

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077461.D
 Acq On : 31 Oct 2023 15:20
 Operator : JC/SY
 Sample : 05141-04
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:08:09 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)

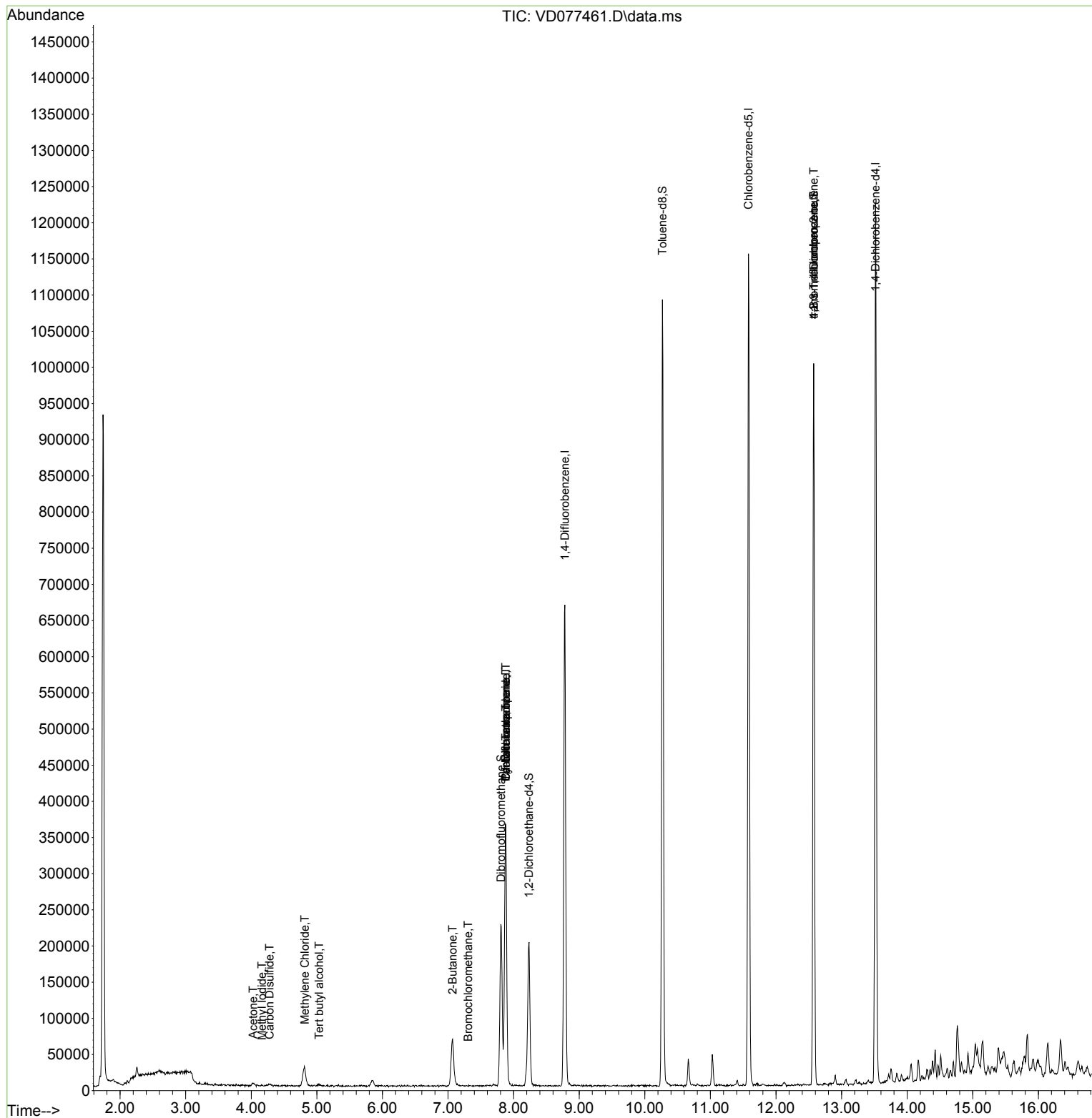
Internal Standards						
1) Pentafluorobenzene	7.881	168	263454	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	541216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	598205	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	299592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	153939	41.322	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.640%
35) Dibromofluoromethane	7.811	113	161880	43.276	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.560%
50) Toluene-d8	10.269	98	710957	48.931	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.860%
62) 4-Bromofluorobenzene	12.575	95	309241	63.192	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	126.380%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.164	142	62	3.165	ug/l #	46
11) Tert butyl alcohol	5.034	59	518	1.755	ug/l #	13
16) Acetone	4.028	43	8479	8.601	ug/l #	75
17) Carbon Disulfide	4.281	76	3778	4.187	ug/l #	76
20) Methylene Chloride	4.817	84	17281	2.359	ug/l #	68
25) 2-Butanone	7.069	43	7813	5.942	ug/l #	60
28) Bromochloromethane	7.305	49	54	2.122	ug/l #	1
31) Cyclohexane	7.881	56	7363	1.264	ug/l #	44
36) 1,1-Dichloropropene	7.881	75	25755	4.644	ug/l #	39
38) Carbon Tetrachloride	7.881	117	28242	5.404	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	174973	47.986	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	174973	92.692	ug/l #	17

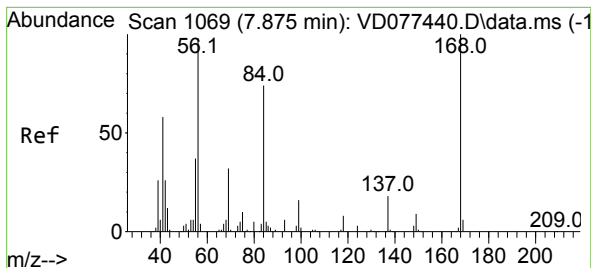
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 01 06:08:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077461.D

Acq: 31 Oct 2023 15:20

Instrument :

MSVOA_D

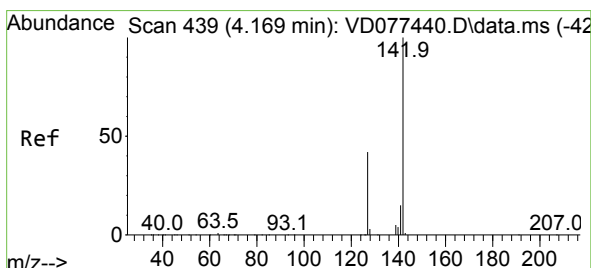
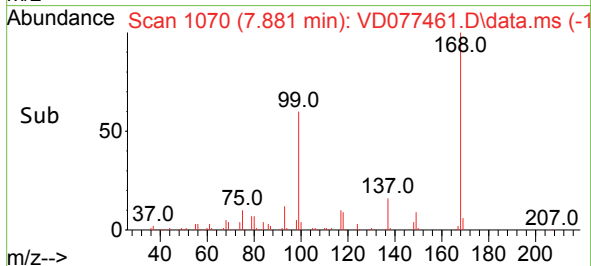
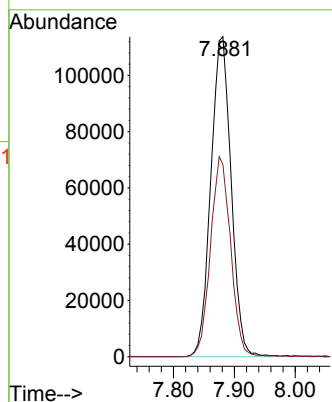
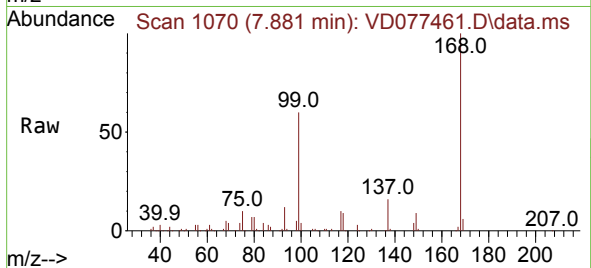
ClientSampleId :

Tgt Ion:168 Resp: 263454

Ion Ratio Lower Upper

168 100

99 60.0 36.7 55.1#



#10

Methyl Iodide

Concen: 3.165 ug/l

RT: 4.164 min Scan# 438

Delta R.T. -0.005 min

Lab File: VD077461.D

Acq: 31 Oct 2023 15:20

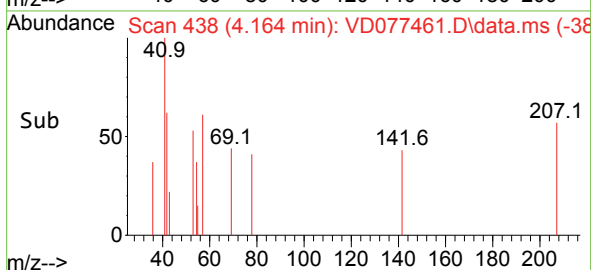
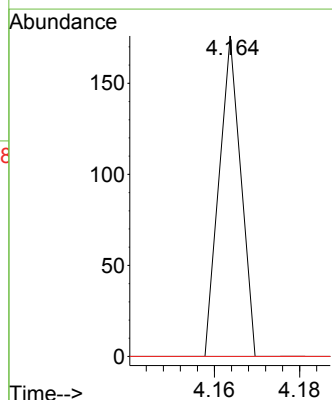
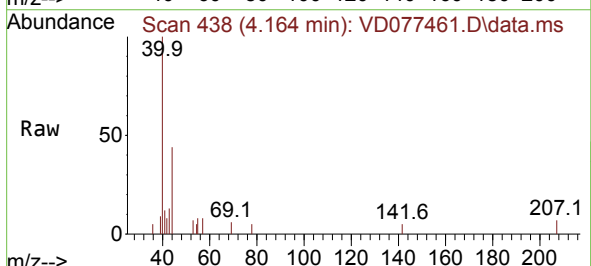
Tgt Ion:142 Resp: 62

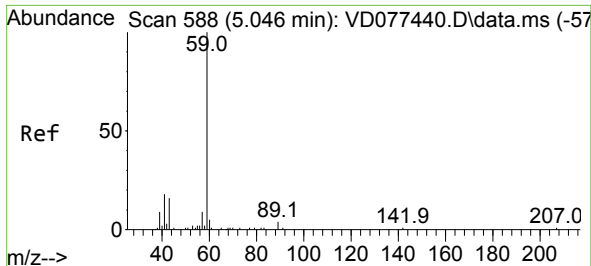
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#

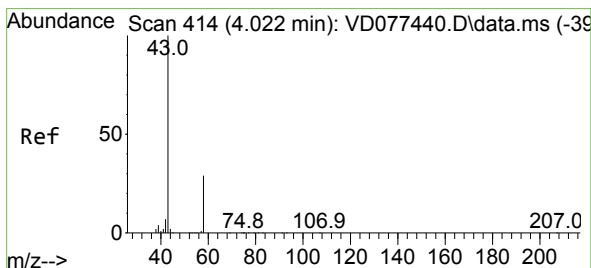
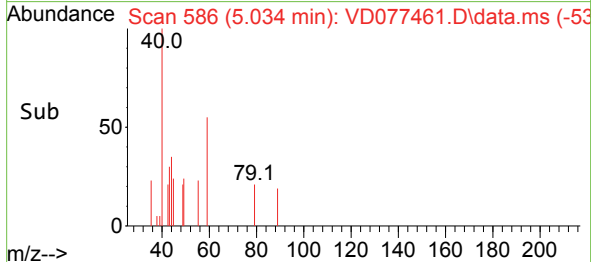
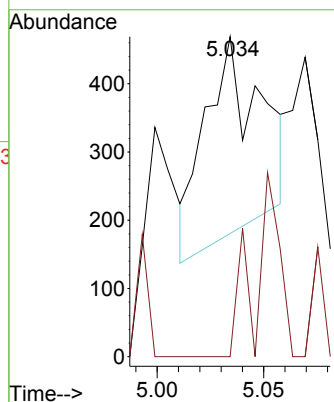
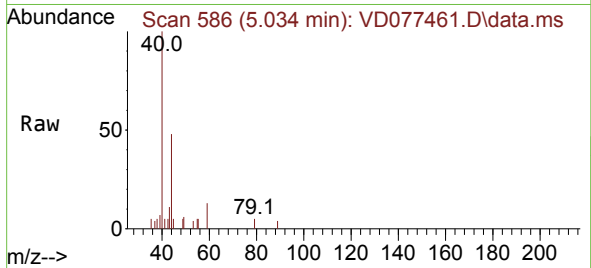




#11
Tert butyl alcohol
Concen: 1.755 ug/l
RT: 5.034 min Scan# 518
Delta R.T. -0.012 min
Lab File: VD077461.D
Acq: 31 Oct 2023 15:20

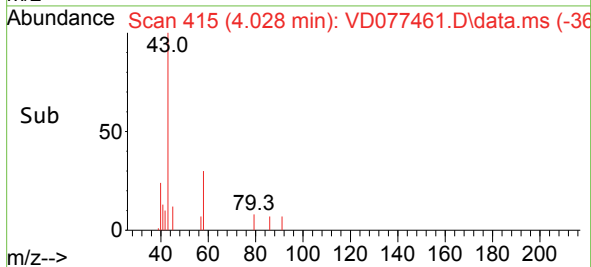
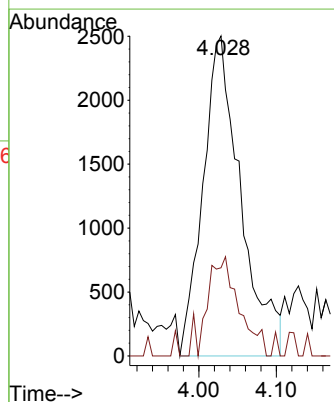
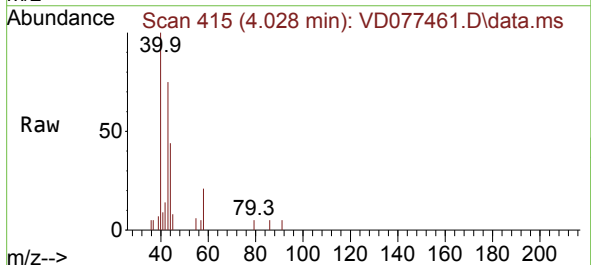
Instrument :
MSVOA_D
ClientSampleId :

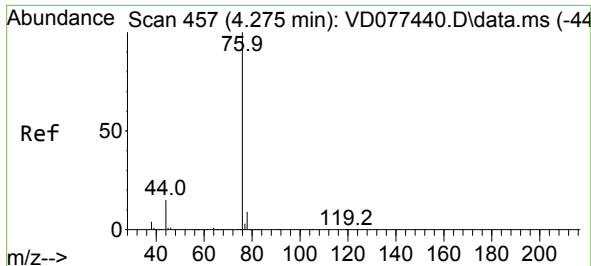
Tgt Ion: 59 Resp: 518
Ion Ratio Lower Upper
59 100
57 41.9 7.8 11.8#



#16
Acetone
Concen: 8.601 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077461.D
Acq: 31 Oct 2023 15:20

Tgt Ion: 43 Resp: 8479
Ion Ratio Lower Upper
43 100
58 27.6 34.7 52.1#

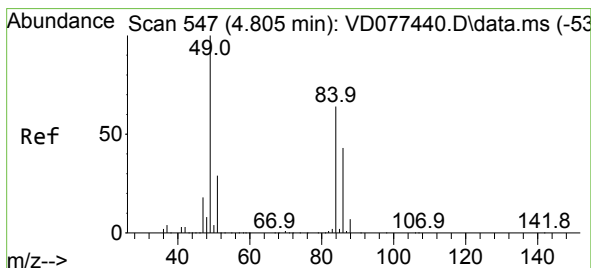
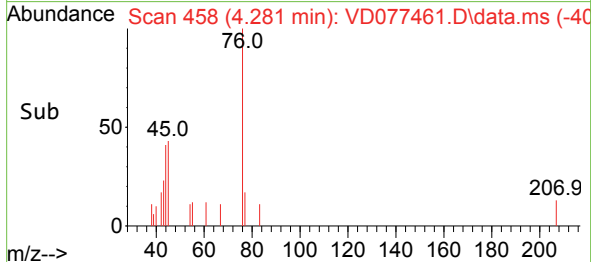
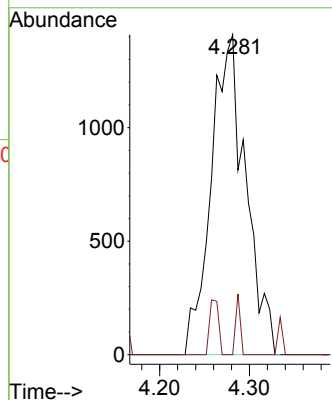
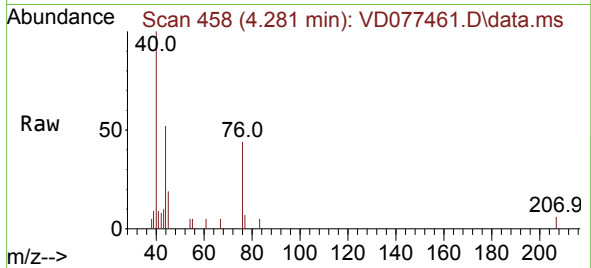




#17
Carbon Disulfide
Concen: 4.187 ug/l
RT: 4.281 min Scan# 458
Delta R.T. 0.006 min
Lab File: VD077461.D
Acq: 31 Oct 2023 15:20

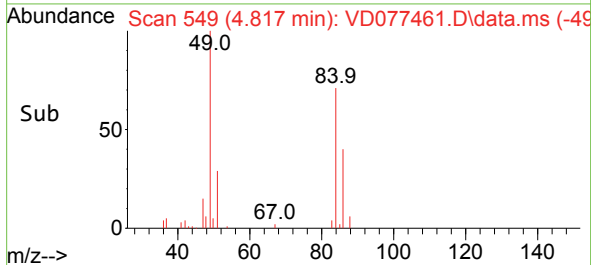
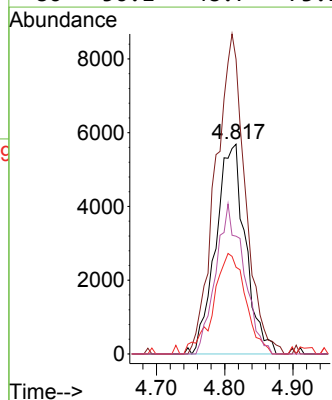
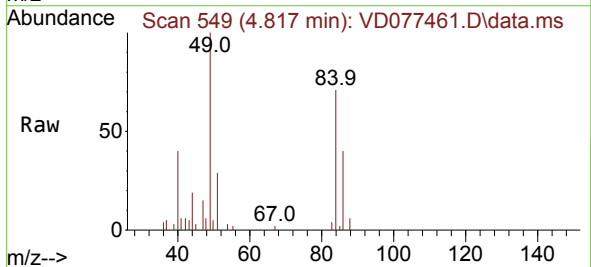
Instrument :
MSVOA_D
ClientSampleId :

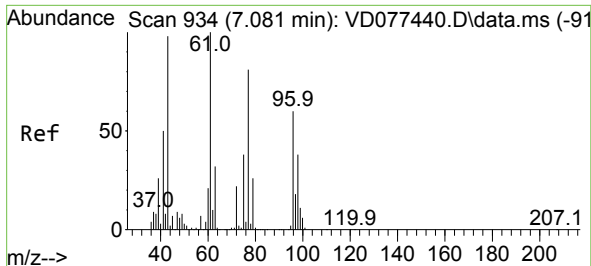
Tgt Ion: 76 Resp: 3778
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 2.359 ug/l
RT: 4.817 min Scan# 549
Delta R.T. 0.012 min
Lab File: VD077461.D
Acq: 31 Oct 2023 15:20

Tgt Ion: 84 Resp: 17281
Ion Ratio Lower Upper
84 100
49 140.5 71.4 107.2#
51 41.4 24.5 36.7#
86 56.1 48.7 73.1

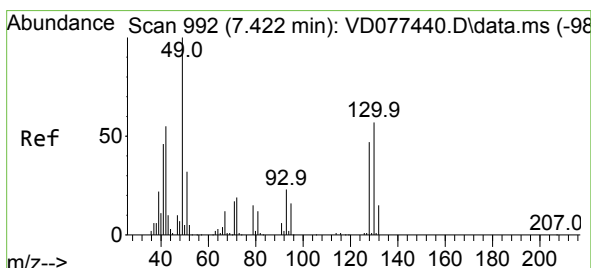
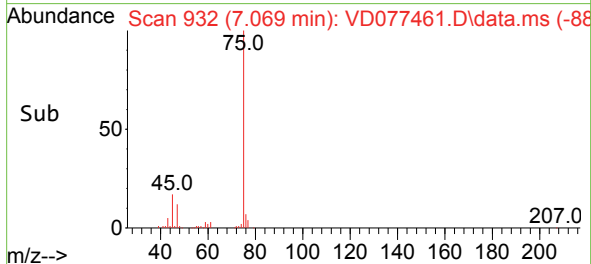
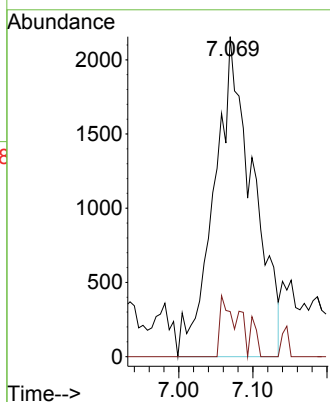
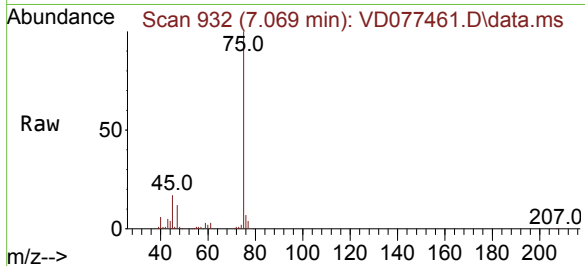




#25
2-Butanone
Concen: 5.942 ug/l
RT: 7.069 min Scan# 912
Delta R.T. -0.012 min
Lab File: VD077461.D
Acq: 31 Oct 2023 15:20

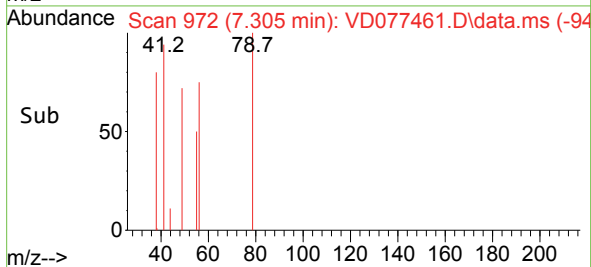
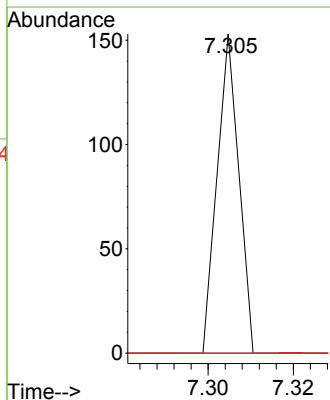
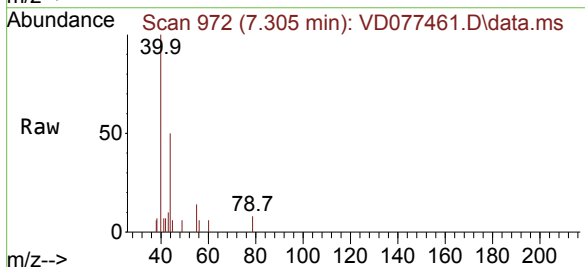
Instrument :
MSVOA_D
ClientSampleId :

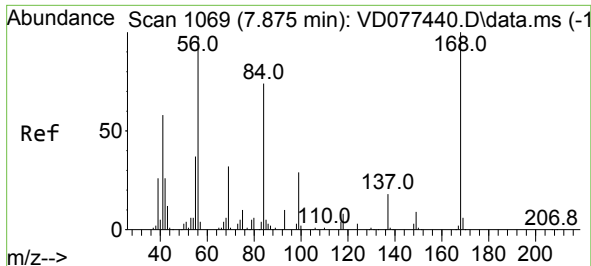
Tgt Ion: 43 Resp: 7813
Ion Ratio Lower Upper
43 100
72 14.1 30.7 46.1#



#28
Bromochloromethane
Concen: 2.122 ug/l
RT: 7.305 min Scan# 972
Delta R.T. -0.117 min
Lab File: VD077461.D
Acq: 31 Oct 2023 15:20

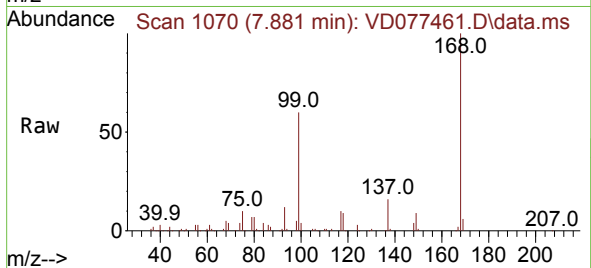
Tgt Ion: 49 Resp: 54
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



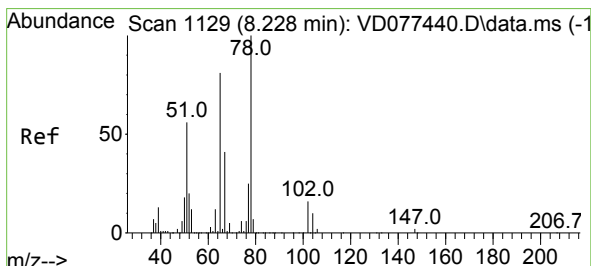
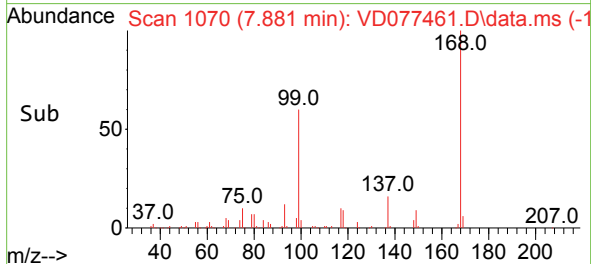
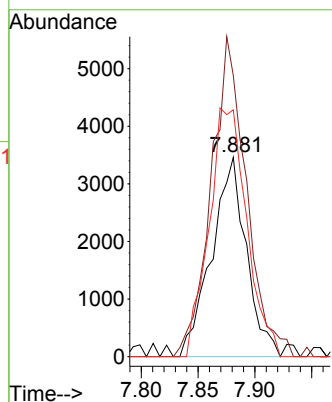


#31
Cyclohexane
Concen: 1.264 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077461.D
Acq: 31 Oct 2023 15:20

Instrument :
MSVOA_D
ClientSampleId :

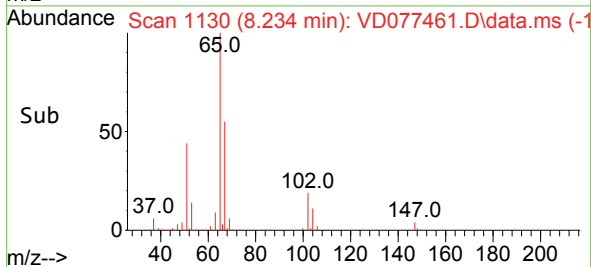
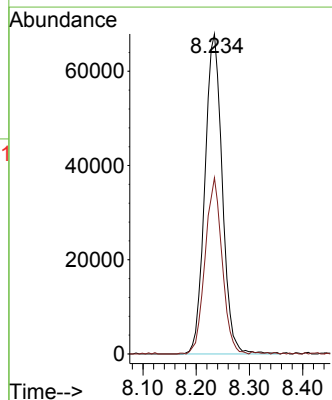
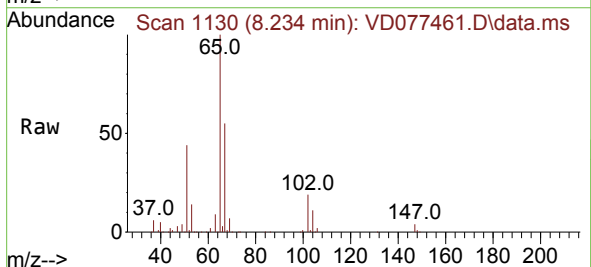


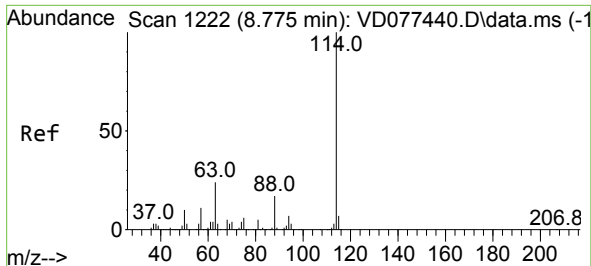
Tgt Ion: 56 Resp: 7363
Ion Ratio Lower Upper
56 100
69 136.3 28.6 43.0#
84 123.8 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 41.322 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077461.D
Acq: 31 Oct 2023 15:20

Tgt Ion: 65 Resp: 153939
Ion Ratio Lower Upper
65 100
67 53.8 0.0 115.0

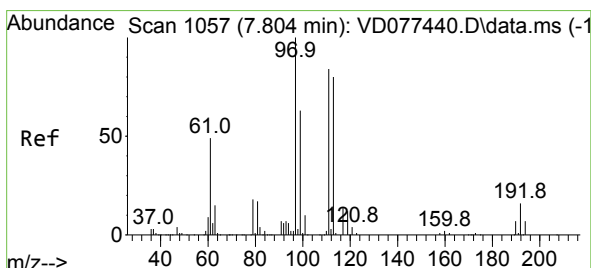
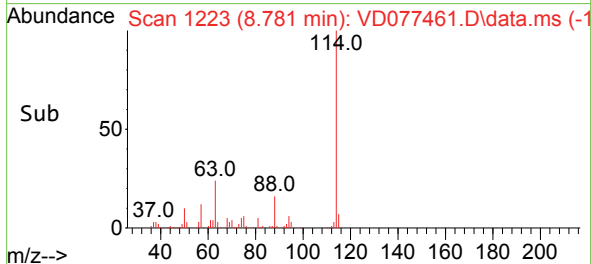
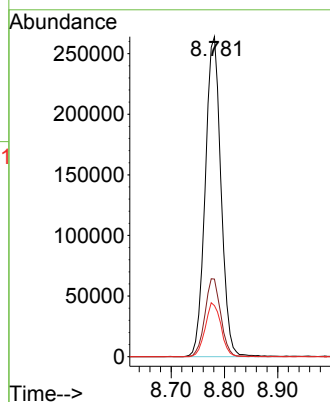
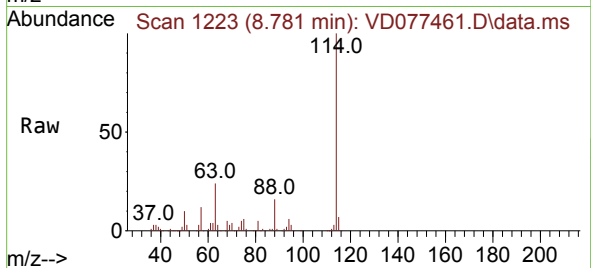




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077461.D
Acq: 31 Oct 2023 15:20

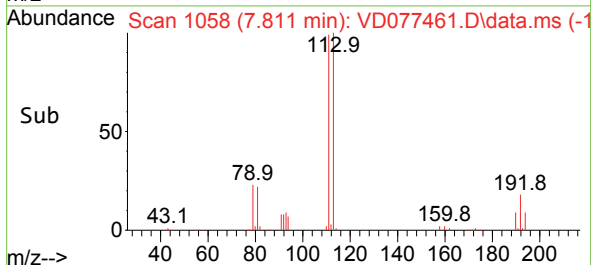
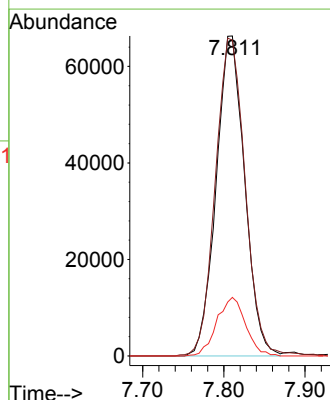
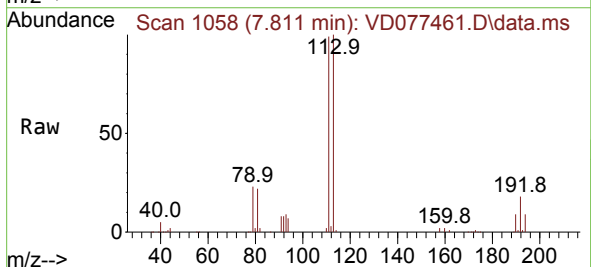
Instrument :
MSVOA_D
ClientSampleId :

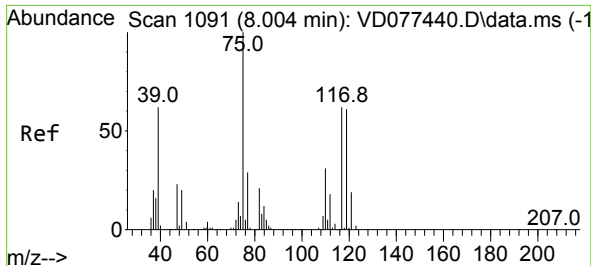
Tgt Ion:114 Resp: 541216
Ion Ratio Lower Upper
114 100
63 24.2 0.0 33.4
88 16.0 0.0 26.2



#35
Dibromofluoromethane
Concen: 43.276 ug/l
RT: 7.811 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077461.D
Acq: 31 Oct 2023 15:20

Tgt Ion:113 Resp: 161880
Ion Ratio Lower Upper
113 100
111 103.9 84.7 127.1
192 18.5 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.644 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

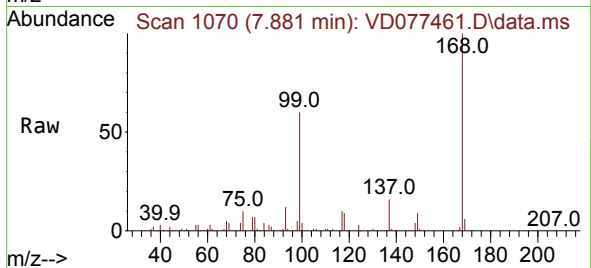
Lab File: VD077461.D

Acq: 31 Oct 2023 15:20

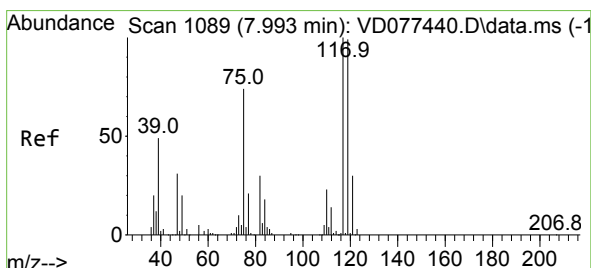
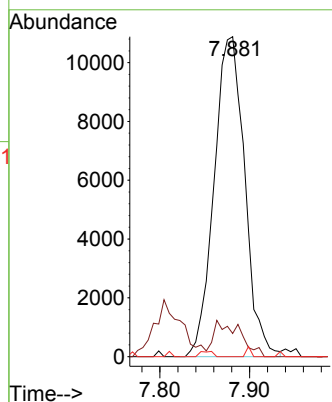
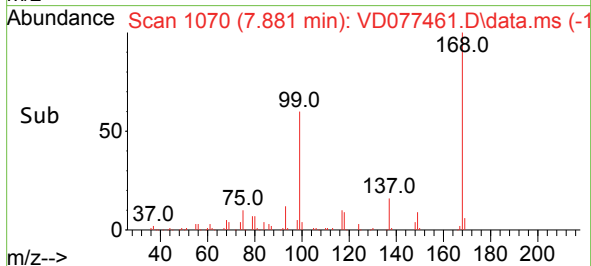
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	25755
Ion Ratio	Lower	Upper	
75	100		
110	0.0	19.9	59.6#
77	0.5	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 5.404 ug/l

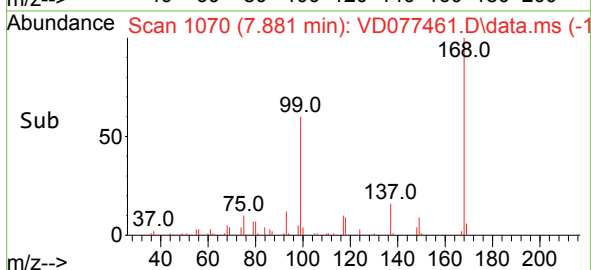
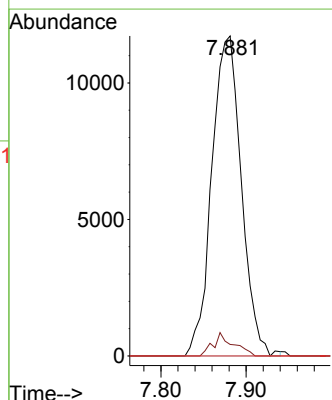
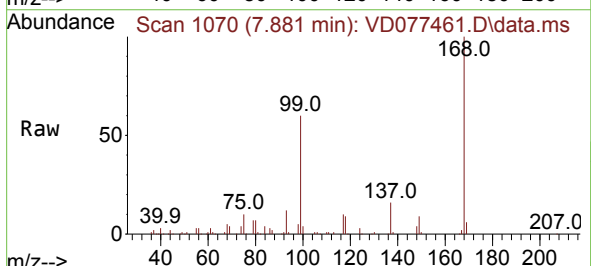
RT: 7.881 min Scan# 1070

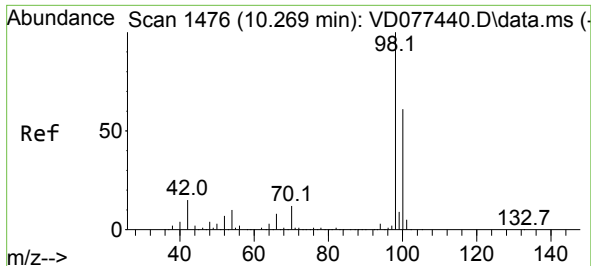
Delta R.T. -0.112 min

Lab File: VD077461.D

Acq: 31 Oct 2023 15:20

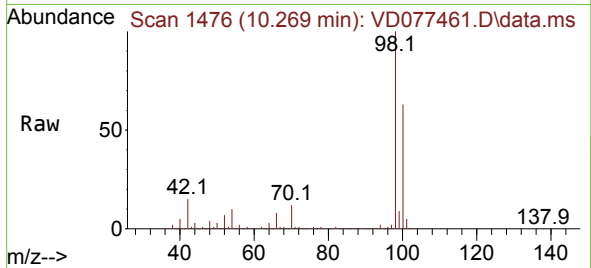
Tgt Ion:	117	Resp:	28242
Ion Ratio	Lower	Upper	
117	100		
119	3.6	78.0	117.0#
121	0.0	24.2	36.2#



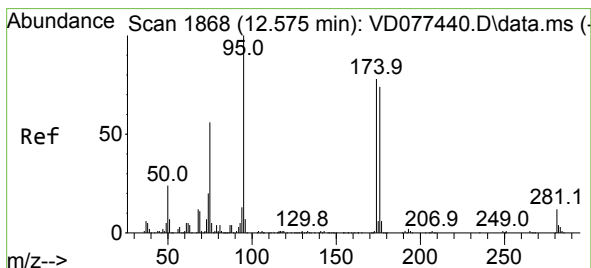
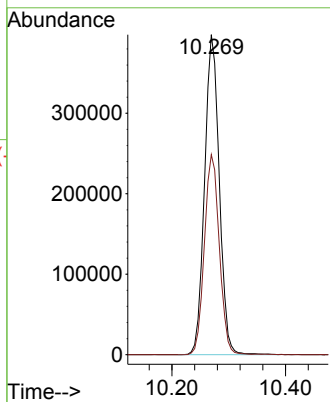
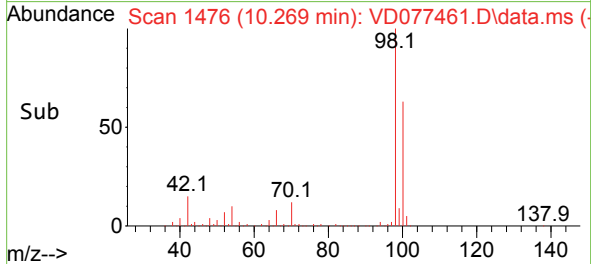


#50
Toluene-d8
Concen: 48.931 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077461.D
Acq: 31 Oct 2023 15:20

Instrument :
MSVOA_D
ClientSampleId :

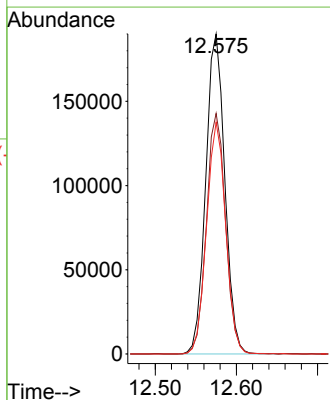
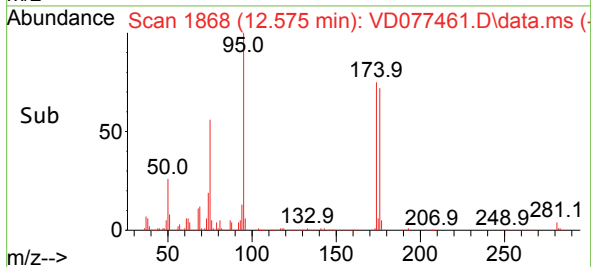
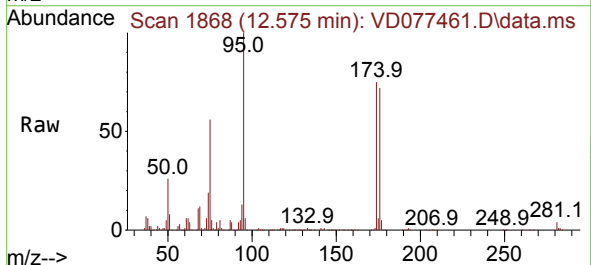


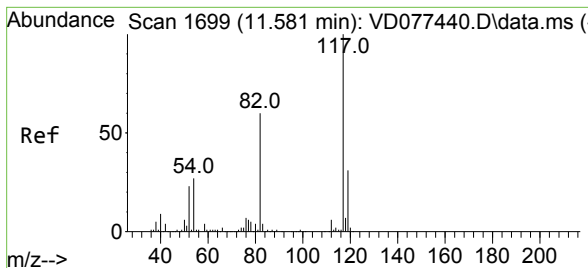
Tgt Ion: 98 Resp: 710957
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 63.192 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077461.D
Acq: 31 Oct 2023 15:20

Tgt Ion: 95 Resp: 309241
Ion Ratio Lower Upper
95 100
174 75.4 0.0 201.8
176 72.6 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: VD077461.D

Acq: 31 Oct 2023 15:20

Instrument :

MSVOA_D

ClientSampleId :

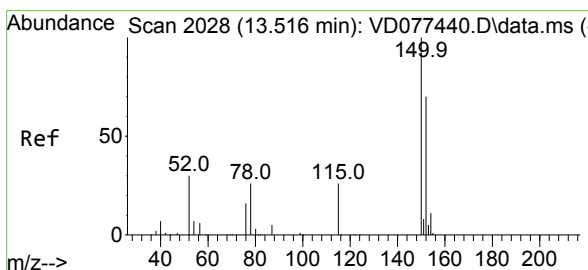
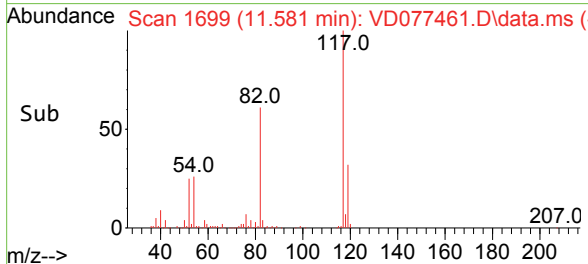
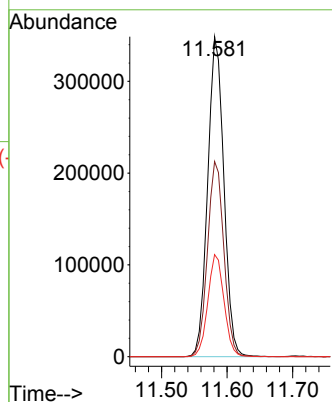
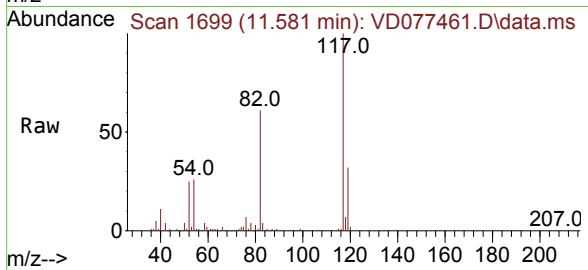
Tgt Ion:117 Resp: 598205

Ion Ratio Lower Upper

117 100

82 61.0 38.3 57.5#

119 31.9 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD077461.D

Acq: 31 Oct 2023 15:20

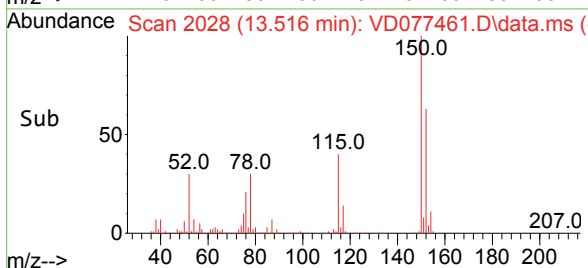
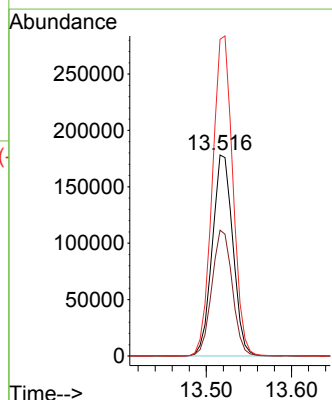
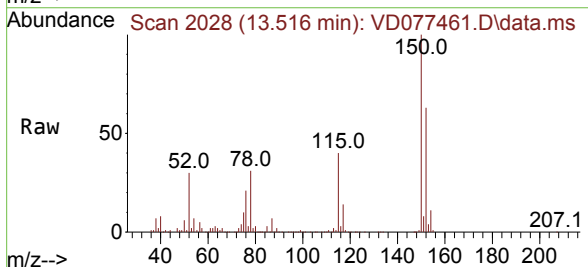
Tgt Ion:152 Resp: 299592

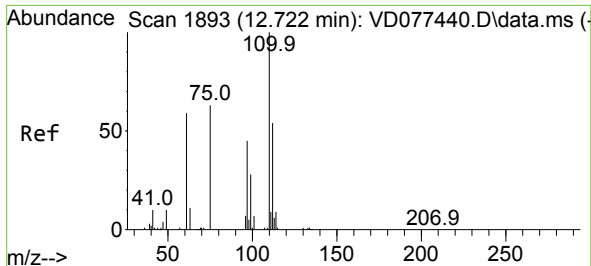
Ion Ratio Lower Upper

152 100

115 62.1 27.1 81.3

150 158.1 0.0 353.6

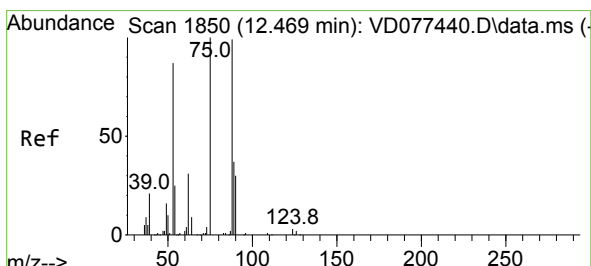
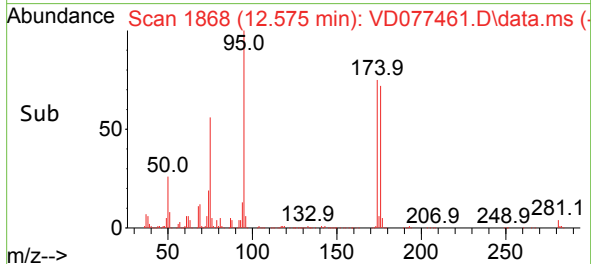
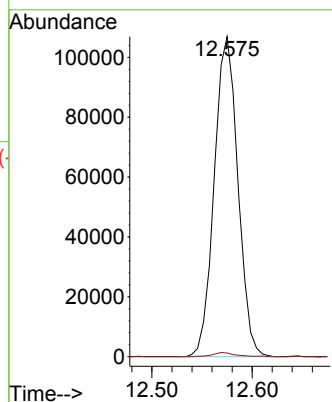
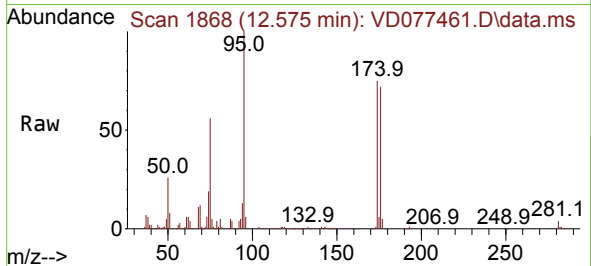




#76
1,2,3-Trichloropropane
Concen: 47.986 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077461.D
Acq: 31 Oct 2023 15:20

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 174973
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.692 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077461.D
Acq: 31 Oct 2023 15:20

Tgt Ion: 75 Resp: 174973
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.1 37.9 56.9#

