

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
 Data File : VD072862.D
 Acq On : 06 May 2022 20:18
 Operator : VA/SY
 Sample : N2689-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-050422

Quant Time: May 07 00:07:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

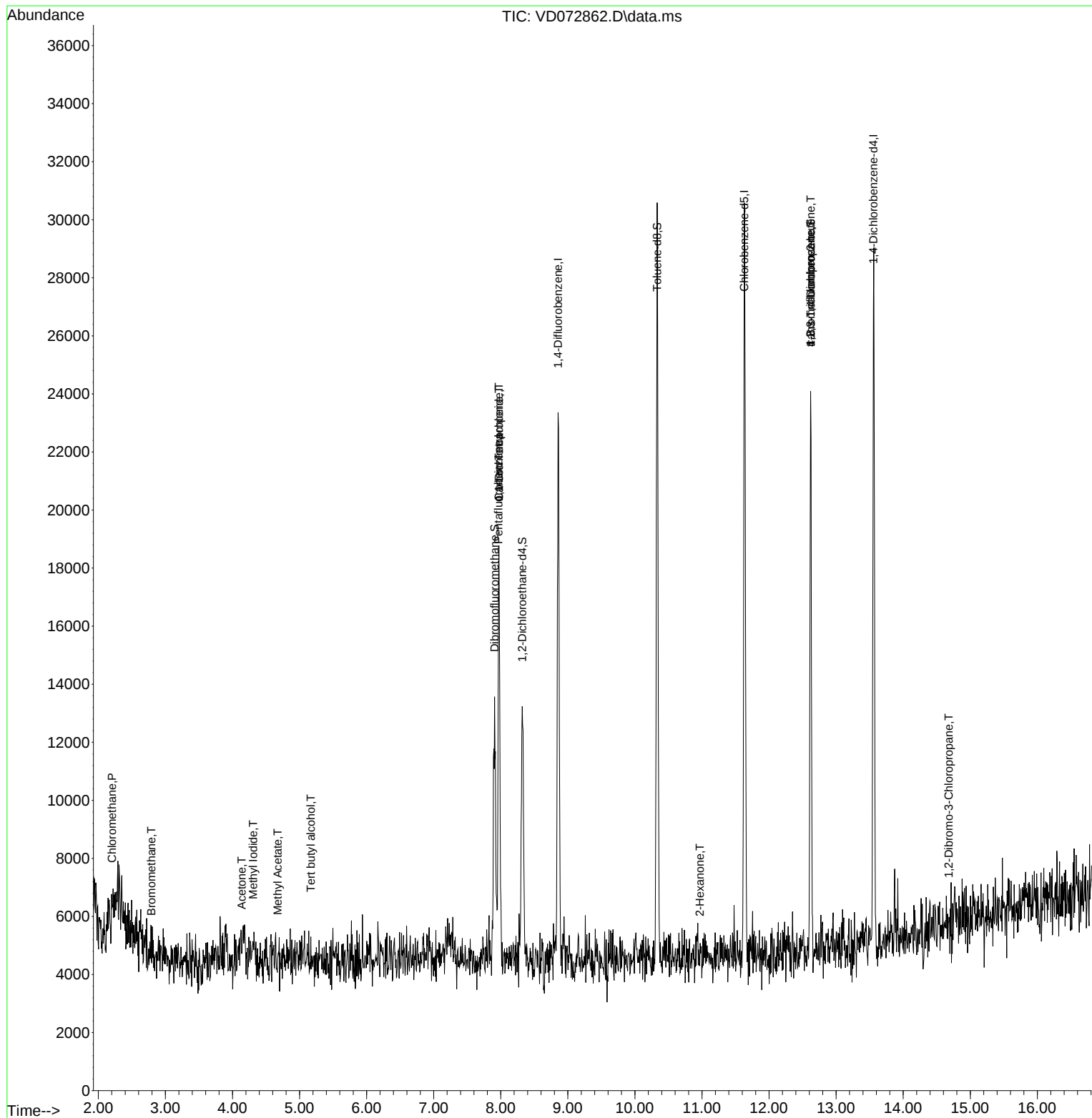
Internal Standards						
1) Pentafluorobenzene	7.967	168	9500	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.855	114	15660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	15298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	6027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	8297	67.282	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.560%	
35) Dibromofluoromethane	7.908	113	6177	56.164	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.320%	
50) Toluene-d8	10.332	98	17086	43.309	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 86.620%	
62) 4-Bromofluorobenzene	12.620	95	6206	42.188	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.380%	
Target Compounds						Qvalue
3) Chloromethane	2.203	50	872	6.387	ug/l #	40
5) Bromomethane	2.791	94	401	3.897	ug/l #	1
10) Methyl Iodide	4.309	142	180	1.408	ug/l #	38
11) Tert butyl alcohol	5.167	59	56	5.249	ug/l #	74
13) Acrolein	3.920	56	62	Below Cal	#	14
16) Acetone	4.138	43	1993	76.680	ug/l #	47
18) Methyl Acetate	4.673	43	109	1.385	ug/l #	55
20) Methylene Chloride	4.950	84	67	Below Cal	#	2
36) 1,1-Dichloropropene	7.973	75	853	4.770	ug/l #	43
38) Carbon Tetrachloride	7.973	117	1084	5.839	ug/l #	13
59) 2-Hexanone	10.967	43	57	1.074	ug/l #	27
76) 1,2,3-Trichloropropane	12.620	75	3018	44.907	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	3018	103.269	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.679	75	63	4.199	ug/l #	6

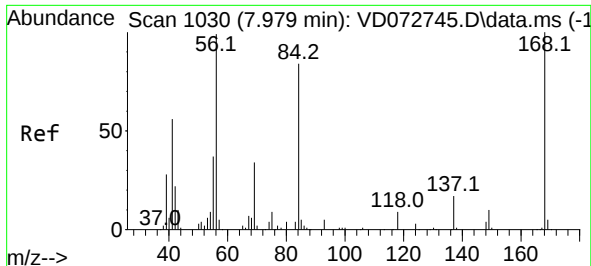
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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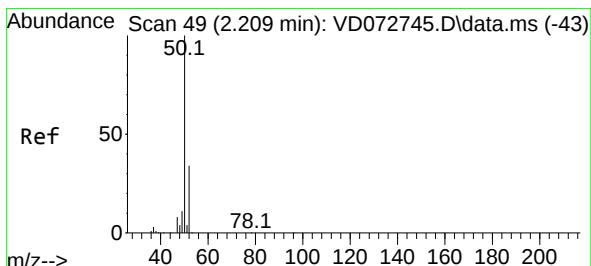
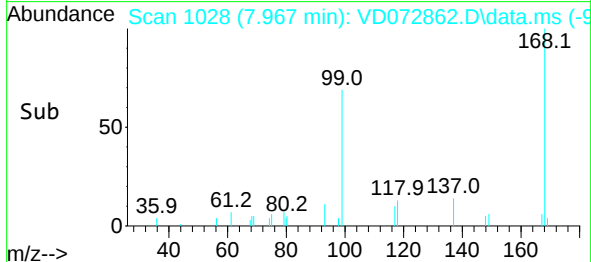
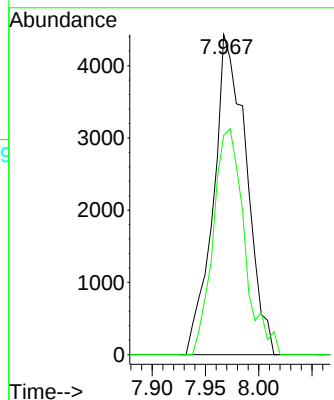
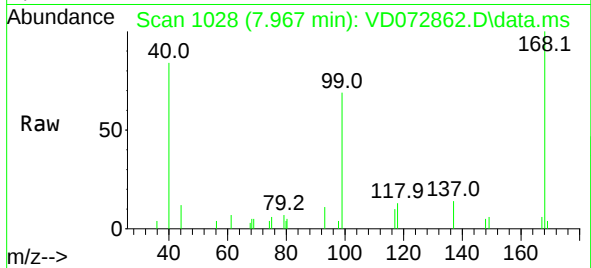




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD072862.D
Acq: 06 May 2022 20:18

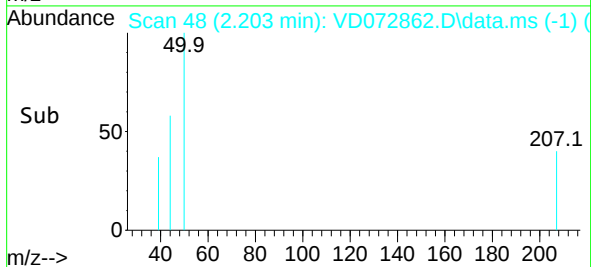
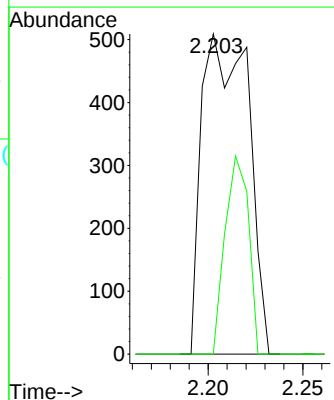
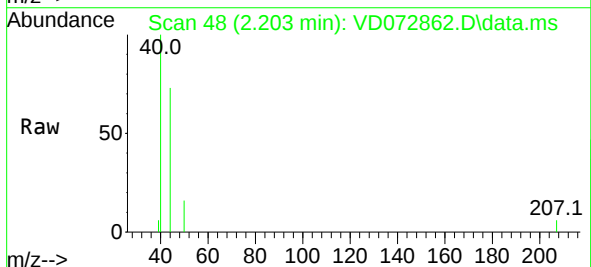
Instrument :
MSVOA_D
ClientSampleId :
OK-01-050422

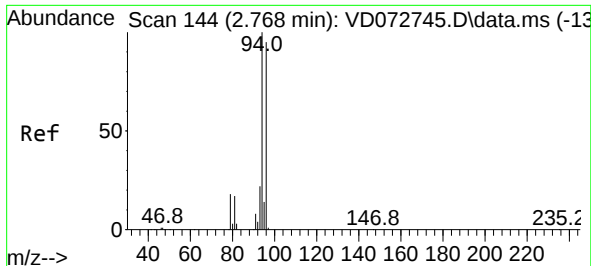
Tgt Ion:168 Resp: 9500
Ion Ratio Lower Upper
168 100
99 68.6 49.8 74.6



#3
Chloromethane
Concen: 6.387 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072862.D
Acq: 06 May 2022 20:18

Tgt Ion: 50 Resp: 872
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

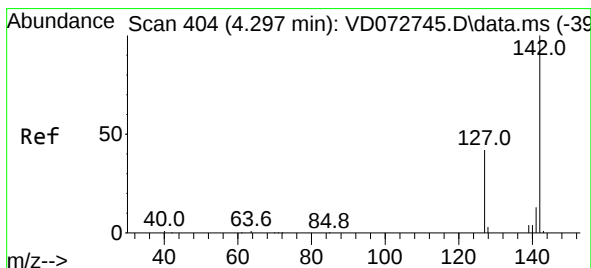
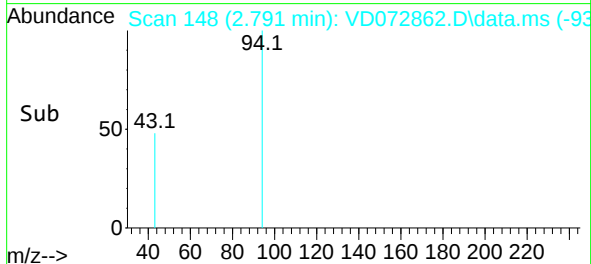
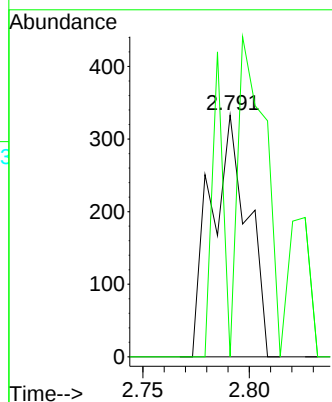
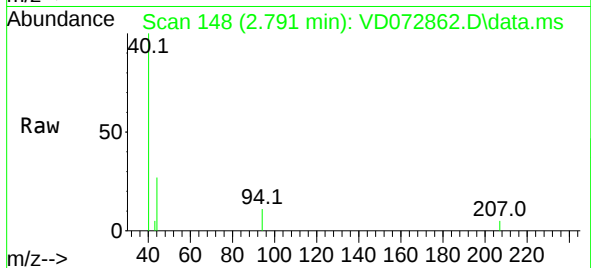




#5
Bromomethane
Concen: 3.897 ug/l
RT: 2.791 min Scan# 144
Delta R.T. 0.023 min
Lab File: VD072862.D
Acq: 06 May 2022 20:18

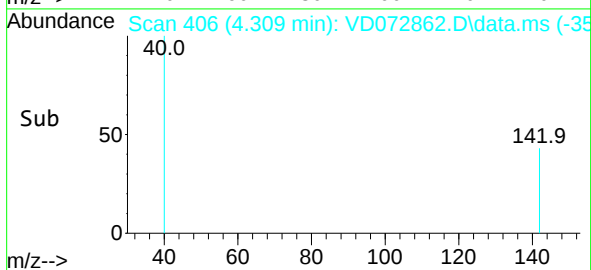
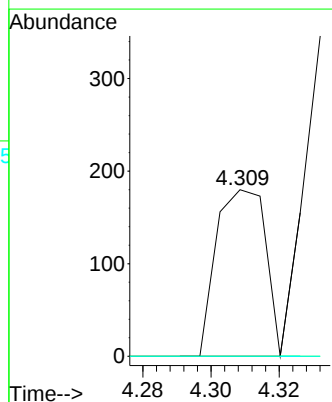
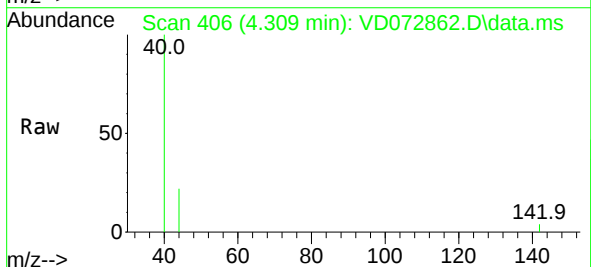
Instrument :
MSVOA_D
ClientSampleId :
OK-01-050422

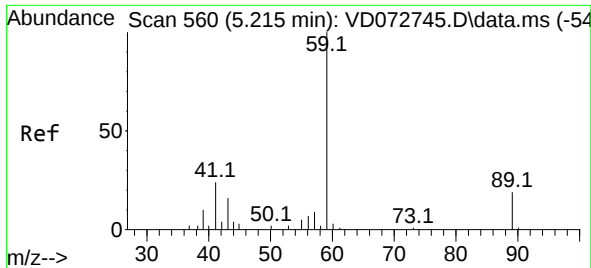
Tgt Ion: 94 Resp: 401
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#



#10
Methyl Iodide
Concen: 1.408 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD072862.D
Acq: 06 May 2022 20:18

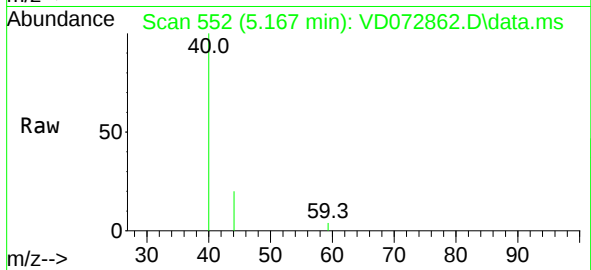
Tgt Ion: 142 Resp: 180
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#



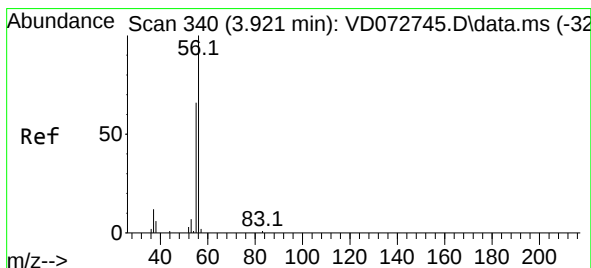
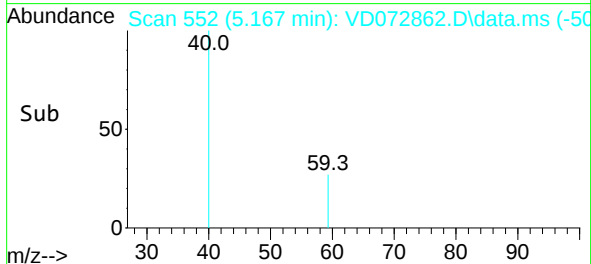
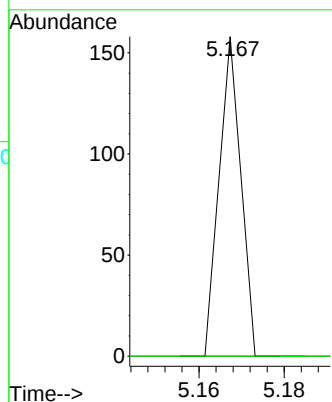


#11
Tert butyl alcohol
Concen: 5.249 ug/l
RT: 5.167 min Scan# 51
Delta R.T. -0.048 min
Lab File: VD072862.D
Acq: 06 May 2022 20:18

Instrument :
MSVOA_D
ClientSampleId :
OK-01-050422

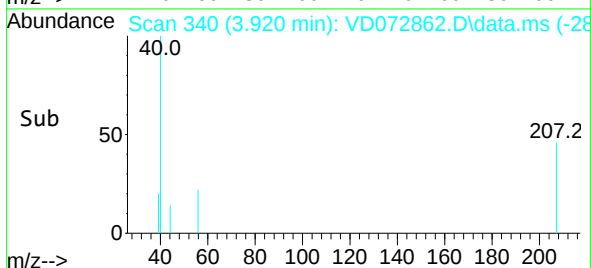
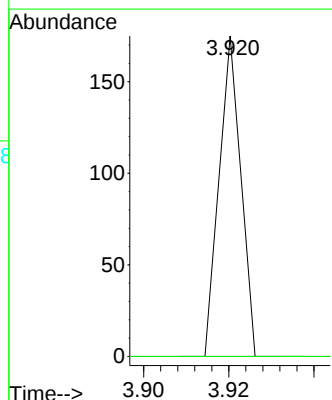
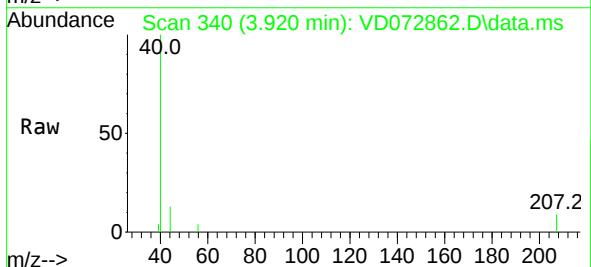


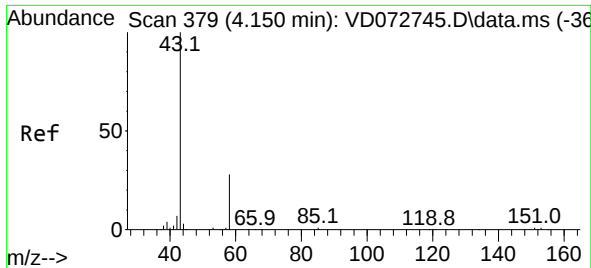
Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: Below Cal
RT: 3.920 min Scan# 340
Delta R.T. -0.001 min
Lab File: VD072862.D
Acq: 06 May 2022 20:18

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

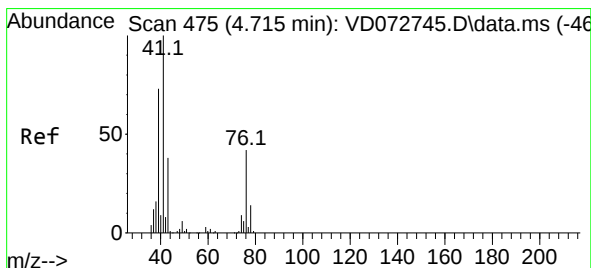
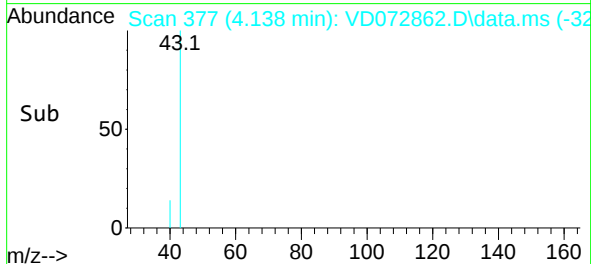
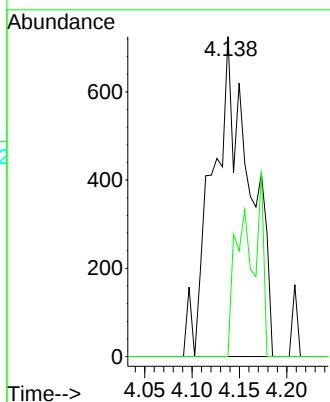
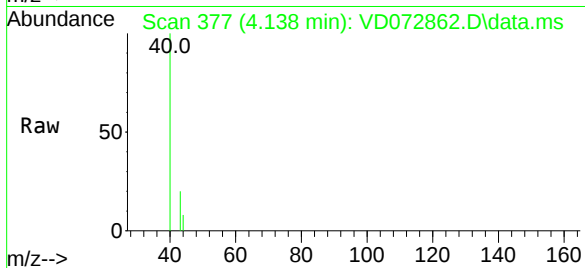




#16
Acetone
Concen: 76.680 ug/l
RT: 4.138 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD072862.D
Acq: 06 May 2022 20:18

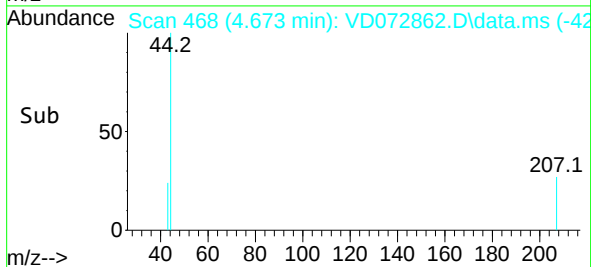
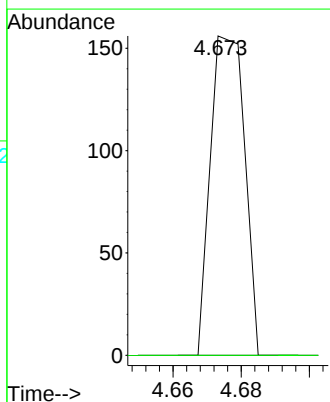
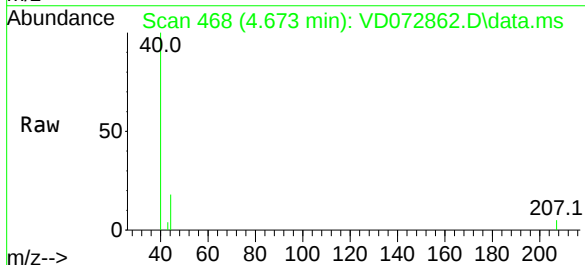
Instrument :
MSVOA_D
ClientSampleId :
OK-01-050422

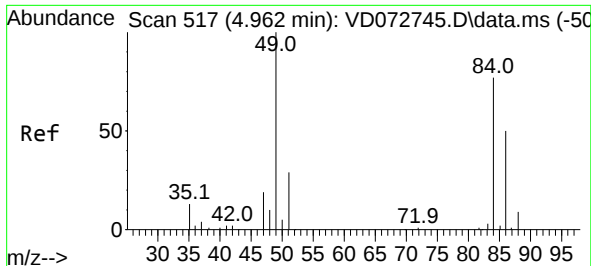
Tgt Ion: 43 Resp: 1993
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#18
Methyl Acetate
Concen: 1.385 ug/l
RT: 4.673 min Scan# 468
Delta R.T. -0.042 min
Lab File: VD072862.D
Acq: 06 May 2022 20:18

Tgt Ion: 43 Resp: 109
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.950 min Scan# 51

Delta R.T. -0.012 min

Lab File: VD072862.D

Acq: 06 May 2022 20:18

Instrument :

MSVOA_D

ClientSampleId :

OK-01-050422

Tgt Ion: 84 Resp: 67

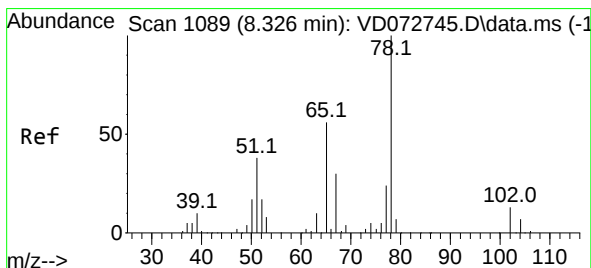
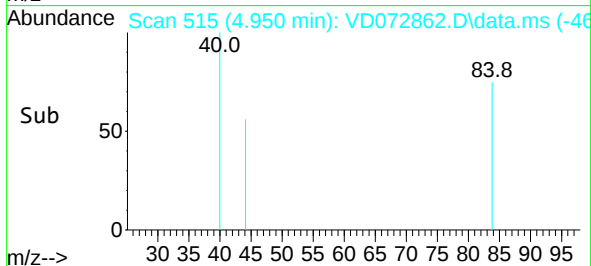
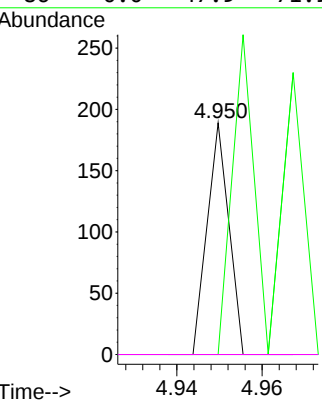
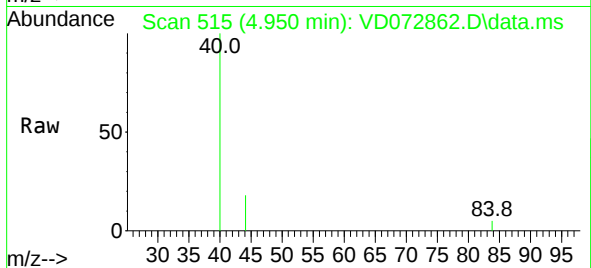
Ion Ratio Lower Upper

84 100

49 0.0 112.8 169.2#

51 0.0 32.6 48.8#

86 0.0 47.9 71.9#



#33

1,2-Dichloroethane-d4

Concen: 67.282 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD072862.D

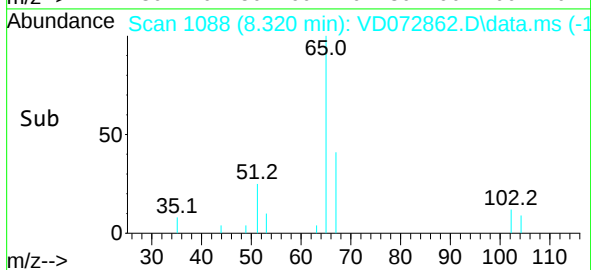
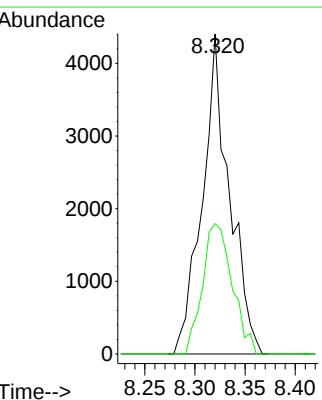
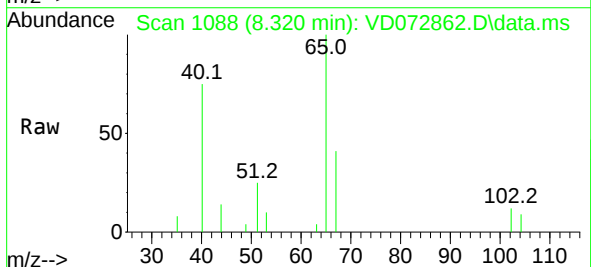
Acq: 06 May 2022 20:18

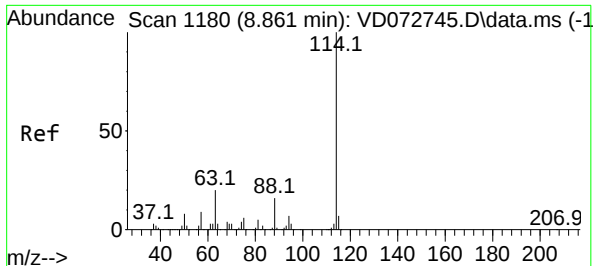
Tgt Ion: 65 Resp: 8297

Ion Ratio Lower Upper

65 100

67 44.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1119

Delta R.T. -0.006 min

Lab File: VD072862.D

Acq: 06 May 2022 20:18

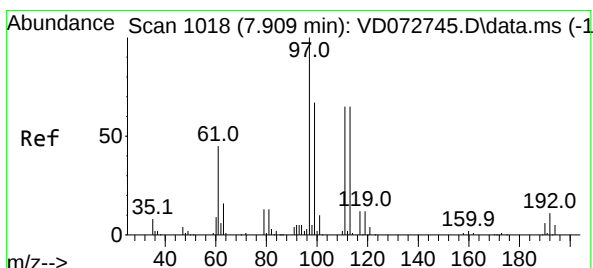
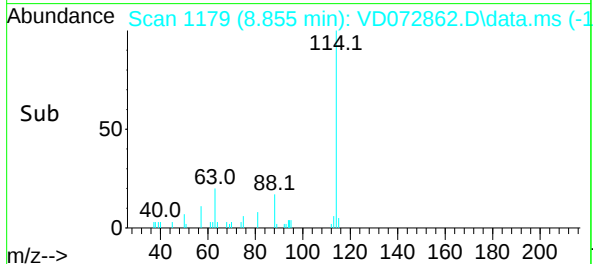
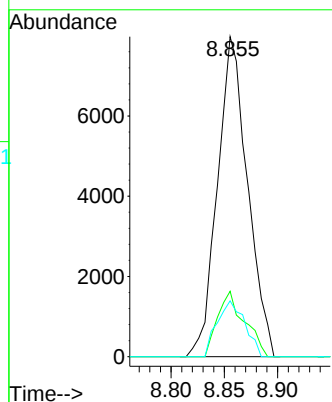
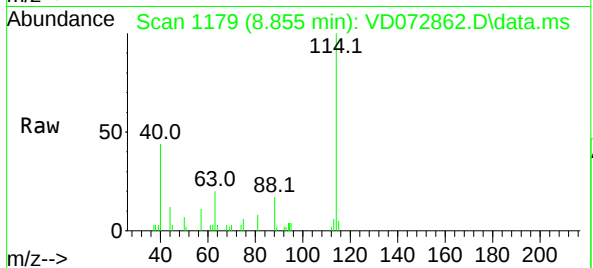
Instrument :

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ClientSampleId :

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Tgt Ion:114	Resp:	15660
Ion	Ratio	Lower Upper
114	100	
63	20.4	0.0 46.6
88	17.5	0.0 33.2



#35

Dibromofluoromethane

Concen: 56.164 ug/l

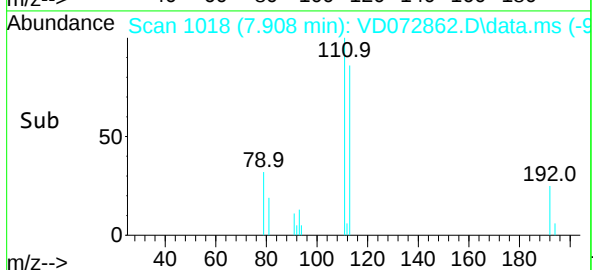
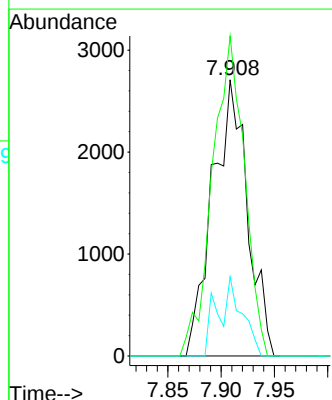
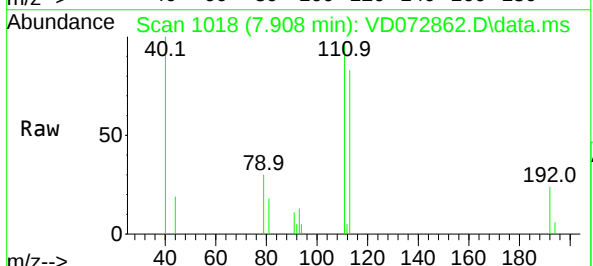
RT: 7.908 min Scan# 1018

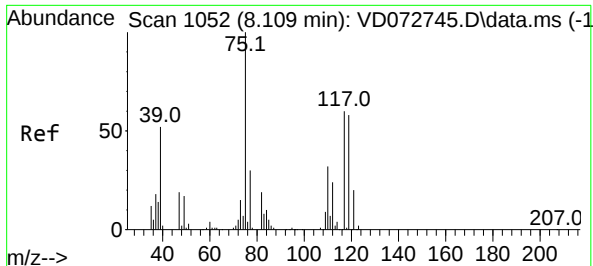
Delta R.T. -0.001 min

Lab File: VD072862.D

Acq: 06 May 2022 20:18

Tgt Ion:113	Resp:	6177
Ion	Ratio	Lower Upper
113	100	
111	106.1	83.8 125.6
192	19.8	14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.770 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072862.D

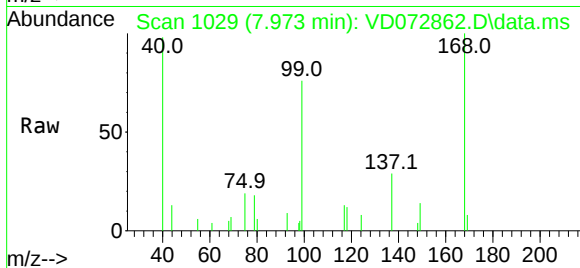
Acq: 06 May 2022 20:18

Instrument :

MSVOA_D

ClientSampleId :

OK-01-050422



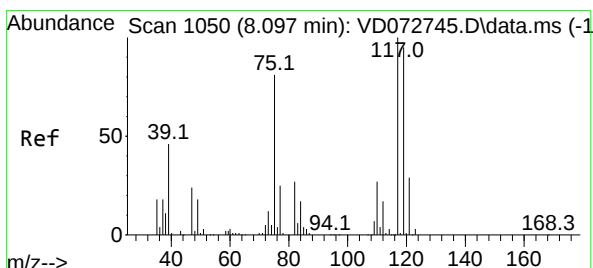
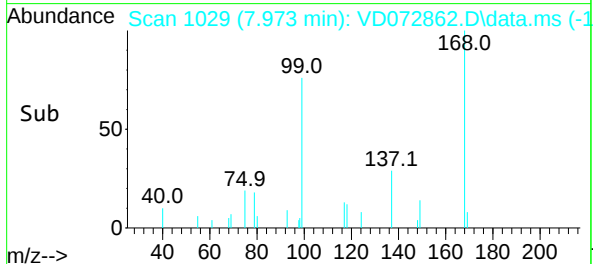
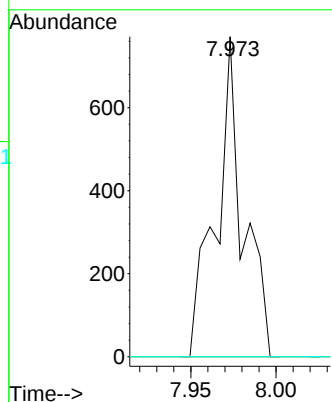
Tgt Ion: 75 Resp: 853

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.839 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD072862.D

Acq: 06 May 2022 20:18

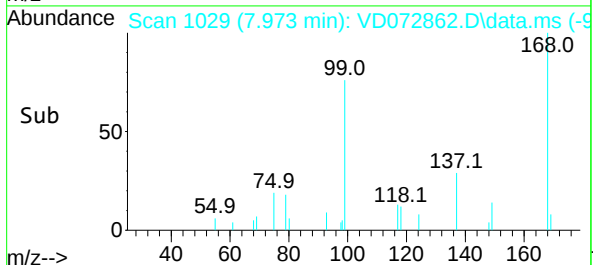
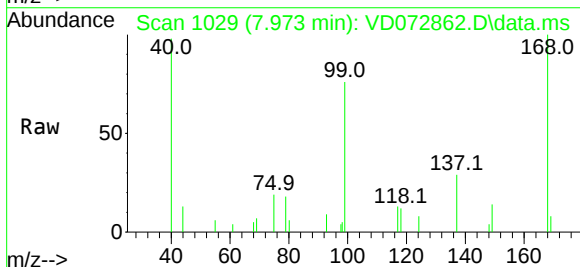
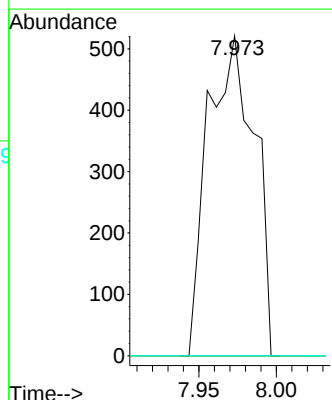
Tgt Ion: 117 Resp: 1084

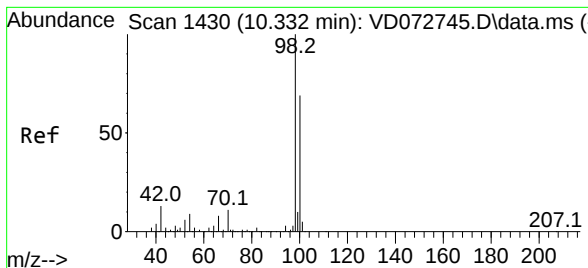
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

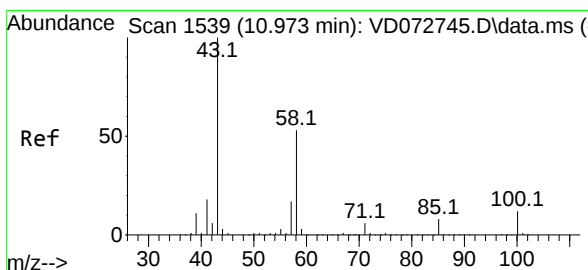
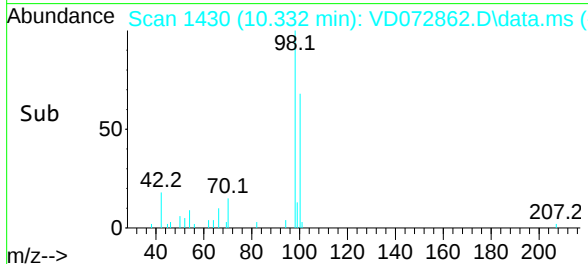
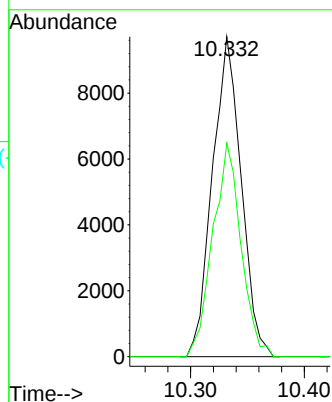
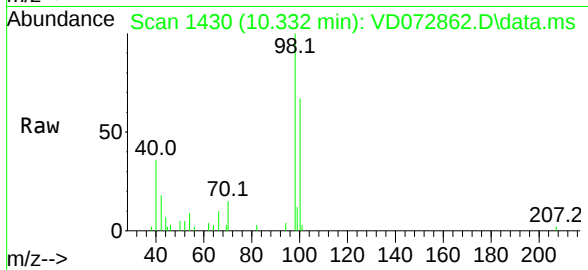




#50
Toluene-d8
Concen: 43.309 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072862.D
Acq: 06 May 2022 20:18

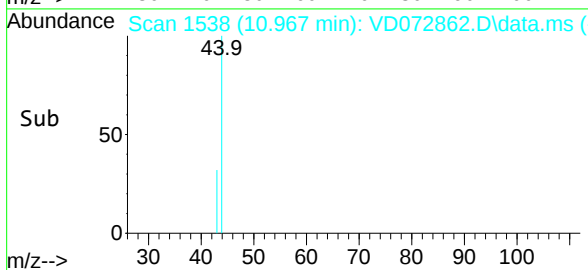
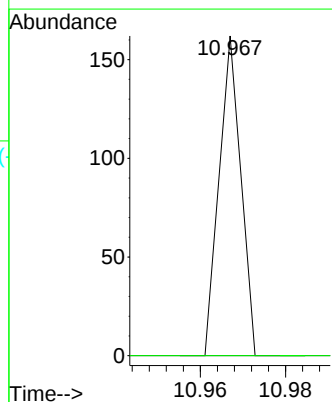
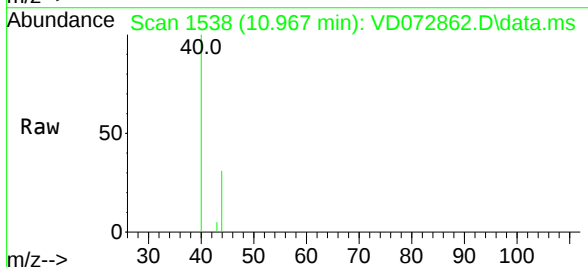
Instrument :
MSVOA_D
ClientSampleId :
OK-01-050422

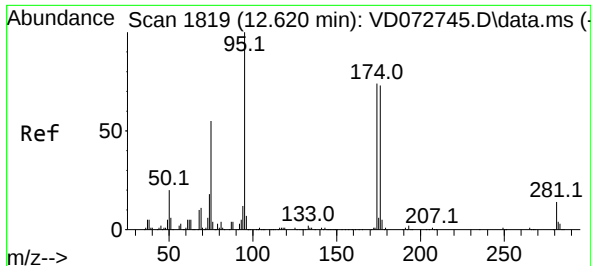
Tgt Ion: 98 Resp: 17086
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#59
2-Hexanone
Concen: 1.074 ug/l
RT: 10.967 min Scan# 1538
Delta R.T. -0.006 min
Lab File: VD072862.D
Acq: 06 May 2022 20:18

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

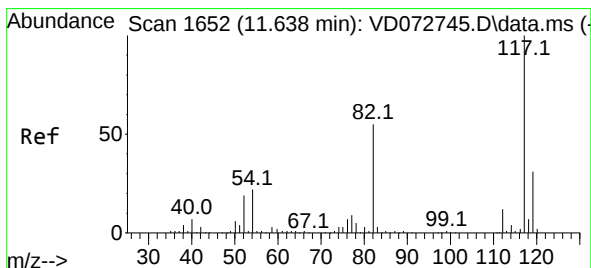
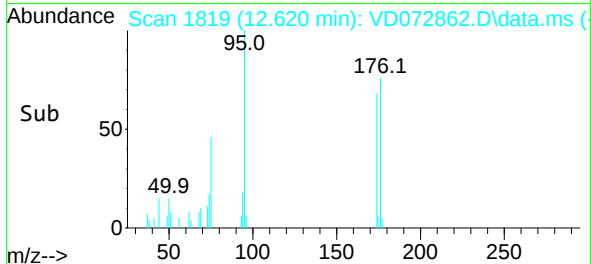
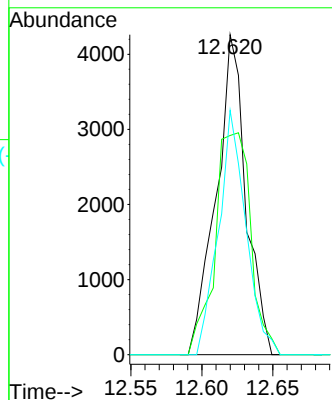
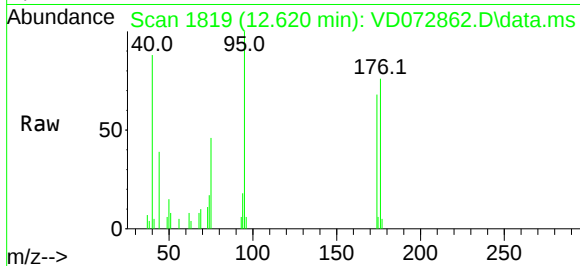




#62
4-Bromofluorobenzene
Concen: 42.188 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072862.D
Acq: 06 May 2022 20:18

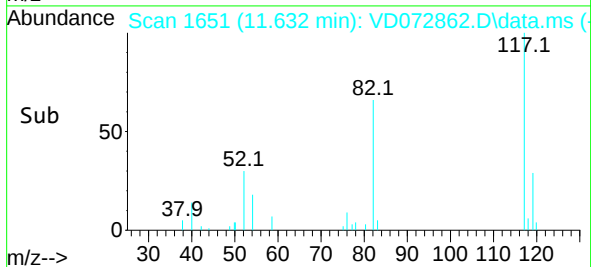
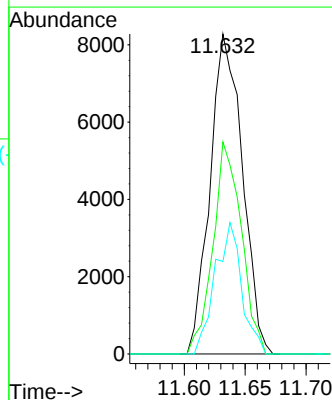
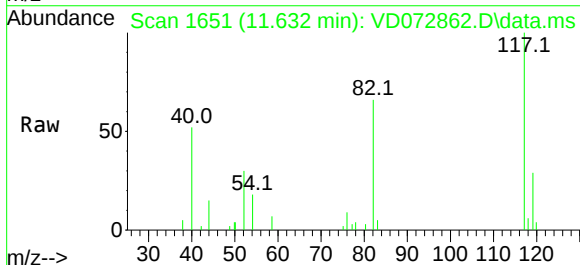
Instrument :
MSVOA_D
ClientSampleId :
OK-01-050422

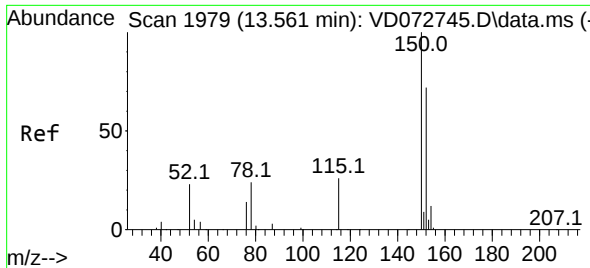
Tgt Ion:	95	Resp:	6206
Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	152.8
176	70.4	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072862.D
Acq: 06 May 2022 20:18

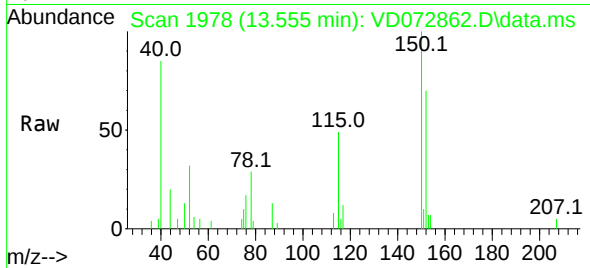
Tgt Ion:	117	Resp:	15298
Ion	Ratio	Lower	Upper
117	100		
82	66.3	45.3	67.9
119	28.9	26.6	40.0



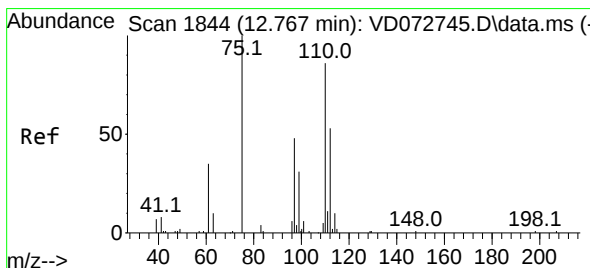
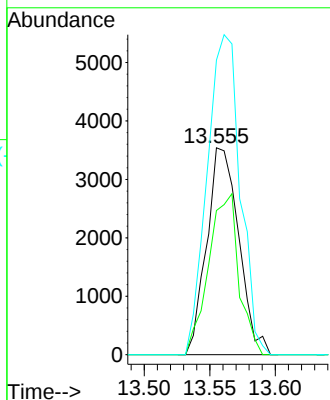
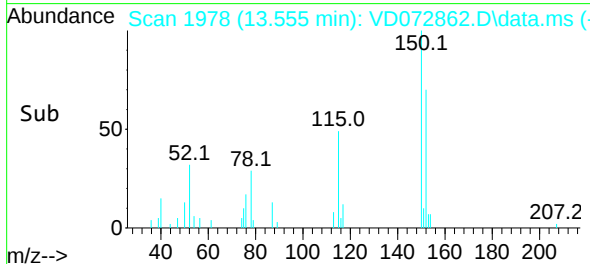


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.555 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD072862.D
 Acq: 06 May 2022 20:18

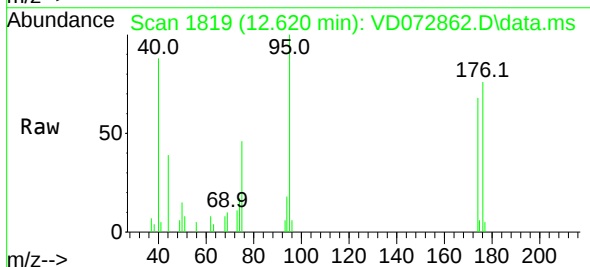
Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-050422



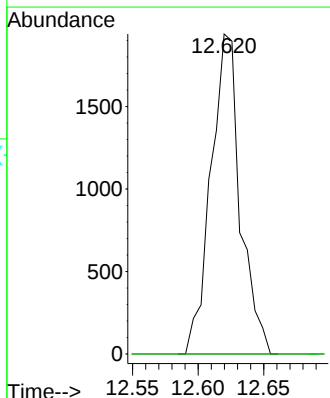
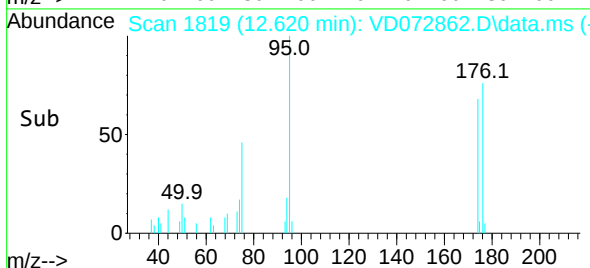
Tgt Ion:152 Resp: 6027
 Ion Ratio Lower Upper
 152 100
 115 73.1 31.3 93.8
 150 159.5 0.0 348.6

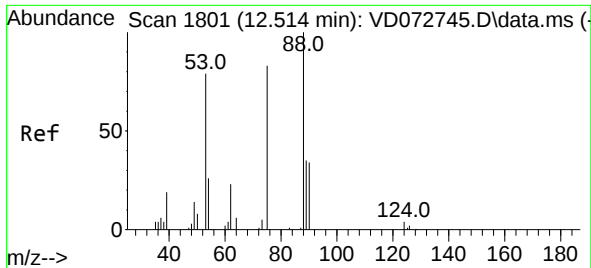


#76
 1,2,3-Trichloropropane
 Concen: 44.907 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD072862.D
 Acq: 06 May 2022 20:18



Tgt Ion: 75 Resp: 3018
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

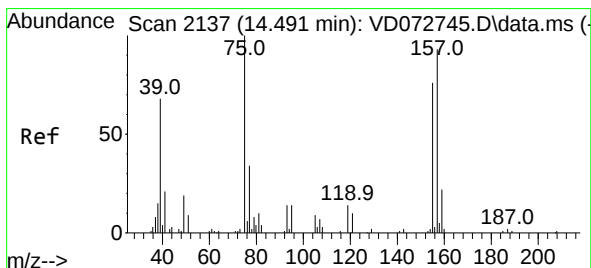
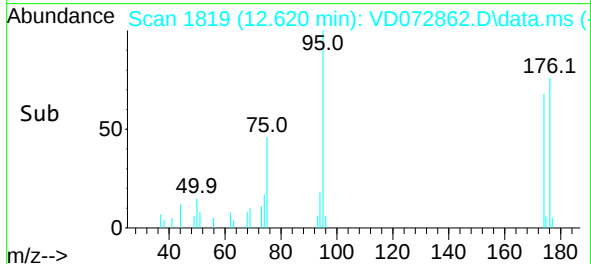
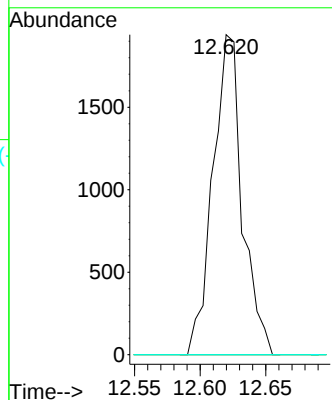
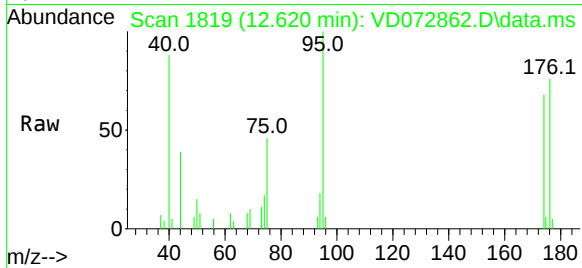




#81
trans-1,4-Dichloro-2-butene
Concen: 103.269 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD072862.D
Acq: 06 May 2022 20:18

Instrument :
MSVOA_D
ClientSampleId :
OK-01-050422

Tgt Ion: 75 Resp: 3018
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.199 ug/l
RT: 14.679 min Scan# 2169
Delta R.T. 0.188 min
Lab File: VD072862.D
Acq: 06 May 2022 20:18

Tgt Ion: 75 Resp: 63
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#

