

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122823\
 Data File : VD078092.D
 Acq On : 28 Dec 2023 15:03
 Operator : RP/MD
 Sample : 06033-01
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-05-122723

Quant Time: Dec 28 22:25:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

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

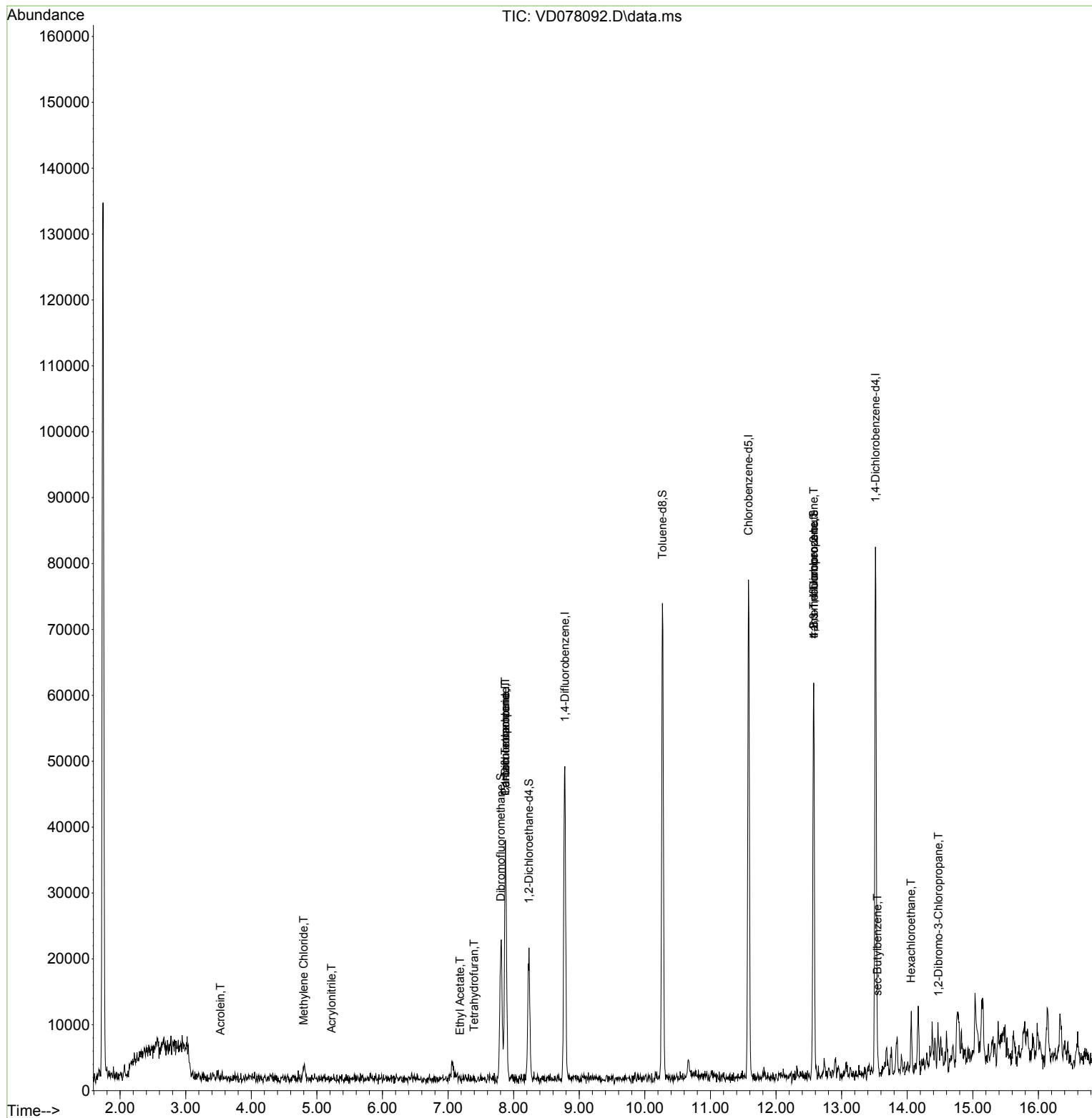
Internal Standards						
1) Pentafluorobenzene	7.875	168	27952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	45041	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	47018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	21079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	14807	59.535	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.080%			
35) Dibromofluoromethane	7.804	113	16325	56.330	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.660%			
50) Toluene-d8	10.269	98	53689	52.649	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.300%			
62) 4-Bromofluorobenzene	12.575	95	18520	56.444	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.880%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.028	59	61	Below Cal	#	73
13) Acrolein	3.528	56	56	4.275	ug/l #	15
15) Acrylonitrile	5.222	53	57	1.037	ug/l #	18
16) Acetone	4.040	43	525	Below Cal	#	32
20) Methylene Chloride	4.799	84	1263	1.027	ug/l #	54
25) 2-Butanone	7.069	43	53	Below Cal	#	37
29) Tetrahydrofuran	7.399	42	56	1.455	ug/l #	23
36) 1,1-Dichloropropene	7.875	75	2225	5.457	ug/l #	43
37) Ethyl Acetate	7.181	43	169	1.246	ug/l #	62
38) Carbon Tetrachloride	7.875	117	2796	6.328	ug/l #	11
76) 1,2,3-Trichloropropane	12.575	75	9282	52.194	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	9282	112.466	ug/l #	17
85) sec-Butylbenzene	13.545	105	1732	1.128	ug/l #	54
90) Hexachloroethane	14.057	117	598	2.176	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.475	75	140	3.788	ug/l #	1

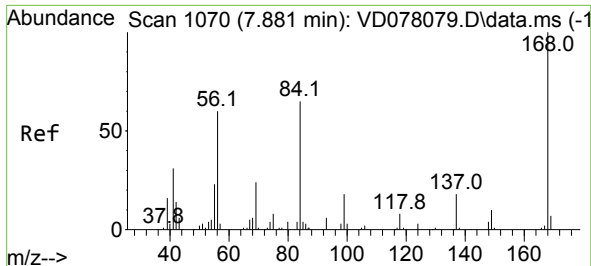
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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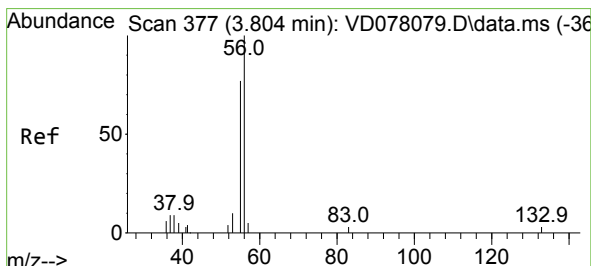
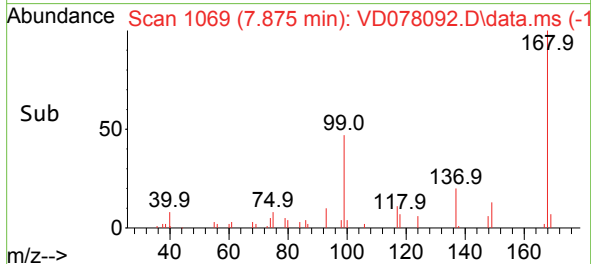
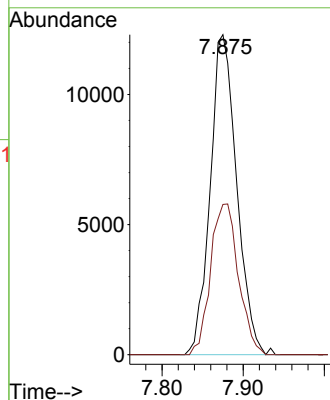
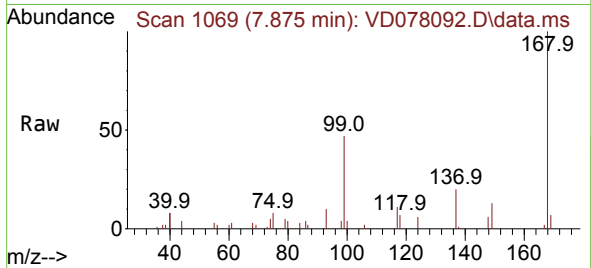




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

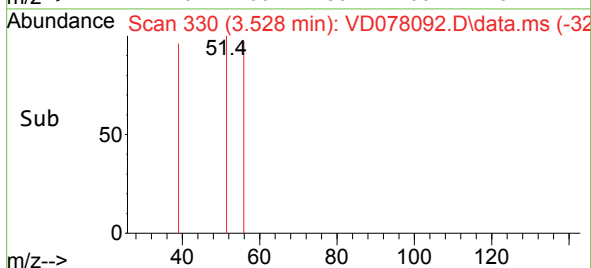
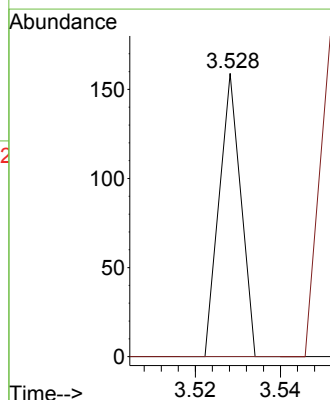
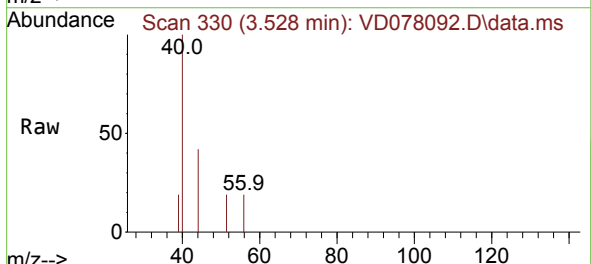
Instrument :
MSVOA_D
ClientSampleId :
OR-05-122723

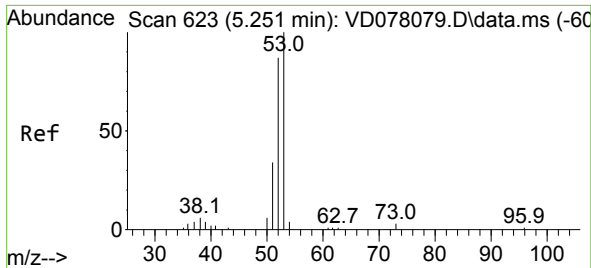
Tgt Ion:168 Resp: 27952
Ion Ratio Lower Upper
168 100
99 47.0 36.7 55.1



#13
Acrolein
Concen: 4.275 ug/l
RT: 3.528 min Scan# 330
Delta R.T. -0.276 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#

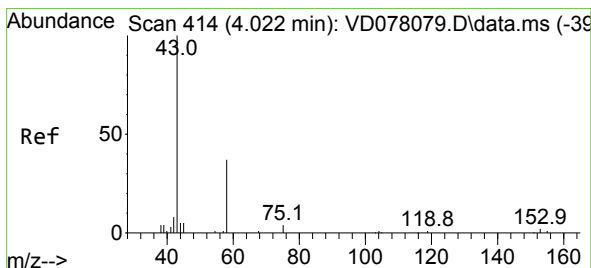
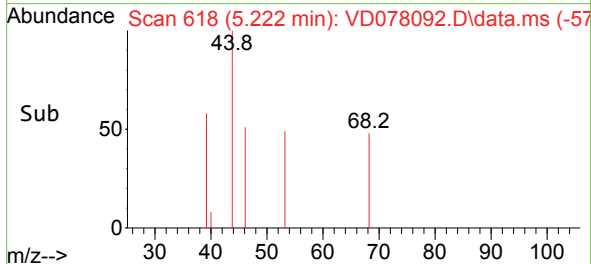
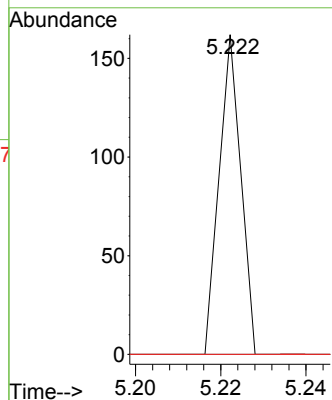
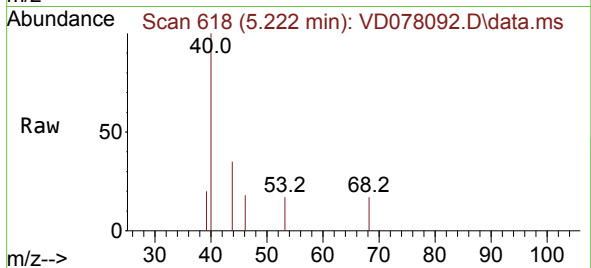




#15
Acrylonitrile
Concen: 1.037 ug/l
RT: 5.222 min Scan# 61
Delta R.T. -0.029 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

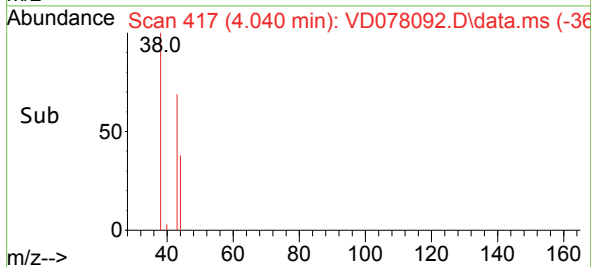
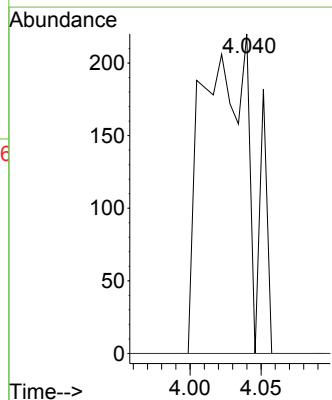
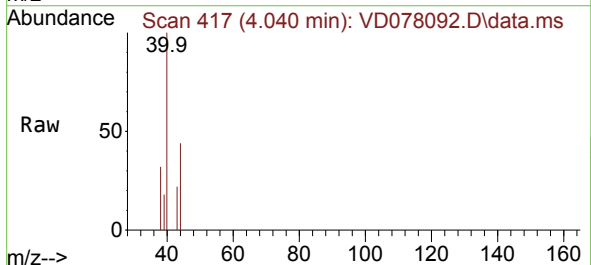
Instrument :
MSVOA_D
ClientSampleId :
OR-05-122723

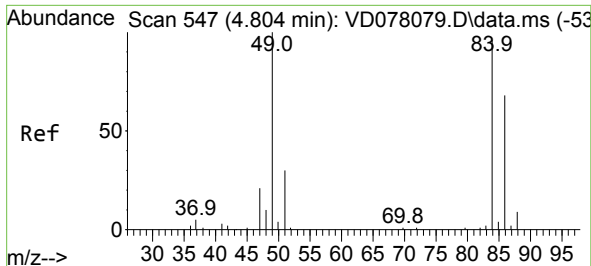
Tgt Ion: 53 Resp: 57
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 0.0 28.3 42.5#



#16
Acetone
Concen: Below Cal
RT: 4.040 min Scan# 417
Delta R.T. 0.018 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

Tgt Ion: 43 Resp: 525
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

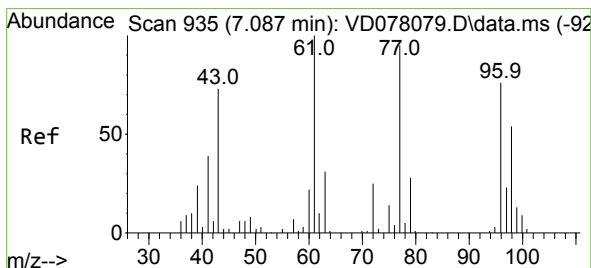
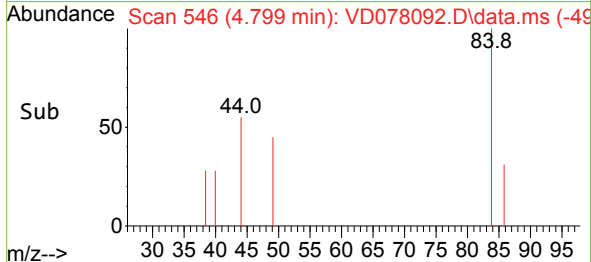
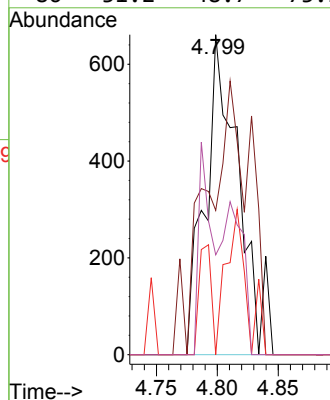
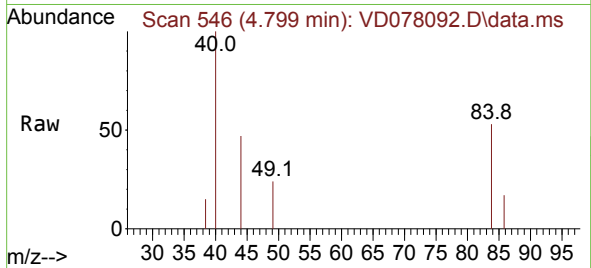




#20
Methylene Chloride
Concen: 1.027 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.005 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

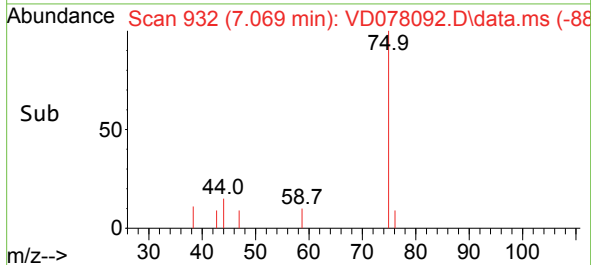
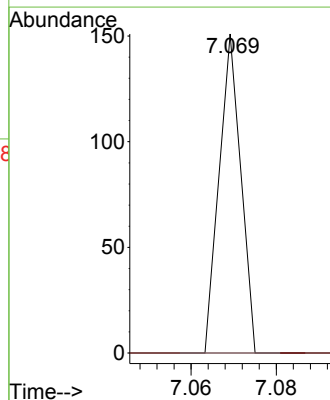
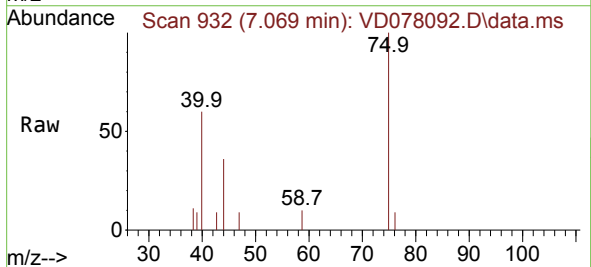
Instrument :
MSVOA_D
ClientSampleId :
OR-05-122723

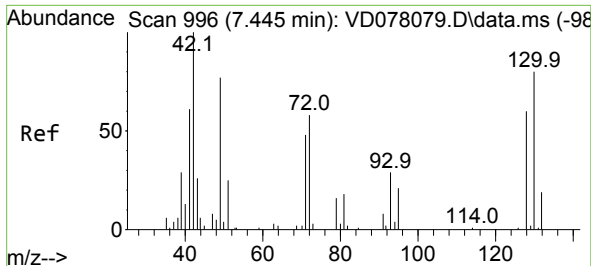
Tgt Ion: 84 Resp: 1263
Ion Ratio Lower Upper
84 100
49 45.1 71.4 107.2#
51 0.0 24.5 36.7#
86 31.2 48.7 73.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 932
Delta R.T. -0.018 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#29

Tetrahydrofuran

Concen: 1.455 ug/l

RT: 7.399 min Scan# 91

Delta R.T. -0.047 min

Lab File: VD078092.D

Acq: 28 Dec 2023 15:03

Instrument :

MSVOA_D

ClientSampleId :

OR-05-122723

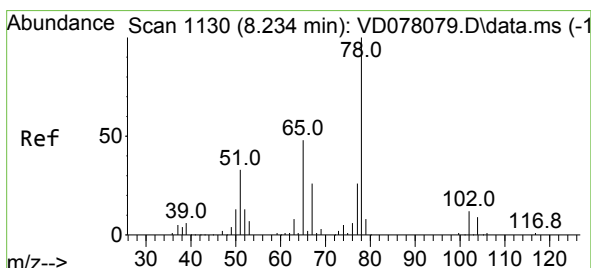
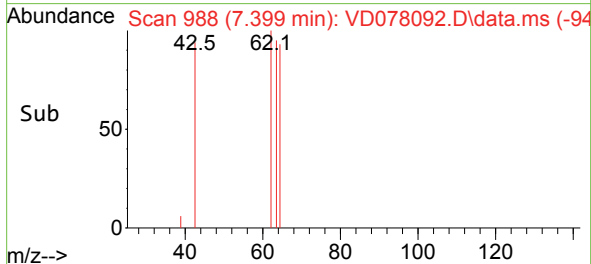
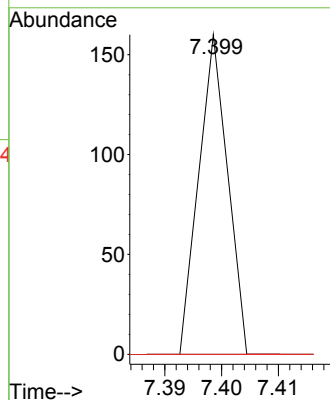
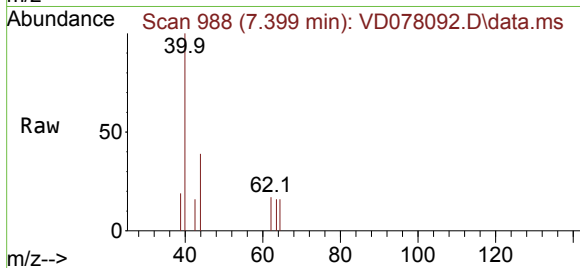
Tgt Ion: 42 Resp: 56

Ion Ratio Lower Upper

42 100

72 0.0 46.5 69.7#

71 0.0 44.5 66.7#



#33

1,2-Dichloroethane-d4

Concen: 59.535 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078092.D

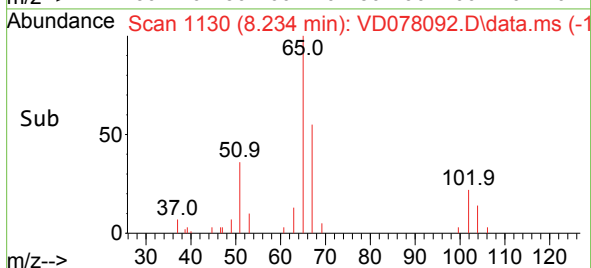
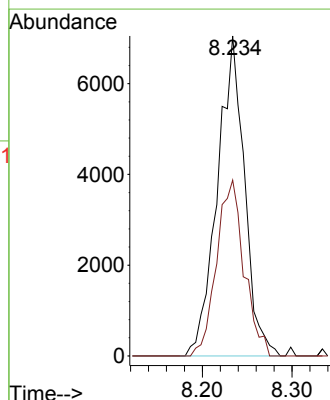
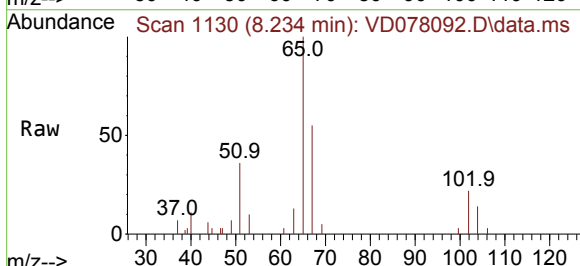
Acq: 28 Dec 2023 15:03

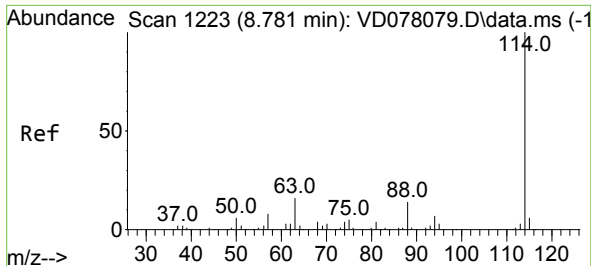
Tgt Ion: 65 Resp: 14807

Ion Ratio Lower Upper

65 100

67 55.7 0.0 115.0

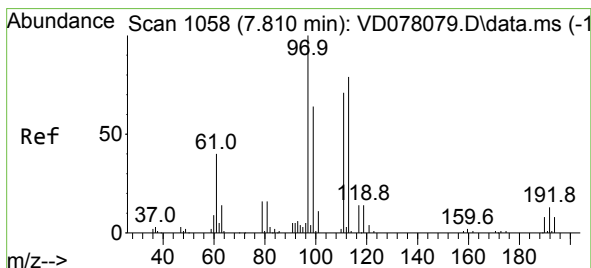
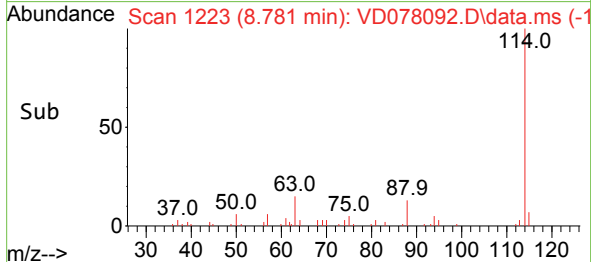
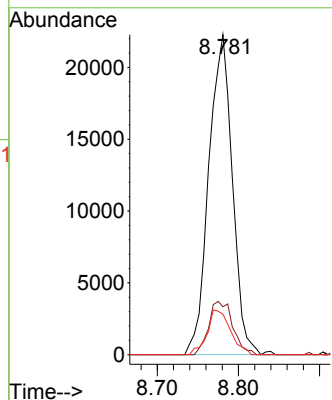
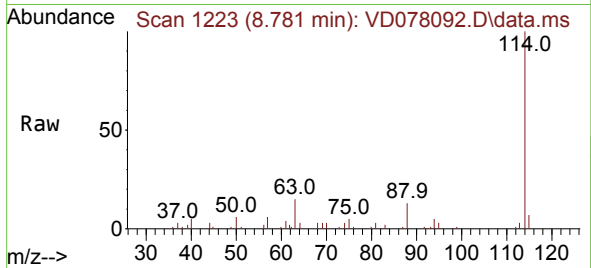




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

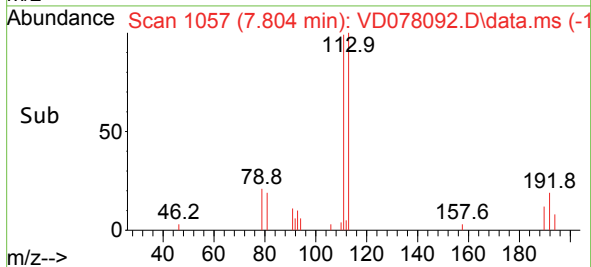
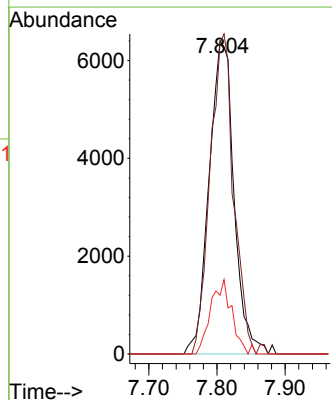
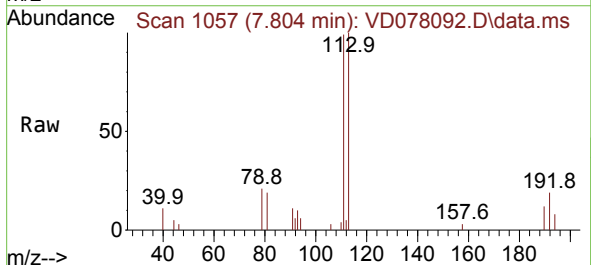
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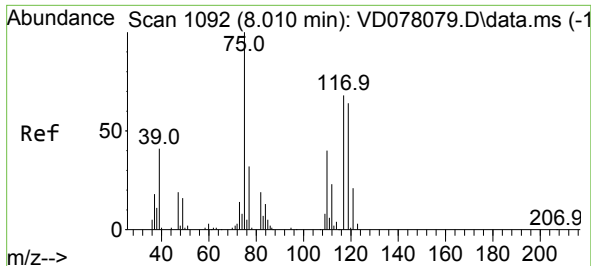
Tgt Ion:114 Resp: 45041
Ion Ratio Lower Upper
114 100
63 15.0 0.0 33.4
88 12.7 0.0 26.2



#35
Dibromofluoromethane
Concen: 56.330 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

Tgt Ion:113 Resp: 16325
Ion Ratio Lower Upper
113 100
111 95.8 84.7 127.1
192 19.7 16.8 25.2

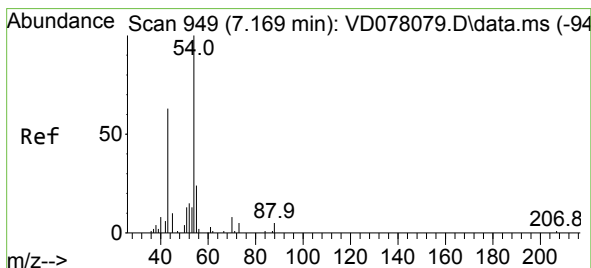
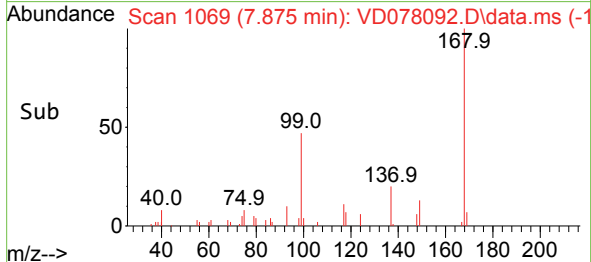
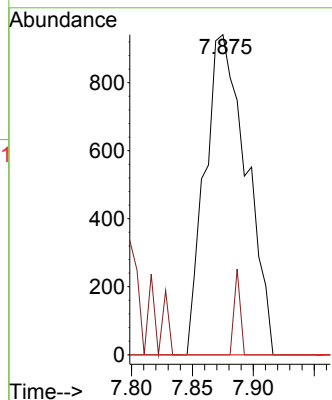
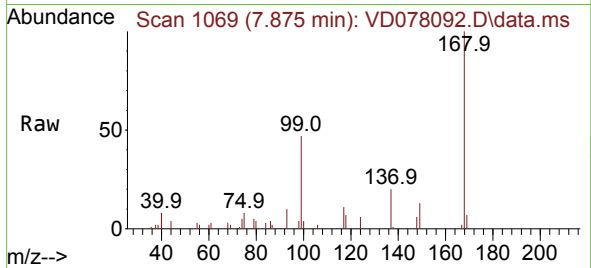




#36
1,1-Dichloropropene
Concen: 5.457 ug/l
RT: 7.875 min Scan# 1092
Delta R.T. -0.135 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

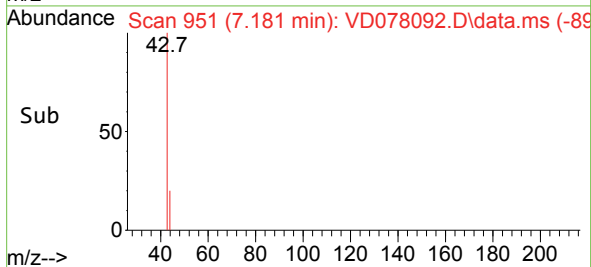
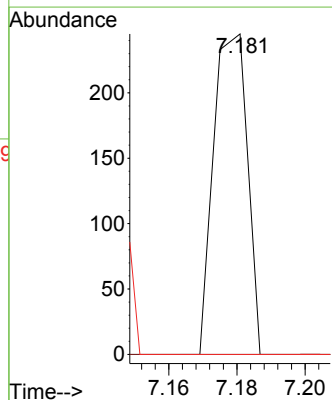
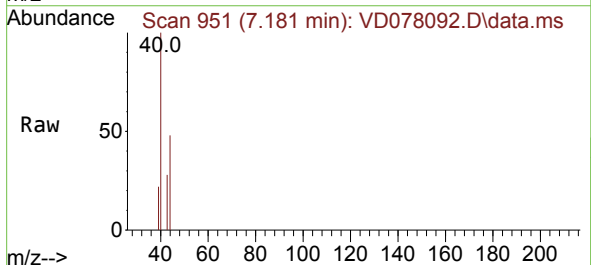
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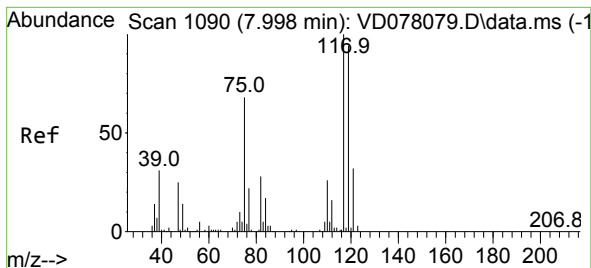
Tgt Ion: 75 Resp: 2225
Ion Ratio Lower Upper
75 100
110 4.0 19.9 59.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.246 ug/l
RT: 7.181 min Scan# 951
Delta R.T. 0.012 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

Tgt Ion: 43 Resp: 169
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 0.0 10.0 15.0#





#38

Carbon Tetrachloride

Concen: 6.328 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.123 min

Lab File: VD078092.D

Acq: 28 Dec 2023 15:03

Instrument :

MSVOA_D

ClientSampleId :

OR-05-122723

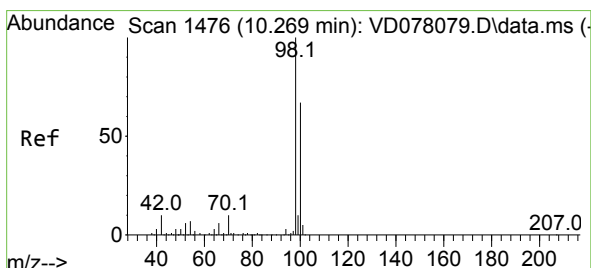
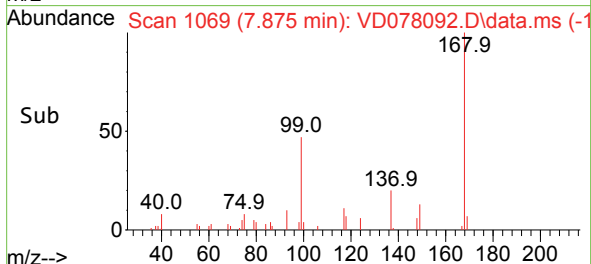
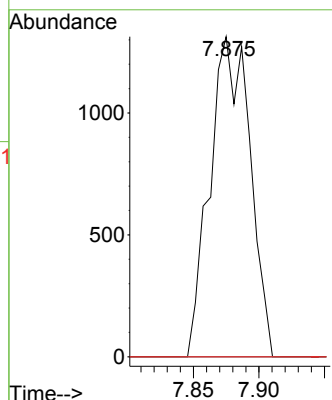
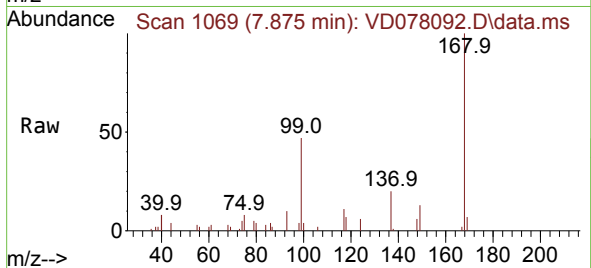
Tgt Ion:117 Resp: 2796

Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 52.649 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078092.D

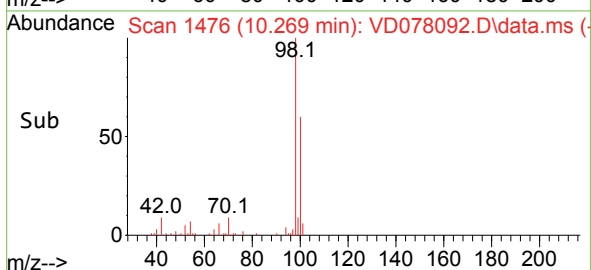
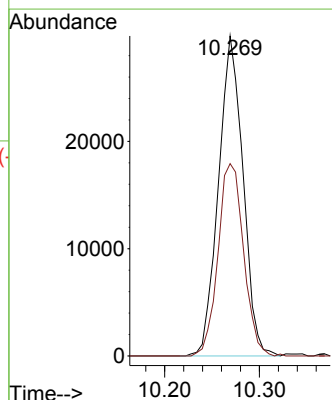
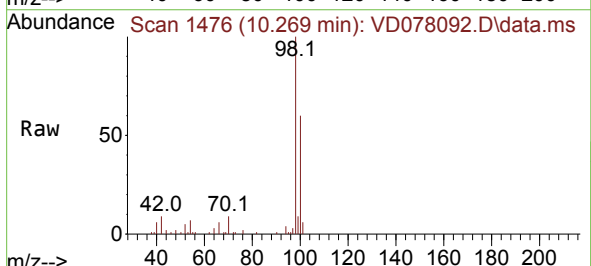
Acq: 28 Dec 2023 15:03

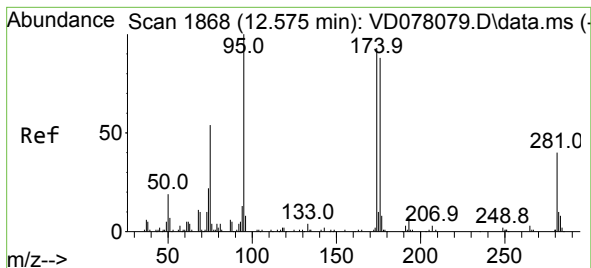
Tgt Ion: 98 Resp: 53689

Ion Ratio Lower Upper

98 100

100 62.8 50.3 75.5

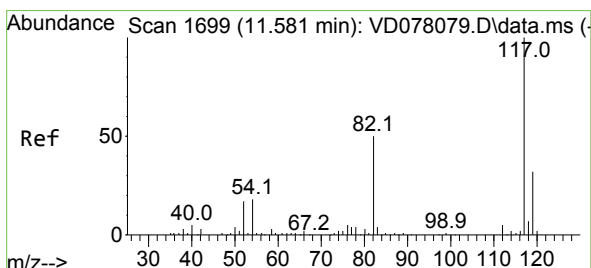
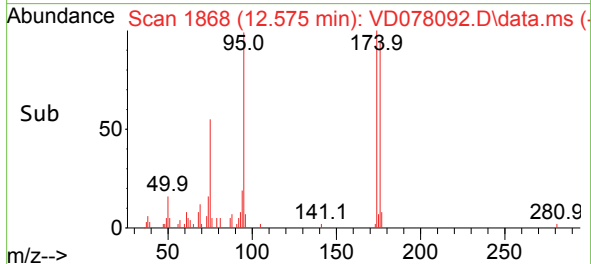
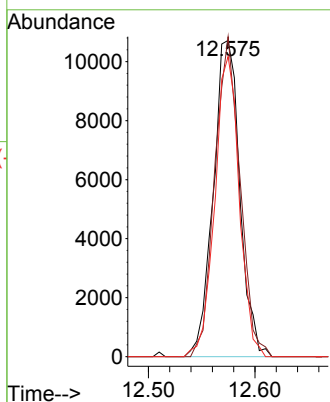
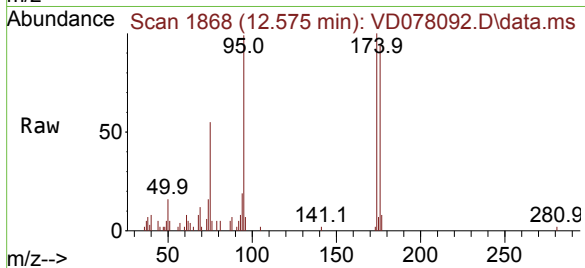




#62
4-Bromofluorobenzene
Concen: 56.444 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

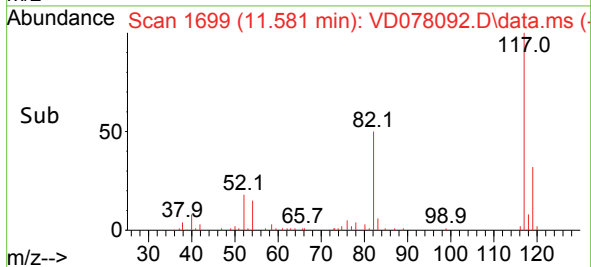
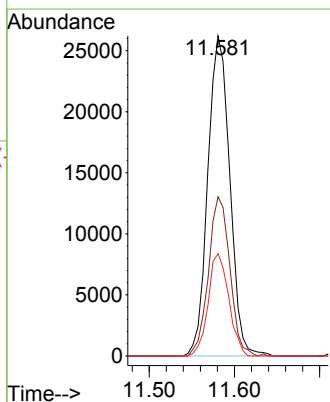
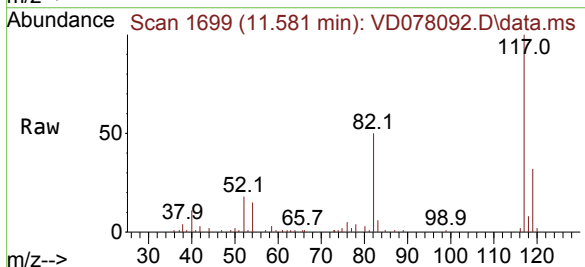
Instrument :
MSVOA_D
ClientSampleId :
OR-05-122723

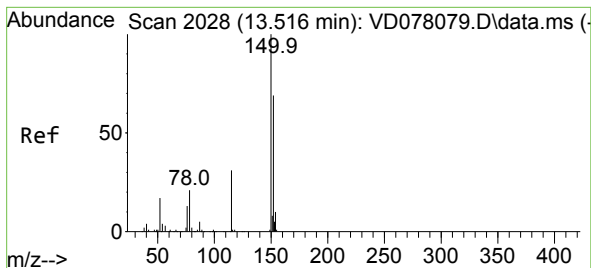
Tgt Ion:	95	Resp:	18520
Ion	Ratio	Lower	Upper
95	100		
174	96.2	0.0	201.8
176	87.6	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

Tgt Ion:	117	Resp:	47018
Ion	Ratio	Lower	Upper
117	100		
82	49.7	38.3	57.5
119	32.0	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD078092.D

Acq: 28 Dec 2023 15:03

Instrument :

MSVOA_D

ClientSampleId :

OR-05-122723

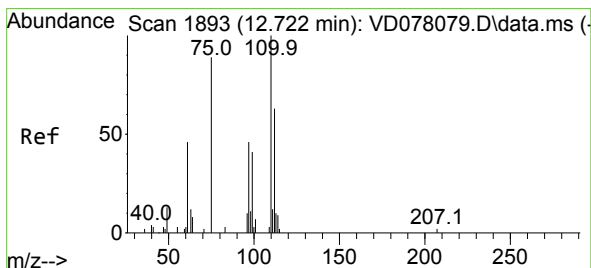
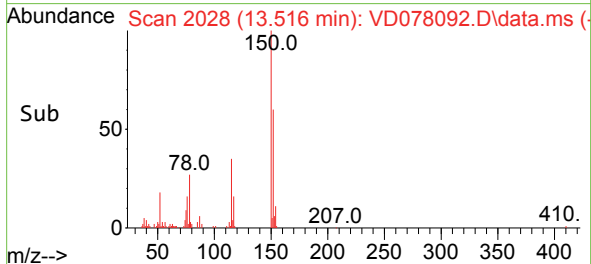
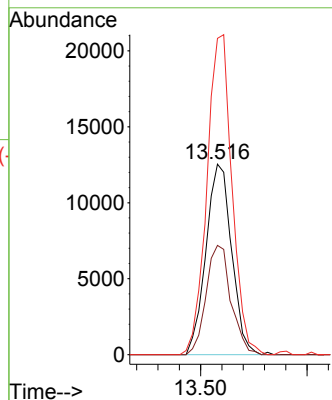
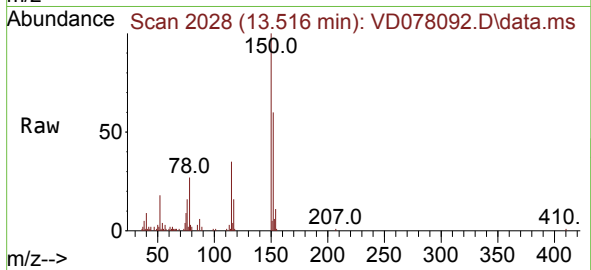
Tgt Ion:152 Resp: 21079

Ion Ratio Lower Upper

152 100

115 55.5 27.1 81.3

150 163.7 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 52.194 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078092.D

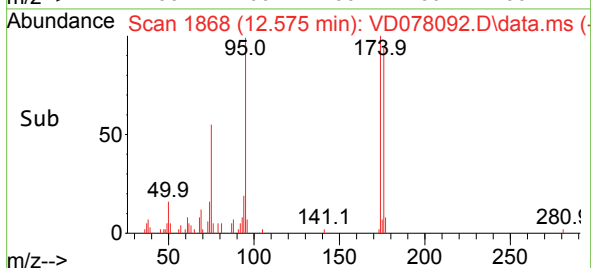
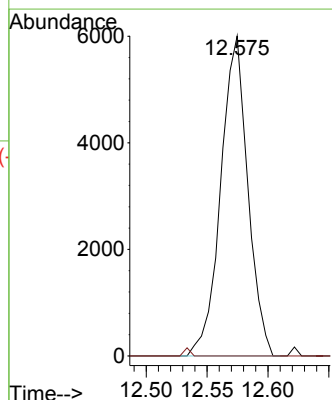
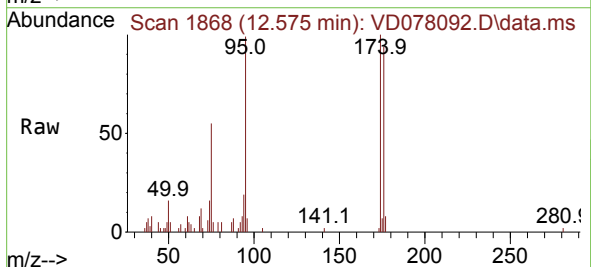
Acq: 28 Dec 2023 15:03

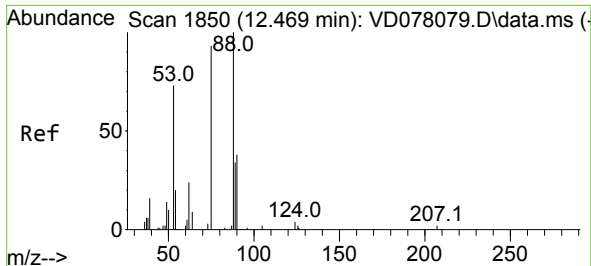
Tgt Ion: 75 Resp: 9282

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

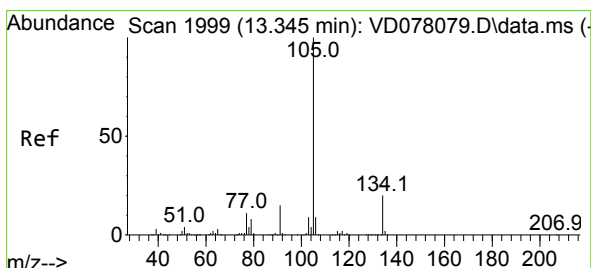
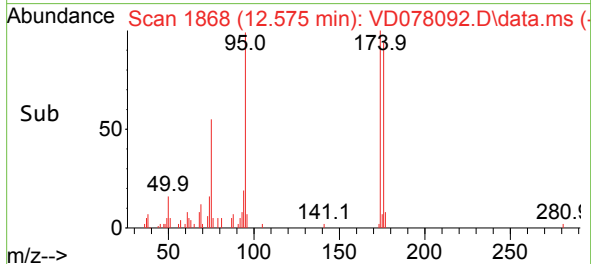
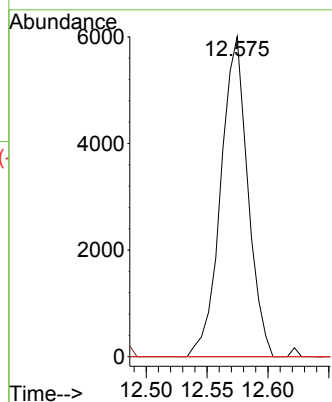
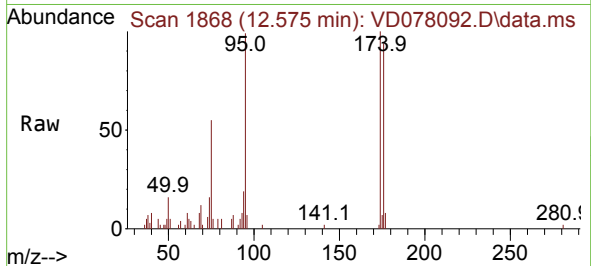




#81
trans-1,4-Dichloro-2-butene
Concen: 112.466 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

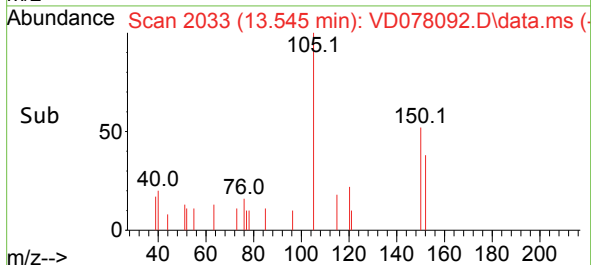
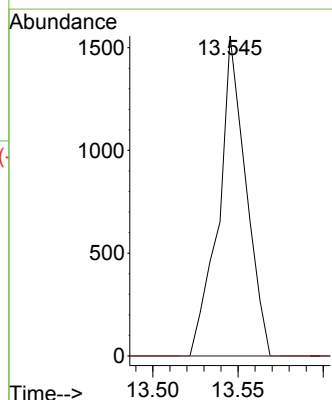
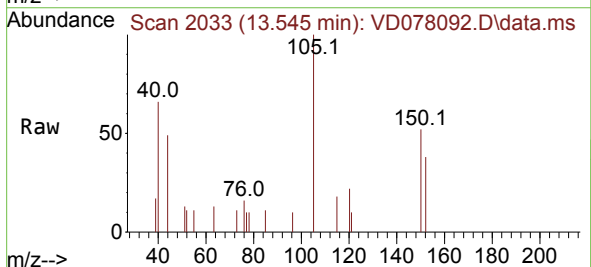
Instrument :
MSVOA_D
ClientSampleId :
OR-05-122723

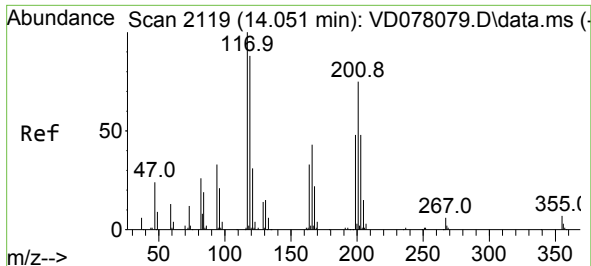
Tgt Ion: 75 Resp: 9282
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#85
sec-Butylbenzene
Concen: 1.128 ug/l
RT: 13.545 min Scan# 2033
Delta R.T. 0.200 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

Tgt Ion: 105 Resp: 1732
Ion Ratio Lower Upper
105 100
134 0.0 10.9 32.9#

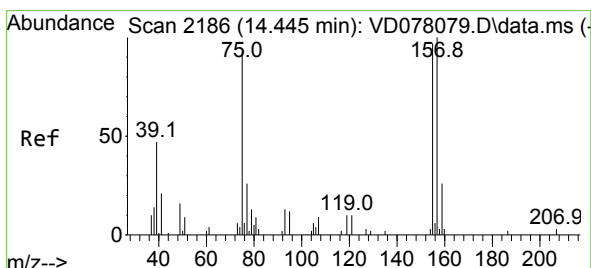
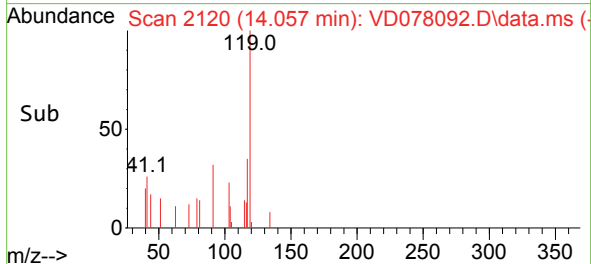
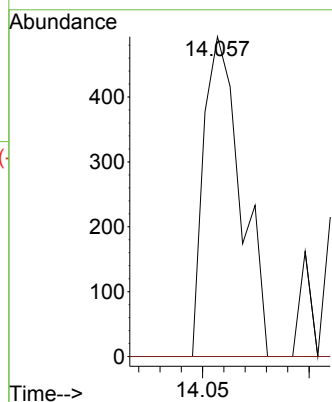
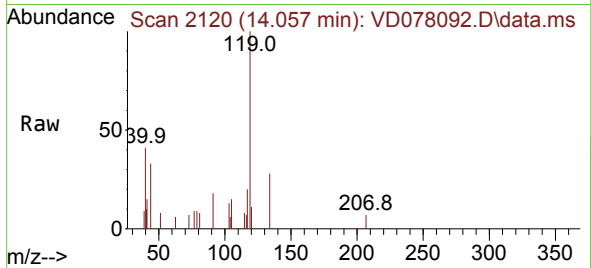




#90
Hexachloroethane
Concen: 2.176 ug/l
RT: 14.057 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

Instrument :
MSVOA_D
ClientSampleId :
OR-05-122723

Tgt Ion:117 Resp: 598
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.788 ug/l
RT: 14.475 min Scan# 2191
Delta R.T. 0.030 min
Lab File: VD078092.D
Acq: 28 Dec 2023 15:03

Tgt Ion: 75 Resp: 140
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#

