

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070824\
 Data File : VD079352.D
 Acq On : 08 Jul 2024 20:24
 Operator : RP/MD
 Sample : P3167-14
 Misc : 5.07G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-196-GW-820-822

Quant Time: Jul 09 04:59:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070824S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 17:06:59 2024
 Response via : Initial Calibration

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

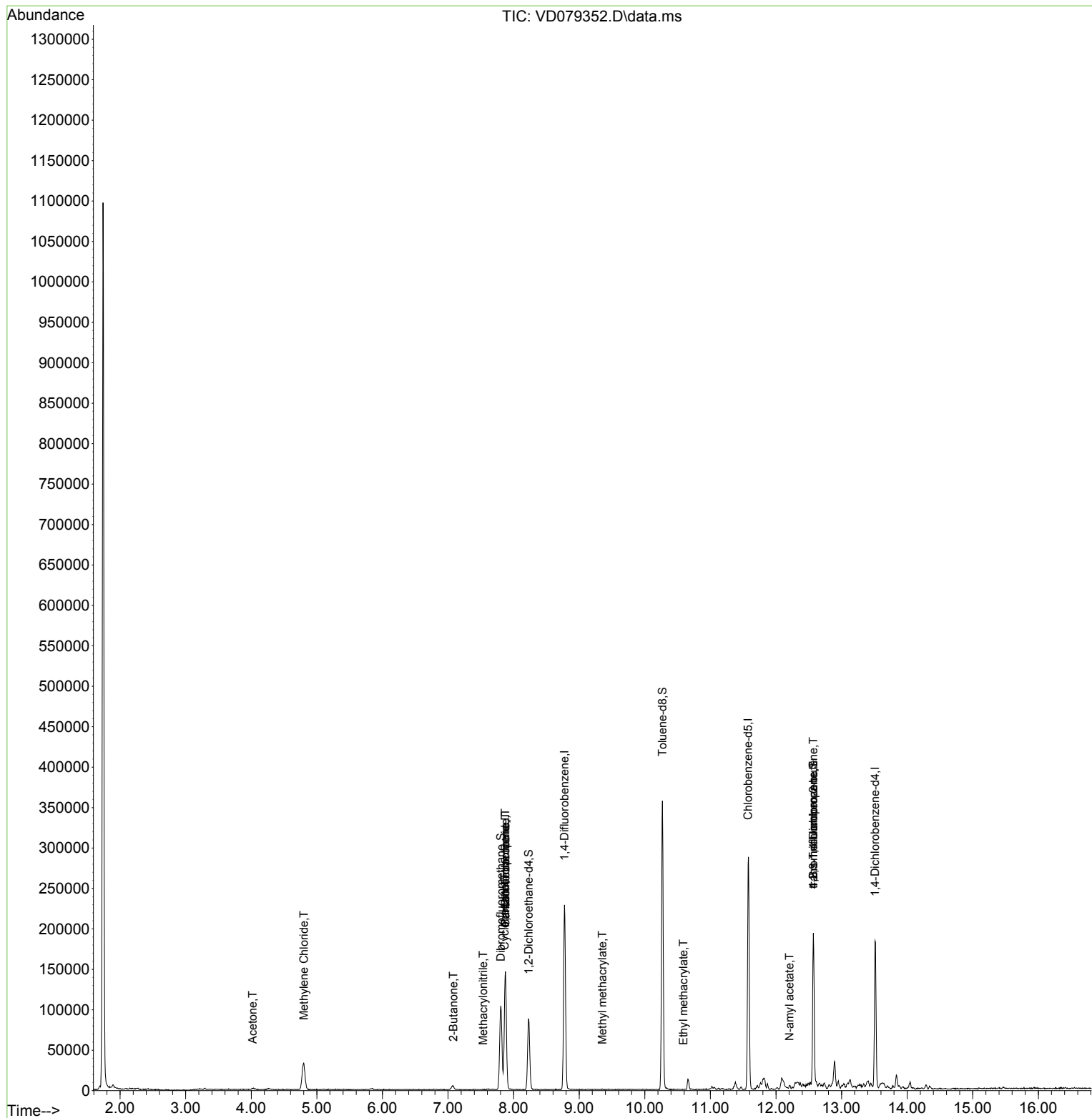
Internal Standards						
1) Pentafluorobenzene	7.875	168	109150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	209587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	177348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	49829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	68883	53.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.100%			
35) Dibromofluoromethane	7.805	113	79977	54.090	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.180%			
50) Toluene-d8	10.269	98	252715	44.338	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 88.680%			
62) 4-Bromofluorobenzene	12.569	95	60623	34.221	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 68.440%			
Target Compounds						
5) Bromomethane	2.687	94	269	Below Cal	#	26
16) Acetone	4.022	43	3122	12.762	ug/l	88
20) Methylene Chloride	4.805	84	28016	7.380	ug/l	95
25) 2-Butanone	7.081	43	359	1.033	ug/l #	42
31) Cyclohexane	7.863	56	2264	1.164	ug/l #	7
36) 1,1-Dichloropropene	7.875	75	9252	4.926	ug/l #	49
38) Carbon Tetrachloride	7.875	117	11714	5.925	ug/l #	16
41) Methacrylonitrile	7.534	41	55	3.182	ug/l #	12
48) Methyl methacrylate	9.352	41	64	2.563	ug/l #	11
56) Ethyl methacrylate	10.587	69	73	3.244	ug/l #	35
74) N-amyl acetate	12.204	43	1263	1.690	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	28854	60.268	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	28854	113.632	ug/l #	19

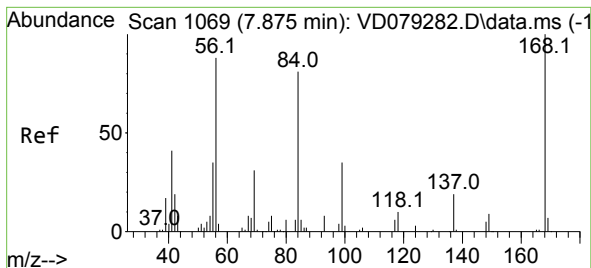
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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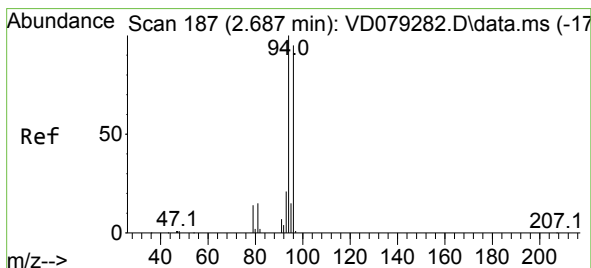
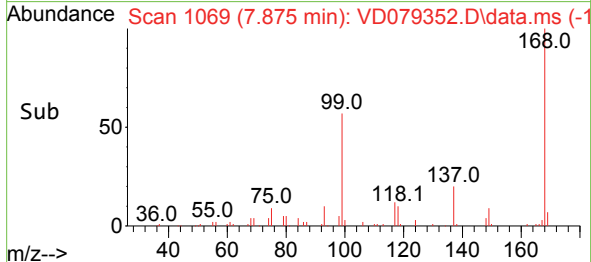
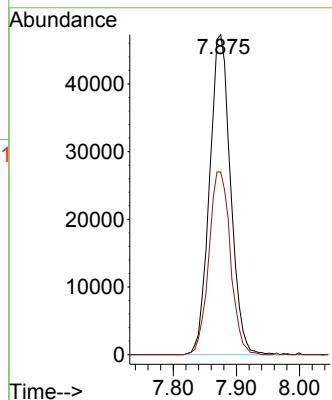
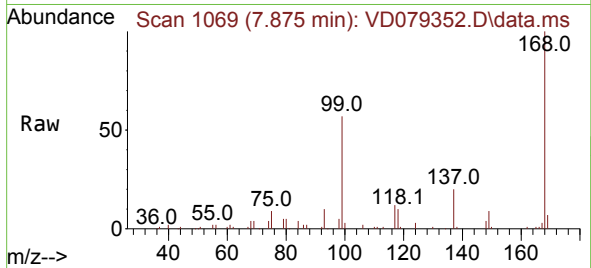




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

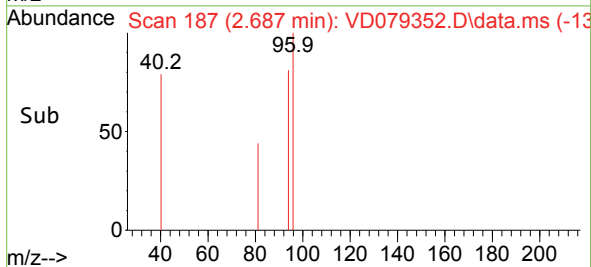
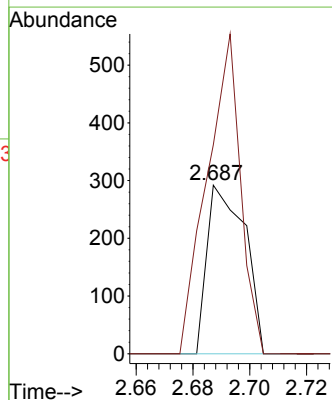
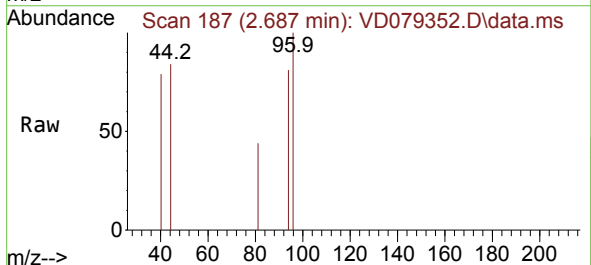
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-196-GW-820-822

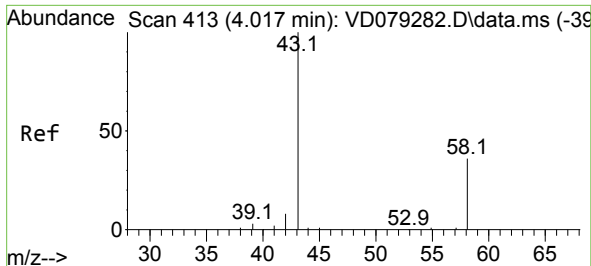
Tgt Ion:168 Resp: 109150
Ion Ratio Lower Upper
168 100
99 57.1 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. 0.029 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

Tgt Ion: 94 Resp: 269
Ion Ratio Lower Upper
94 100
96 168.0 76.9 115.3#

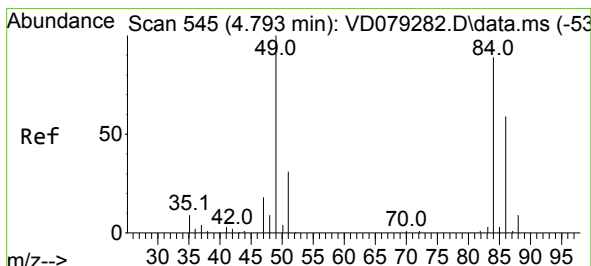
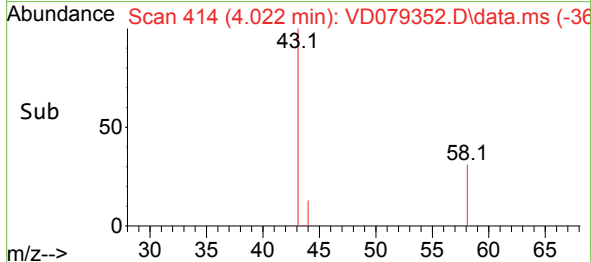
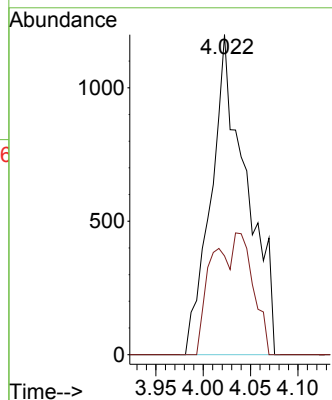
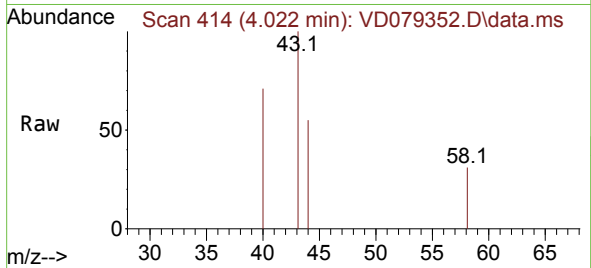




#16
Acetone
Concen: 12.762 ug/l
RT: 4.022 min Scan# 413
Delta R.T. 0.005 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

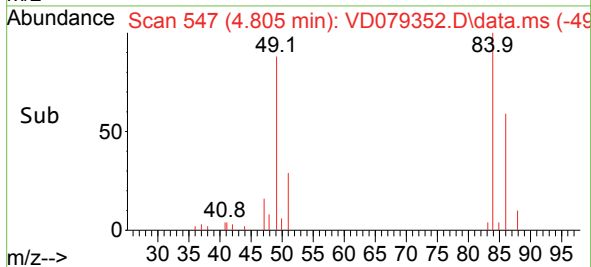
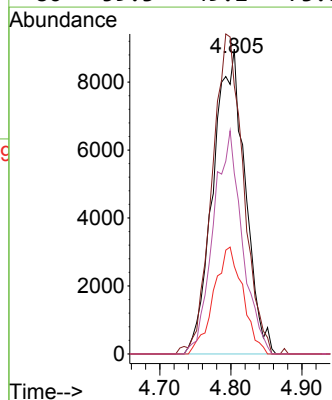
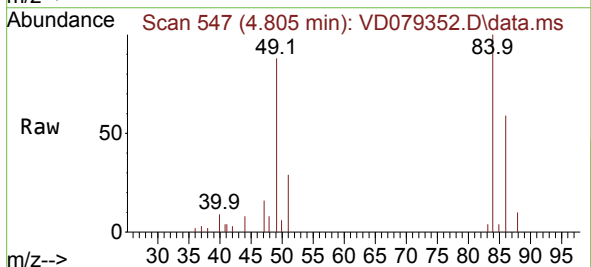
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-196-GW-820-822

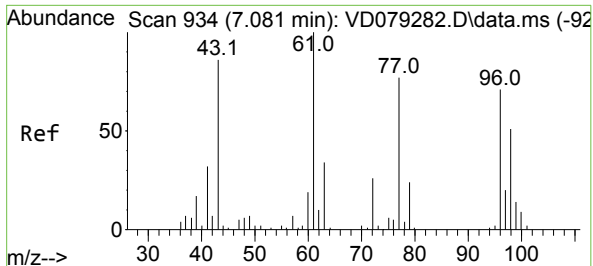
Tgt Ion: 43 Resp: 3122
Ion Ratio Lower Upper
43 100
58 30.9 30.4 45.6



#20
Methylene Chloride
Concen: 7.380 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.012 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

Tgt Ion: 84 Resp: 28016
Ion Ratio Lower Upper
84 100
49 88.0 75.6 113.4
51 28.7 24.2 36.2
86 59.3 49.2 73.8

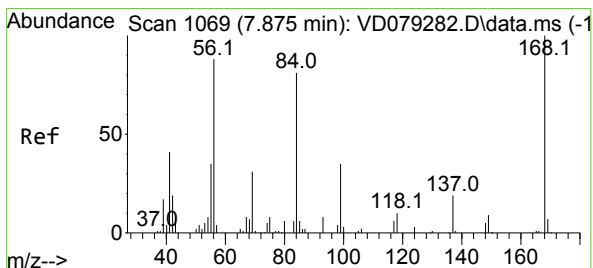
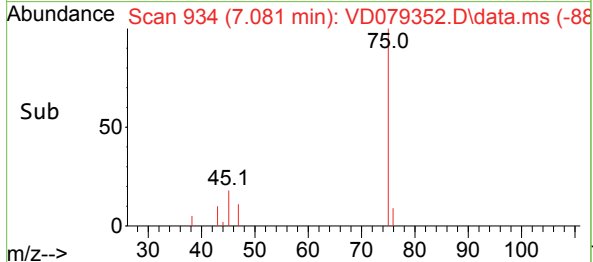
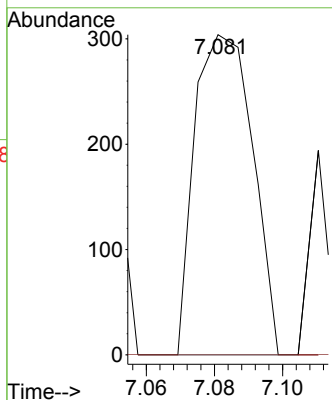
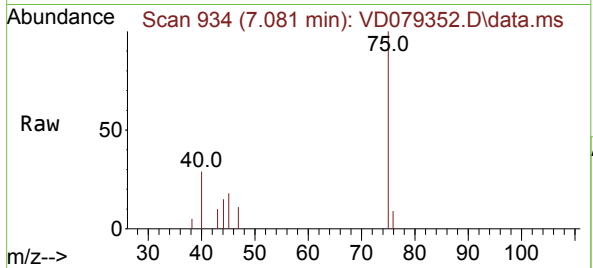




#25
2-Butanone
Concen: 1.033 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

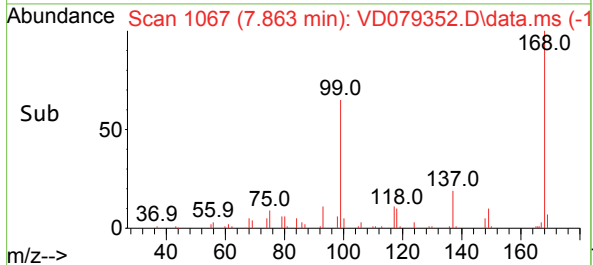
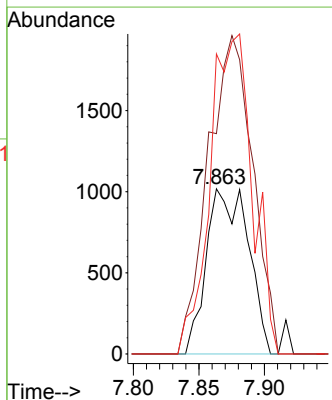
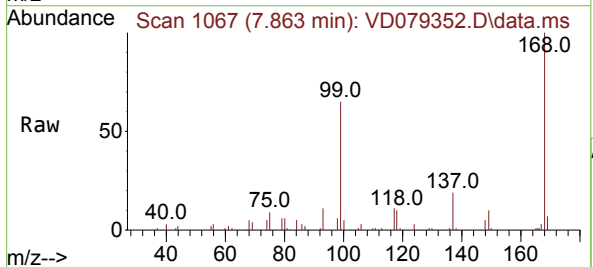
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-196-GW-820-822

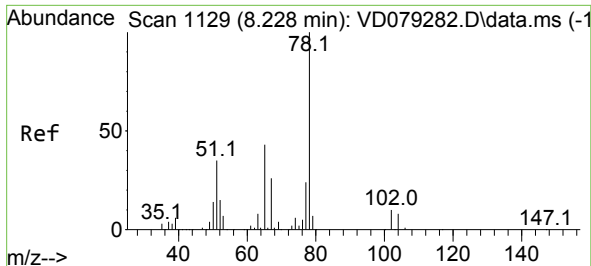
Tgt Ion: 43 Resp: 359
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.012 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

Tgt Ion: 56 Resp: 2264
Ion Ratio Lower Upper
56 100
69 133.4 28.0 42.0#
84 181.6 87.4 131.0#

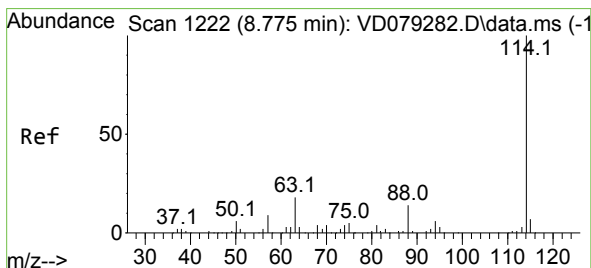
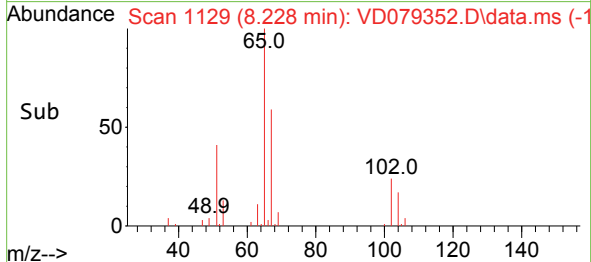
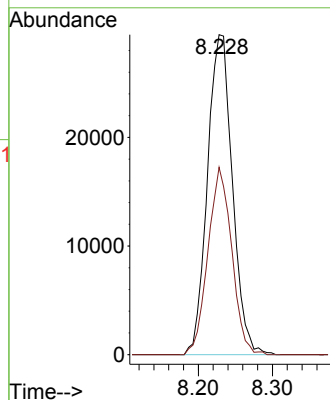
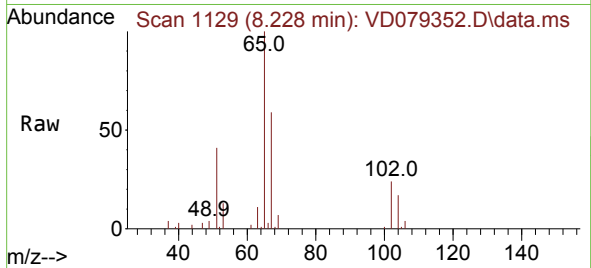




#33
1,2-Dichloroethane-d4
Concen: 53.553 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

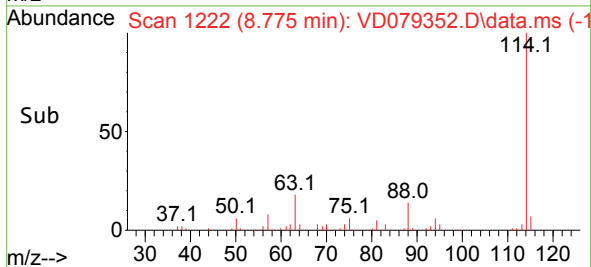
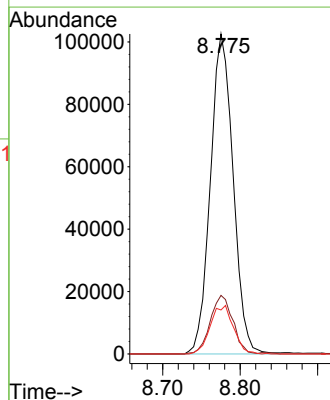
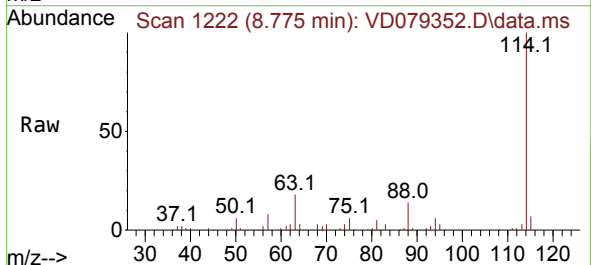
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-196-GW-820-822

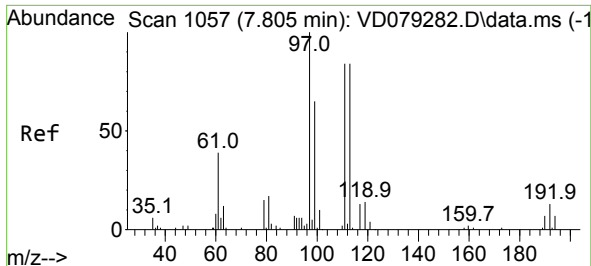
Tgt Ion: 65 Resp: 68883
Ion Ratio Lower Upper
65 100
67 55.8 0.0 111.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

Tgt Ion: 114 Resp: 209587
Ion Ratio Lower Upper
114 100
63 18.3 0.0 34.0
88 13.7 0.0 27.2

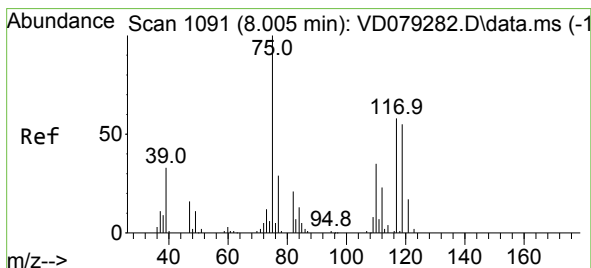
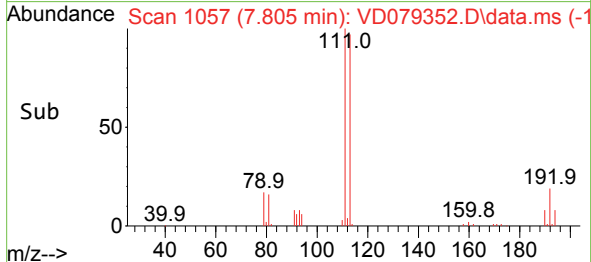
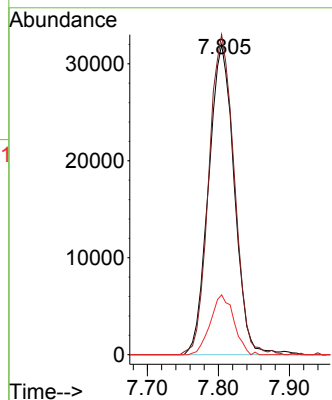
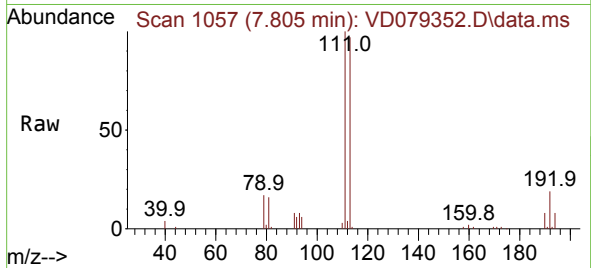




#35
Dibromofluoromethane
Concen: 54.090 ug/l
RT: 7.805 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

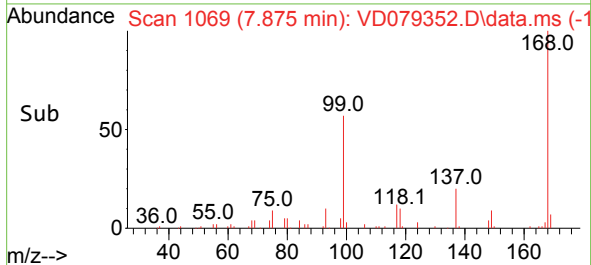
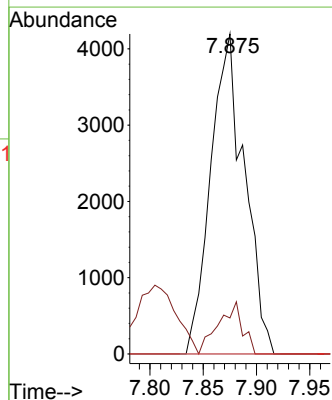
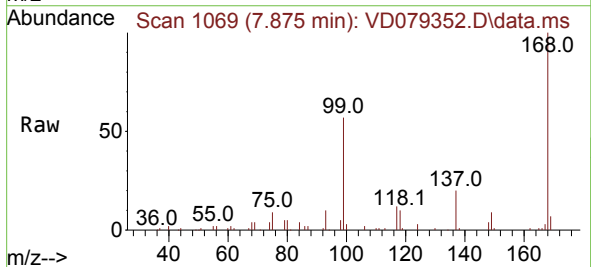
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-196-GW-820-822

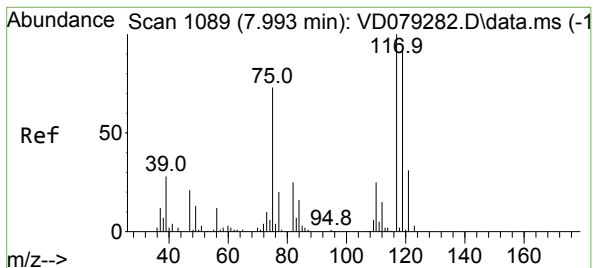
Tgt Ion:113 Resp: 79977
Ion Ratio Lower Upper
113 100
111 102.4 84.0 126.0
192 17.7 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.926 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

Tgt Ion: 75 Resp: 9252
Ion Ratio Lower Upper
75 100
110 11.6 19.6 58.7#
77 0.0 26.1 39.1#





#38

Carbon Tetrachloride

Concen: 5.925 ug/l

RT: 7.875 min Scan# 10

Delta R.T. -0.112 min

Lab File: VD079352.D

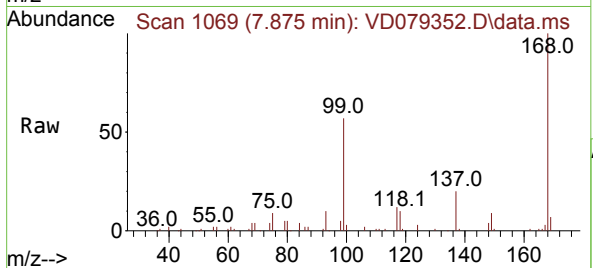
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Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-196-GW-820-822



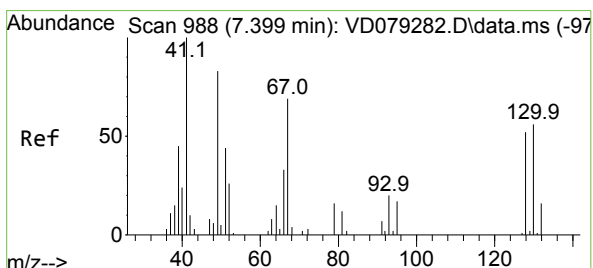
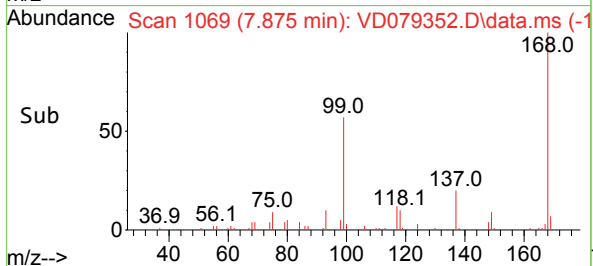
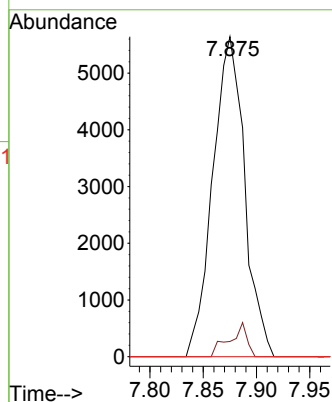
Tgt Ion:117 Resp: 11714

Ion Ratio Lower Upper

117 100

119 4.8 75.4 113.0#

121 0.0 25.0 37.4#



#41

Methacrylonitrile

Concen: 3.182 ug/l

RT: 7.534 min Scan# 1011

Delta R.T. 0.141 min

Lab File: VD079352.D

Acq: 08 Jul 2024 20:24

Tgt Ion: 41 Resp: 55

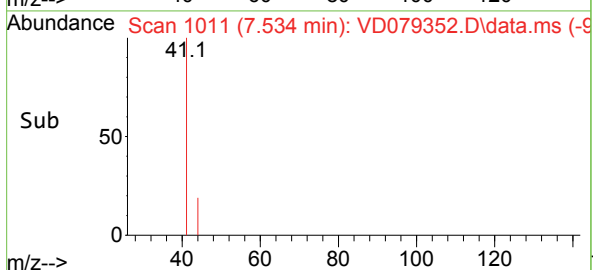
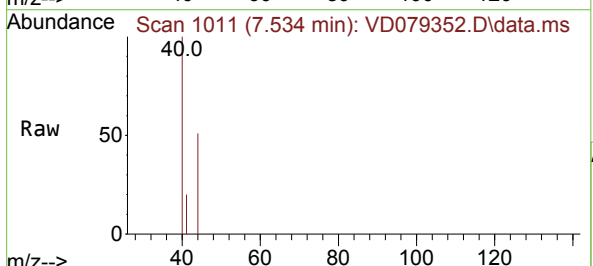
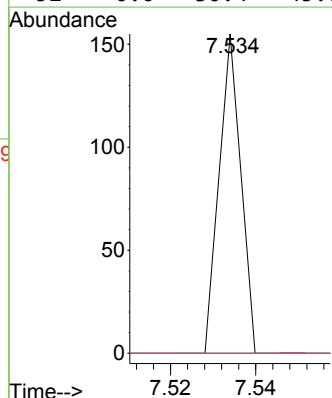
Ion Ratio Lower Upper

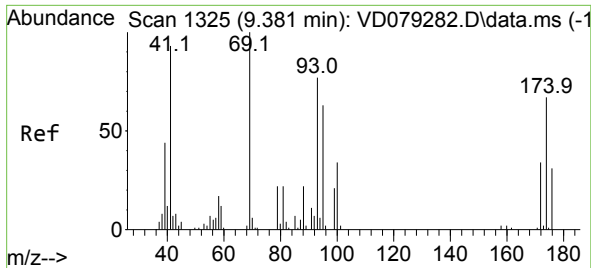
41 100

39 0.0 41.4 62.0#

67 0.0 85.8 128.6#

52 0.0 30.4 45.6#

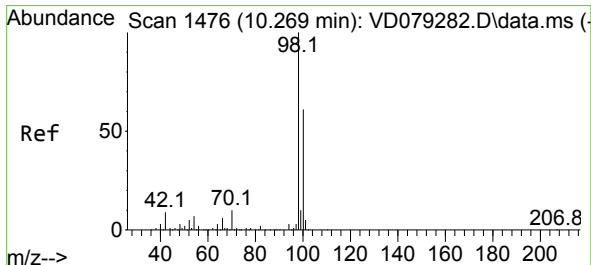
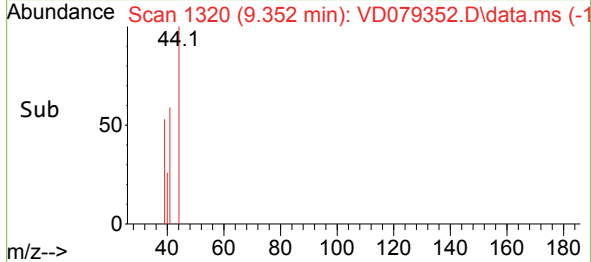
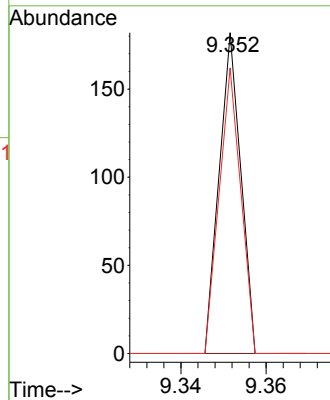
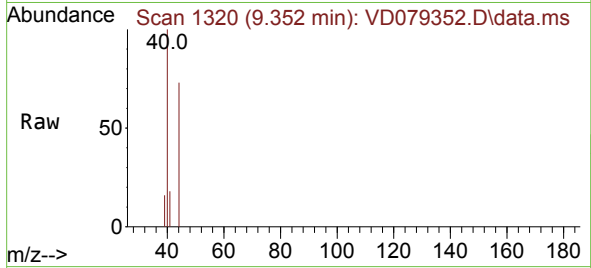




#48
Methyl methacrylate
Concen: 2.563 ug/l
RT: 9.352 min Scan# 11
Delta R.T. -0.023 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

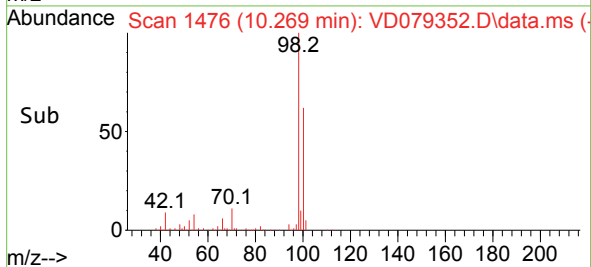
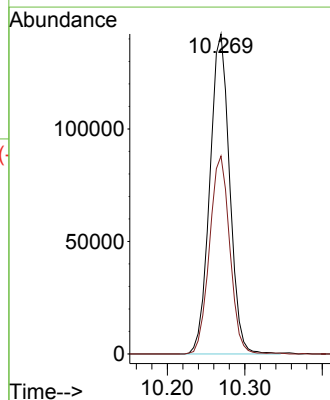
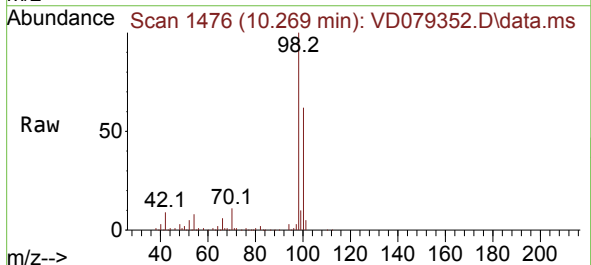
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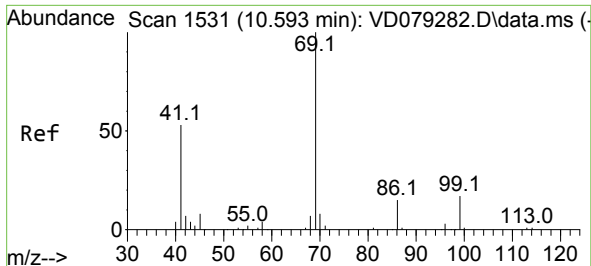
Tgt Ion: 41 Resp: 64
Ion Ratio Lower Upper
41 100
69 0.0 96.7 145.1#
39 89.1 43.8 65.6#



#50
Toluene-d8
Concen: 44.338 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

Tgt Ion: 98 Resp: 252715
Ion Ratio Lower Upper
98 100
100 62.9 51.6 77.4

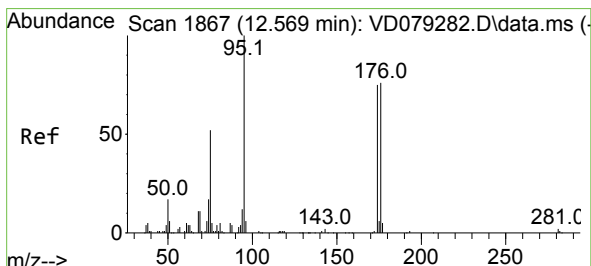
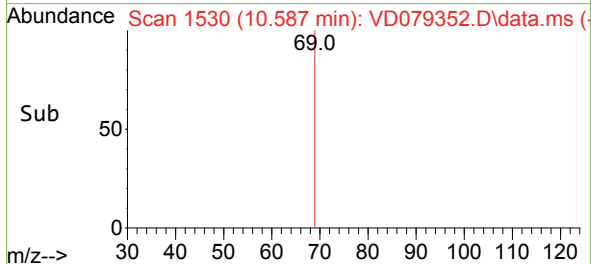
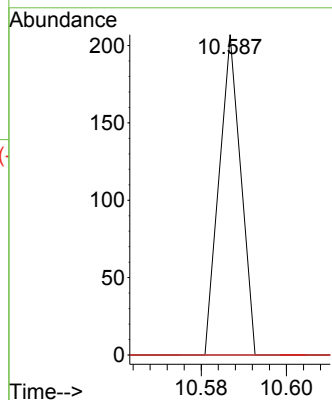
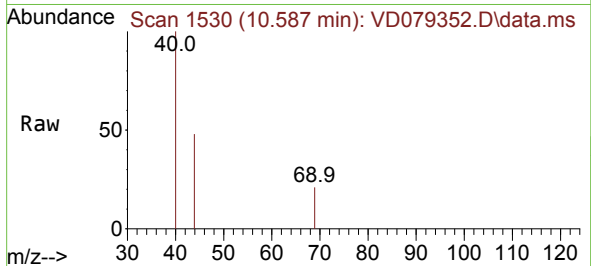




#56
Ethyl methacrylate
Concen: 3.244 ug/l
RT: 10.587 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

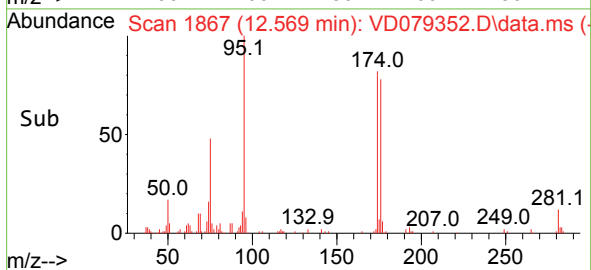
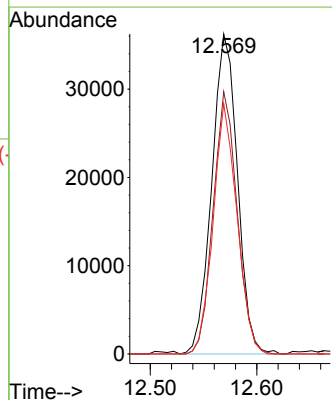
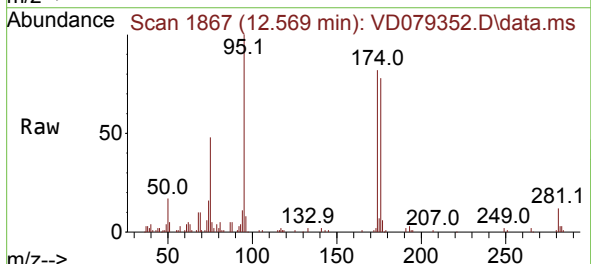
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-196-GW-820-822

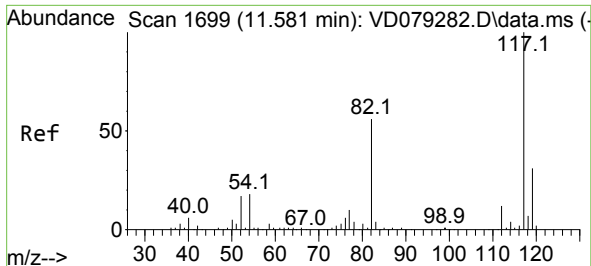
Tgt Ion: 69 Resp: 73
Ion Ratio Lower Upper
69 100
41 0.0 39.8 59.6#
39 0.0 20.2 30.4#



#62
4-Bromofluorobenzene
Concen: 34.221 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

Tgt Ion: 95 Resp: 60623
Ion Ratio Lower Upper
95 100
174 76.7 0.0 195.4
176 72.7 0.0 192.6

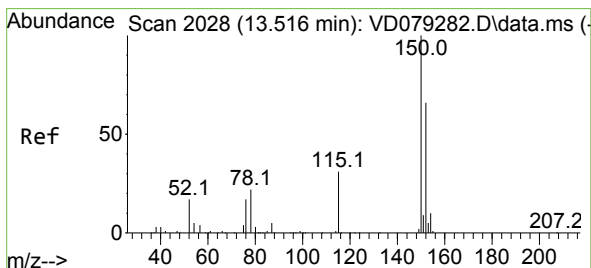
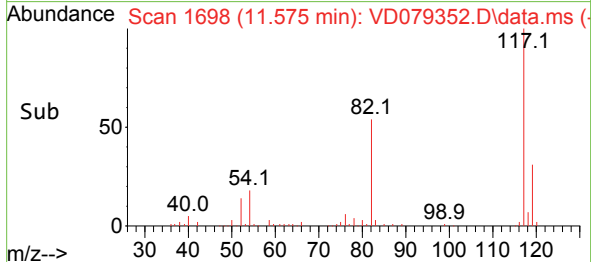
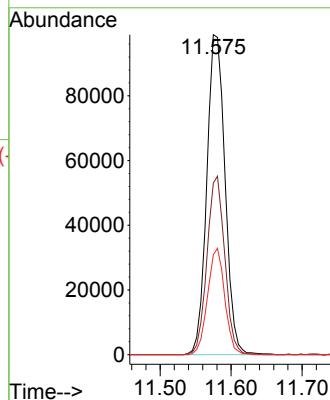
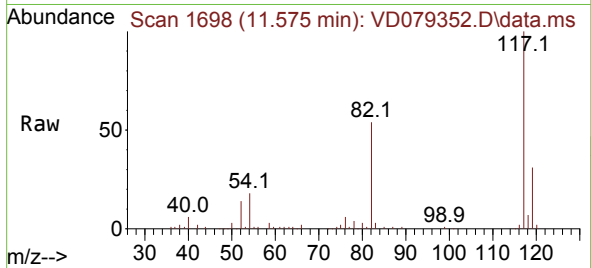




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

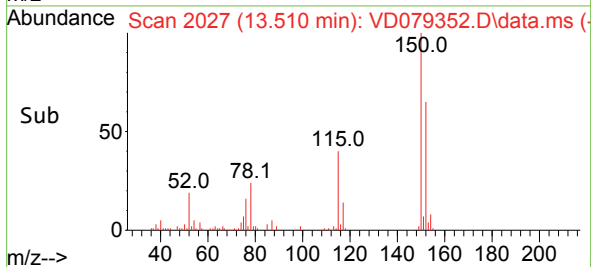
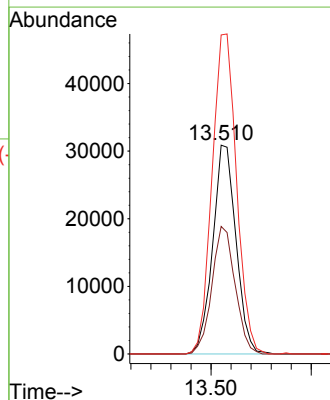
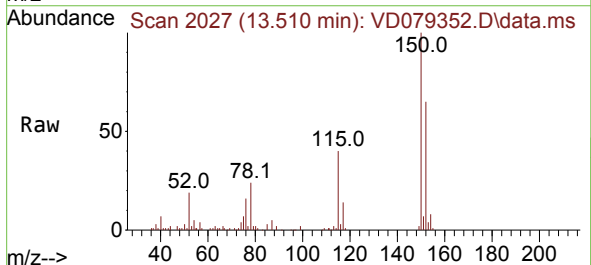
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-196-GW-820-822

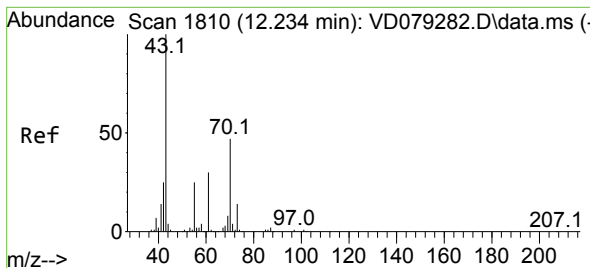
Tgt Ion:117 Resp: 177348
Ion Ratio Lower Upper
117 100
82 53.6 39.8 59.6
119 31.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. -0.006 min
Lab File: VD079352.D
Acq: 08 Jul 2024 20:24

Tgt Ion:152 Resp: 49829
Ion Ratio Lower Upper
152 100
115 60.6 26.5 79.5
150 160.4 0.0 341.6





#74

N-amy1 acetate

Concen: 1.690 ug/l

RT: 12.204 min Scan# 1805

Delta R.T. -0.024 min

Lab File: VD079352.D

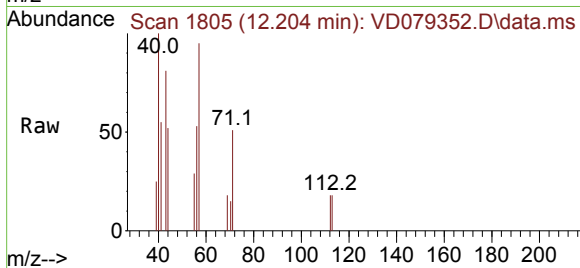
Acq: 08 Jul 2024 20:24

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-196-GW-820-822



Tgt Ion: 43 Resp: 1263

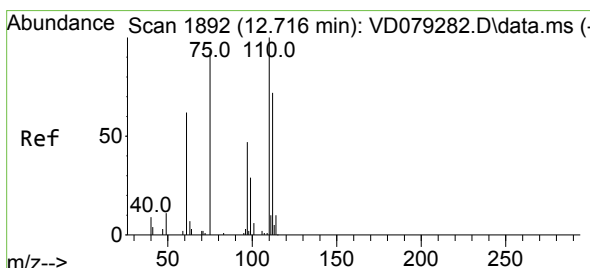
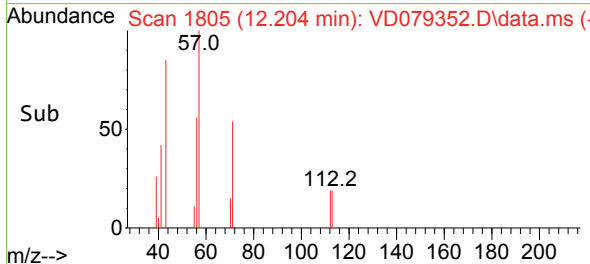
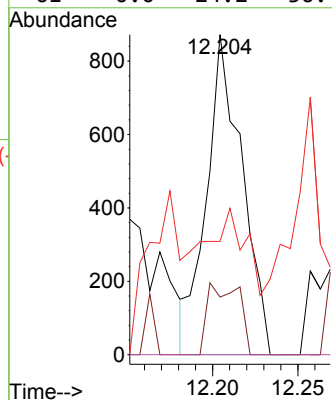
Ion Ratio Lower Upper

43 100

70 19.7 44.3 66.5#

55 0.0 23.2 34.8#

61 0.0 24.2 36.4#



#76

1,2,3-Trichloropropane

Concen: 60.268 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079352.D

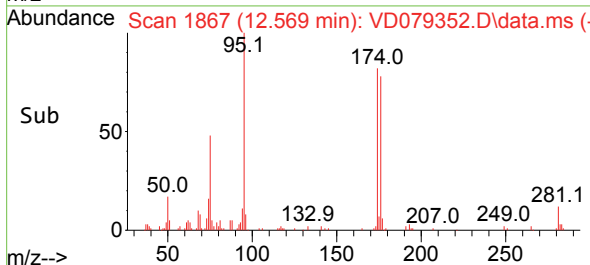
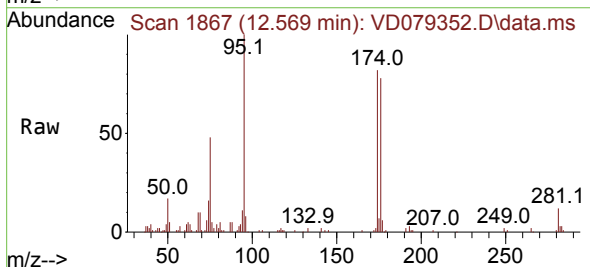
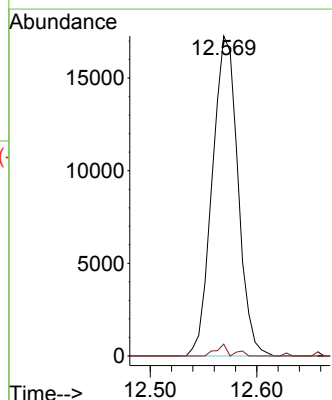
Acq: 08 Jul 2024 20:24

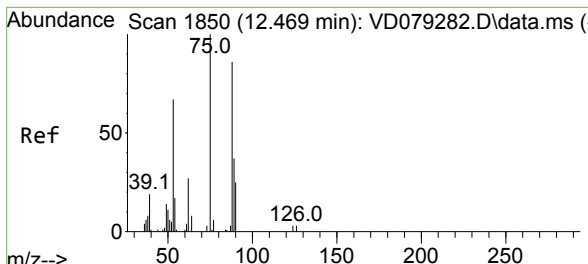
Tgt Ion: 75 Resp: 28854

Ion Ratio Lower Upper

75 100

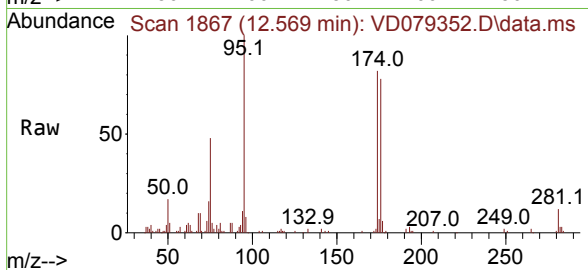
77 2.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.632 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD079352.D
 Acq: 08 Jul 2024 20:24

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-196-GW-820-822



Tgt Ion:	75	Resp:	28854
Ion	Ratio	Lower	Upper
75	100		
53	0.3	61.4	92.2#
89	0.0	35.4	53.0#

