

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080322\
 Data File : VD073942.D
 Acq On : 03 Aug 2022 16:01
 Operator : VA/SY
 Sample : N3989-01RE
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-04-080122RE

Quant Time: Aug 04 02:52:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

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

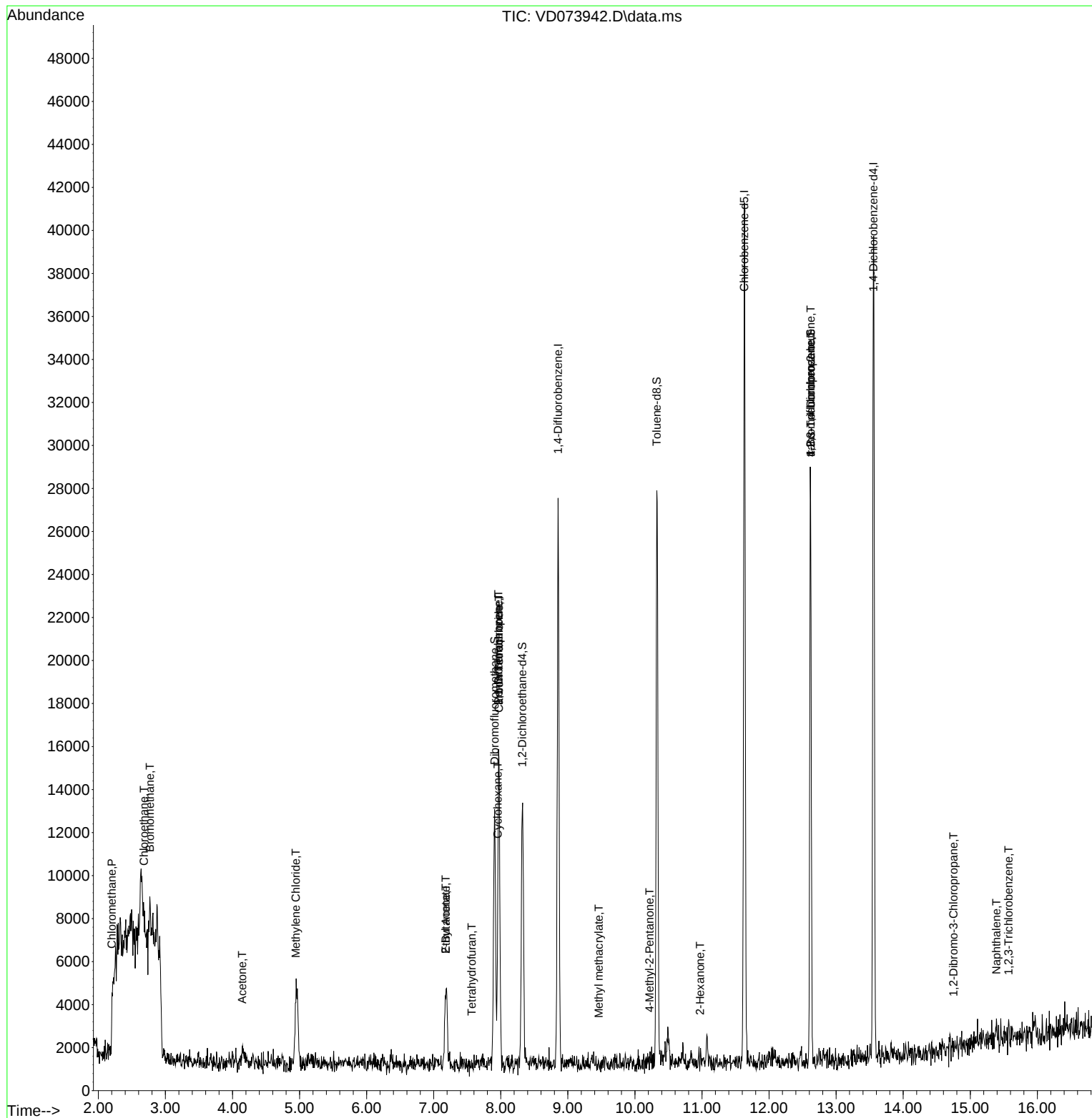
Internal Standards						
1) Pentafluorobenzene	7.967	168	10660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	20678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	22848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	10527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	9515	114.434	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 228.860%#	
35) Dibromofluoromethane	7.908	113	7828	60.930	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.860%	
50) Toluene-d8	10.326	98	19129	44.202	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.400%	
62) 4-Bromofluorobenzene	12.620	95	8601	54.044	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.080%	
Target Compounds						Qvalue
3) Chloromethane	2.203	50	523	3.861	ug/l #	48
5) Bromomethane	2.767	94	1567	13.284	ug/l #	59
6) Chloroethane	2.679	64	125	1.064	ug/l #	1
16) Acetone	4.144	43	498	31.201	ug/l #	46
18) Methyl Acetate	4.491	43	58	Below Cal	#	48
20) Methylene Chloride	4.944	84	1845	3.505	ug/l #	81
25) 2-Butanone	7.179	43	72	2.767	ug/l #	46
29) Tetrahydrofuran	7.567	42	58	3.815	ug/l #	30
31) Cyclohexane	7.955	56	218	1.321	ug/l #	10
36) 1,1-Dichloropropene	7.967	75	1423	7.777	ug/l #	41
37) Ethyl Acetate	7.179	43	72	1.057	ug/l #	1
38) Carbon Tetrachloride	7.973	117	1177	5.742	ug/l #	11
48) Methyl methacrylate	9.461	41	68	1.080	ug/l #	12
51) 4-Methyl-2-Pentanone	10.220	43	217	3.221	ug/l #	82
59) 2-Hexanone	10.973	43	136	2.983	ug/l	80
76) 1,2,3-Trichloropropane	12.620	75	4935	62.966	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	4935	134.495	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.749	75	79	3.751	ug/l #	1
95) Naphthalene	15.390	128	702	2.026	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.573	180	231	1.409	ug/l #	11

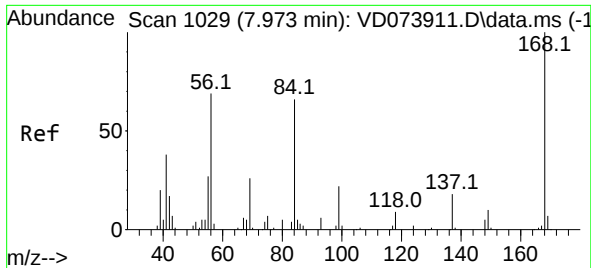
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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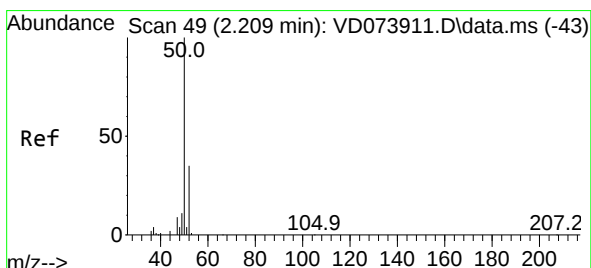
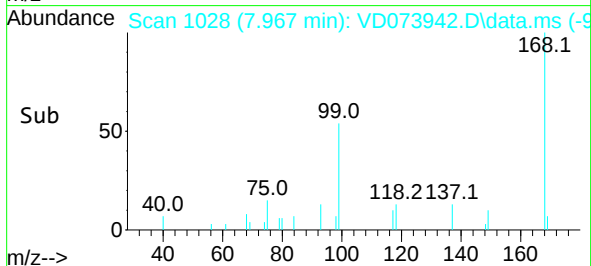
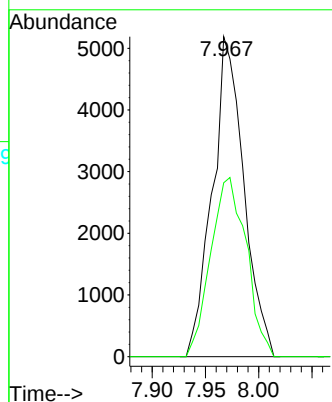
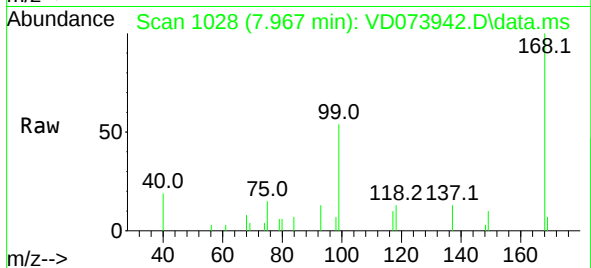




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

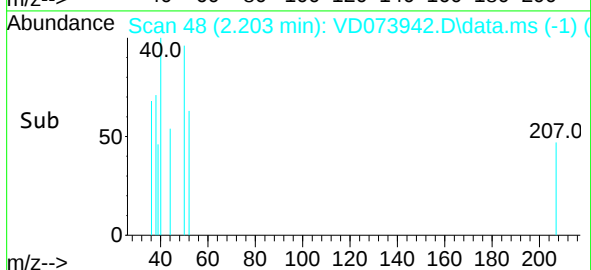
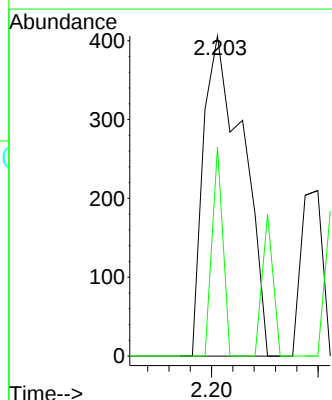
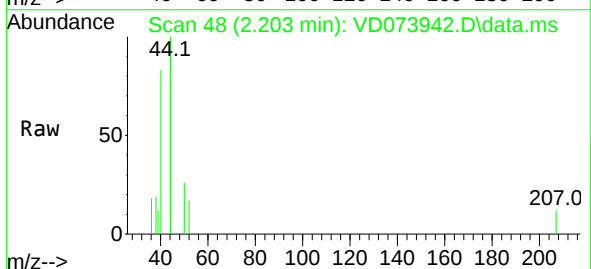
Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122RE

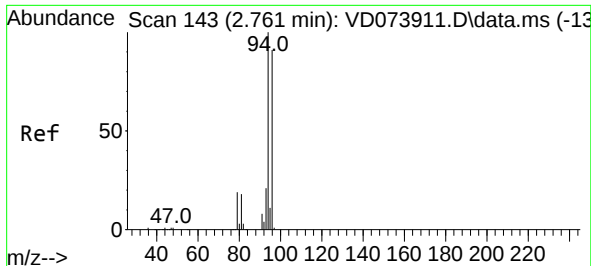
Tgt Ion:168 Resp: 10660
Ion Ratio Lower Upper
168 100
99 54.4 52.2 78.4



#3
Chloromethane
Concen: 3.861 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

Tgt Ion: 50 Resp: 523
Ion Ratio Lower Upper
50 100
52 65.3 28.2 42.2#

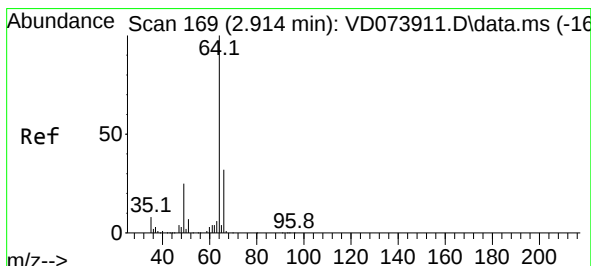
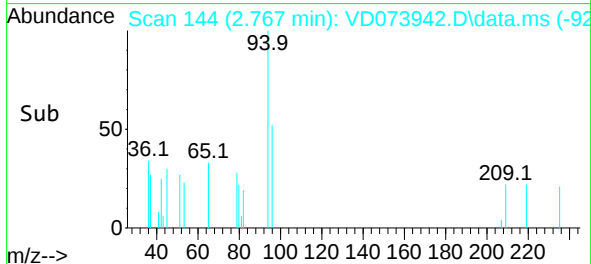
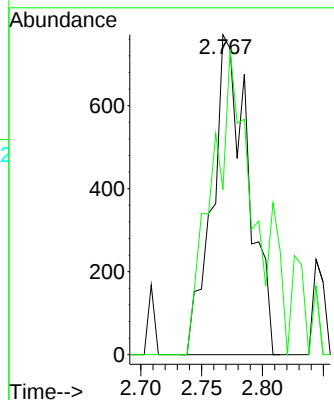
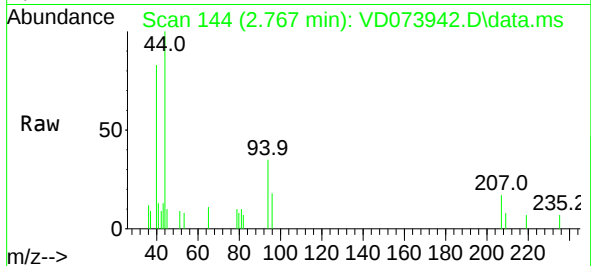




#5
Bromomethane
Concen: 13.284 ug/l
RT: 2.767 min Scan# 143
Delta R.T. 0.006 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

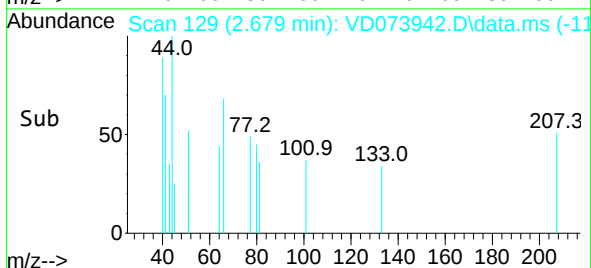
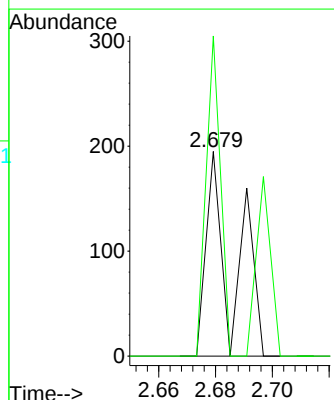
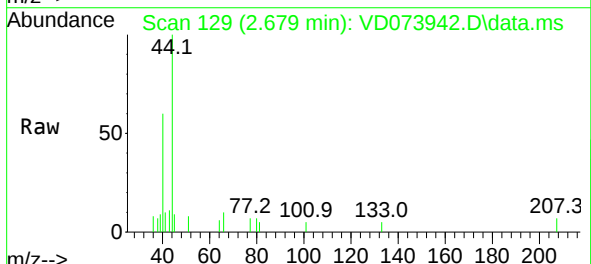
Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122RE

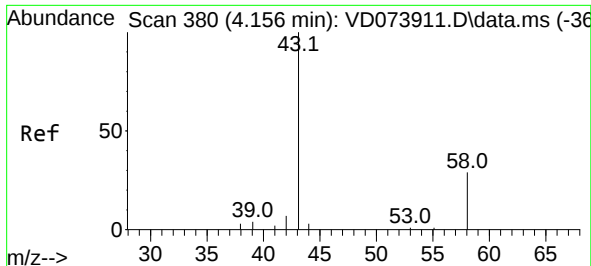
Tgt Ion: 94 Resp: 1567
Ion Ratio Lower Upper
94 100
96 51.6 72.7 109.1#



#6
Chloroethane
Concen: 1.064 ug/l
RT: 2.679 min Scan# 129
Delta R.T. -0.235 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

Tgt Ion: 64 Resp: 125
Ion Ratio Lower Upper
64 100
66 156.4 25.8 38.6#

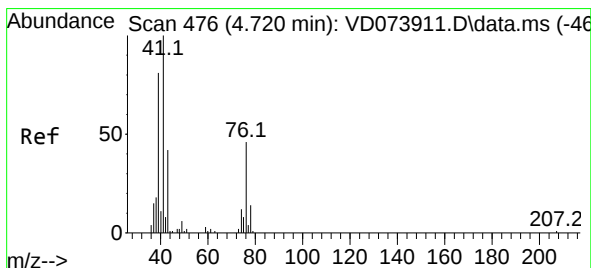
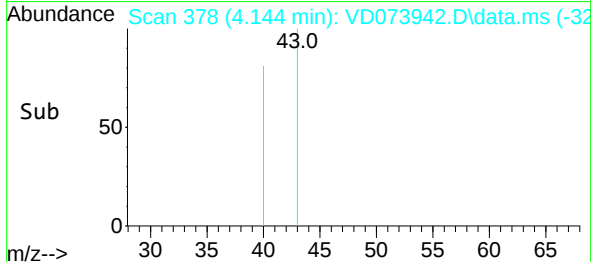
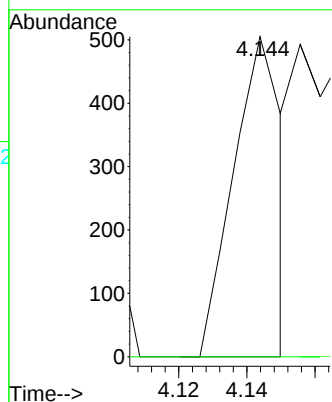
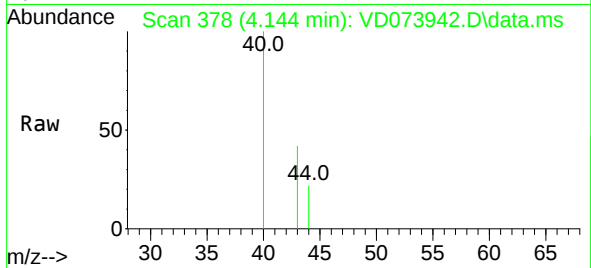




#16
Acetone
Concen: 31.201 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

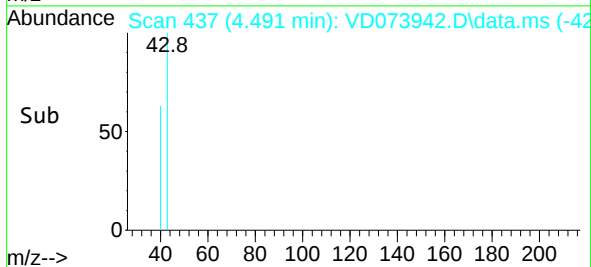
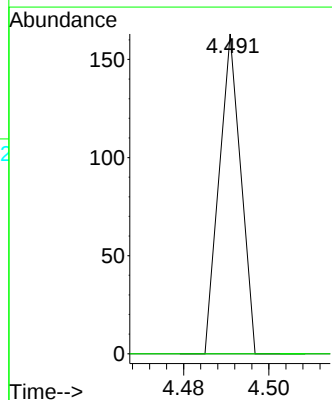
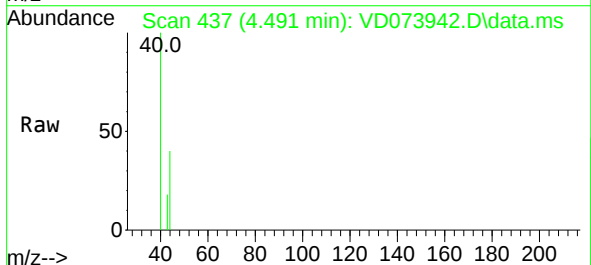
Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122RE

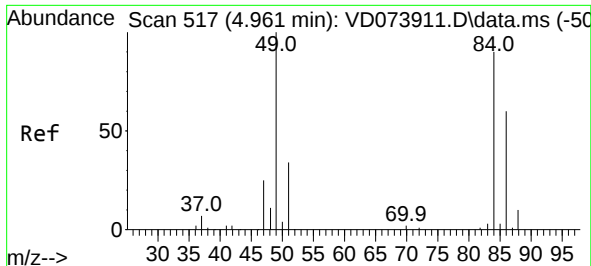
Tgt Ion: 43 Resp: 498
Ion Ratio Lower Upper
43 100
58 0.0 23.0 34.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 437
Delta R.T. -0.229 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

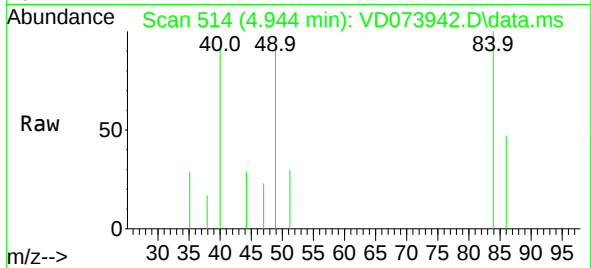
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#



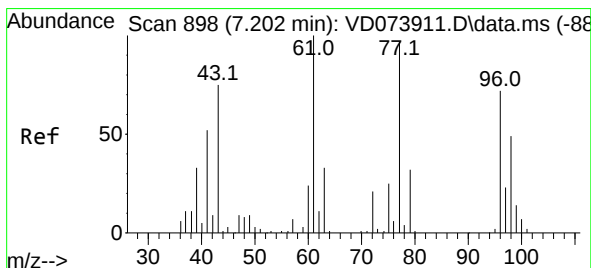
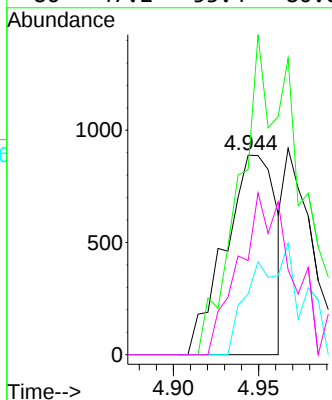
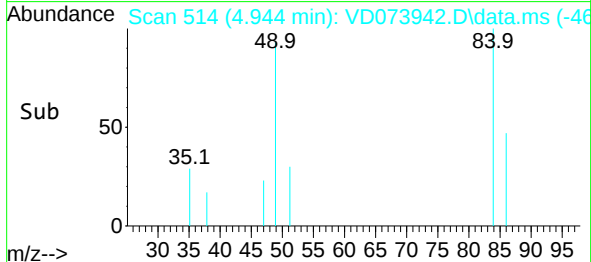


#20
Methylene Chloride
Concen: 3.505 ug/l
RT: 4.944 min Scan# 517
Delta R.T. -0.017 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122RE

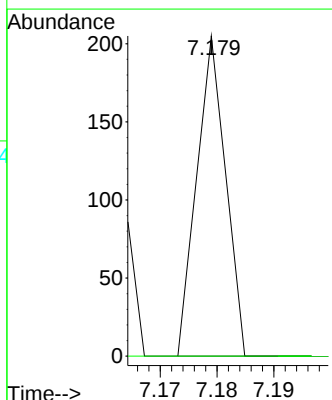
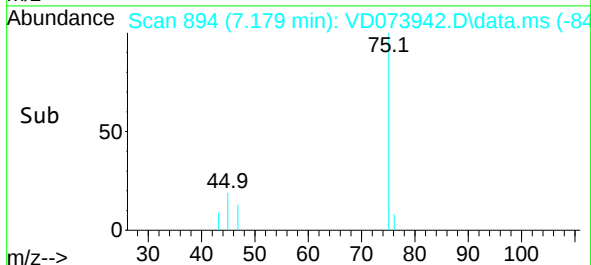
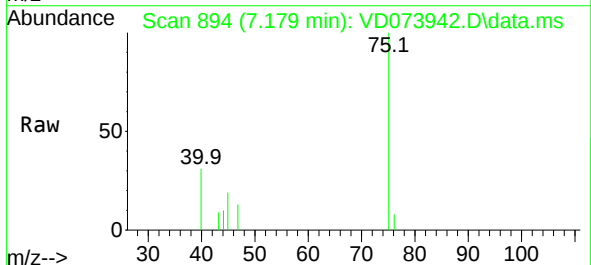


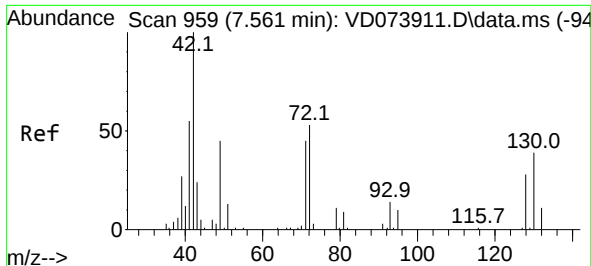
Tgt Ion: 84	Resp: 1845
Ion Ratio	Lower Upper
84 100	
49 92.8	89.1 133.7
51 30.5	29.8 44.8
86 47.2	53.4 80.0#



#25
2-Butanone
Concen: 2.767 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.023 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

Tgt Ion: 43	Resp: 72		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	22.7	34.1#	





#29

Tetrahydrofuran

Concen: 3.815 ug/l

RT: 7.567 min Scan# 9

Delta R.T. 0.006 min

Lab File: VD073942.D

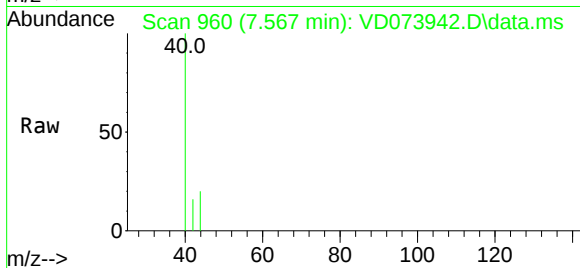
Acq: 03 Aug 2022 16:01

Instrument :

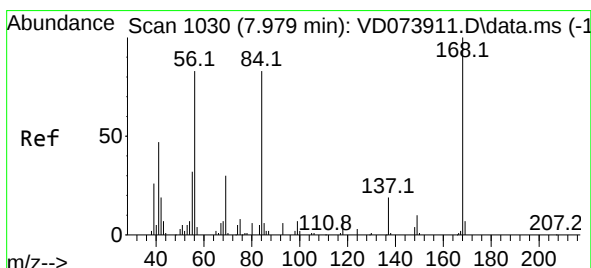
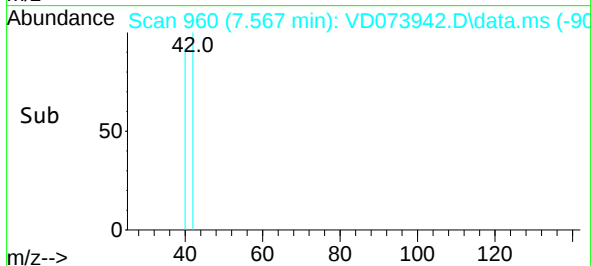
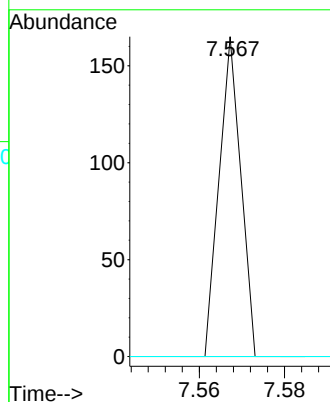
MSVOA_D

ClientSampleId :

OK-04-080122RE



Tgt Ion:	42	Resp:	58
Ion Ratio	100	Lower	Upper
42	100		
72	0.0	39.0	58.4#
71	0.0	35.7	53.5#



#31

Cyclohexane

Concen: 1.321 ug/l

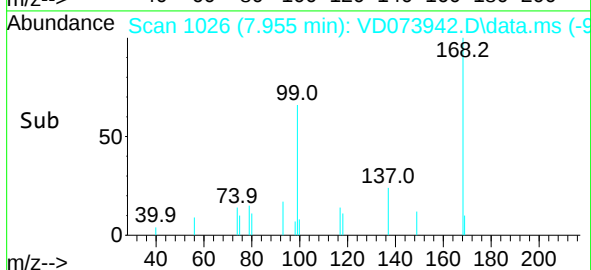
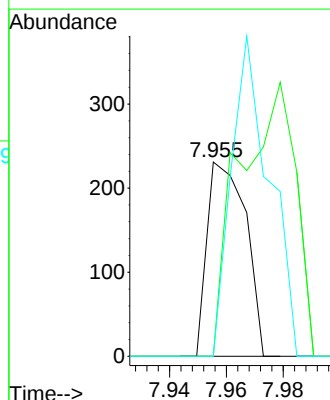
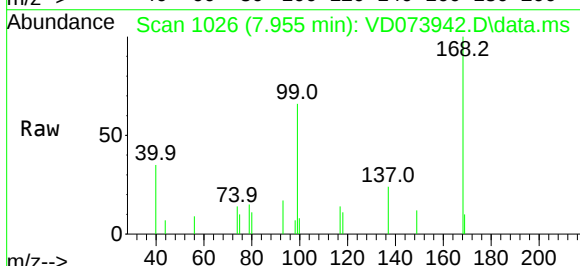
RT: 7.955 min Scan# 1026

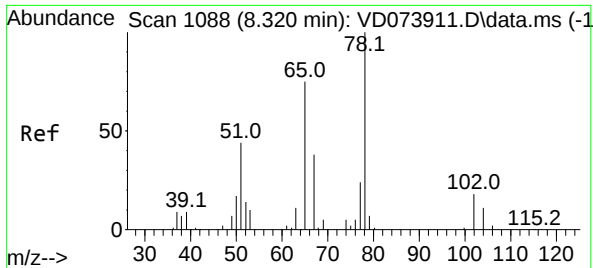
Delta R.T. -0.023 min

Lab File: VD073942.D

Acq: 03 Aug 2022 16:01

Tgt Ion:	56	Resp:	218
Ion Ratio	100	Lower	Upper
56	100		
69	0.0	29.2	43.8#
84	0.0	80.0	120.0#





#33

1,2-Dichloroethane-d4

Concen: 114.434 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073942.D

Acq: 03 Aug 2022 16:01

Instrument :

MSVOA_D

ClientSampleId :

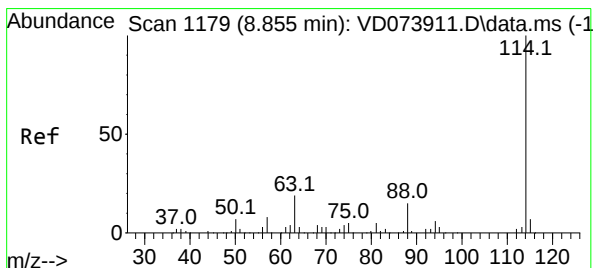
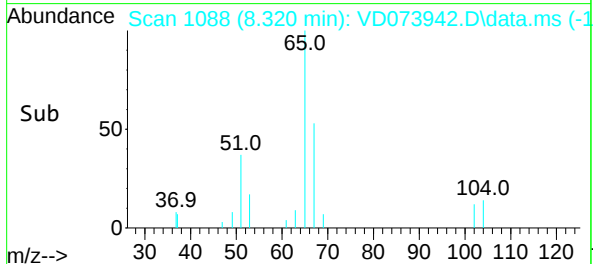
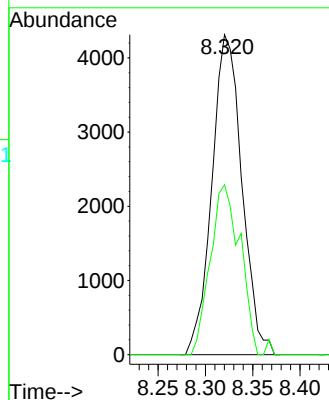
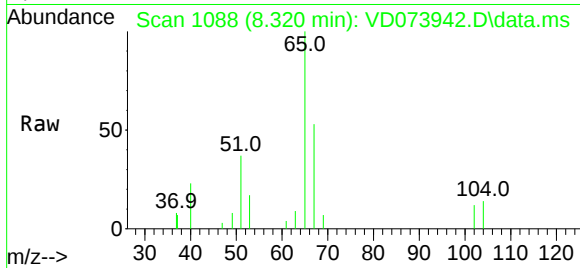
OK-04-080122RE

Tgt Ion: 65 Resp: 9515

Ion Ratio Lower Upper

65 100

67 52.7 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073942.D

Acq: 03 Aug 2022 16:01

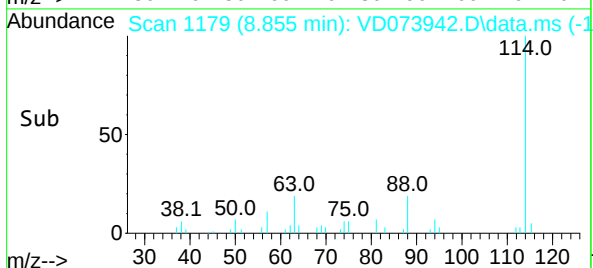
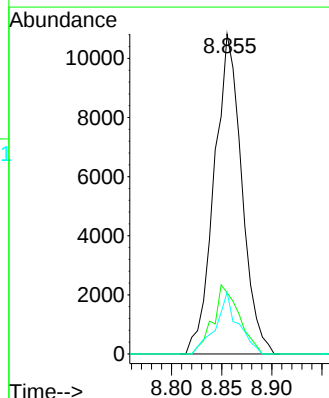
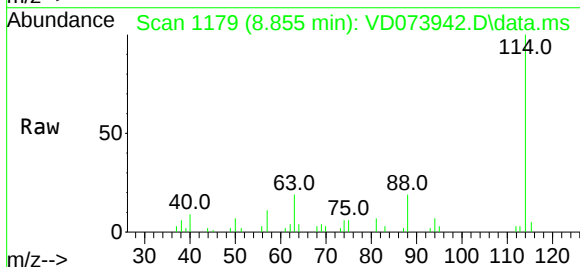
Tgt Ion: 114 Resp: 20678

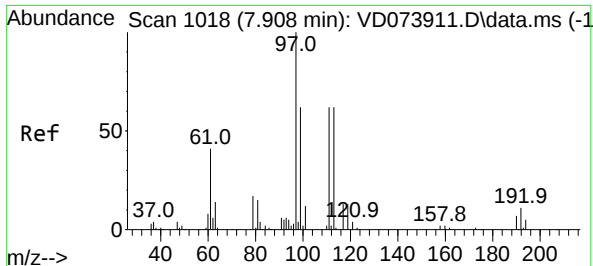
Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.6

88 19.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 60.930 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073942.D

Acq: 03 Aug 2022 16:01

Instrument :

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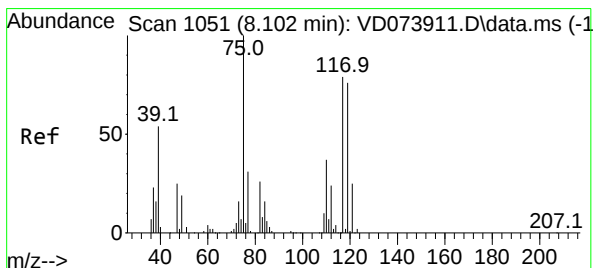
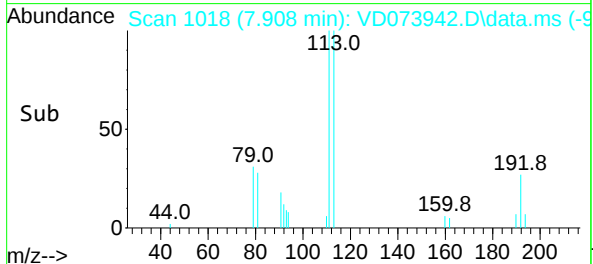
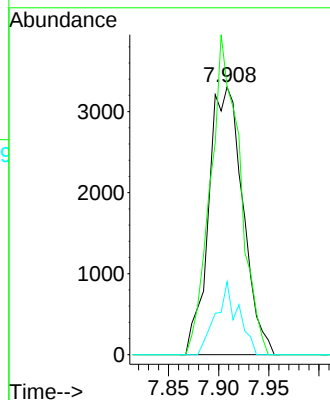
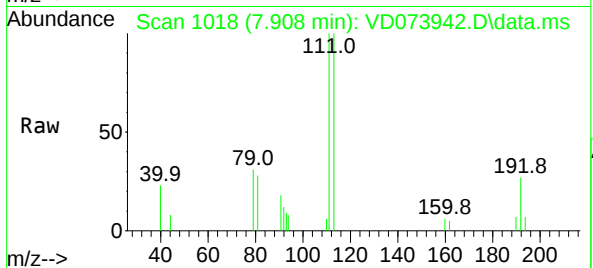
Tgt Ion:113 Resp: 7828

Ion Ratio Lower Upper

113 100

111 102.6 83.7 125.5

192 17.9 15.0 22.6



#36

1,1-Dichloropropene

Concen: 7.777 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.135 min

Lab File: VD073942.D

Acq: 03 Aug 2022 16:01

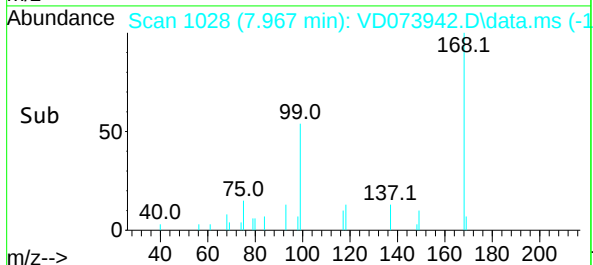
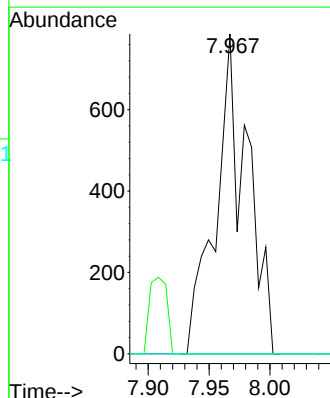
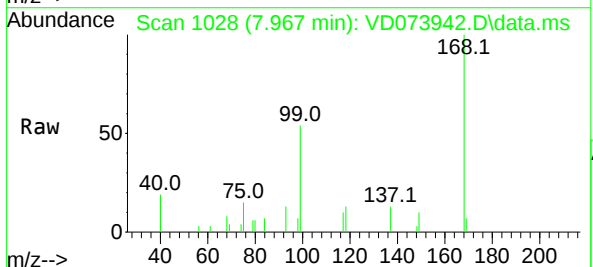
Tgt Ion: 75 Resp: 1423

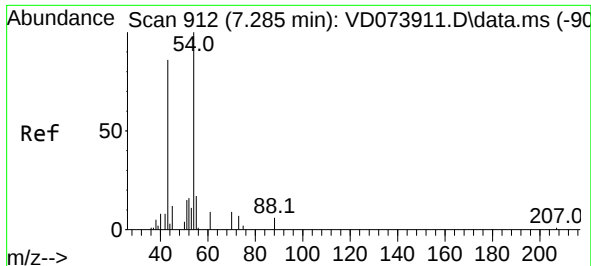
Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.057 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.106 min

Lab File: VD073942.D

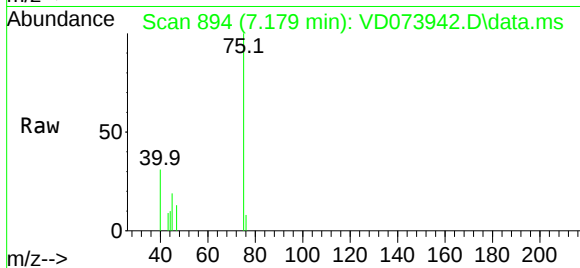
Acq: 03 Aug 2022 16:01

Instrument :

MSVOA_D

ClientSampleId :

OK-04-080122RE



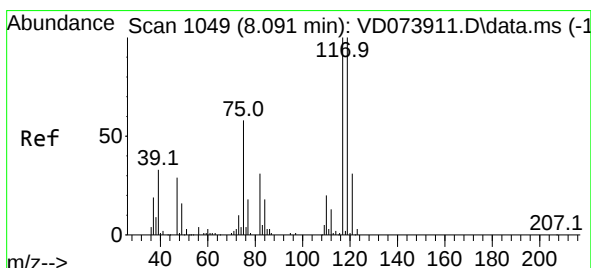
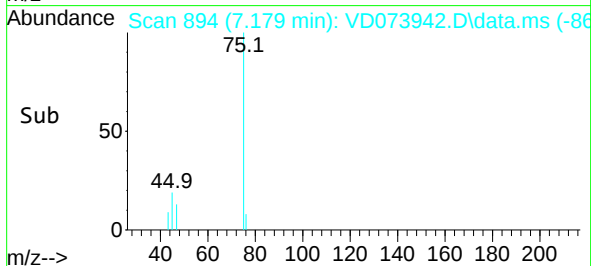
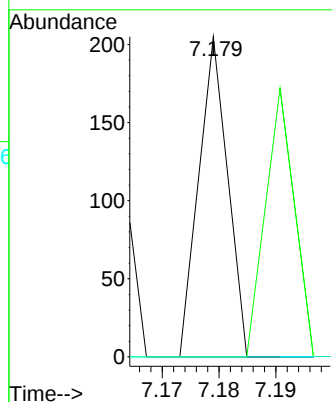
Tgt Ion: 43 Resp: 72

Ion Ratio Lower Upper

43 100

61 84.7 12.7 19.1#

70 0.0 9.4 14.0#



#38

Carbon Tetrachloride

Concen: 5.742 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073942.D

Acq: 03 Aug 2022 16:01

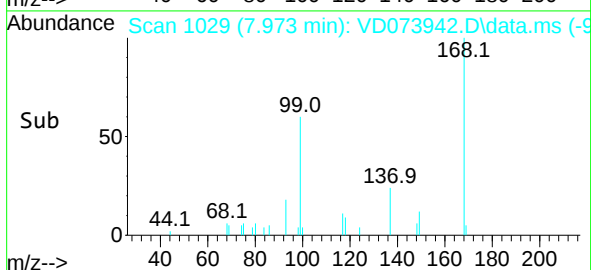
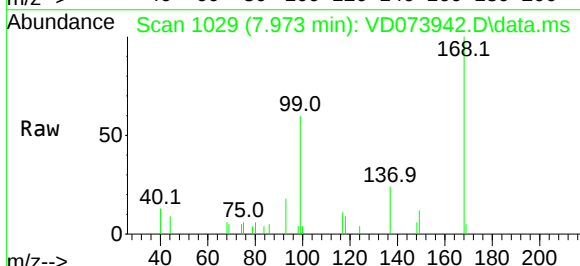
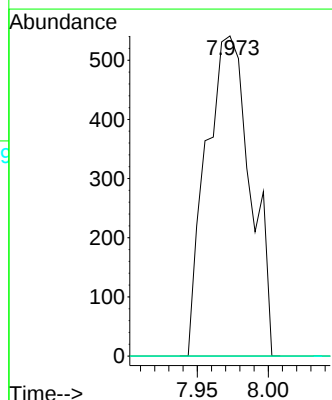
Tgt Ion: 117 Resp: 1177

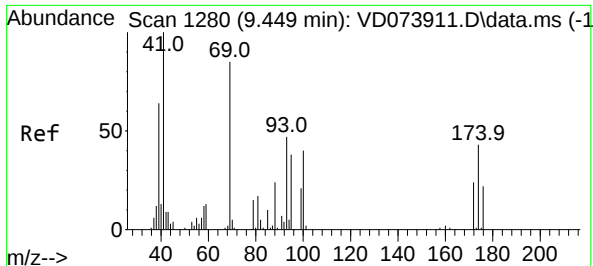
Ion Ratio Lower Upper

117 100

119 0.0 79.6 119.4#

121 0.0 24.4 36.6#

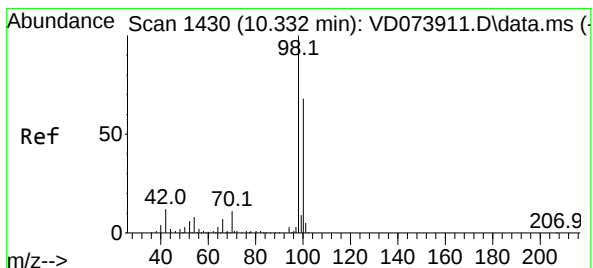
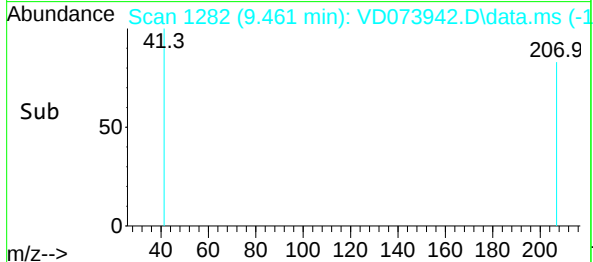
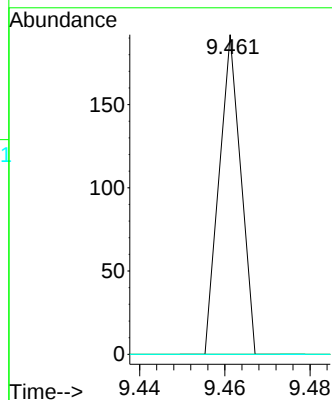
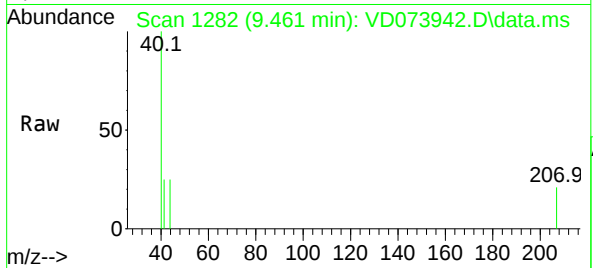




#48
Methyl methacrylate
Concen: 1.080 ug/l
RT: 9.461 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

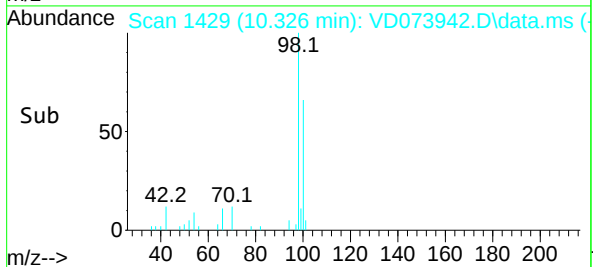
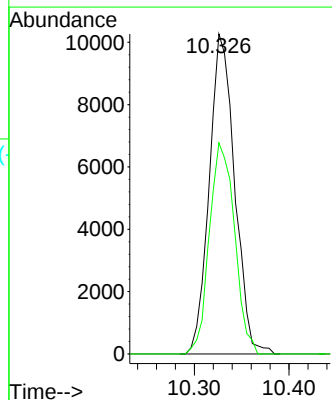
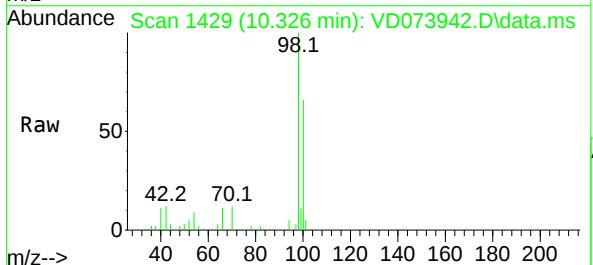
Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122RE

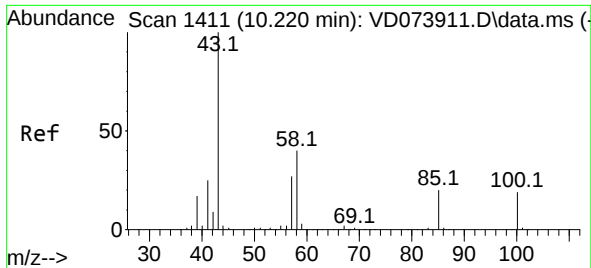
Tgt Ion: 41 Resp: 68
Ion Ratio Lower Upper
41 100
69 0.0 68.3 102.5#
39 0.0 48.7 73.1#



#50
Toluene-d8
Concen: 44.202 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. -0.006 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

Tgt Ion: 98 Resp: 19129
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7

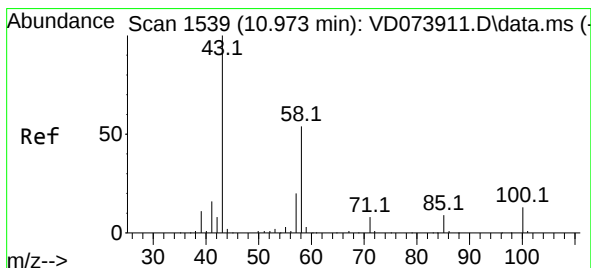
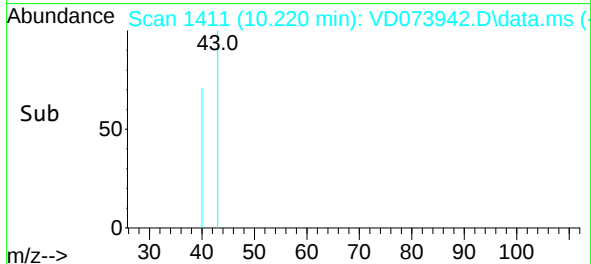
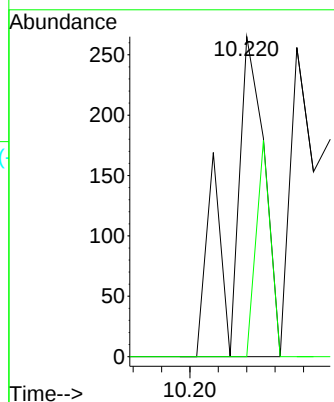
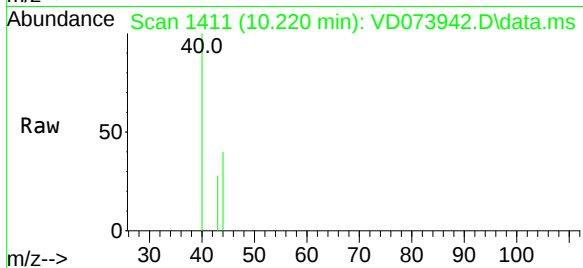




#51
4-Methyl-2-Pentanone
Concen: 3.221 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

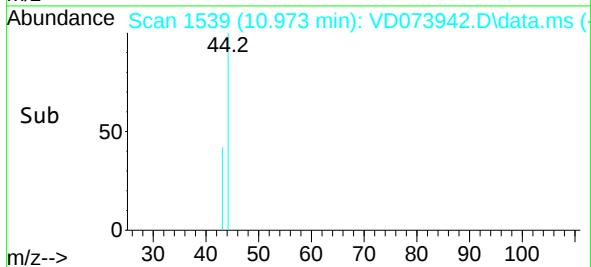
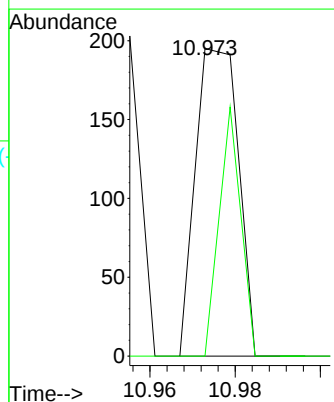
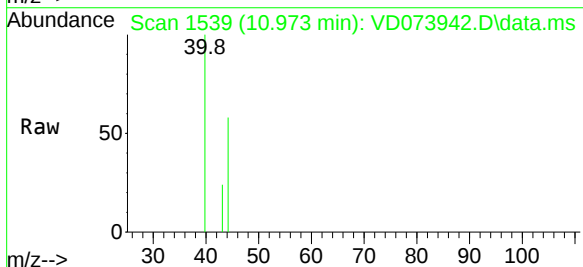
Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122RE

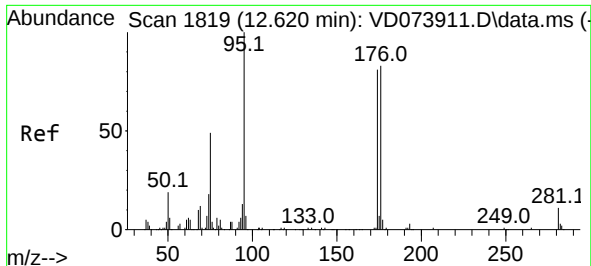
Tgt Ion: 43 Resp: 217
Ion Ratio Lower Upper
43 100
58 29.0 32.1 48.1#



#59
2-Hexanone
Concen: 2.983 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

Tgt Ion: 43 Resp: 136
Ion Ratio Lower Upper
43 100
58 41.2 27.8 83.4

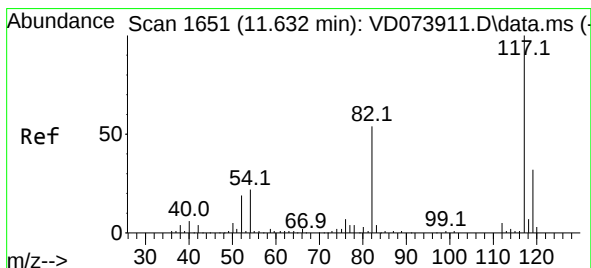
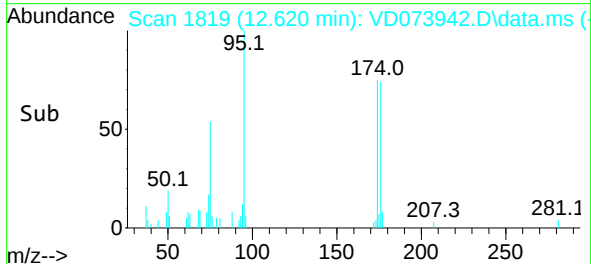
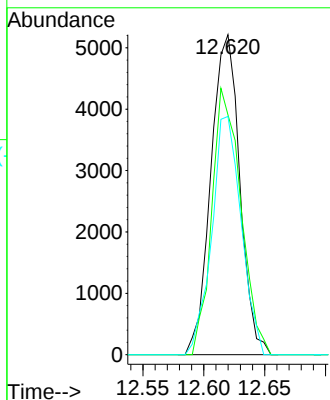
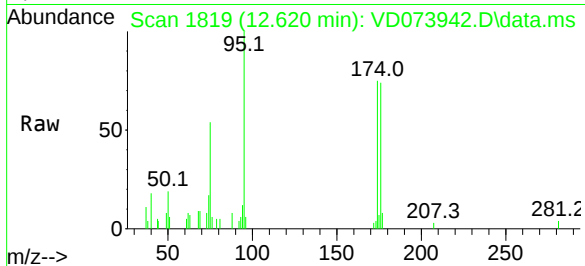




#62
4-Bromofluorobenzene
Concen: 54.044 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

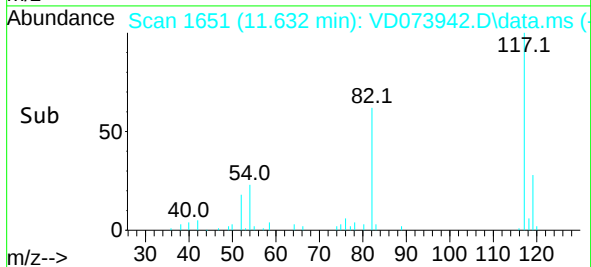
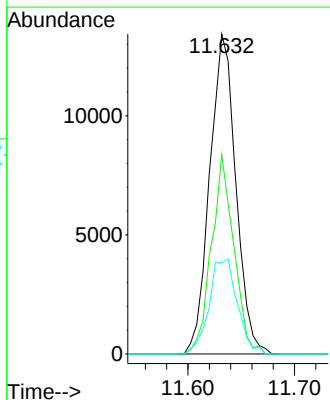
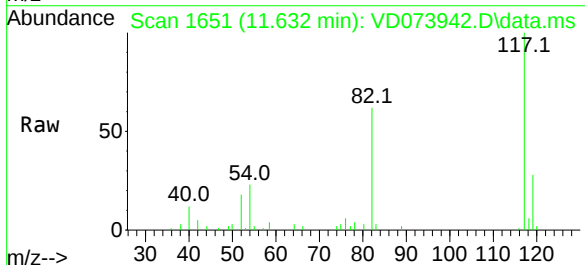
Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122RE

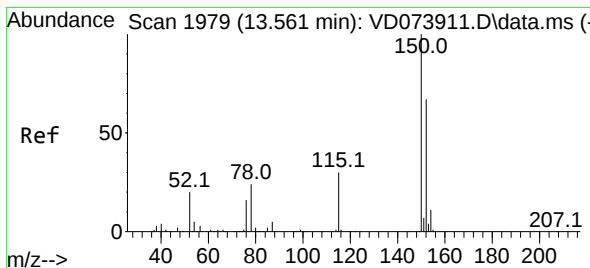
Tgt Ion:	95	Resp:	8601
Ion Ratio	Lower	Upper	
95	100		
174	83.7	0.0	164.2
176	75.8	0.0	161.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

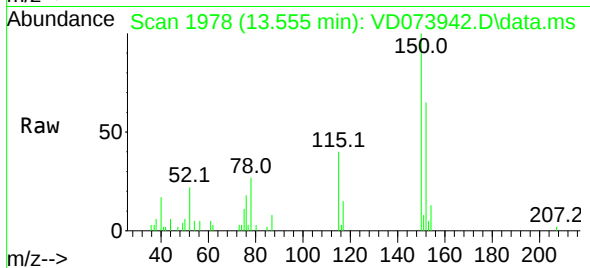
Tgt Ion:	117	Resp:	22848
Ion Ratio	Lower	Upper	
117	100		
82	62.3	43.3	64.9
119	28.5	25.8	38.8



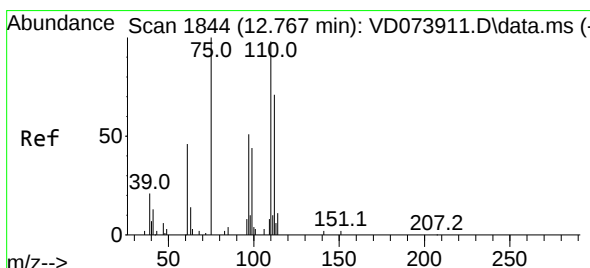
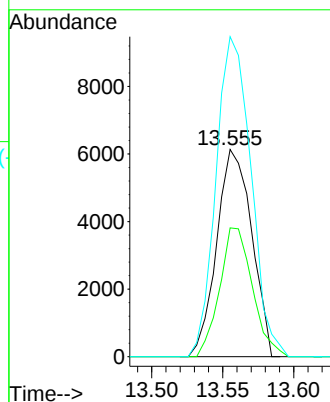
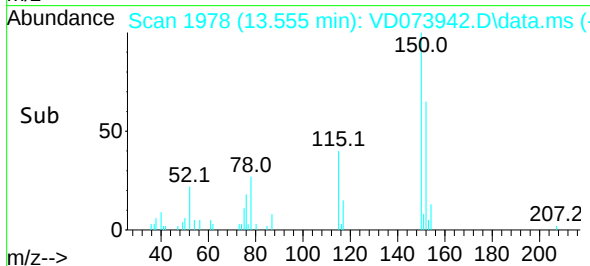


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.555 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD073942.D
 Acq: 03 Aug 2022 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-04-080122RE

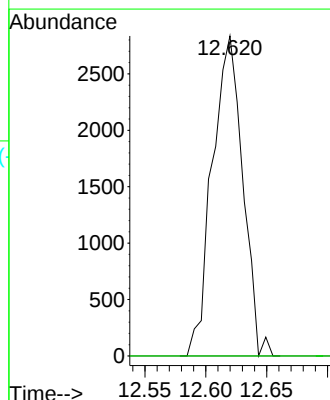
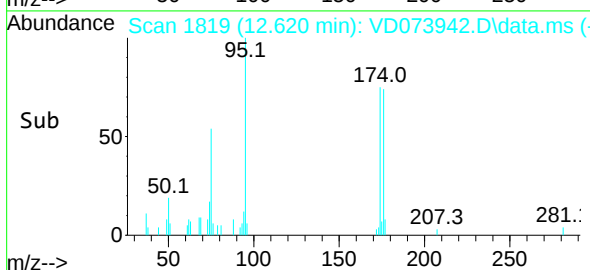
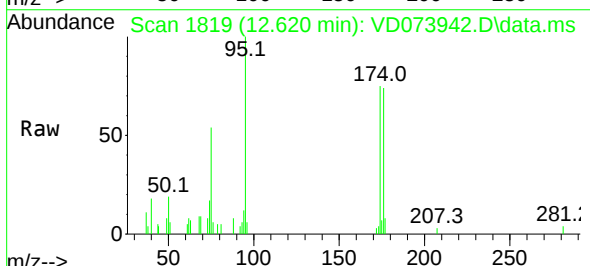


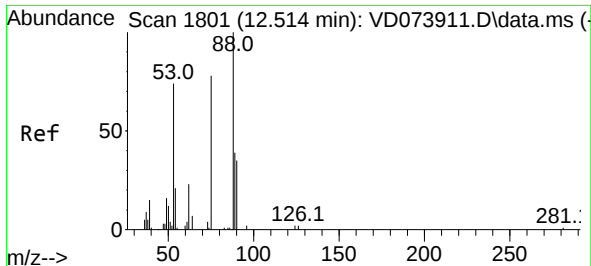
Tgt Ion:152 Resp: 10527
 Ion Ratio Lower Upper
 152 100
 115 58.3 29.1 87.3
 150 154.4 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 62.966 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073942.D
 Acq: 03 Aug 2022 16:01

Tgt Ion: 75 Resp: 4935
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

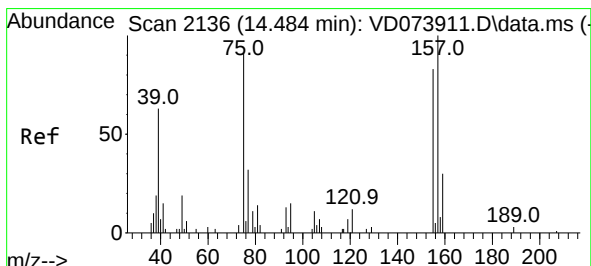
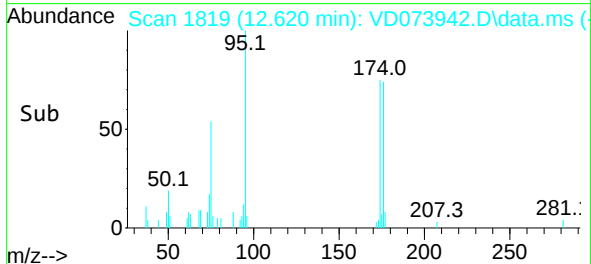
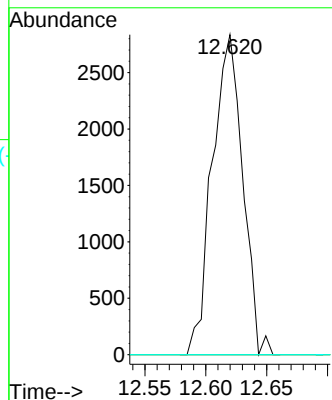
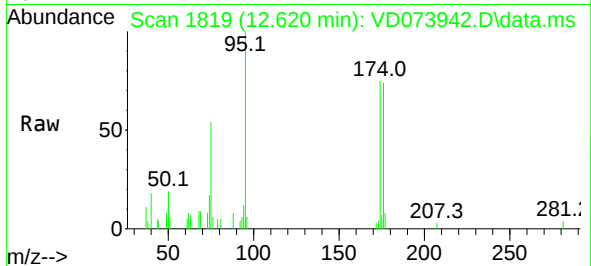




#81
trans-1,4-Dichloro-2-butene
Concen: 134.495 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

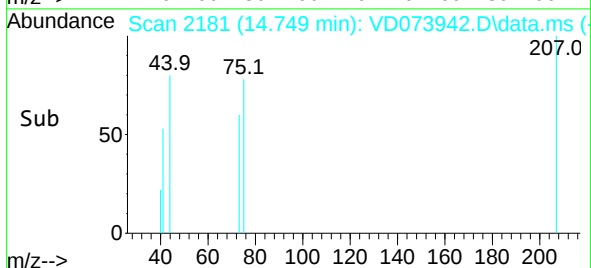
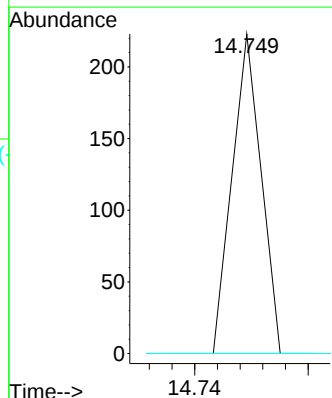
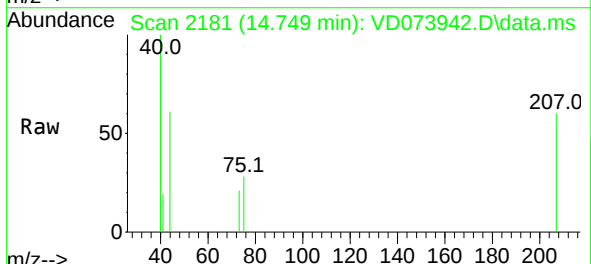
Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122RE

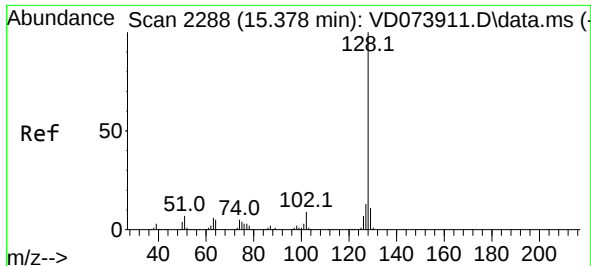
Tgt Ion: 75 Resp: 4935
Ion Ratio Lower Upper
75 100
53 0.0 71.6 107.4#
89 0.0 39.8 59.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.751 ug/l
RT: 14.749 min Scan# 2181
Delta R.T. 0.265 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

Tgt Ion: 75 Resp: 79
Ion Ratio Lower Upper
75 100
155 0.0 46.5 139.5#
157 0.0 56.5 169.5#

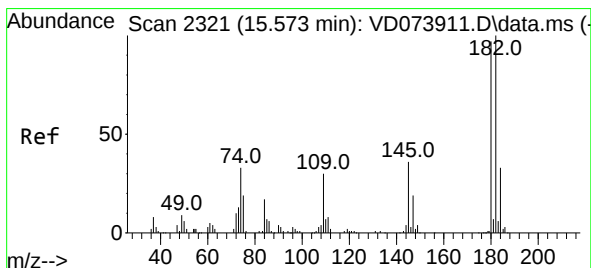
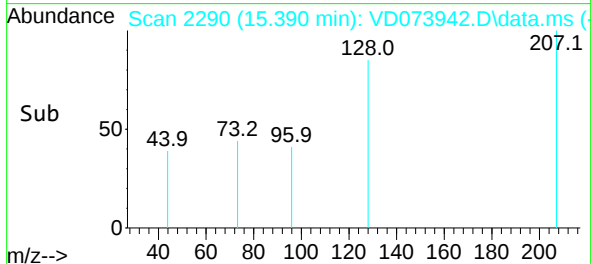
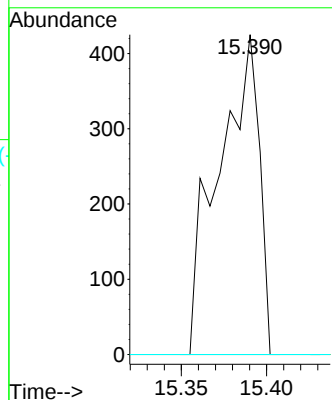
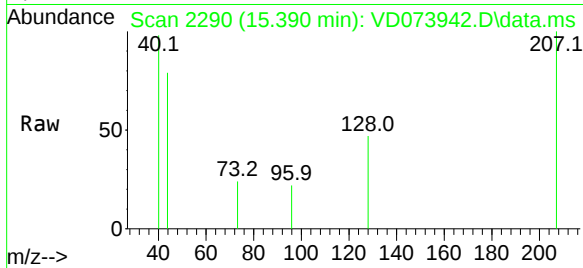




#95
Naphthalene
Concen: 2.026 ug/l
RT: 15.390 min Scan# 21
Delta R.T. 0.012 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122RE

Tgt Ion:128 Resp: 702
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 1.409 ug/l
RT: 15.573 min Scan# 2321
Delta R.T. 0.000 min
Lab File: VD073942.D
Acq: 03 Aug 2022 16:01

Tgt Ion:180 Resp: 231
Ion Ratio Lower Upper
180 100
182 0.0 48.7 146.1#
145 0.0 17.2 51.5#

