

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110123\
 Data File : VD077478.D
 Acq On : 01 Nov 2023 14:05
 Operator : JC/SY
 Sample : 05196-02
 Misc : 4.99G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 02 00:55:19 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)

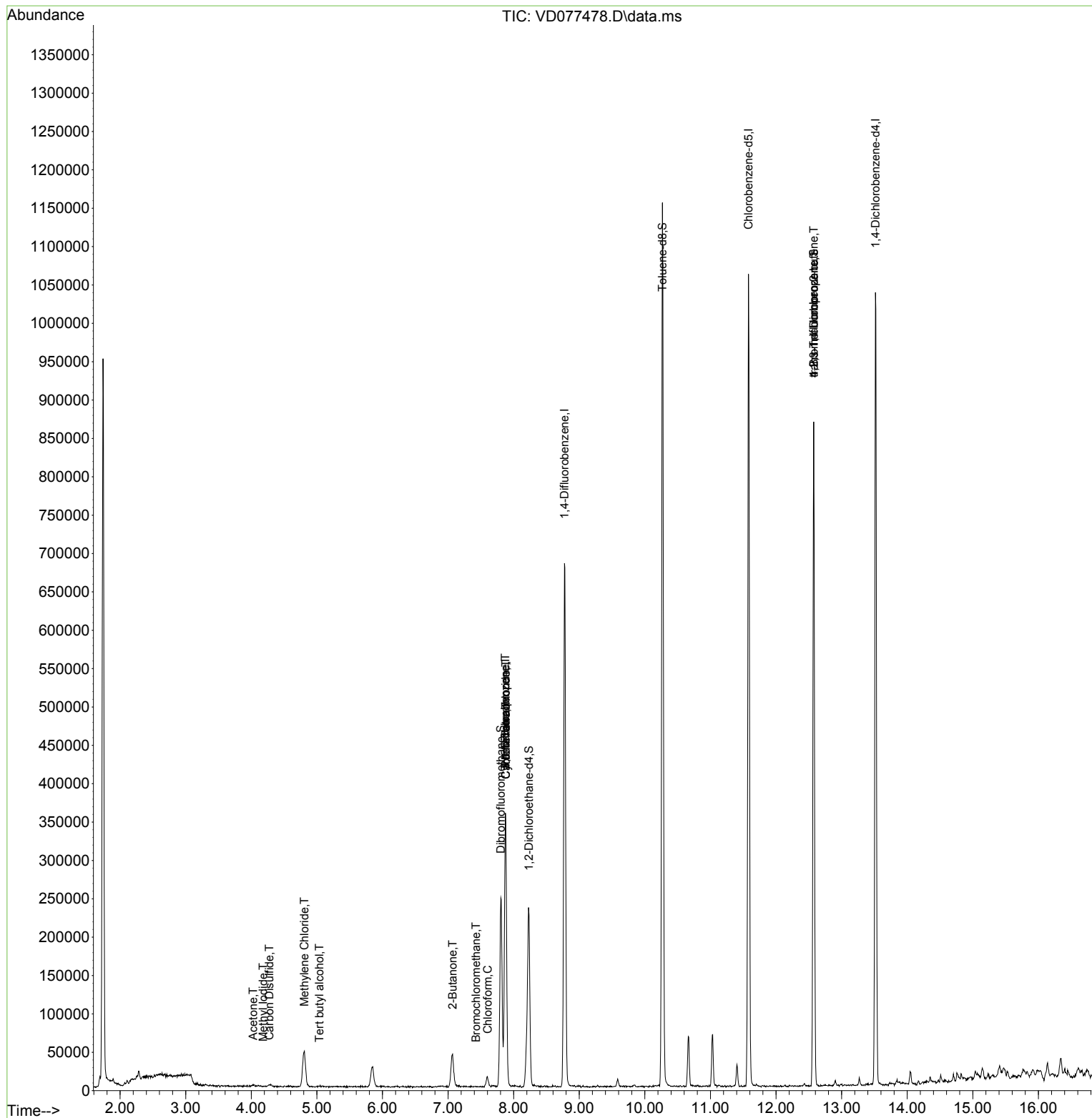
Internal Standards						
1) Pentafluorobenzene	7.875	168	262350	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	564356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	551115	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	260621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	177985	47.978	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.960%
35) Dibromofluoromethane	7.804	113	177809	45.585	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.160%
50) Toluene-d8	10.269	98	750221	49.516	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.040%
62) 4-Bromofluorobenzene	12.575	95	256579	50.281	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.560%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.181	142	58	3.164	ug/l	# 46
11) Tert butyl alcohol	5.040	59	1342	4.567	ug/l	# 85
16) Acetone	4.028	43	5447	5.549	ug/l	91
17) Carbon Disulfide	4.275	76	3052	4.106	ug/l	# 81
20) Methylene Chloride	4.811	84	31519	6.434	ug/l	# 59
25) 2-Butanone	7.069	43	3499	2.672	ug/l	# 65
28) Bromochloromethane	7.428	49	78	2.129	ug/l	# 1
30) Chloroform	7.604	83	11851	1.820	ug/l	86
31) Cyclohexane	7.881	56	7622	1.314	ug/l	# 49
36) 1,1-Dichloropropene	7.875	75	25006	4.324	ug/l	# 46
38) Carbon Tetrachloride	7.881	117	29463	5.406	ug/l	# 13
76) 1,2,3-Trichloropropane	12.575	75	146838	46.292	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	146838	89.419	ug/l	# 17

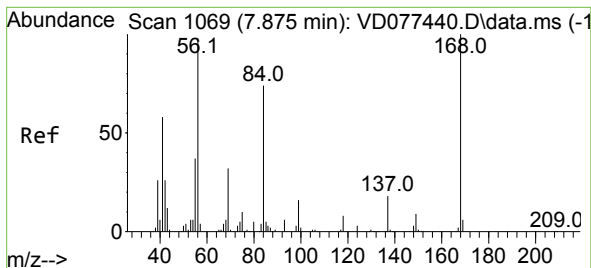
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 02 00:55:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
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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# 1069

Delta R.T. 0.000 min

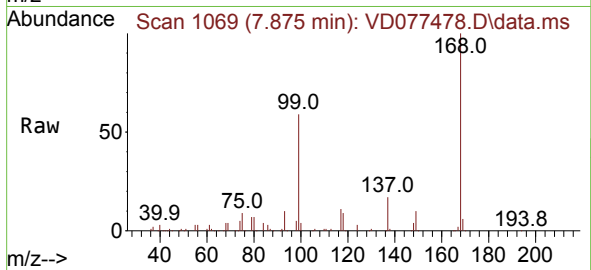
Lab File: VD077478.D

Acq: 01 Nov 2023 14:05

Instrument :

MSVOA_D

ClientSampleId :

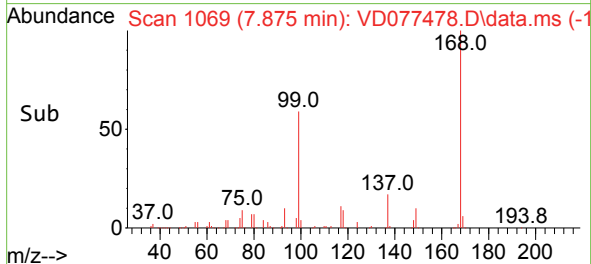
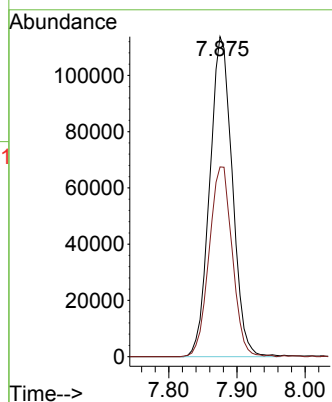


Tgt Ion:168 Resp: 262350

Ion Ratio Lower Upper

168 100

99 59.3 36.7 55.1#



#10

Methyl Iodide

Concen: 3.164 ug/l

RT: 4.181 min Scan# 441

Delta R.T. 0.012 min

Lab File: VD077478.D

Acq: 01 Nov 2023 14:05

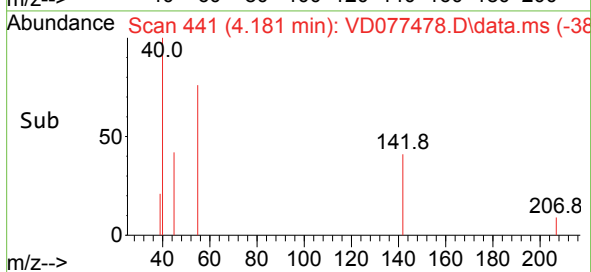
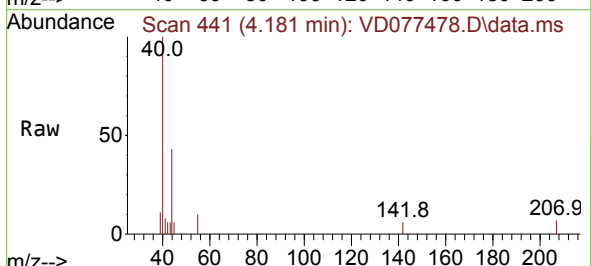
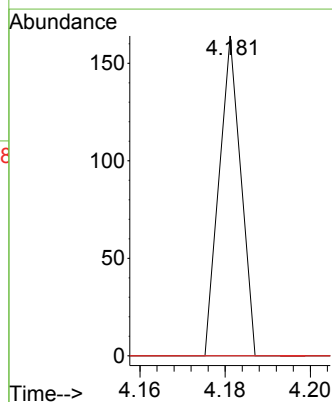
Tgt Ion:142 Resp: 58

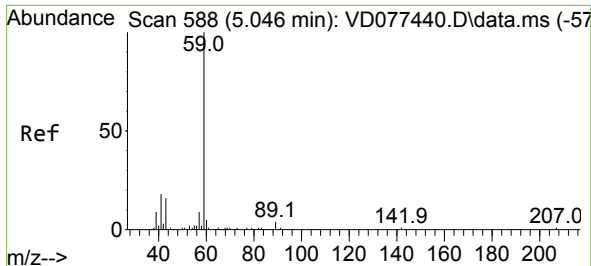
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#

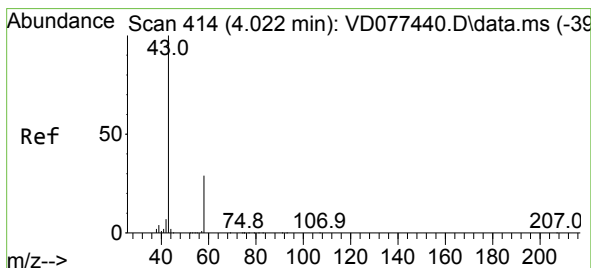
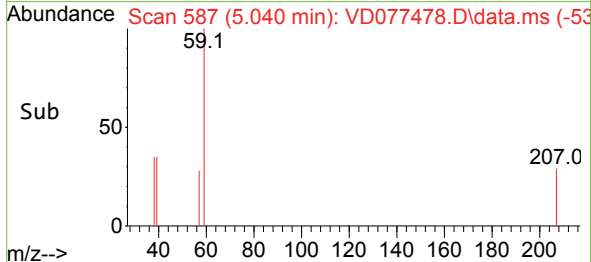
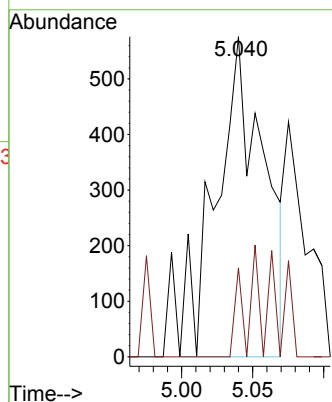
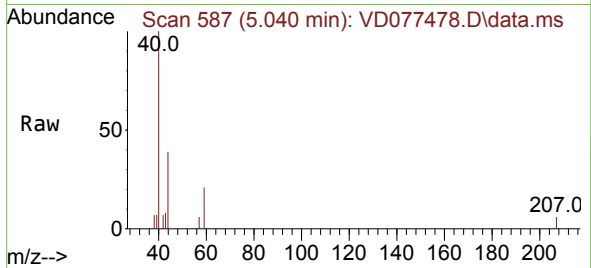




#11
Tert butyl alcohol
Concen: 4.567 ug/l
RT: 5.040 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD077478.D
Acq: 01 Nov 2023 14:05

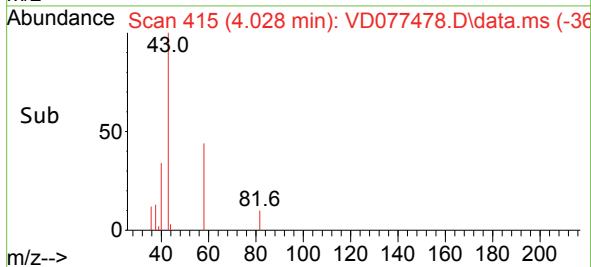
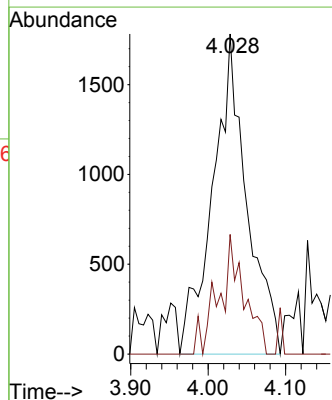
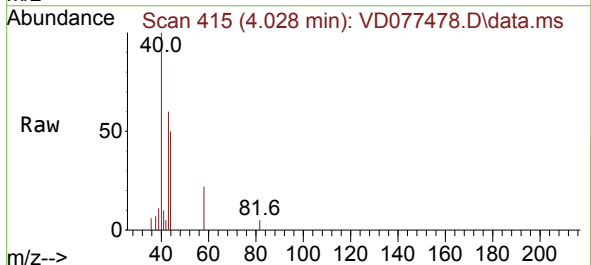
Instrument :
MSVOA_D
ClientSampleId :

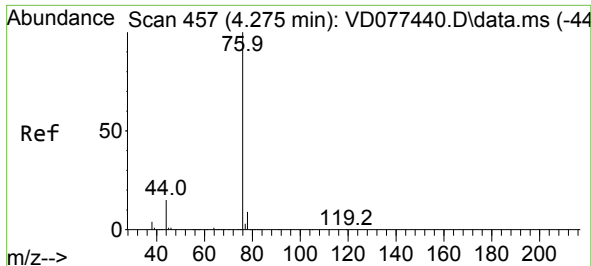
Tgt Ion: 59 Resp: 1342
Ion Ratio Lower Upper
59 100
57 4.2 7.8 11.8#



#16
Acetone
Concen: 5.549 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077478.D
Acq: 01 Nov 2023 14:05

Tgt Ion: 43 Resp: 5447
Ion Ratio Lower Upper
43 100
58 37.4 34.7 52.1

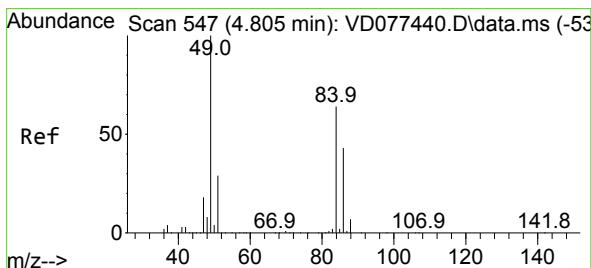
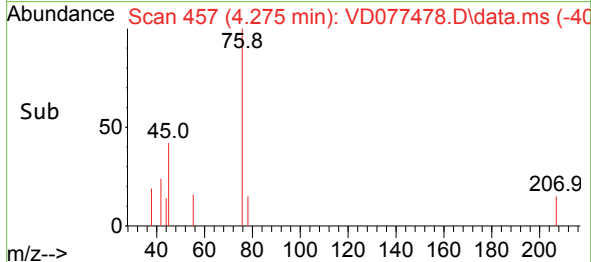
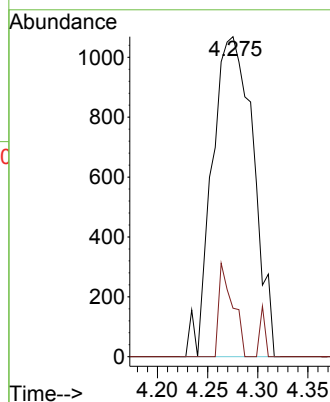
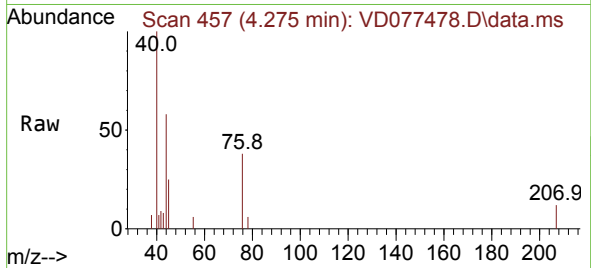




#17
Carbon Disulfide
Concen: 4.106 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD077478.D
Acq: 01 Nov 2023 14:05

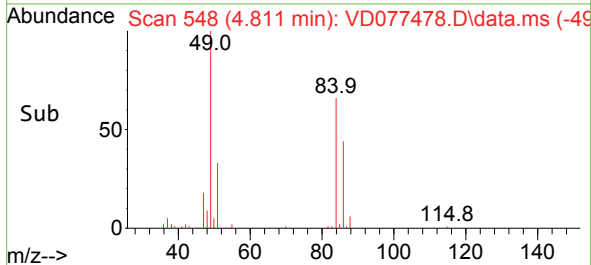
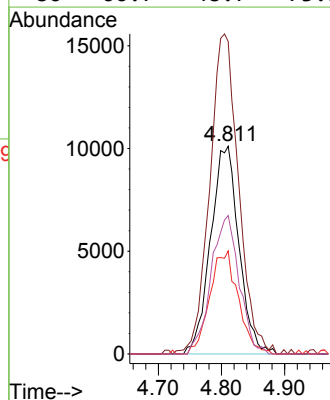
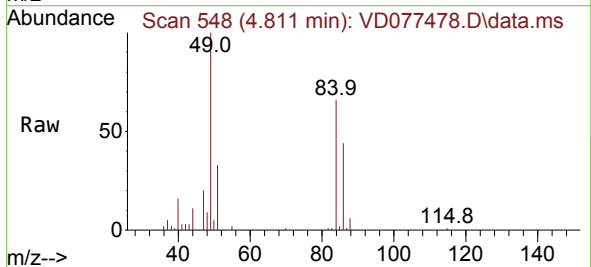
Instrument :
MSVOA_D
ClientSampleId :

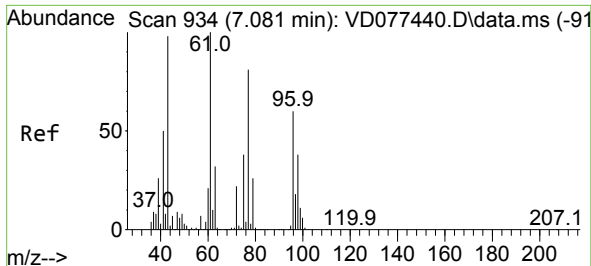
Tgt Ion: 76 Resp: 3052
Ion Ratio Lower Upper
76 100
78 15.2 6.8 10.2#



#20
Methylene Chloride
Concen: 6.434 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD077478.D
Acq: 01 Nov 2023 14:05

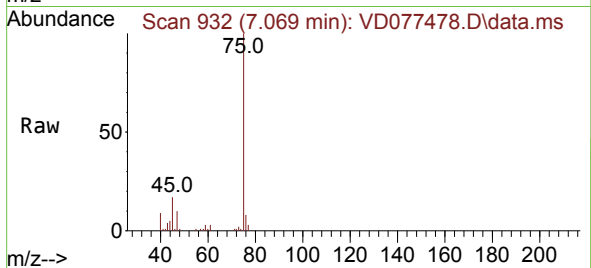
Tgt Ion: 84 Resp: 31519
Ion Ratio Lower Upper
84 100
49 150.5 71.4 107.2#
51 49.6 24.5 36.7#
86 66.7 48.7 73.1



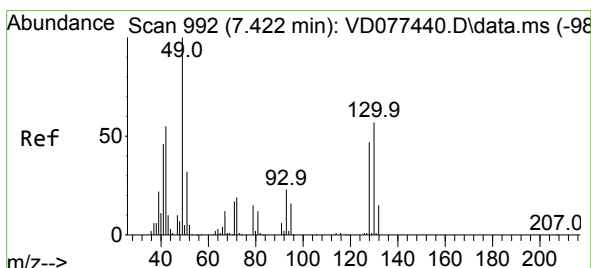
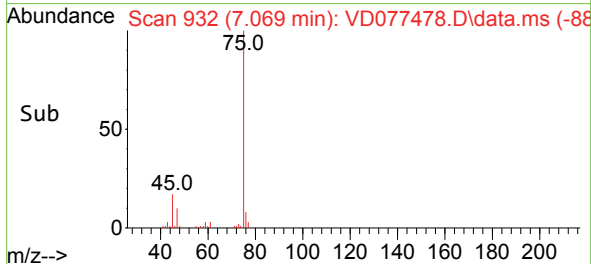
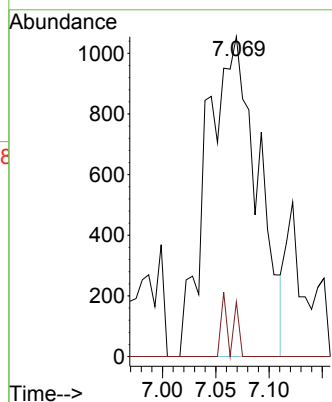


#25
2-Butanone
Concen: 2.672 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD077478.D
Acq: 01 Nov 2023 14:05

Instrument :
MSVOA_D
ClientSampleId :

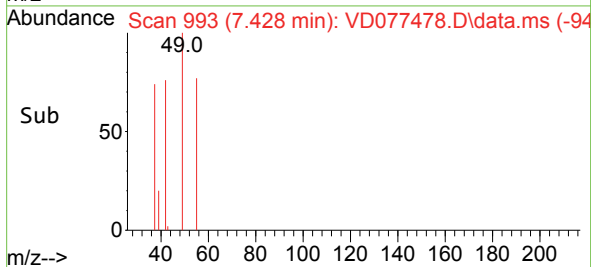
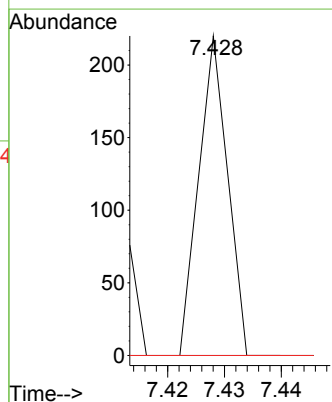
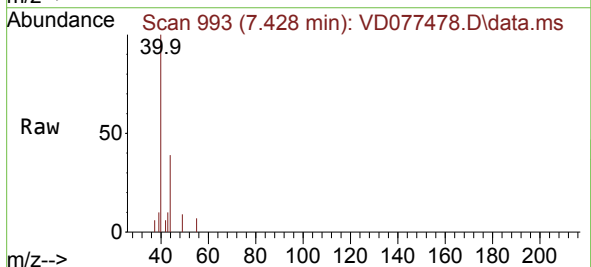


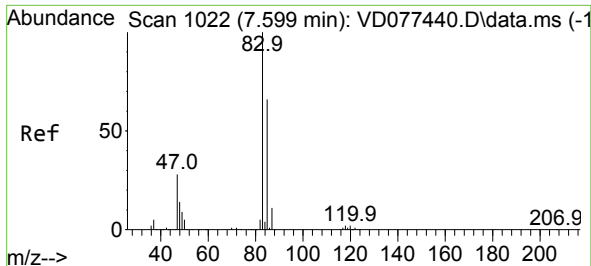
Tgt Ion: 43 Resp: 3499
Ion Ratio Lower Upper
43 100
72 17.1 30.7 46.1#



#28
Bromochloromethane
Concen: 2.129 ug/l
RT: 7.428 min Scan# 993
Delta R.T. 0.006 min
Lab File: VD077478.D
Acq: 01 Nov 2023 14:05

Tgt Ion: 49 Resp: 78
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#30

Chloroform

Concen: 1.820 ug/l

RT: 7.604 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VD077478.D

Acq: 01 Nov 2023 14:05

Instrument :

MSVOA_D

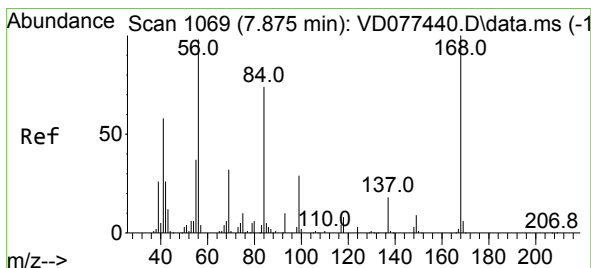
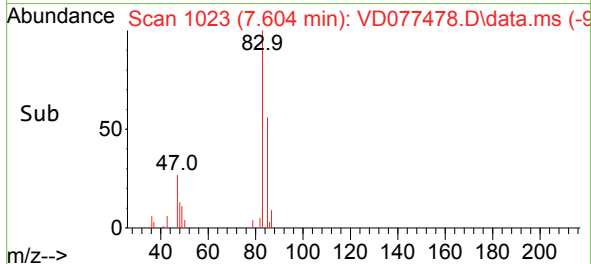
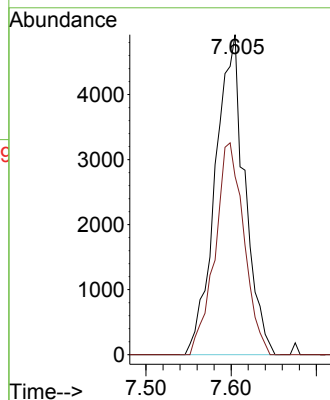
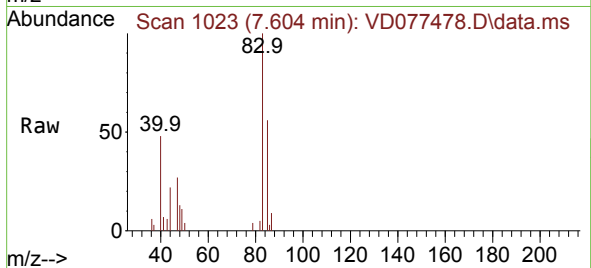
ClientSampleId :

Tgt Ion: 83 Resp: 11851

Ion Ratio Lower Upper

83 100

85 55.7 53.4 80.2



#31

Cyclohexane

Concen: 1.314 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD077478.D

Acq: 01 Nov 2023 14:05

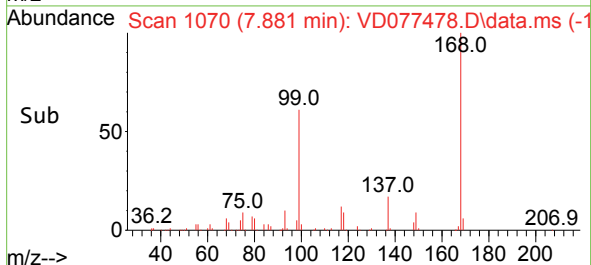
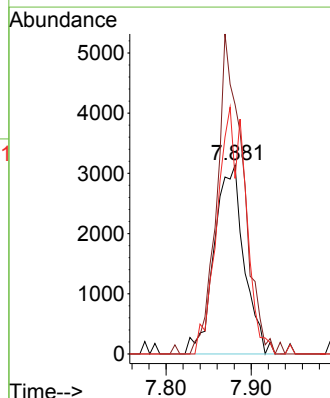
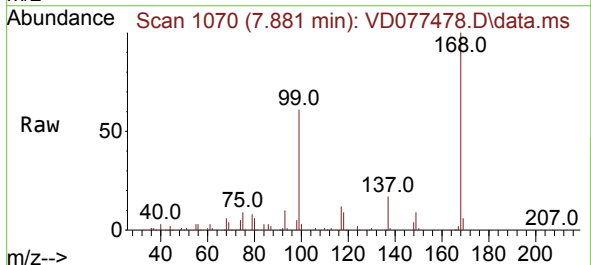
Tgt Ion: 56 Resp: 7622

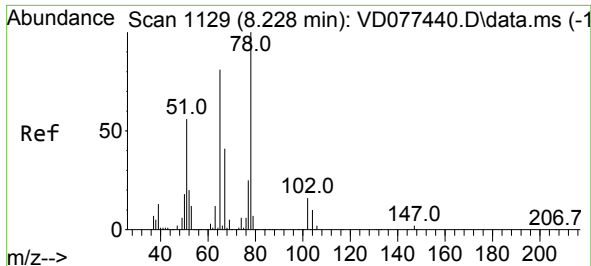
Ion Ratio Lower Upper

56 100

69 132.0 28.6 43.0#

84 92.9 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 47.978 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077478.D

Acq: 01 Nov 2023 14:05

Instrument :

MSVOA_D

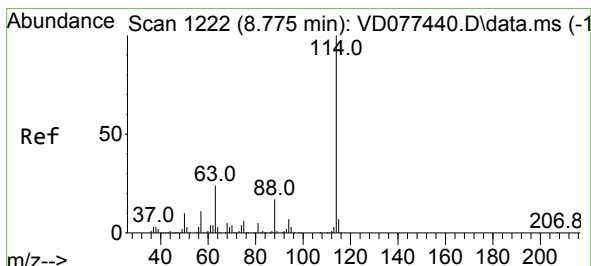
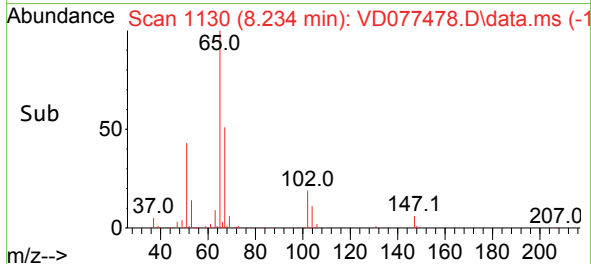
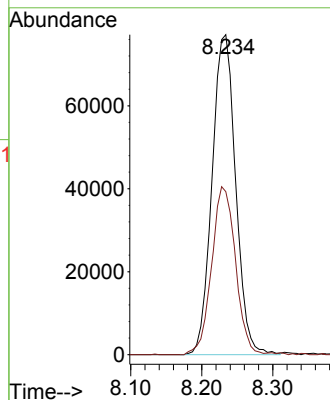
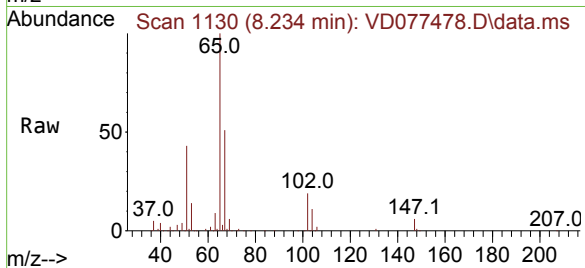
ClientSampleId :

Tgt Ion: 65 Resp: 177985

Ion Ratio Lower Upper

65 100

67 53.0 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077478.D

Acq: 01 Nov 2023 14:05

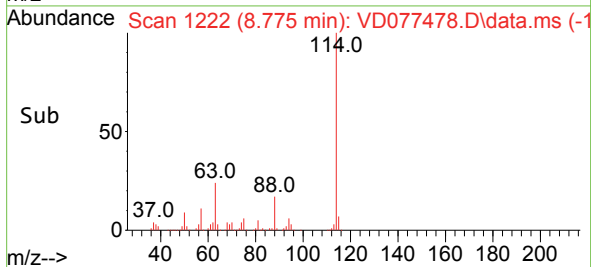
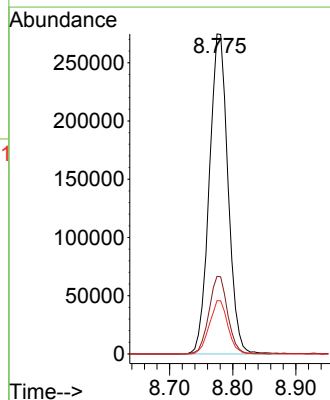
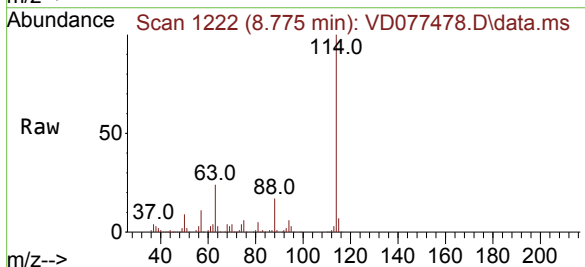
Tgt Ion: 114 Resp: 564356

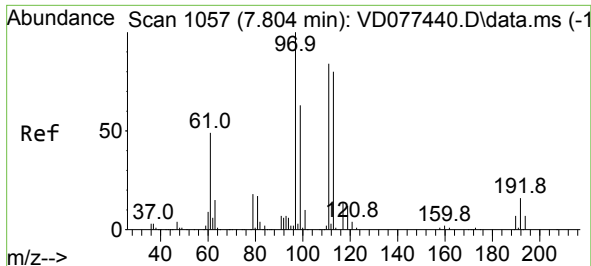
Ion Ratio Lower Upper

114 100

63 24.3 0.0 33.4

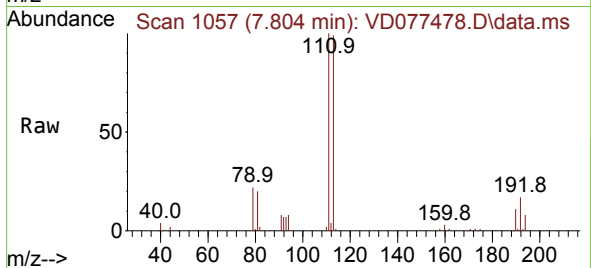
88 16.6 0.0 26.2



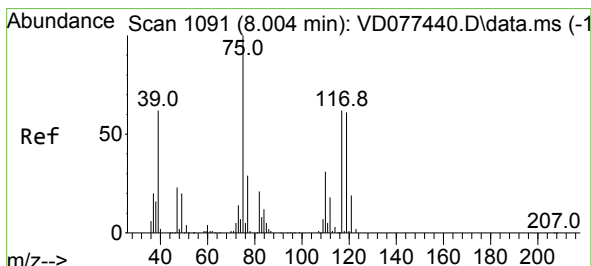
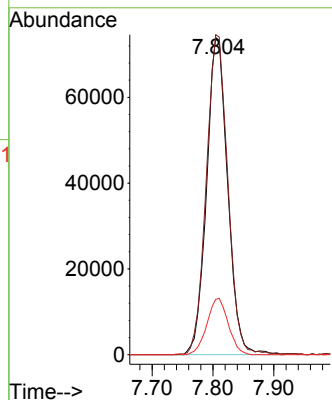
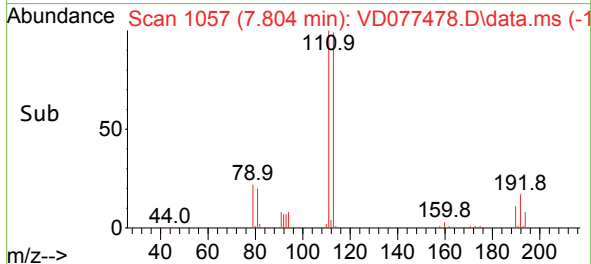


#35
Dibromofluoromethane
Concen: 45.585 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077478.D
Acq: 01 Nov 2023 14:05

Instrument :
MSVOA_D
ClientSampleId :

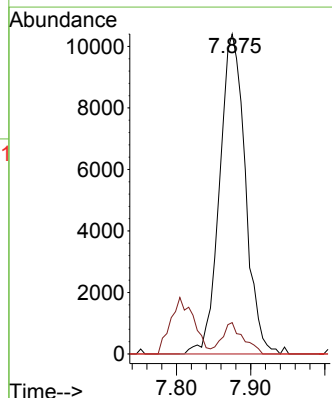
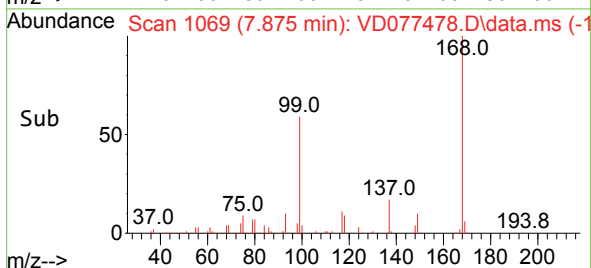
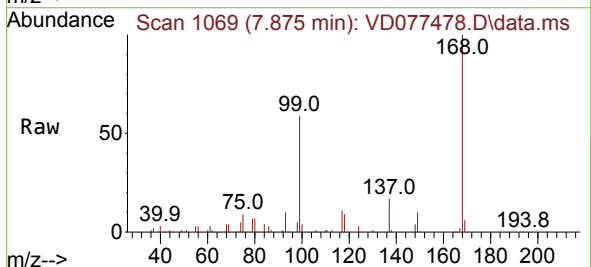


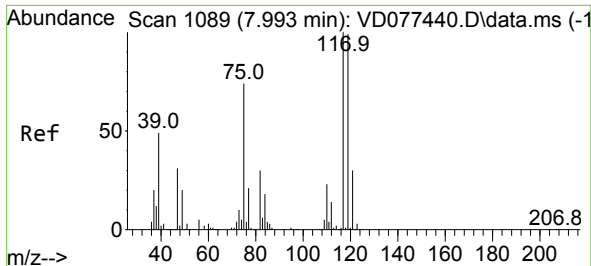
Tgt Ion:113 Resp: 177809
Ion Ratio Lower Upper
113 100
111 103.0 84.7 127.1
192 18.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.324 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077478.D
Acq: 01 Nov 2023 14:05

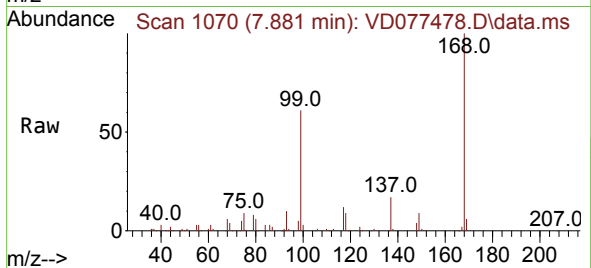
Tgt Ion: 75 Resp: 25006
Ion Ratio Lower Upper
75 100
110 8.1 19.9 59.6#
77 0.0 24.7 37.1#



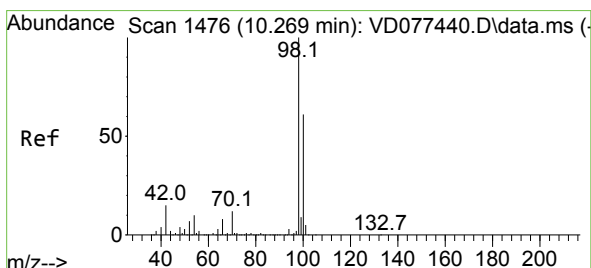
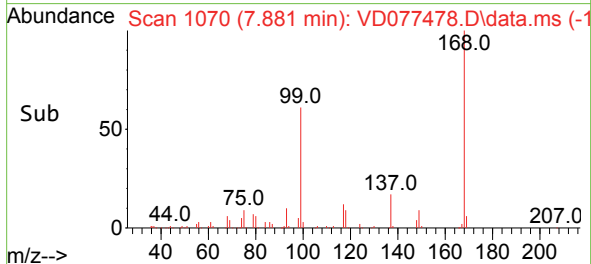
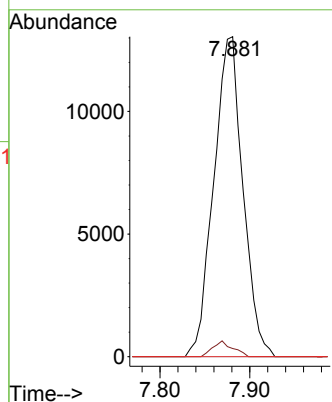


#38
Carbon Tetrachloride
Concen: 5.406 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077478.D
Acq: 01 Nov 2023 14:05

Instrument :
MSVOA_D
ClientSampleId :

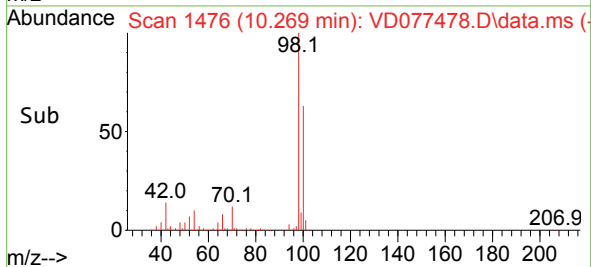
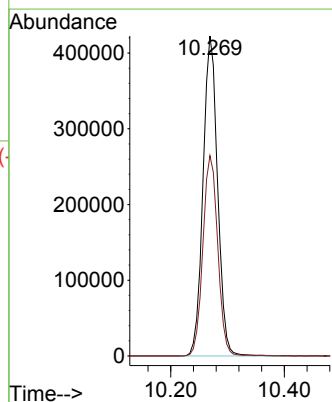
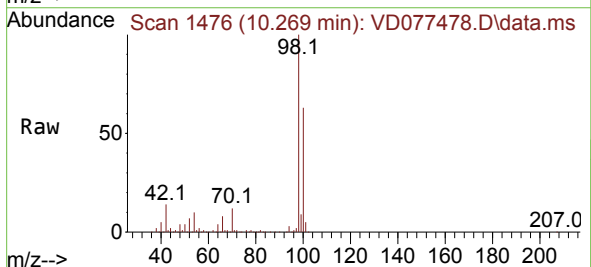


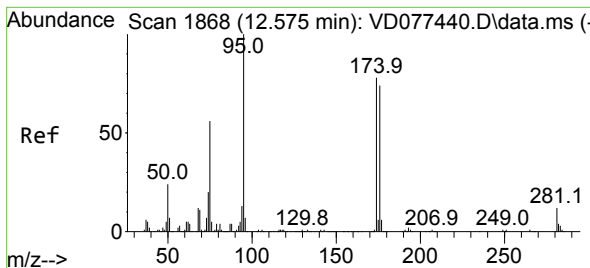
Tgt Ion:117 Resp: 29463
Ion Ratio Lower Upper
117 100
119 2.5 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.516 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077478.D
Acq: 01 Nov 2023 14:05

Tgt Ion: 98 Resp: 750221
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5

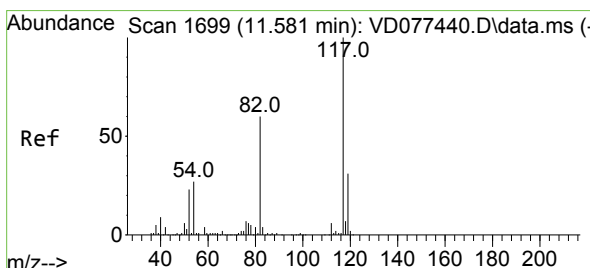
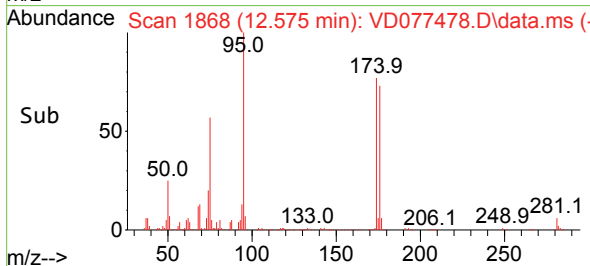
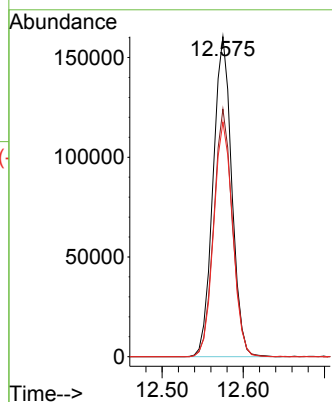
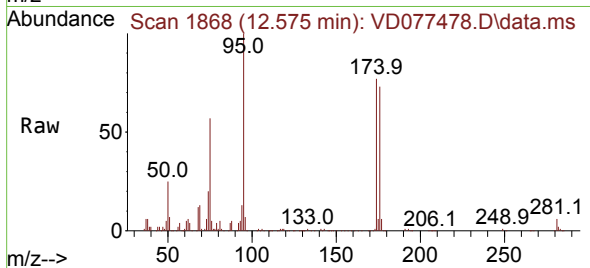




#62
4-Bromofluorobenzene
Concen: 50.281 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077478.D
Acq: 01 Nov 2023 14:05

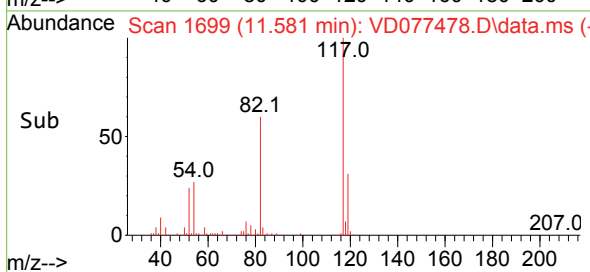
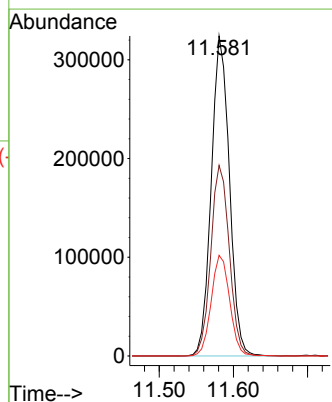
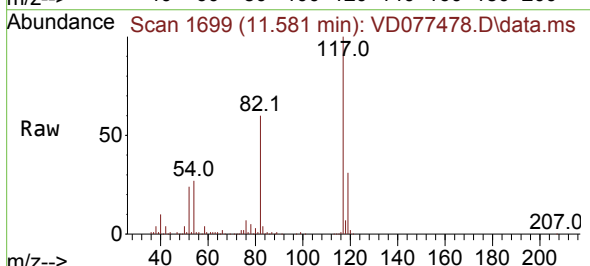
Instrument :
MSVOA_D
ClientSampleId :

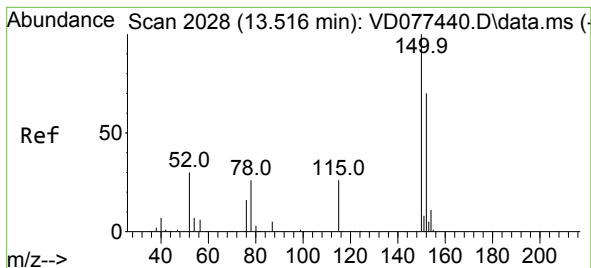
Tgt Ion: 95 Resp: 256579
Ion Ratio Lower Upper
95 100
174 77.2 0.0 201.8
176 74.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077478.D
Acq: 01 Nov 2023 14:05

Tgt Ion: 117 Resp: 551115
Ion Ratio Lower Upper
117 100
82 59.5 38.3 57.5#
119 31.5 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: VD077478.D

Acq: 01 Nov 2023 14:05

Instrument :

MSVOA_D

ClientSampleId :

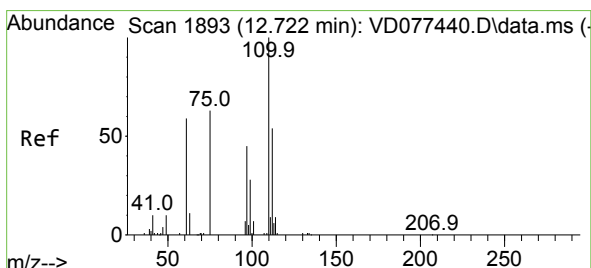
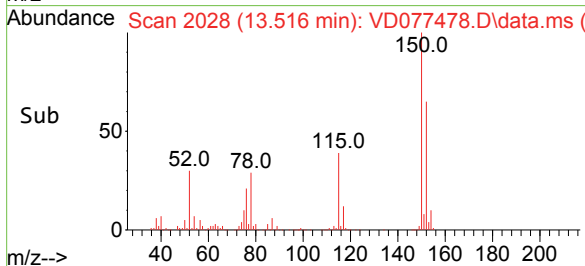
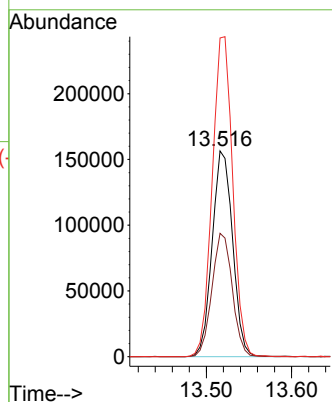
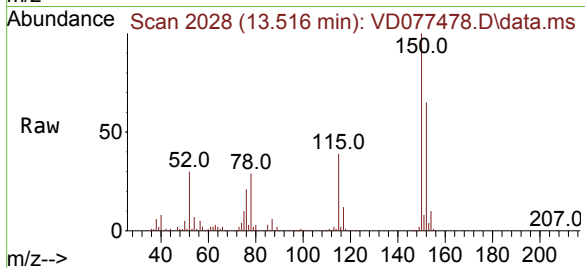
Tgt Ion:152 Resp: 260621

Ion Ratio Lower Upper

152 100

115 59.6 27.1 81.3

150 155.7 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 46.292 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077478.D

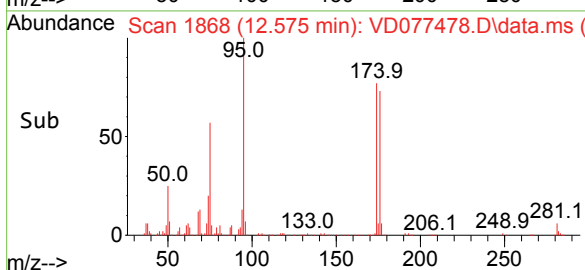
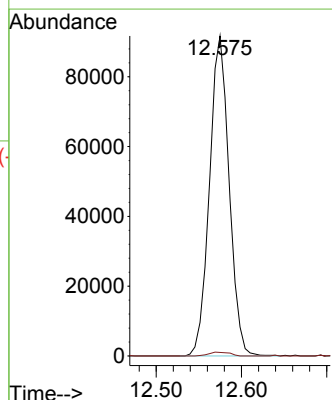
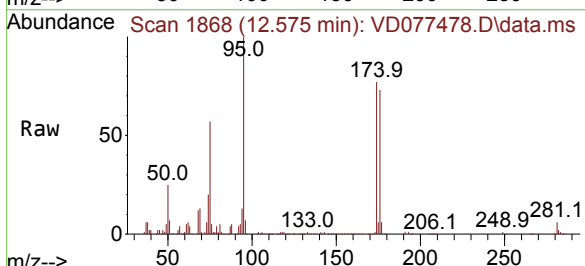
Acq: 01 Nov 2023 14:05

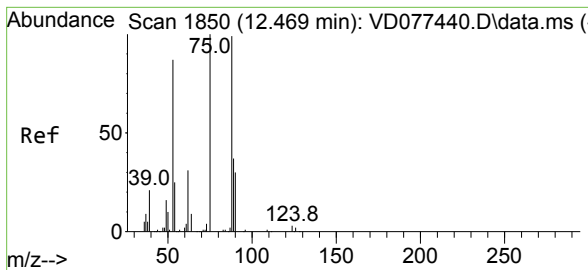
Tgt Ion: 75 Resp: 146838

Ion Ratio Lower Upper

75 100

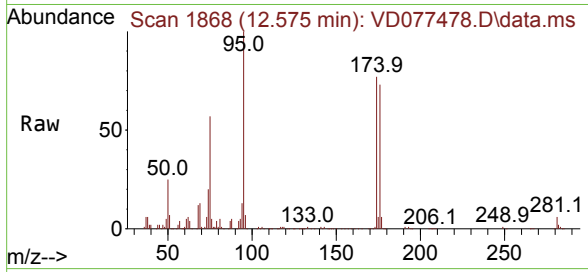
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.419 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077478.D
 Acq: 01 Nov 2023 14:05

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 146838
 Ion Ratio Lower Upper
 75 100
 53 0.1 63.0 94.4#
 89 0.0 37.9 56.9#

