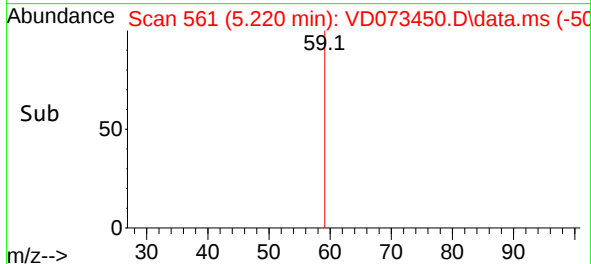
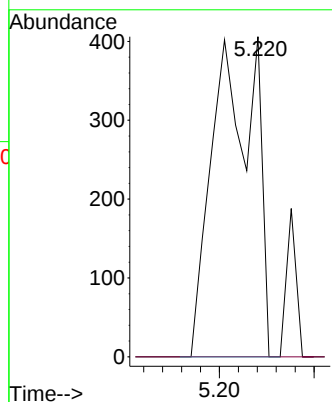
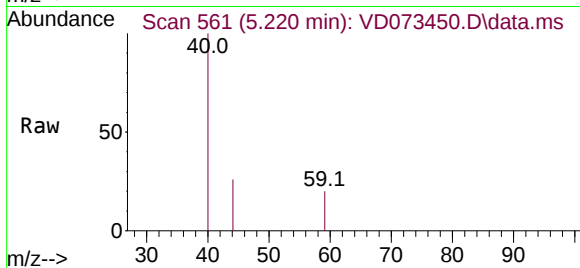
20220429-AMENDED-COMPOSITE-I

Tgt Ion: 59 Resp: 624

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#13

Acrolein

Concen: Below Cal

RT: 3.926 min Scan# 341

Delta R.T. 0.006 min

Lab File: VD073450.D

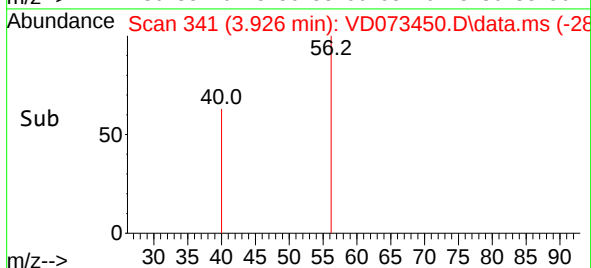
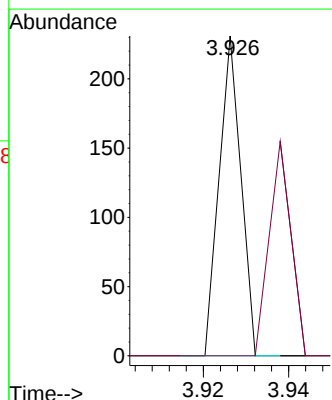
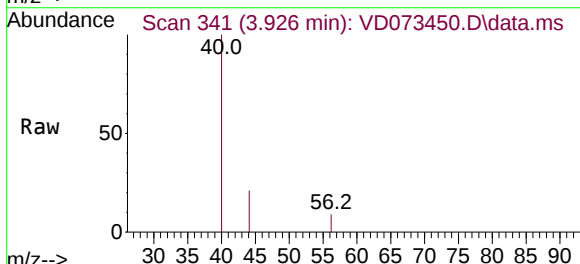
Acq: 01 Jun 2022 16:17

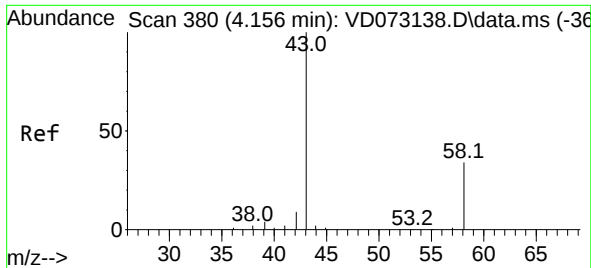
Tgt Ion: 56 Resp: 81

Ion Ratio Lower Upper

56 100

55 67.9 57.1 85.7

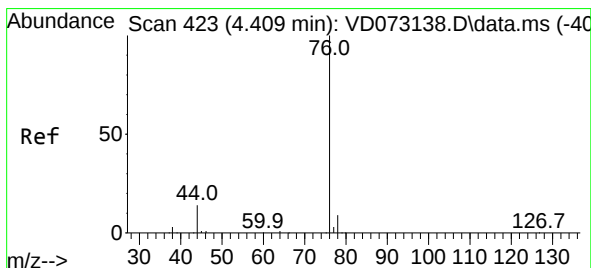
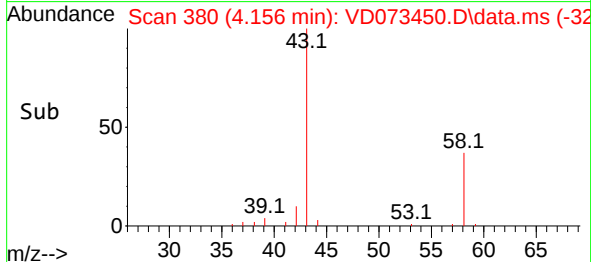
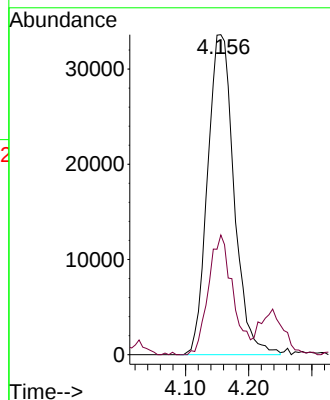
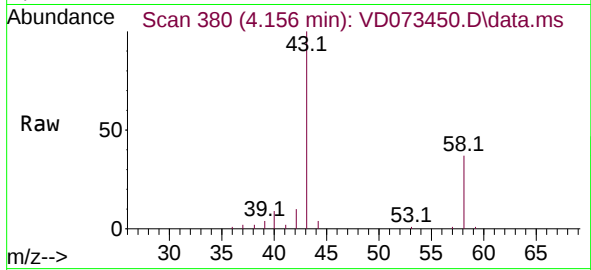




#16
Acetone
Concen: 210.280 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

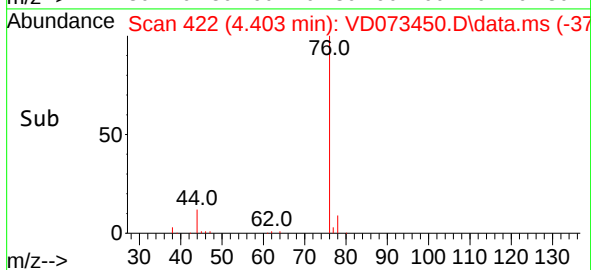
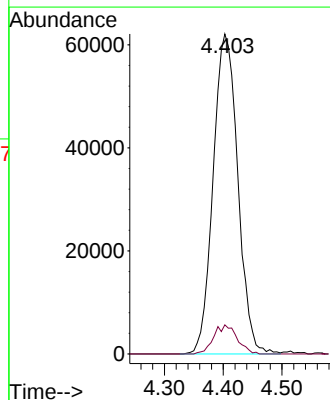
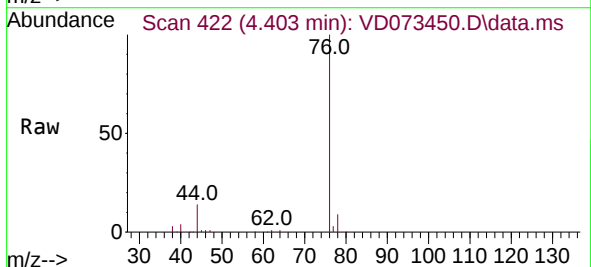
Instrument : MSVOA_D
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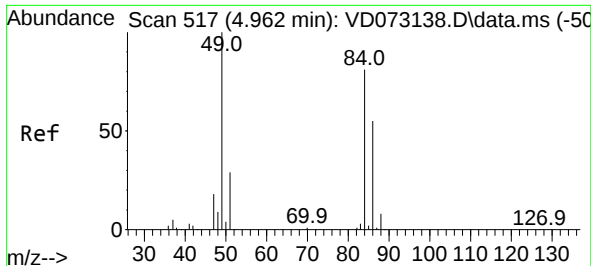
Tgt Ion: 43 Resp: 97863
Ion Ratio Lower Upper
43 100
58 37.4 22.1 33.1#



#17
Carbon Disulfide
Concen: 22.348 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

Tgt Ion: 76 Resp: 181012
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3

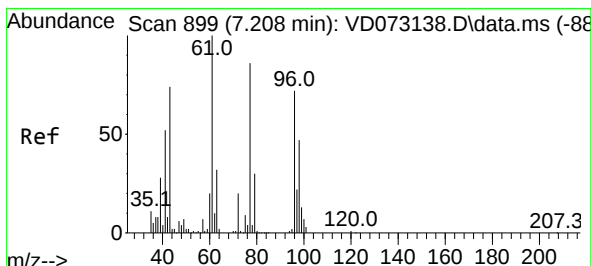
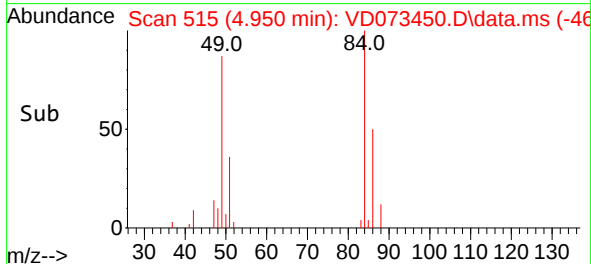
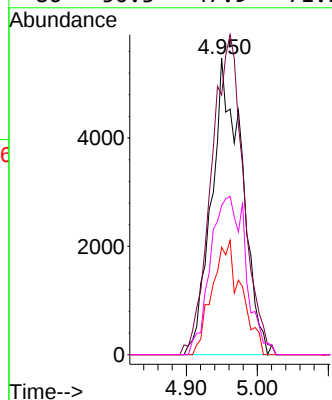
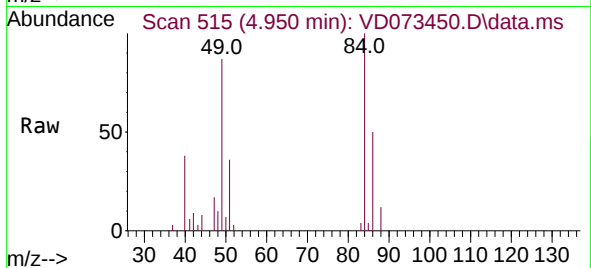




#20
Methylene Chloride
Concen: 1.658 ug/l
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

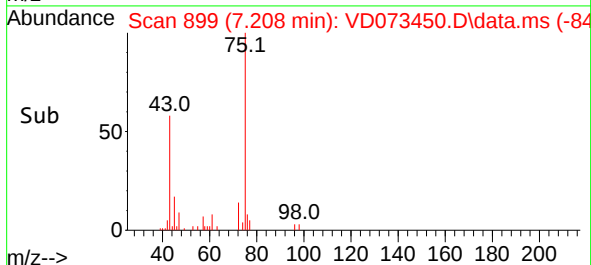
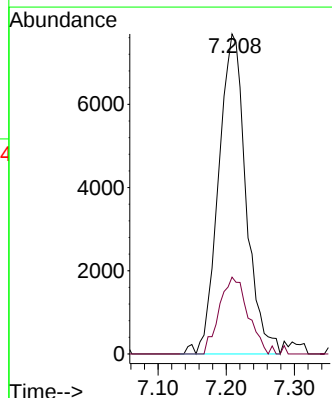
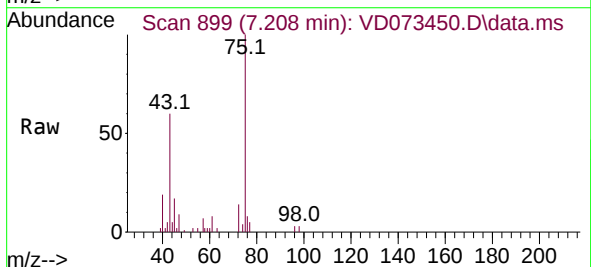
Instrument : MSVOA_D
ClientSampleId : 20220429-AMENDED-COMPOSITE-I

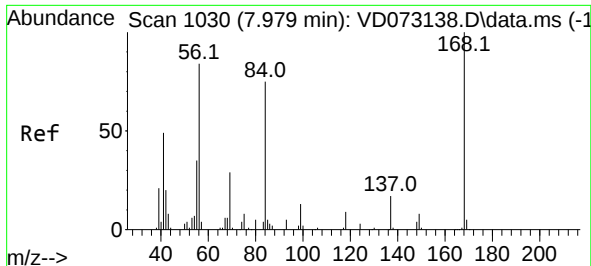
Tgt Ion:	84	Resp:	16291
Ion	Ratio	Lower	Upper
84	100		
49	87.5	112.8	169.2#
51	36.2	32.6	48.8
86	50.3	47.9	71.9



#25
2-Butanone
Concen: 31.701 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

Tgt Ion:	43	Resp:	21585
Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.6	27.8

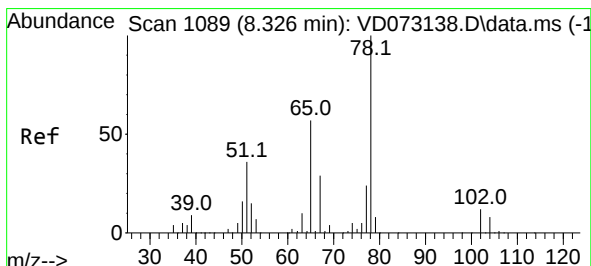
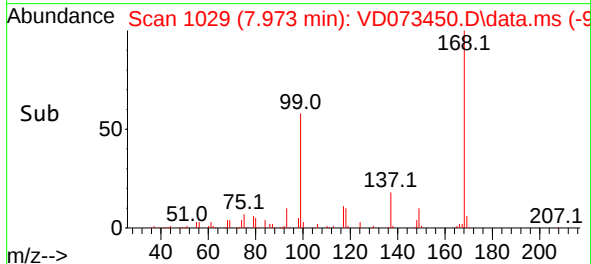
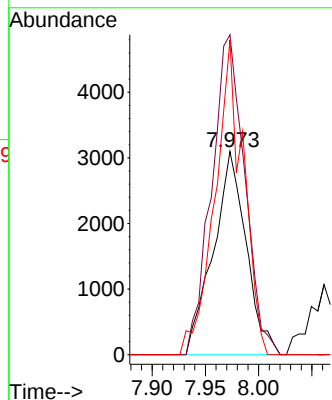
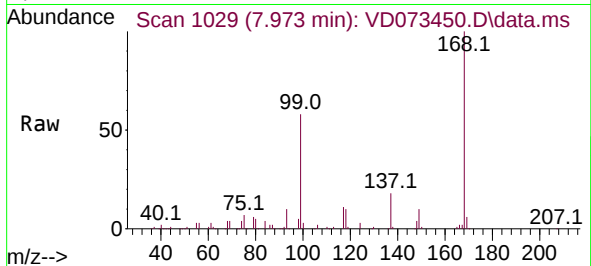




#31
Cyclohexane
Concen: 1.421 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

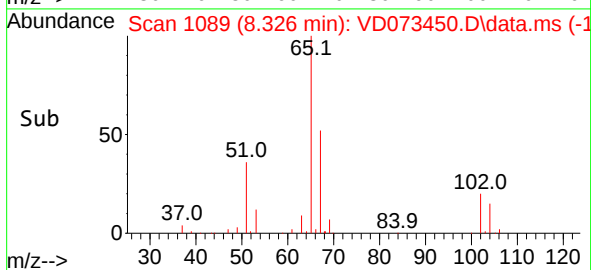
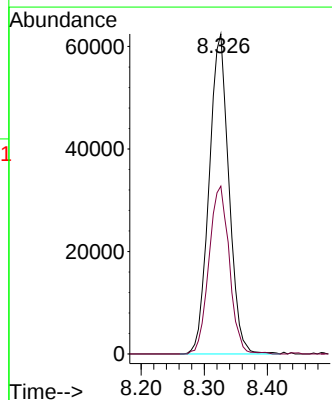
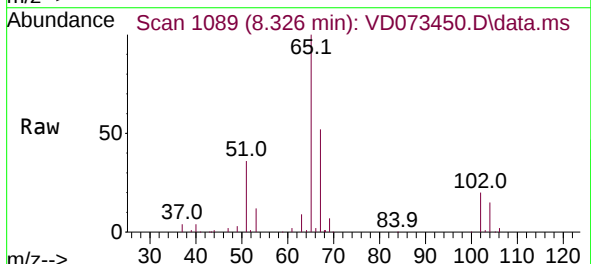
Instrument :
MSVOA_D
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20220429-AMENDED-COMPOSITE-I

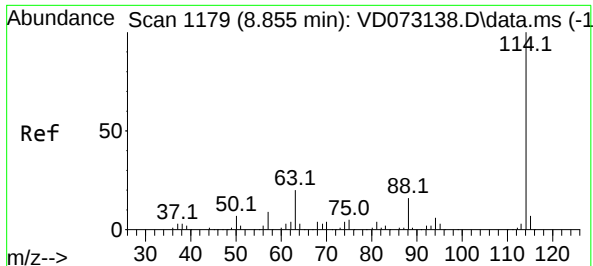
Tgt Ion: 56 Resp: 6673
Ion Ratio Lower Upper
56 100
69 157.5 25.4 38.2#
84 154.8 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 50.495 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

Tgt Ion: 65 Resp: 135675
Ion Ratio Lower Upper
65 100
67 54.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073450.D

Acq: 01 Jun 2022 16:17

Instrument :

MSVOA_D

ClientSampleId :

20220429-AMENDED-COMPOSITE-I

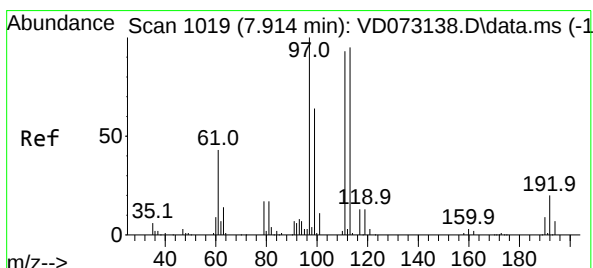
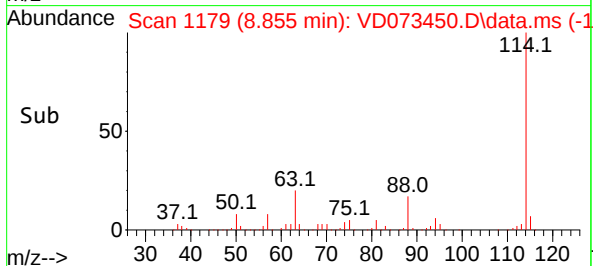
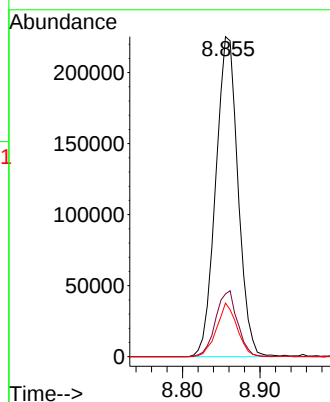
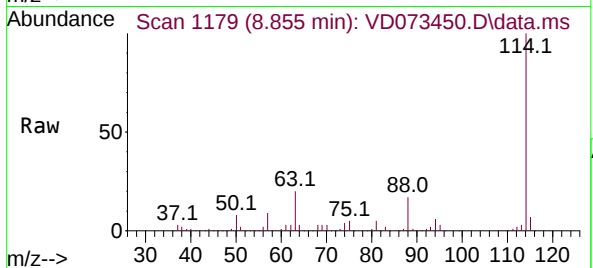
Tgt Ion:114 Resp: 450940

Ion Ratio Lower Upper

114 100

63 19.6 0.0 46.6

88 16.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 20.521 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073450.D

Acq: 01 Jun 2022 16:17

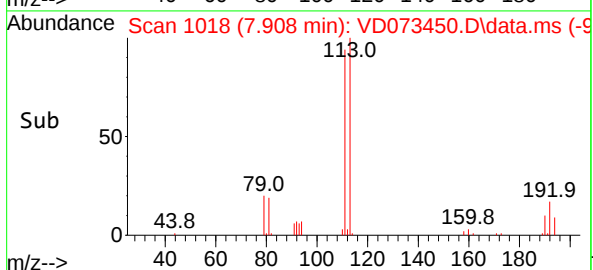
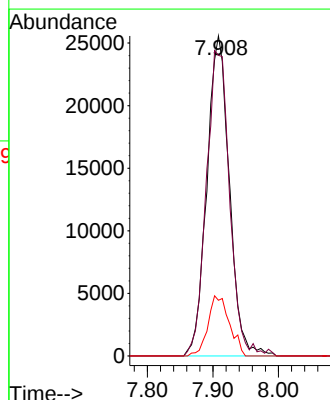
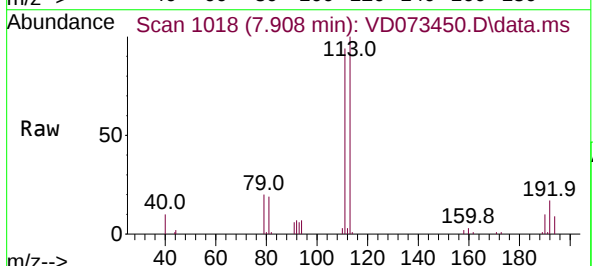
Tgt Ion:113 Resp: 61061

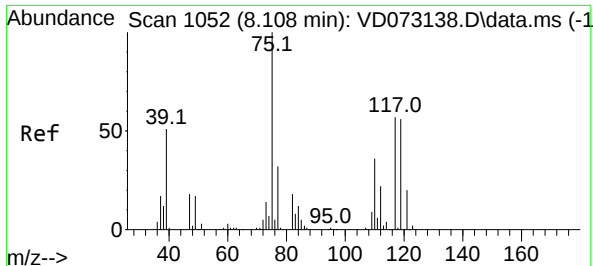
Ion Ratio Lower Upper

113 100

111 98.6 83.8 125.6

192 17.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.377 ug/l

RT: 7.979 min Scan# 1

Delta R.T. -0.129 min

Lab File: VD073450.D

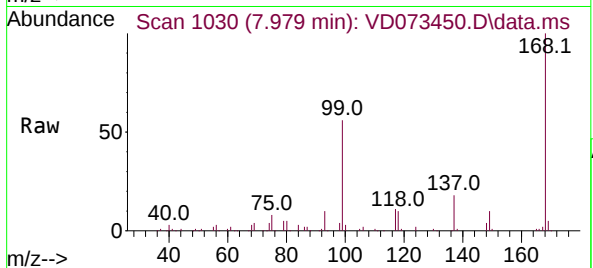
Acq: 01 Jun 2022 16:17

Instrument :

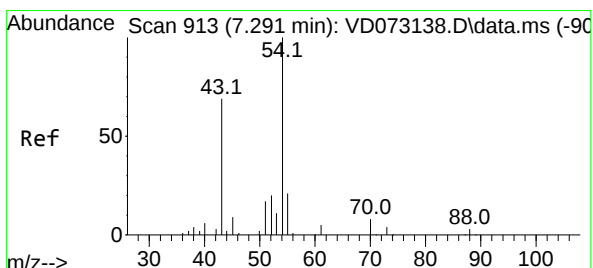
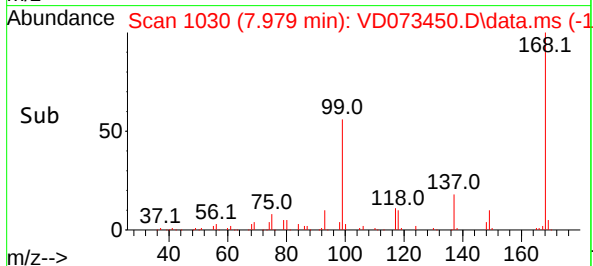
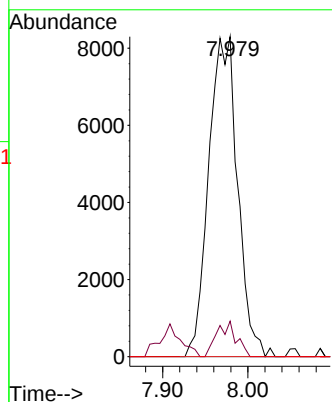
MSVOA_D

ClientSampleId :

20220429-AMENDED-COMPOSITE-I



Tgt Ion:	75	Resp:	19590
Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.4	49.1#
77	0.0	24.2	36.2#



#37

Ethyl Acetate

Concen: 12.211 ug/l

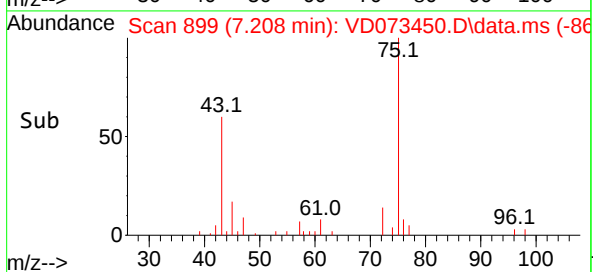
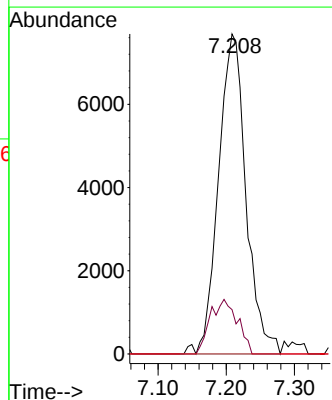
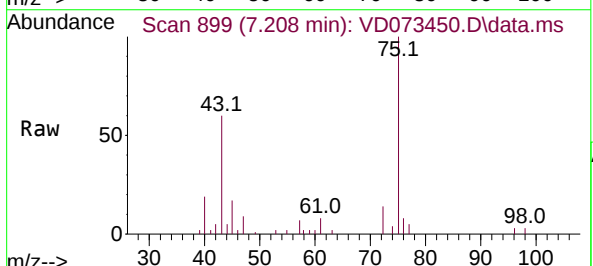
RT: 7.208 min Scan# 899

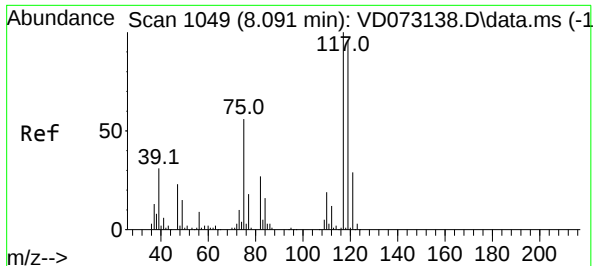
Delta R.T. -0.083 min

Lab File: VD073450.D

Acq: 01 Jun 2022 16:17

Tgt Ion:	43	Resp:	21585
Ion	Ratio	Lower	Upper
43	100		
61	17.0	9.8	14.8#
70	0.0	6.9	10.3#

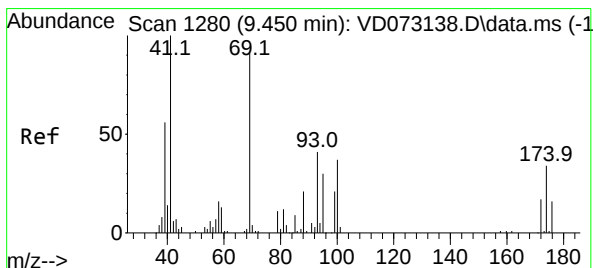
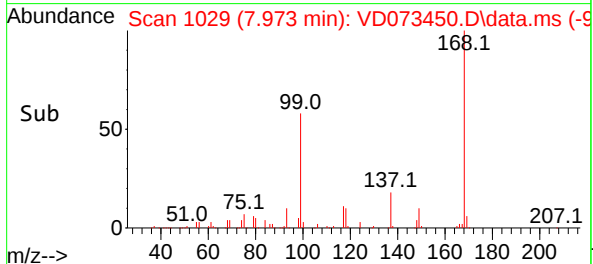
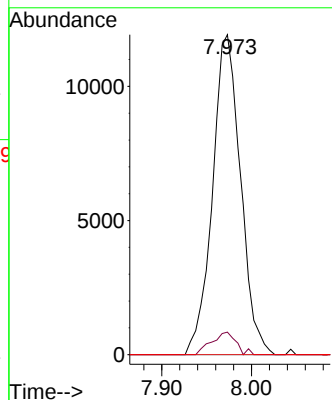
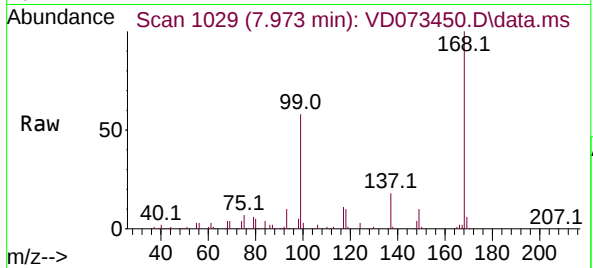




#38
Carbon Tetrachloride
Concen: 5.702 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

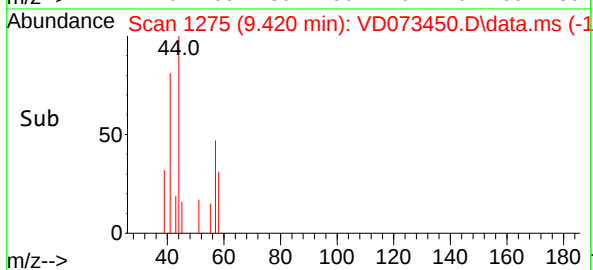
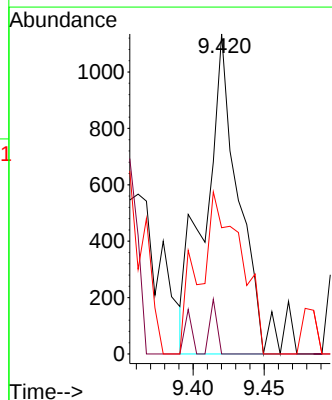
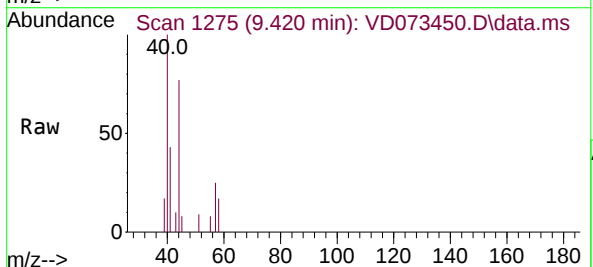
Instrument : MSVOA_D
ClientSampleId : 20220429-AMENDED-COMPOSITE-I

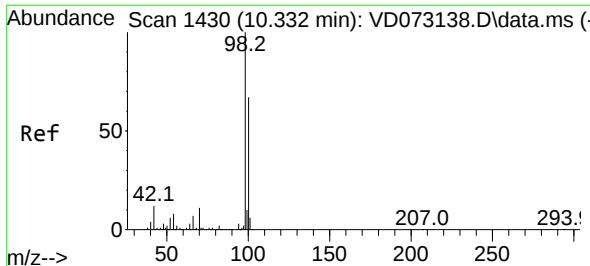
Tgt Ion:117 Resp: 25869
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.6#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 1.136 ug/l
RT: 9.420 min Scan# 1275
Delta R.T. -0.030 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

Tgt Ion: 41 Resp: 1867
Ion Ratio Lower Upper
41 100
69 3.6 56.7 85.1#
39 62.3 42.7 64.1

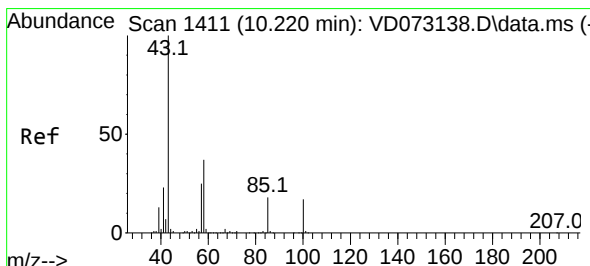
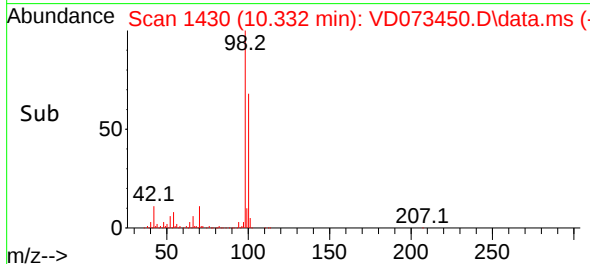
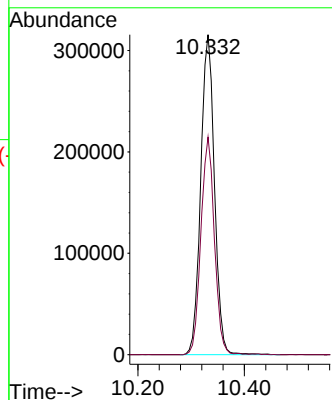
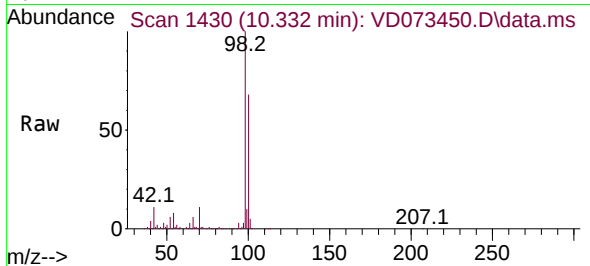




#50
Toluene-d8
Concen: 51.364 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

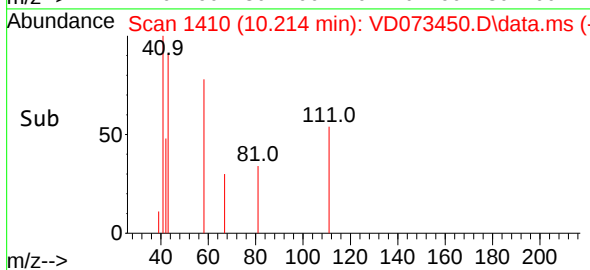
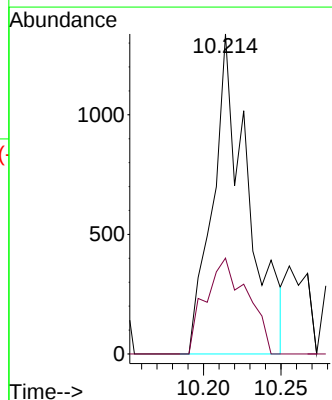
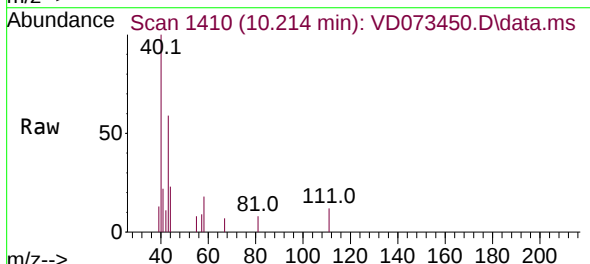
Instrument : MSVOA_D
ClientSampleId : 20220429-AMENDED-COMPOSITE-I

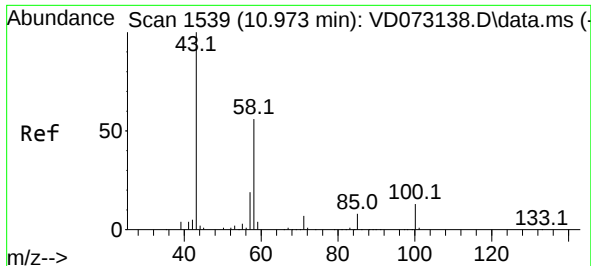
Tgt Ion: 98 Resp: 563405
Ion Ratio Lower Upper
98 100
100 67.0 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.239 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.006 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

Tgt Ion: 43 Resp: 2103
Ion Ratio Lower Upper
43 100
58 35.7 28.6 43.0

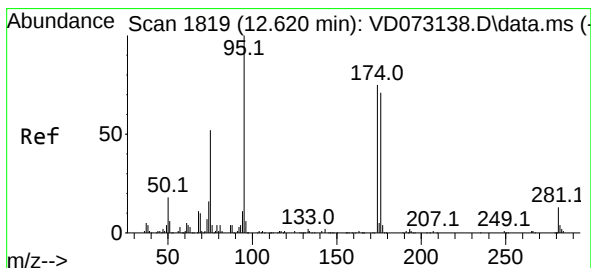
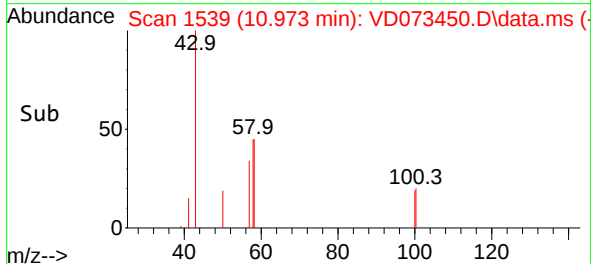
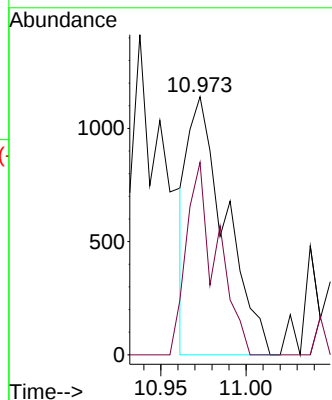
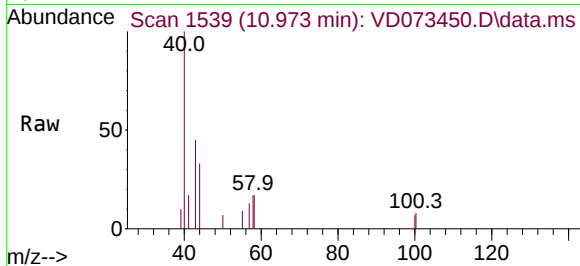




#59
2-Hexanone
Concen: 1.570 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

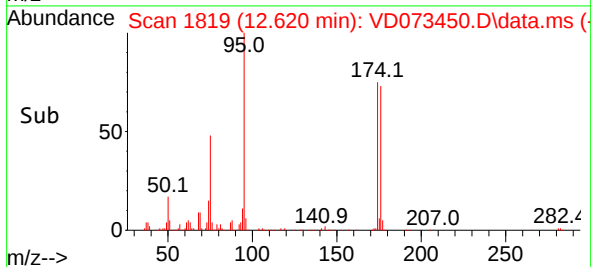
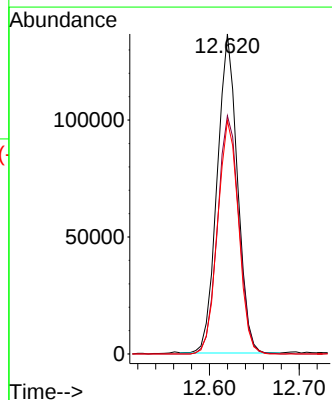
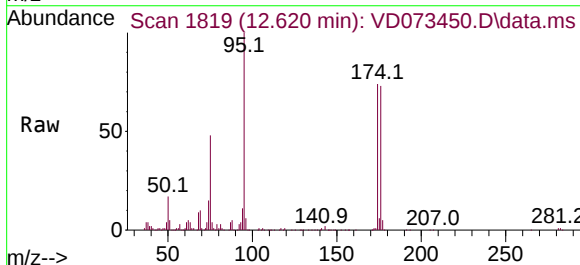
Instrument : MSVOA_D
ClientSampleId : 20220429-AMENDED-COMPOSITE-I

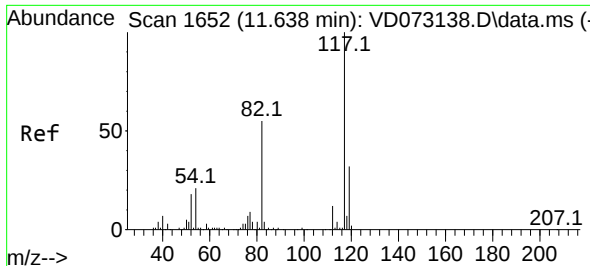
Tgt Ion: 43 Resp: 1756
Ion Ratio Lower Upper
43 100
58 60.6 25.3 75.9



#62
4-Bromofluorobenzene
Concen: 55.735 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

Tgt Ion: 95 Resp: 214546
Ion Ratio Lower Upper
95 100
174 78.4 0.0 152.8
176 75.3 0.0 145.4

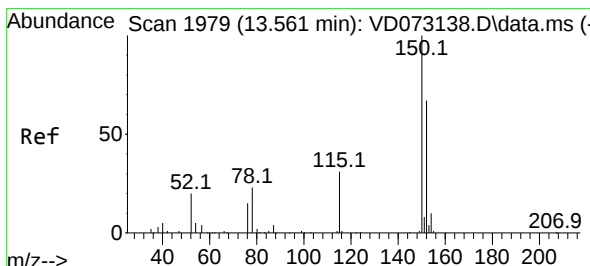
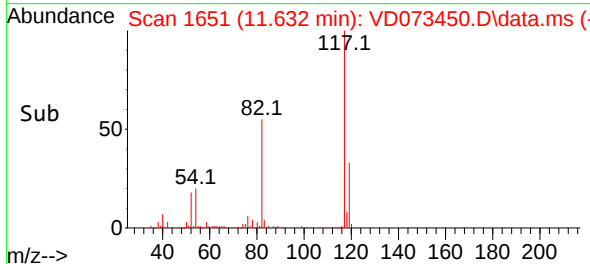
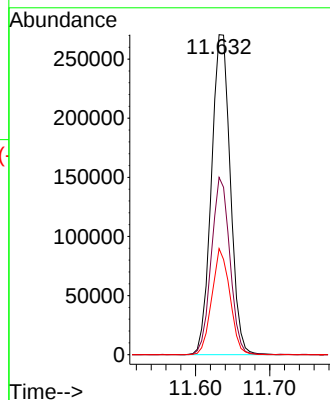
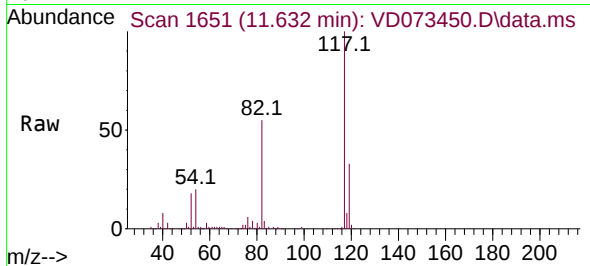




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

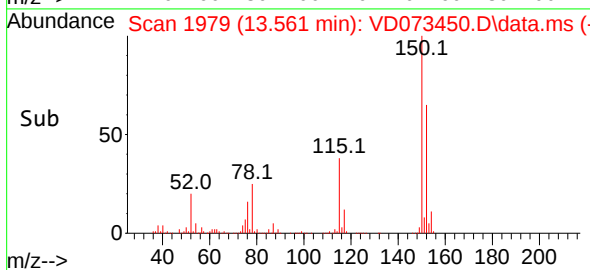
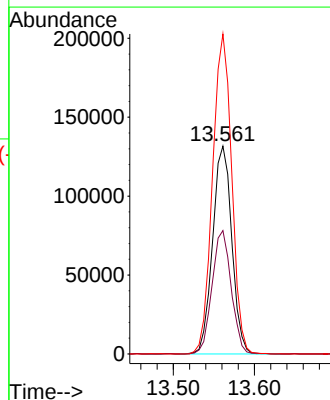
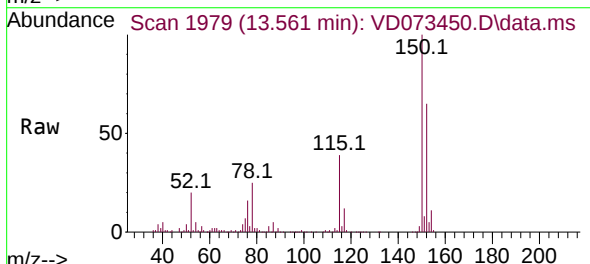
Instrument :
MSVOA_D
ClientSampleId :
20220429-AMENDED-COMPOSITE-I

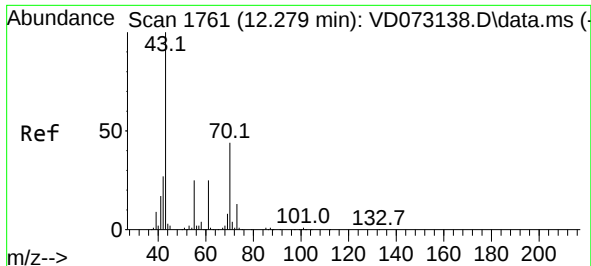
Tgt Ion:117 Resp: 480524
Ion Ratio Lower Upper
117 100
82 55.4 45.3 67.9
119 33.1 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

Tgt Ion:152 Resp: 216094
Ion Ratio Lower Upper
152 100
115 59.2 31.3 93.8
150 153.6 0.0 348.6

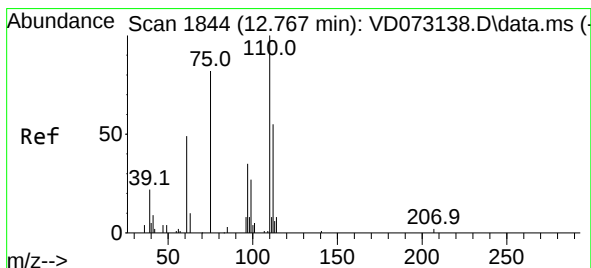
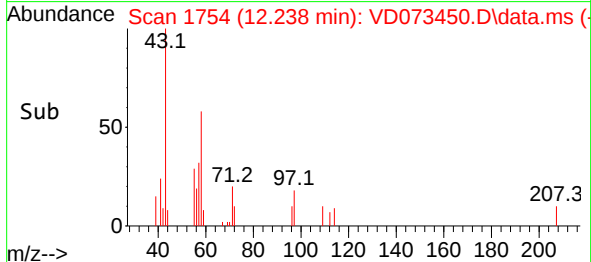
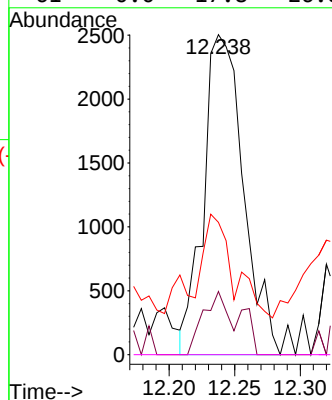
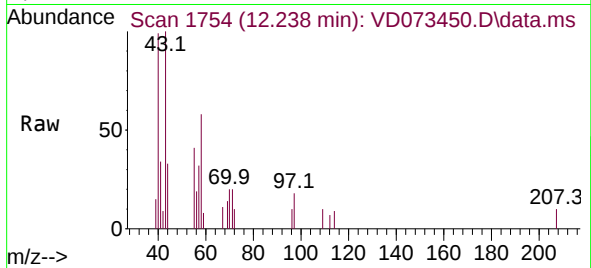




#74
N-amy1 acetate
Concen: 1.577 ug/l
RT: 12.238 min Scan# 11
Delta R.T. -0.041 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

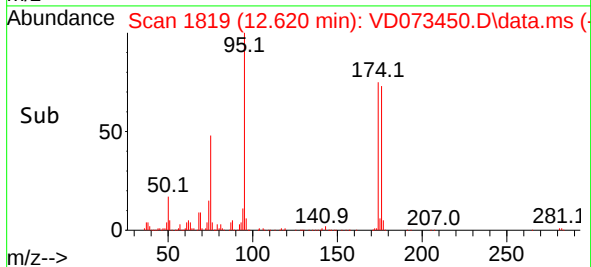
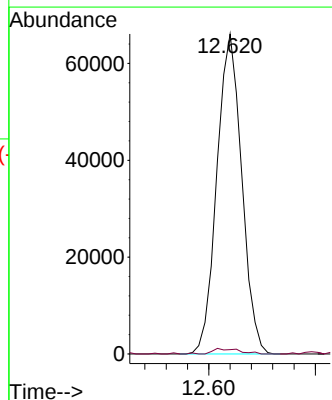
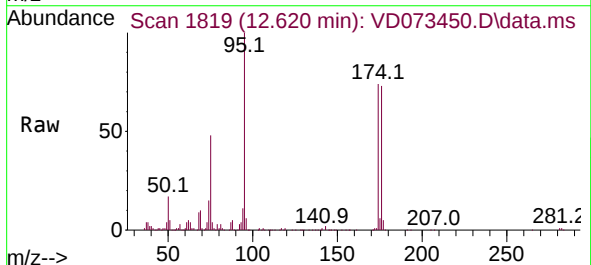
Instrument :
MSVOA_D
ClientSampleId :
20220429-AMENDED-COMPOSITE-I

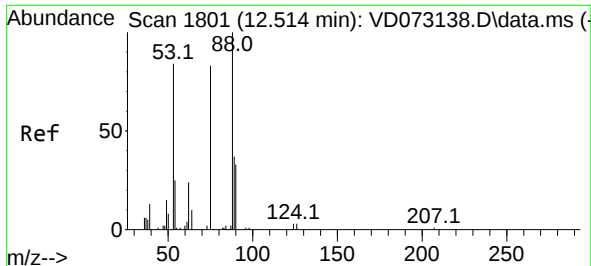
Tgt Ion: 43	Resp: 5299
Ion Ratio	Lower Upper
43 100	
70 12.7	31.3 46.9#
55 24.2	20.0 30.0
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 50.416 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

Tgt Ion: 75	Resp: 106895
Ion Ratio	Lower Upper
75 100	
77 1.8	0.0 0.0#

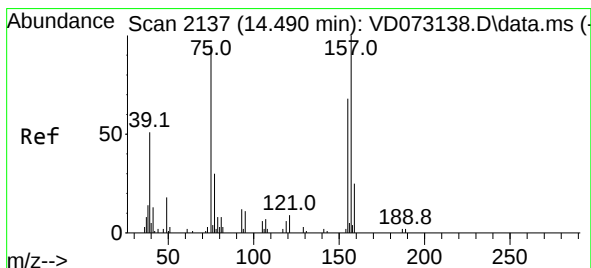
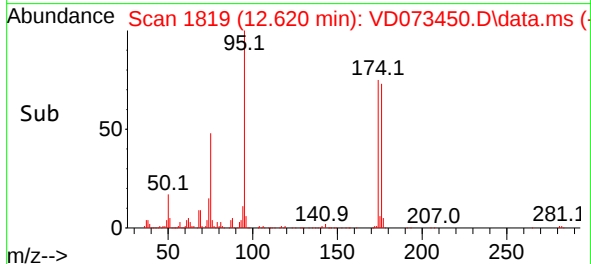
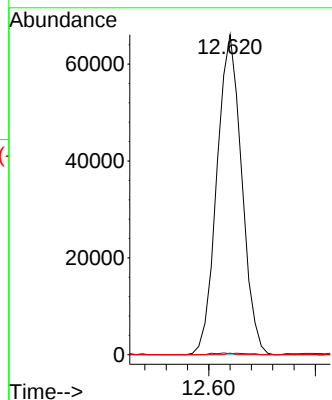
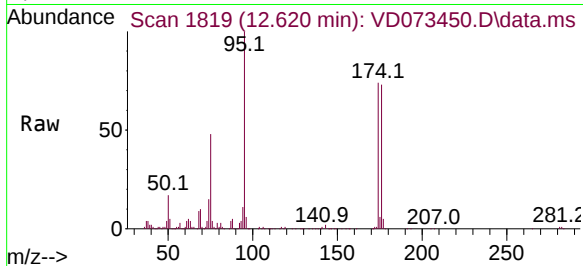




#81
trans-1,4-Dichloro-2-butene
Concen: 121.034 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

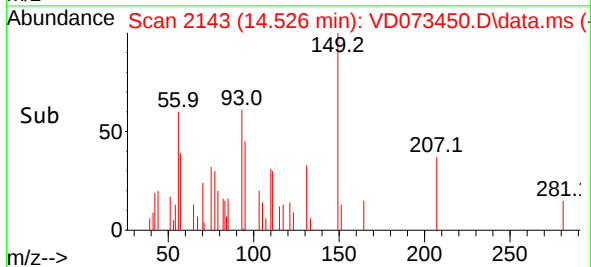
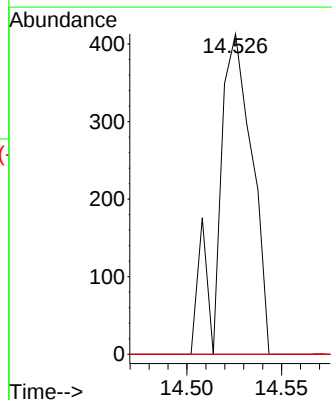
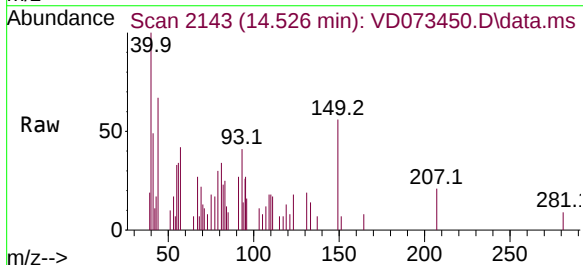
Instrument :
MSVOA_D
ClientSampleId :
20220429-AMENDED-COMPOSITE-I

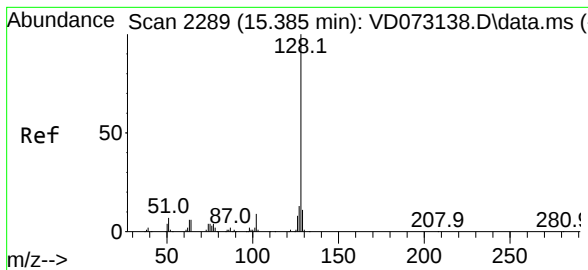
Tgt Ion: 75 Resp: 106895
Ion Ratio Lower Upper
75 100
53 0.6 86.5 129.7#
89 0.1 33.9 50.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.174 ug/l
RT: 14.526 min Scan# 2143
Delta R.T. 0.036 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

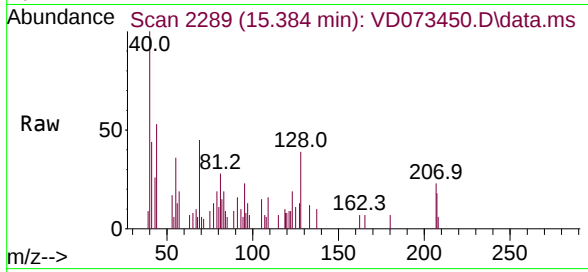
Tgt Ion: 75 Resp: 511
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#





#95
Naphthalene
Concen: 3.848 ug/l
RT: 15.384 min Scan# 21
Delta R.T. -0.001 min
Lab File: VD073450.D
Acq: 01 Jun 2022 16:17

Instrument : MSVOA_D
ClientSampleId : 20220429-AMENDED-COMPOSITE-I



Tgt Ion:	128	Resp:	2334
Ion	Ratio	Lower	Upper
128	100		
127	26.0	10.3	15.5#
129	6.8	8.4	12.6#

