

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110823\
 Data File : VD077518.D
 Acq On : 08 Nov 2023 14:11
 Operator : JC/SY
 Sample : 05295-03
 Misc : 5.43G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 09 01:37:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

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

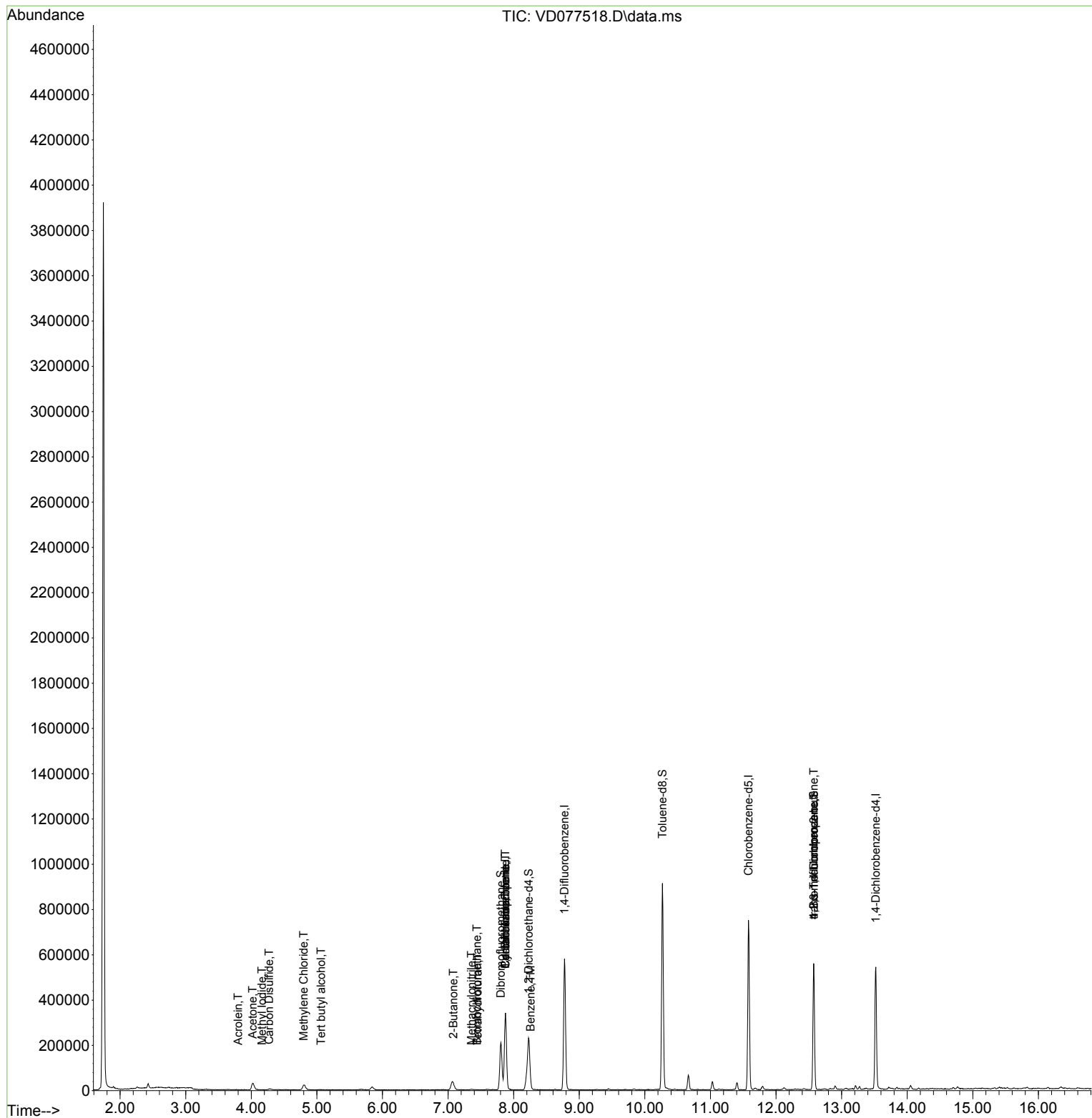
Internal Standards						
1) Pentafluorobenzene	7.875	168	249990	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	477103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	402020	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	139646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	165310	46.764	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.520%		
35) Dibromofluoromethane	7.804	113	148249	44.957	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.920%		
50) Toluene-d8	10.269	98	608901	47.539	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.080%		
62) 4-Bromofluorobenzene	12.575	95	158034	36.633	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	73.260%		
Target Compounds						Qvalue
10) Methyl Iodide	4.163	142	297	3.232	ug/l #	72
11) Tert butyl alcohol	5.063	59	580	2.071	ug/l #	71
13) Acrolein	3.799	56	454	1.229	ug/l #	63
16) Acetone	4.022	43	53672	57.379	ug/l #	77
17) Carbon Disulfide	4.269	76	4700	4.321	ug/l #	86
20) Methylene Chloride	4.799	84	14929	1.921	ug/l #	73
25) 2-Butanone	7.081	43	24740	19.829	ug/l #	72
28) Bromochloromethane	7.440	49	54	2.123	ug/l #	1
29) Tetrahydrofuran	7.451	42	962	1.300	ug/l #	31
31) Cyclohexane	7.875	56	6681	1.209	ug/l #	46
36) 1,1-Dichloropropene	7.875	75	23093	4.723	ug/l #	47
38) Carbon Tetrachloride	7.875	117	25340	5.500	ug/l #	15
40) Benzene	8.257	78	19182	1.376	ug/l #	90
41) Methacrylonitrile	7.357	41	2479	1.381	ug/l #	28
76) 1,2,3-Trichloropropane	12.575	75	91118	53.611	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	91118	103.556	ug/l #	17

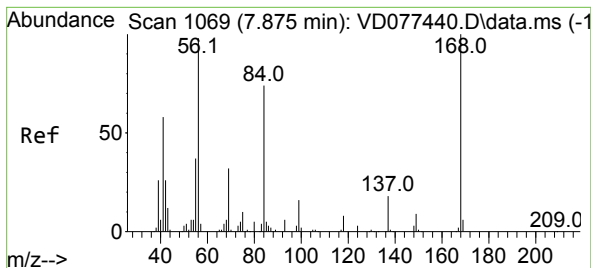
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 09 01:37:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 31 04:19:17 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077518.D

Acq: 08 Nov 2023 14:11

Instrument :

MSVOA_D

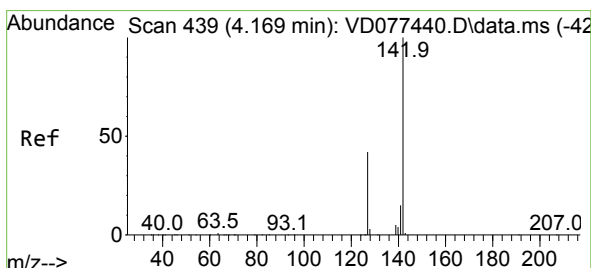
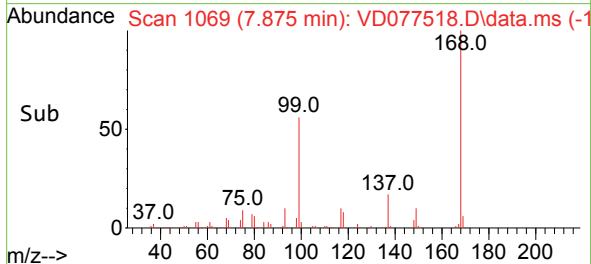
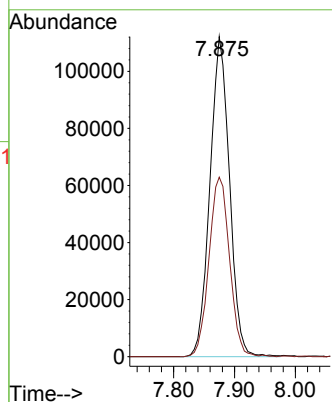
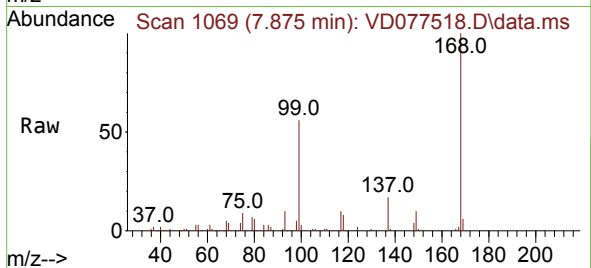
ClientSampleId :

Tgt Ion:168 Resp: 249990

Ion Ratio Lower Upper

168 100

99 56.1 36.7 55.1#



#10

Methyl Iodide

Concen: 3.232 ug/l

RT: 4.163 min Scan# 438

Delta R.T. -0.006 min

Lab File: VD077518.D

Acq: 08 Nov 2023 14:11

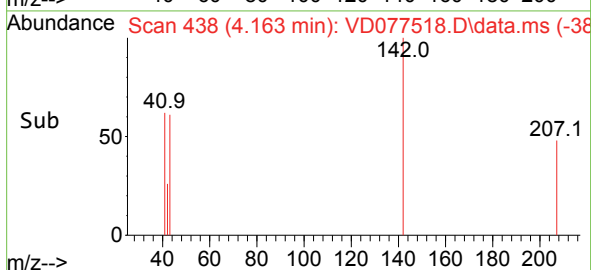
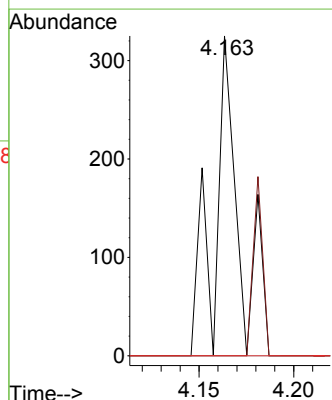
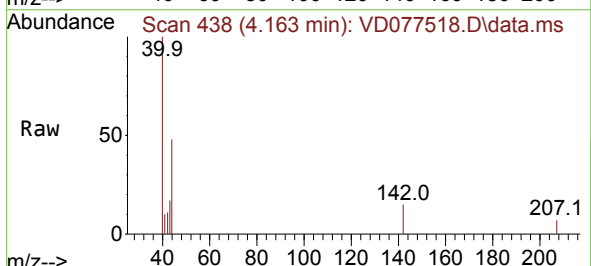
Tgt Ion:142 Resp: 297

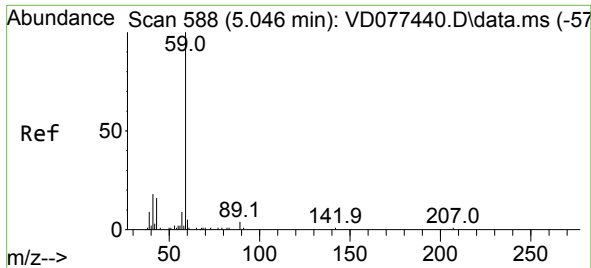
Ion Ratio Lower Upper

142 100

127 21.5 29.4 44.0#

141 0.0 11.1 16.7#

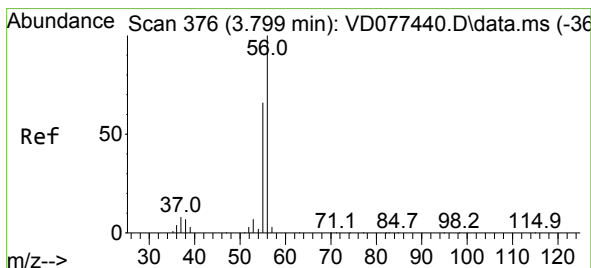
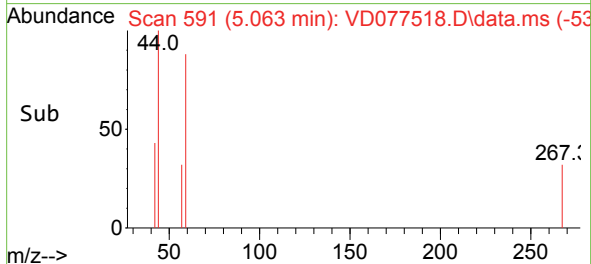
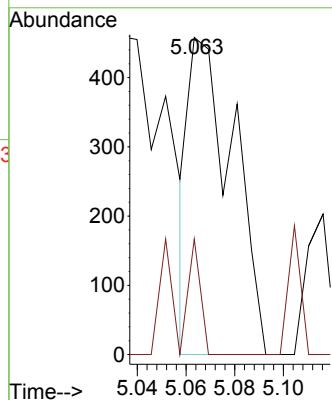
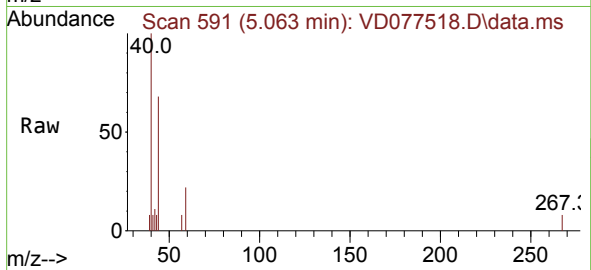




#11
Tert butyl alcohol
Concen: 2.071 ug/l
RT: 5.063 min Scan# 591
Delta R.T. 0.018 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

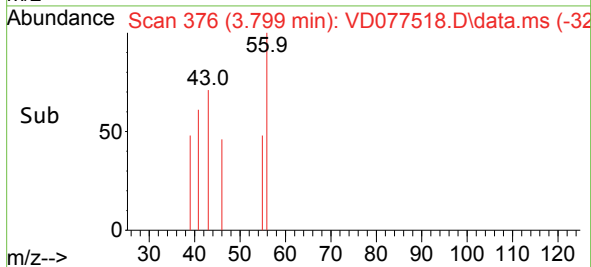
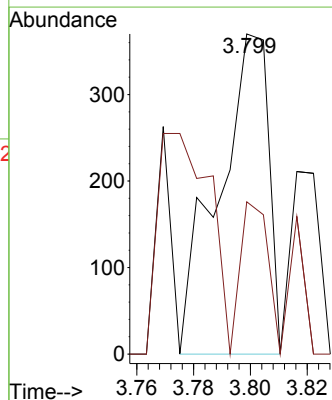
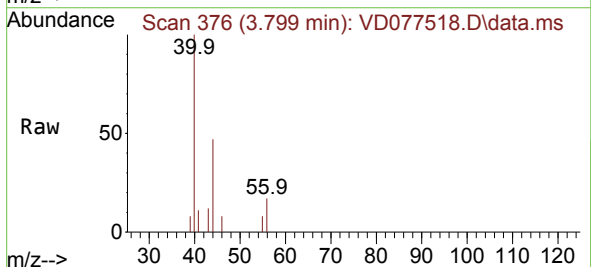
Instrument :
MSVOA_D
ClientSampleId :

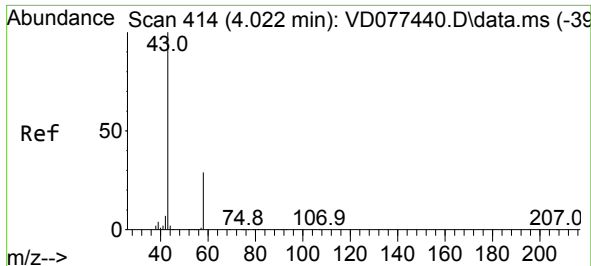
Tgt Ion: 59 Resp: 580
Ion Ratio Lower Upper
59 100
57 20.3 7.8 11.8#



#13
Acrolein
Concen: 1.229 ug/l
RT: 3.799 min Scan# 376
Delta R.T. -0.000 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

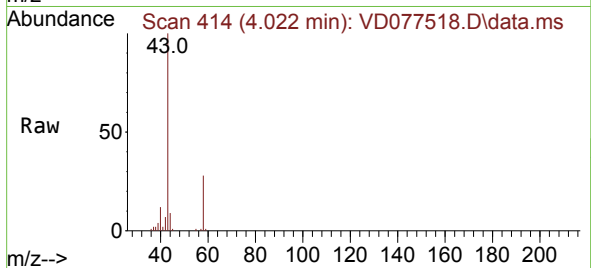
Tgt Ion: 56 Resp: 454
Ion Ratio Lower Upper
56 100
55 38.5 55.1 82.7#



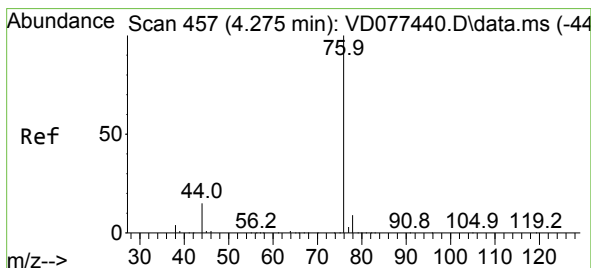
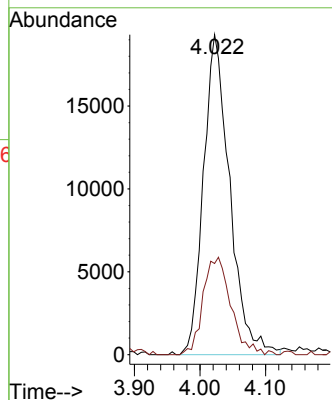
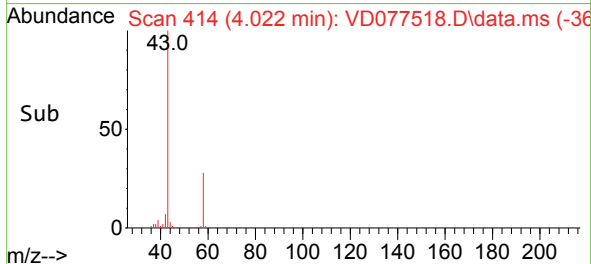


#16
Acetone
Concen: 57.379 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

Instrument :
MSVOA_D
ClientSampleId :

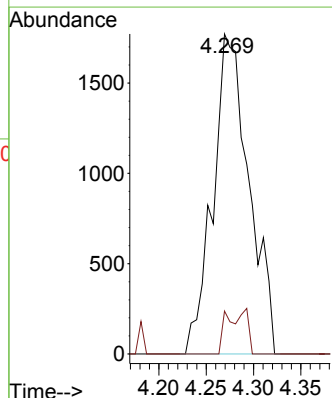
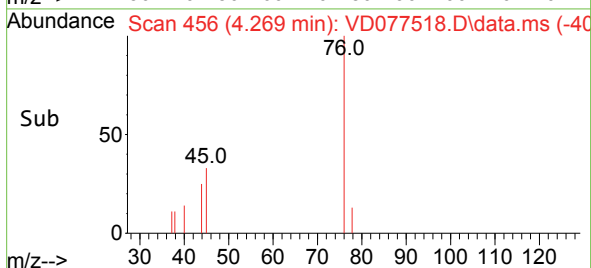
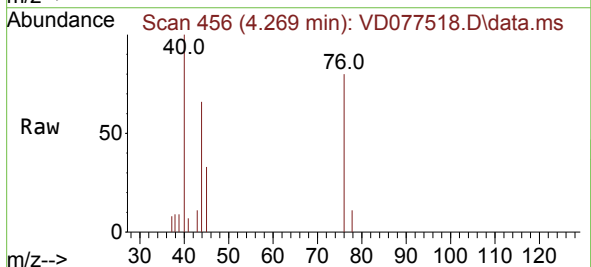


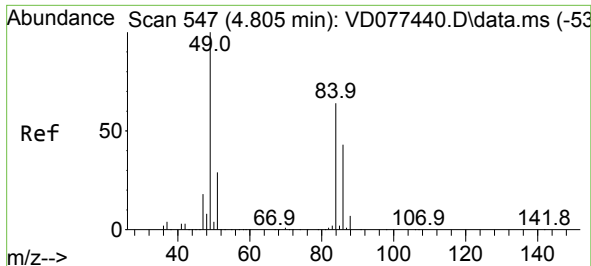
Tgt Ion: 43 Resp: 53672
Ion Ratio Lower Upper
43 100
58 28.5 34.7 52.1#



#17
Carbon Disulfide
Concen: 4.321 ug/l
RT: 4.269 min Scan# 456
Delta R.T. -0.006 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

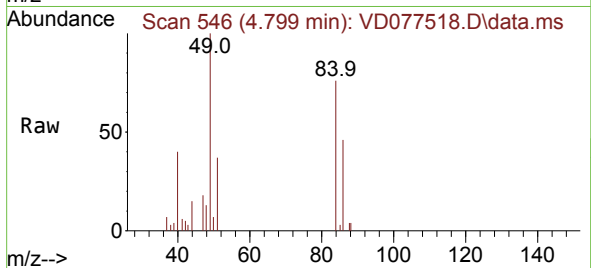
Tgt Ion: 76 Resp: 4700
Ion Ratio Lower Upper
76 100
78 13.4 6.8 10.2#



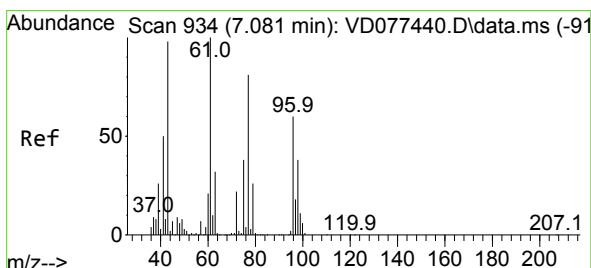
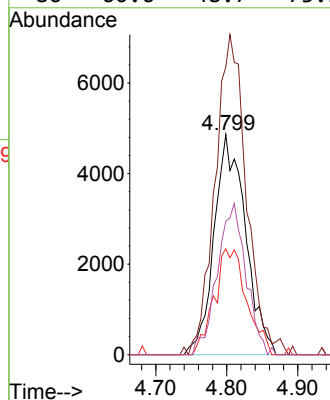
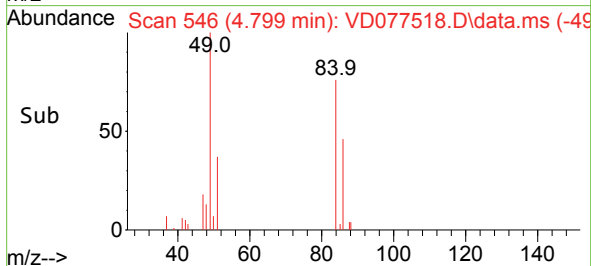


#20
Methylene Chloride
Concen: 1.921 ug/l
RT: 4.799 min Scan# 547
Delta R.T. -0.006 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

Instrument :
MSVOA_D
ClientSampleId :

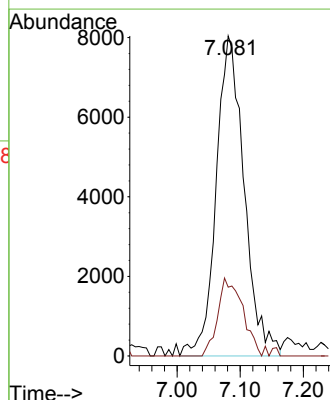
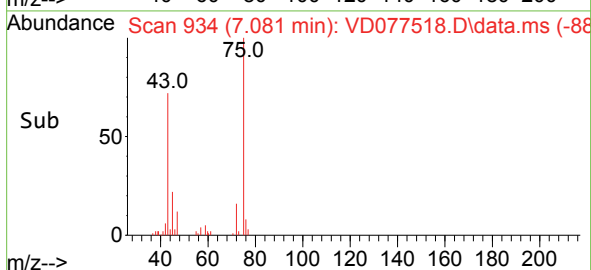
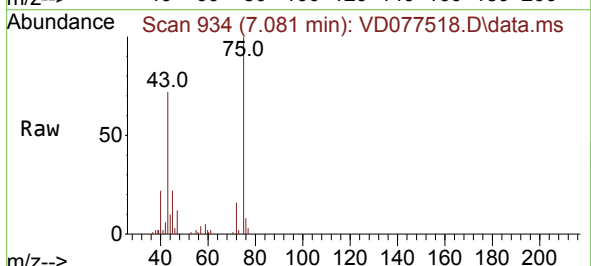


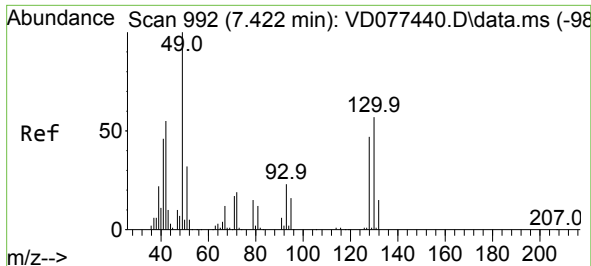
Tgt Ion: 84 Resp: 14929
Ion Ratio Lower Upper
84 100
49 130.8 71.4 107.2#
51 48.1 24.5 36.7#
86 60.6 48.7 73.1



#25
2-Butanone
Concen: 19.829 ug/l
RT: 7.081 min Scan# 934
Delta R.T. -0.000 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

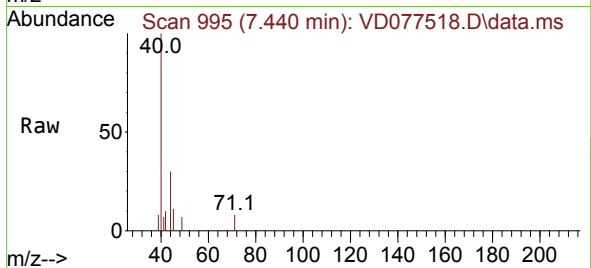
Tgt Ion: 43 Resp: 24740
Ion Ratio Lower Upper
43 100
72 21.5 30.7 46.1#



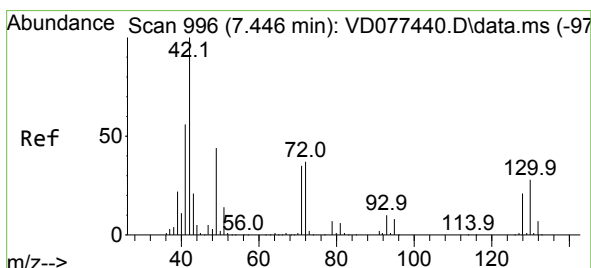
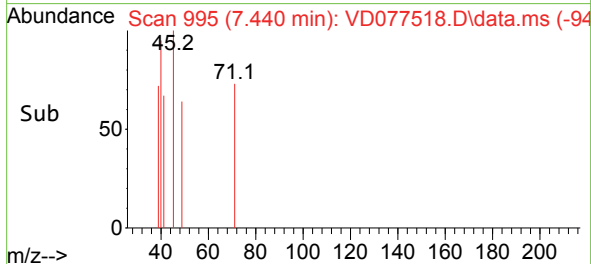
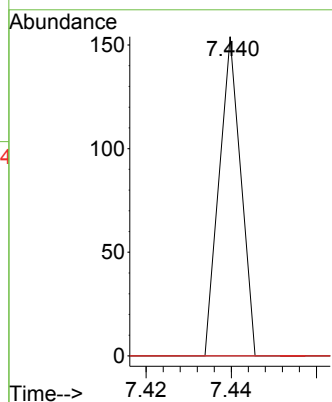


#28
Bromochloromethane
Concen: 2.123 ug/l
RT: 7.440 min Scan# 995
Delta R.T. 0.018 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

Instrument :
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ClientSampleId :

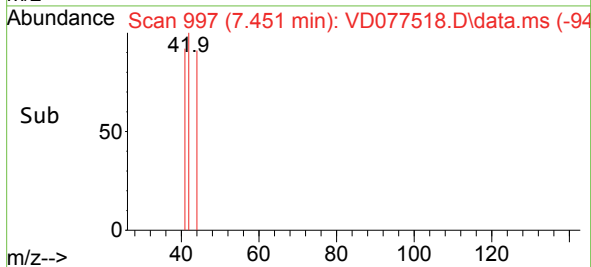
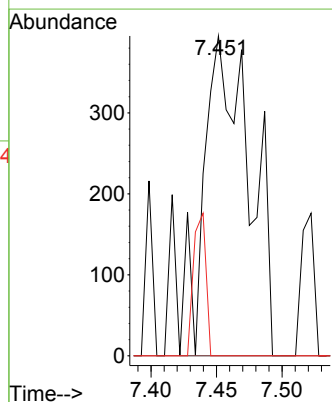
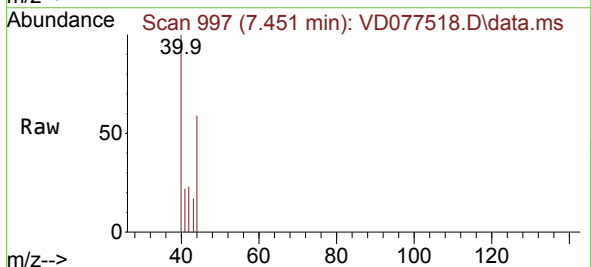


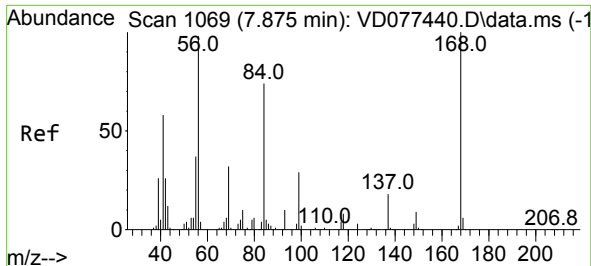
Tgt Ion: 49 Resp: 54
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#29
Tetrahydrofuran
Concen: 1.300 ug/l
RT: 7.451 min Scan# 997
Delta R.T. 0.006 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

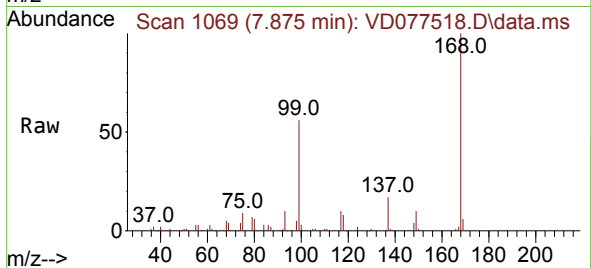
Tgt Ion: 42 Resp: 962
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 12.1 44.5 66.7#



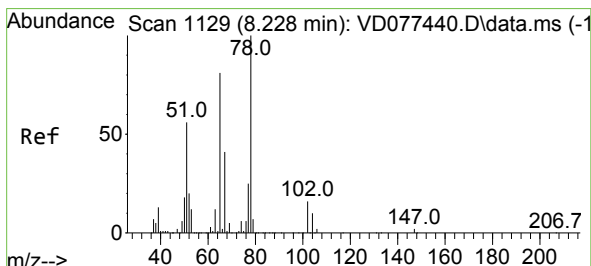
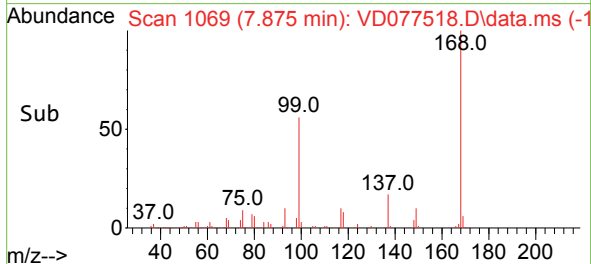
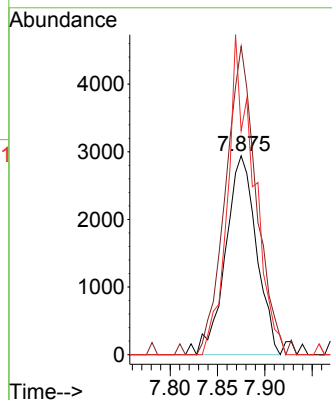


#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

Instrument :
MSVOA_D
ClientSampleId :

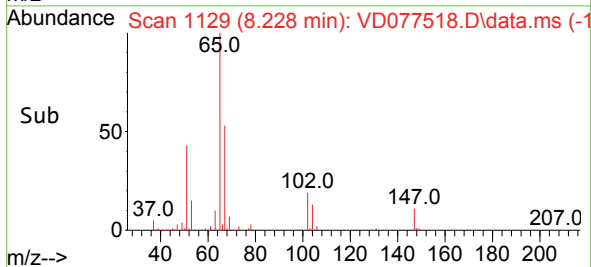
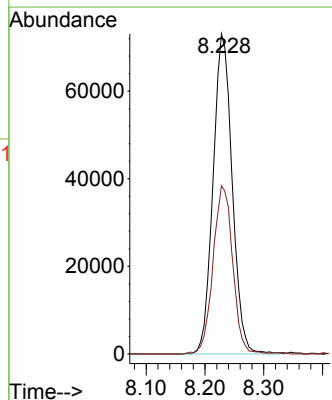
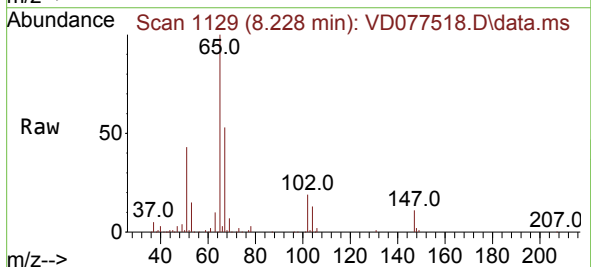


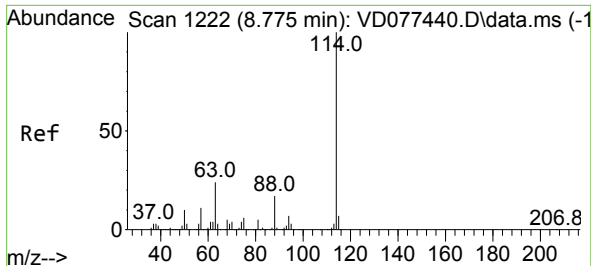
Tgt Ion: 56 Resp: 6681
Ion Ratio Lower Upper
56 100
69 149.5 28.6 43.0#
84 112.5 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 46.764 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

Tgt Ion: 65 Resp: 165310
Ion Ratio Lower Upper
65 100
67 53.9 0.0 115.0

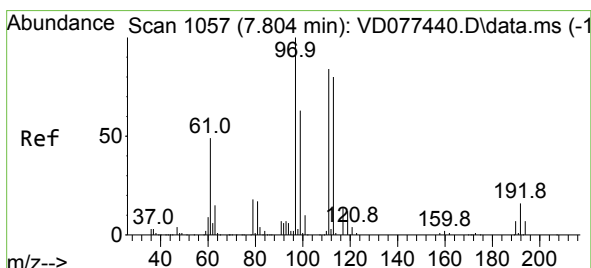
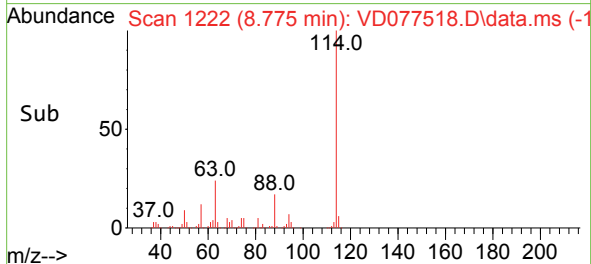
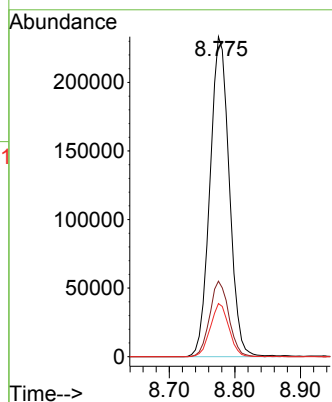
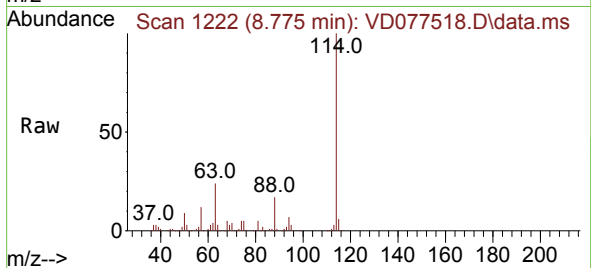




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

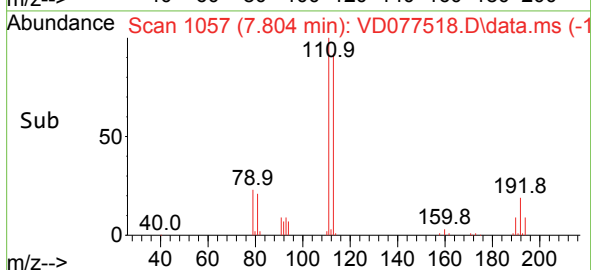
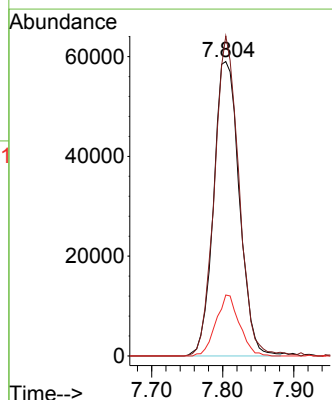
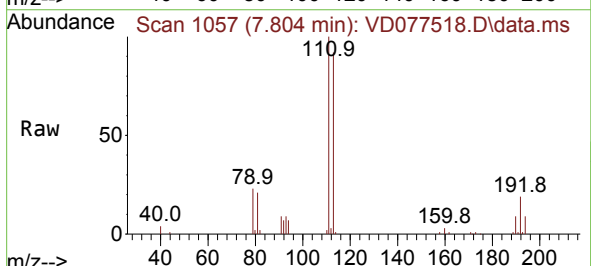
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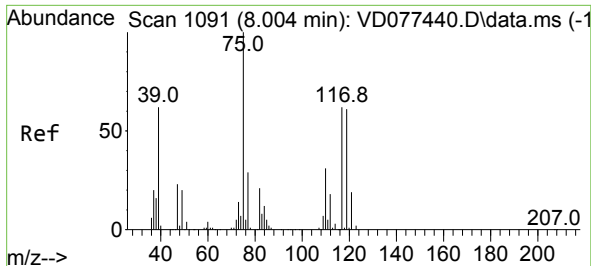
Tgt Ion:114 Resp: 477103
Ion Ratio Lower Upper
114 100
63 23.6 0.0 33.4
88 16.6 0.0 26.2



#35
Dibromofluoromethane
Concen: 44.957 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

Tgt Ion:113 Resp: 148249
Ion Ratio Lower Upper
113 100
111 103.4 84.7 127.1
192 18.9 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.723 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

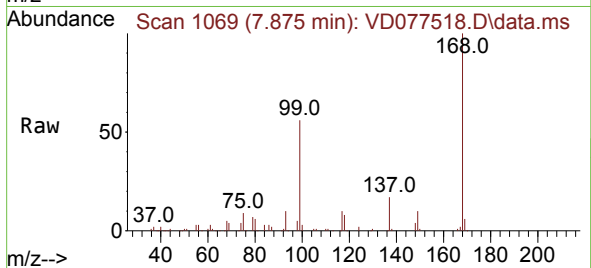
Lab File: VD077518.D

Acq: 08 Nov 2023 14:11

Instrument :

MSVOA_D

ClientSampleId :



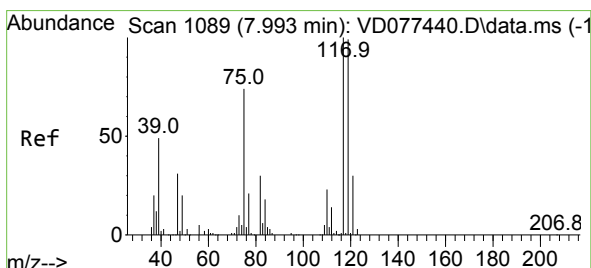
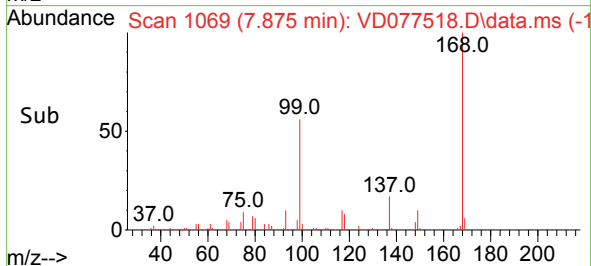
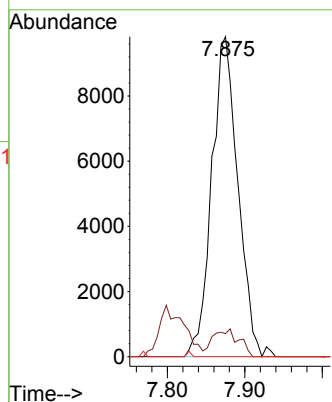
Tgt Ion: 75 Resp: 23093

Ion Ratio Lower Upper

75 100

110 8.5 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.500 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD077518.D

Acq: 08 Nov 2023 14:11

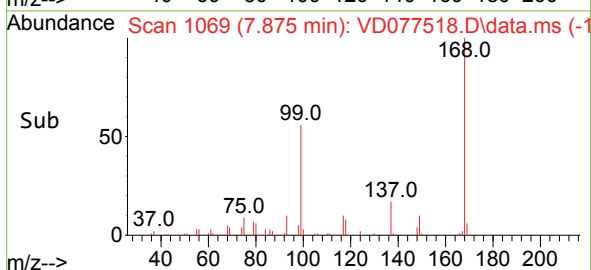
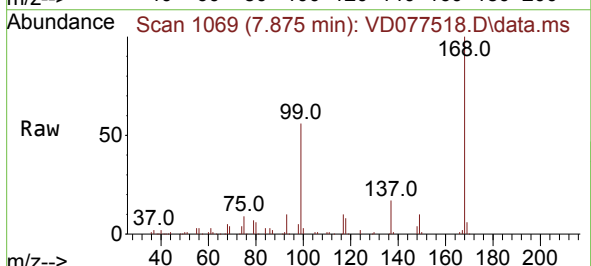
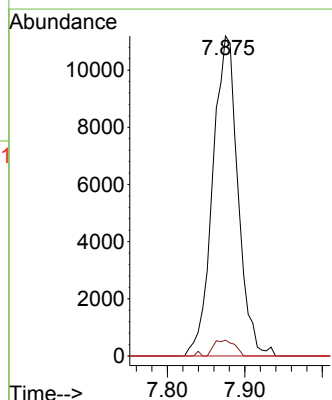
Tgt Ion: 117 Resp: 25340

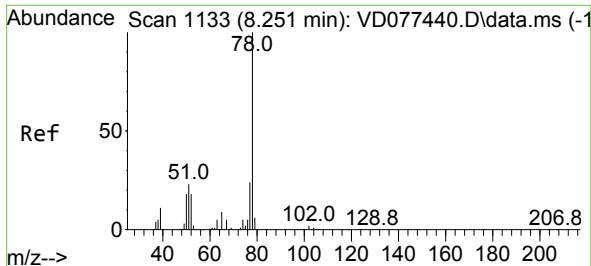
Ion Ratio Lower Upper

117 100

119 4.9 78.0 117.0#

121 0.0 24.2 36.2#

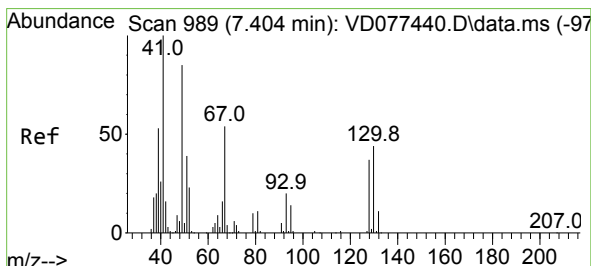
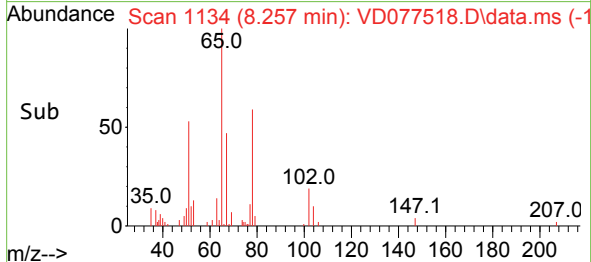
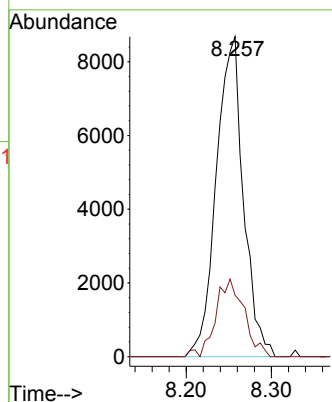
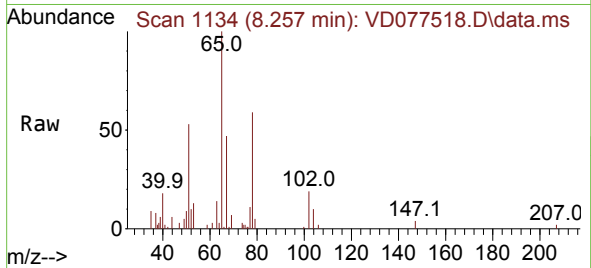




#40
Benzene
Concen: 1.376 ug/l
RT: 8.257 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

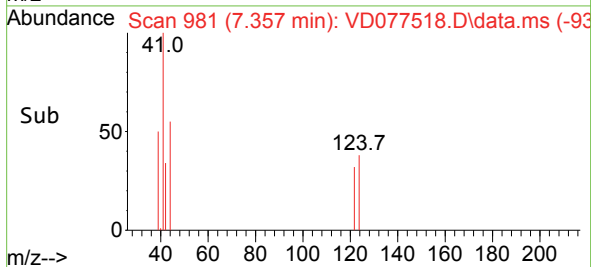
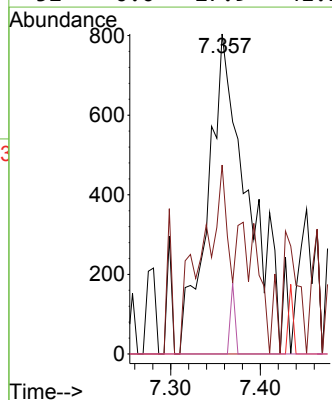
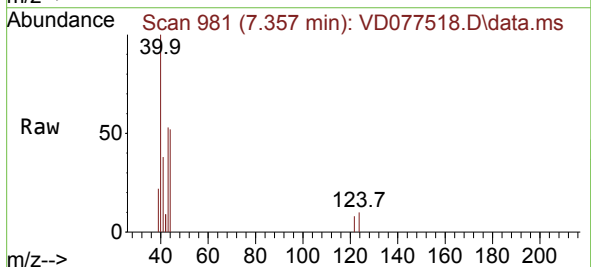
Instrument :
MSVOA_D
ClientSampleId :

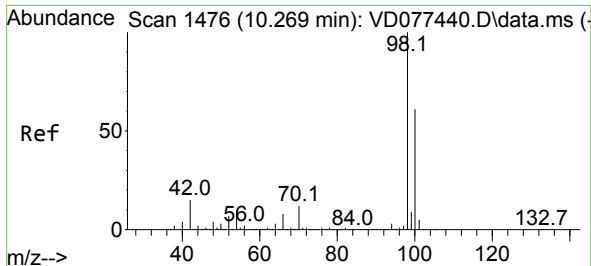
Tgt Ion: 78 Resp: 19182
Ion Ratio Lower Upper
78 100
77 19.2 19.4 29.0#



#41
Methacrylonitrile
Concen: 1.381 ug/l
RT: 7.357 min Scan# 981
Delta R.T. -0.047 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

Tgt Ion: 41 Resp: 2479
Ion Ratio Lower Upper
41 100
39 29.6 34.0 51.0#
67 0.0 77.0 115.4#
52 0.0 27.9 41.9#

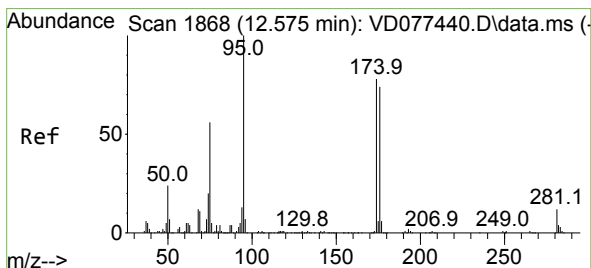
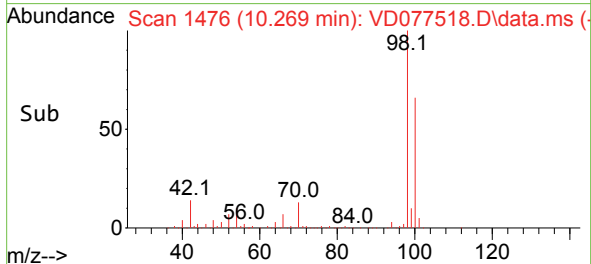
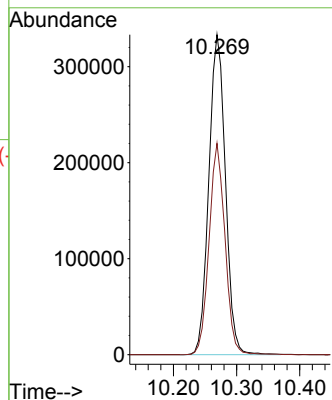
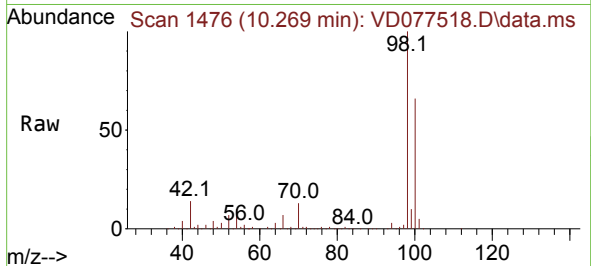




#50
Toluene-d8
Concen: 47.539 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

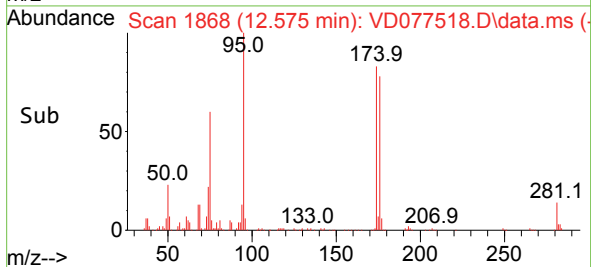
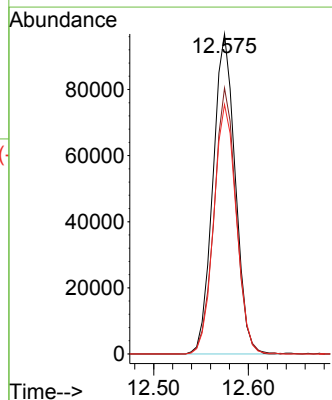
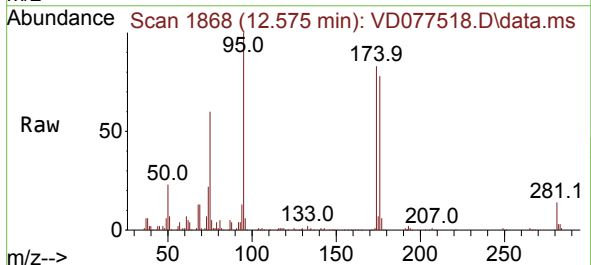
Instrument :
MSVOA_D
ClientSampleId :

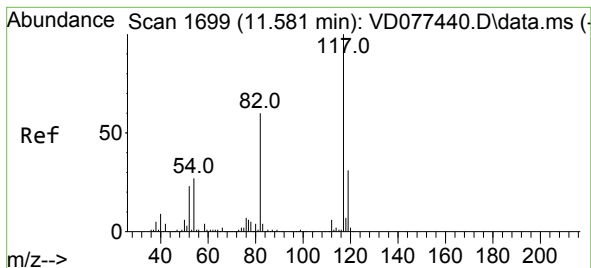
Tgt Ion: 98 Resp: 608901
Ion Ratio Lower Upper
98 100
100 63.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 36.633 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

Tgt Ion: 95 Resp: 158034
Ion Ratio Lower Upper
95 100
174 81.8 0.0 201.8
176 79.0 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

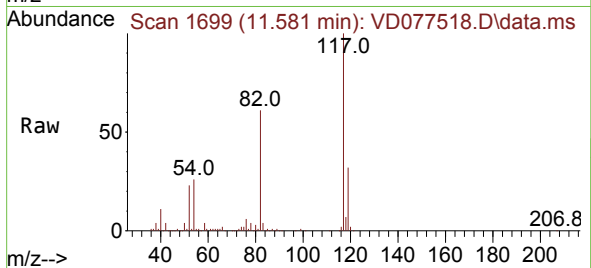
Lab File: VD077518.D

Acq: 08 Nov 2023 14:11

Instrument :

MSVOA_D

ClientSampleId :



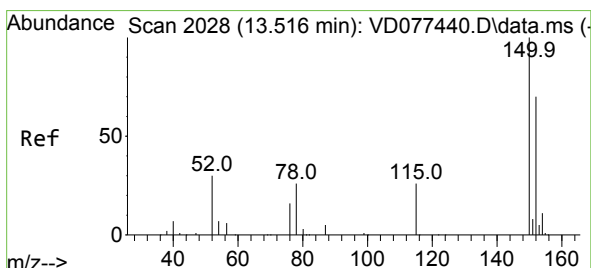
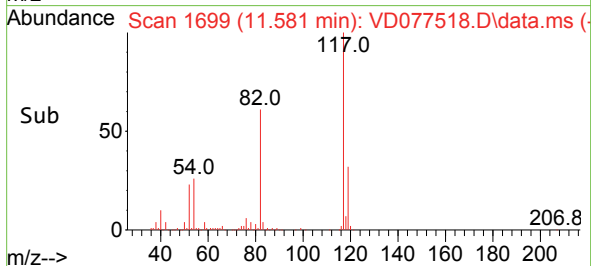
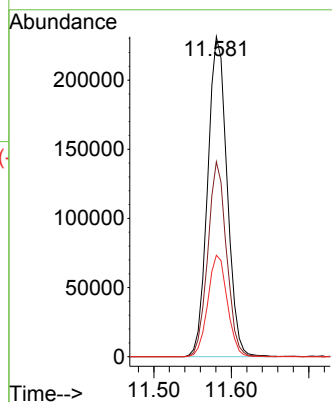
Tgt Ion:117 Resp: 402020

Ion Ratio Lower Upper

117 100

82 60.9 38.3 57.5#

119 31.7 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.006 min

Lab File: VD077518.D

Acq: 08 Nov 2023 14:11

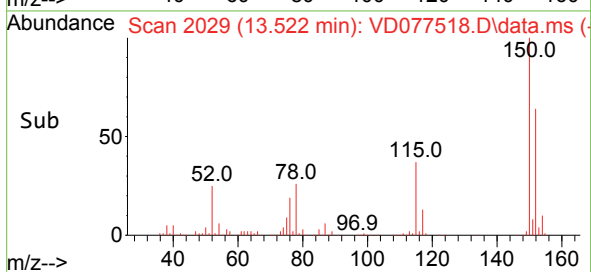
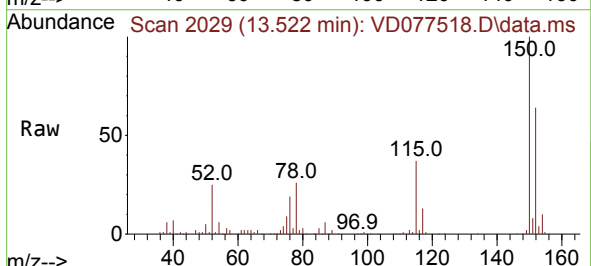
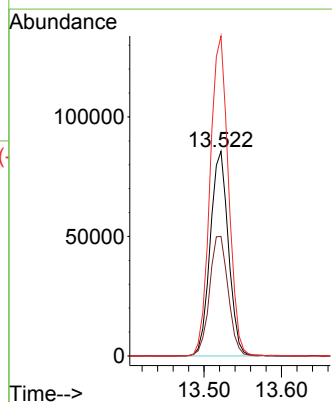
Tgt Ion:152 Resp: 139646

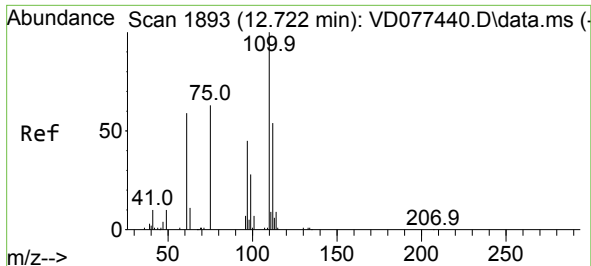
Ion Ratio Lower Upper

152 100

115 60.1 27.1 81.3

150 157.6 0.0 353.6

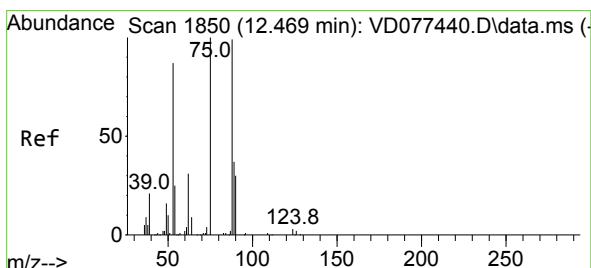
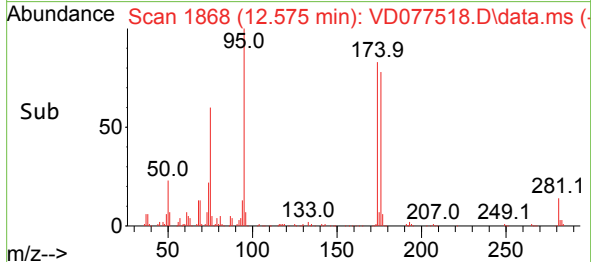
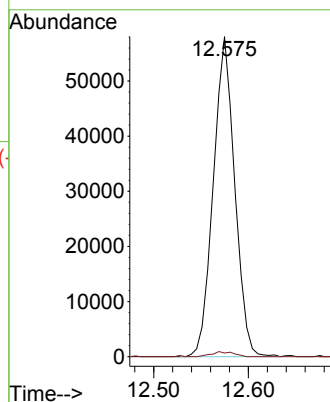
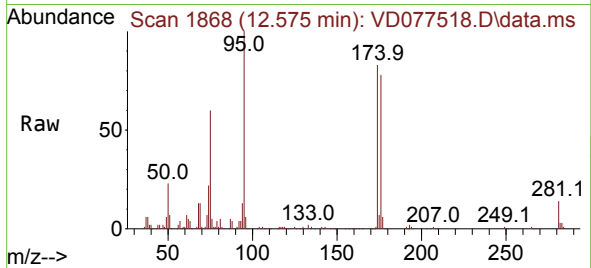




#76
1,2,3-Trichloropropane
Concen: 53.611 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 91118
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.556 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077518.D
Acq: 08 Nov 2023 14:11

Tgt Ion: 75 Resp: 91118
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.1 37.9 56.9#

