

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110123\
 Data File : VD077476.D
 Acq On : 01 Nov 2023 13:11
 Operator : JC/SY
 Sample : 05141-01RE
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 02 00:54:37 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)

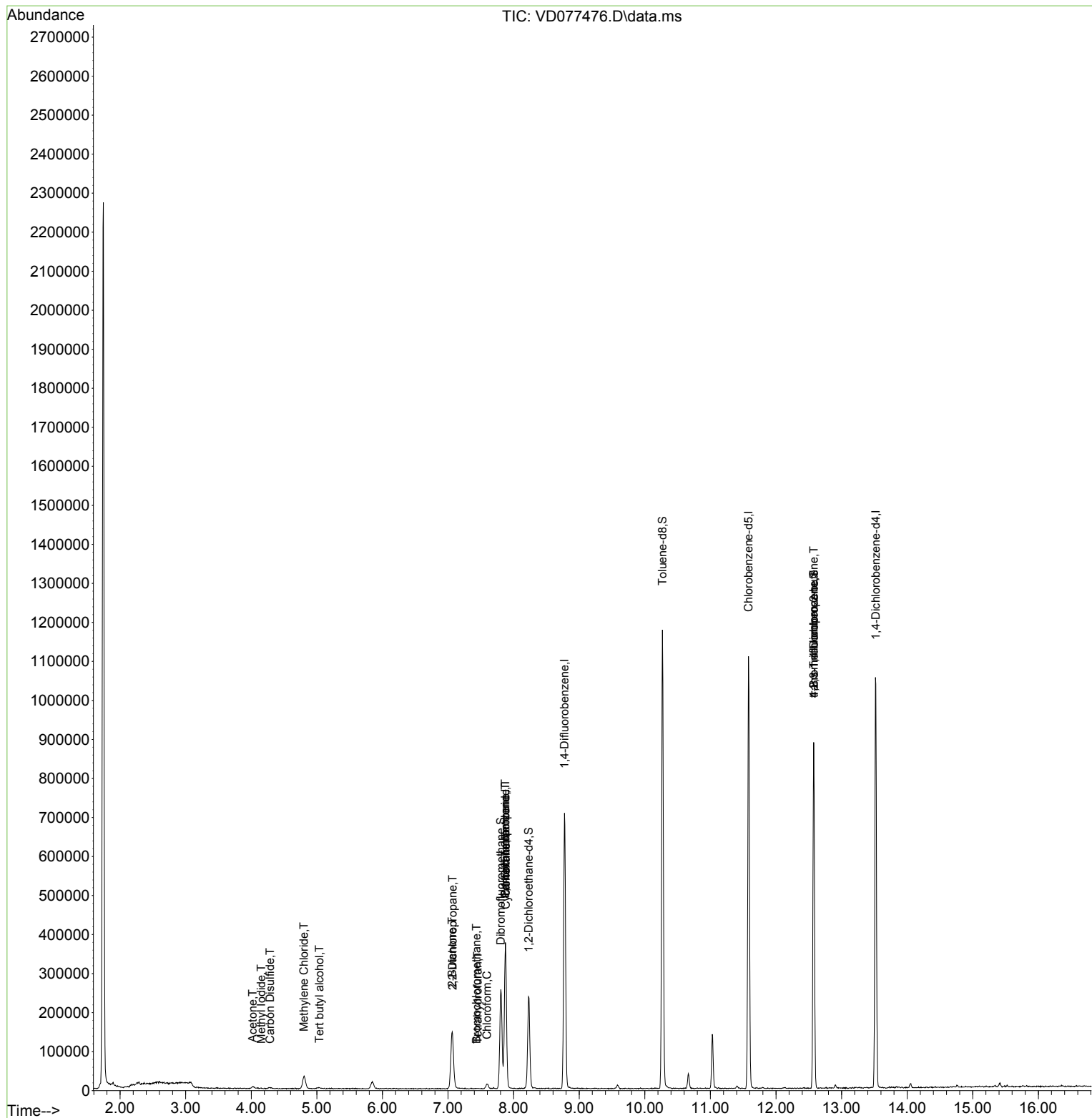
Internal Standards						
1) Pentafluorobenzene	7.875	168	270923	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	577536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	573880	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	261379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	186012	48.555	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.100%		
35) Dibromofluoromethane	7.805	113	183022	45.851	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.700%		
50) Toluene-d8	10.269	98	779236	50.258	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.520%		
62) 4-Bromofluorobenzene	12.575	95	268140	51.347	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.700%		
Target Compounds						Qvalue
10) Methyl Iodide	4.152	142	447	3.264	ug/l	# 78
11) Tert butyl alcohol	5.040	59	3168	10.439	ug/l	# 84
16) Acetone	4.022	43	8040	7.931	ug/l	# 86
17) Carbon Disulfide	4.287	76	3148	4.105	ug/l	# 30
20) Methylene Chloride	4.805	84	22703	3.719	ug/l	# 61
25) 2-Butanone	7.063	43	10074	7.450	ug/l	# 57
26) 2,2-Dichloropropane	7.069	77	10288	1.612	ug/l	# 49
28) Bromochloromethane	7.434	49	164	2.154	ug/l	# 1
29) Tetrahydrofuran	7.452	42	823	1.026	ug/l	# 23
30) Chloroform	7.593	83	12075	1.796	ug/l	92
31) Cyclohexane	7.881	56	8082	1.350	ug/l	# 61
36) 1,1-Dichloropropene	7.875	75	24821	4.194	ug/l	# 47
38) Carbon Tetrachloride	7.875	117	27815	4.987	ug/l	# 15
76) 1,2,3-Trichloropropane	12.575	75	151455	47.609	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	151455	91.963	ug/l	# 17

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

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Quant Title : SW846 8260
QLast Update : Tue Oct 31 04:19:17 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077476.D

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Instrument :

MSVOA_D

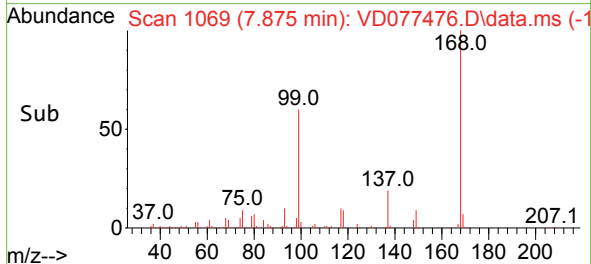
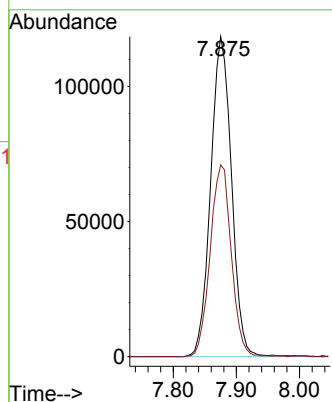
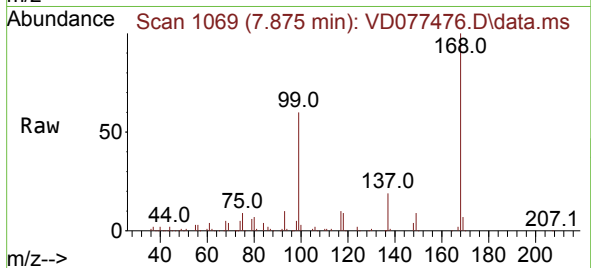
ClientSampleId :

Tgt Ion:168 Resp: 270923

Ion Ratio Lower Upper

168 100

99 60.0 36.7 55.1#



#10

Methyl Iodide

Concen: 3.264 ug/l

RT: 4.152 min Scan# 436

Delta R.T. -0.017 min

Lab File: VD077476.D

Acq: 01 Nov 2023 13:11

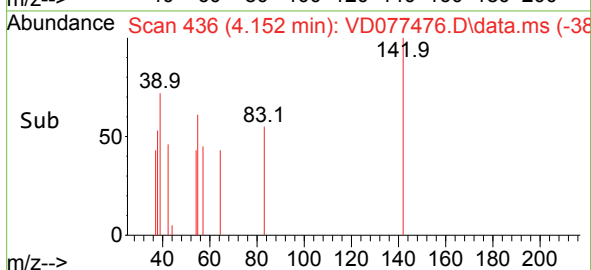
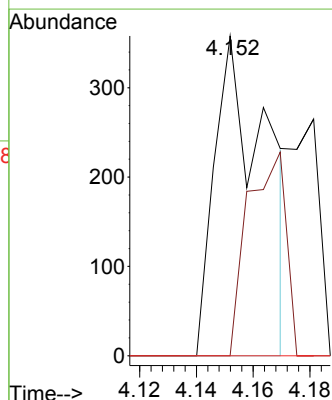
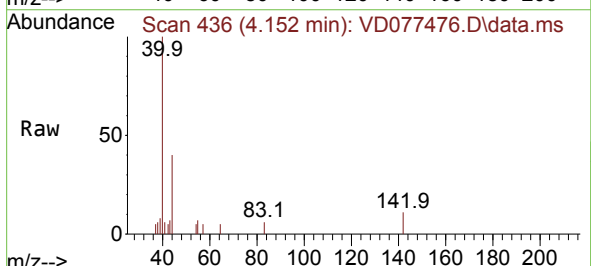
Tgt Ion:142 Resp: 447

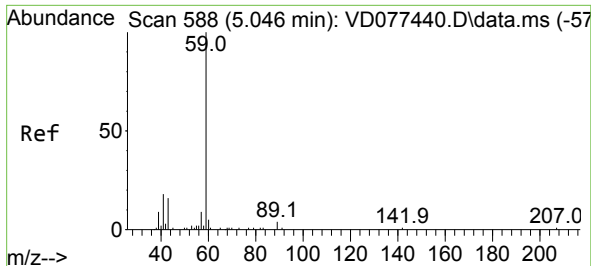
Ion Ratio Lower Upper

142 100

127 47.2 29.4 44.0#

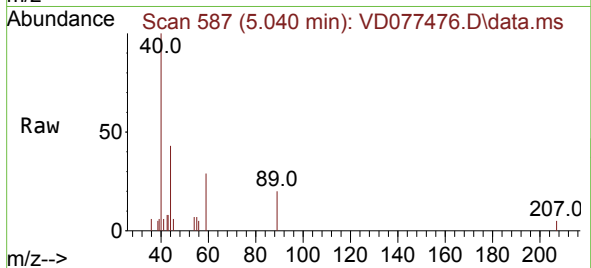
141 0.0 11.1 16.7#



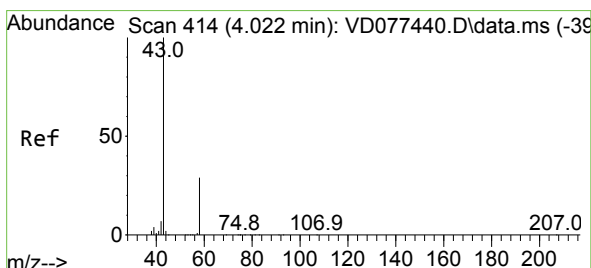
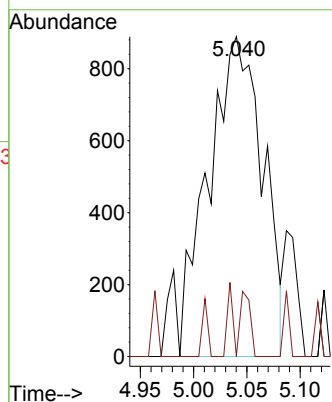
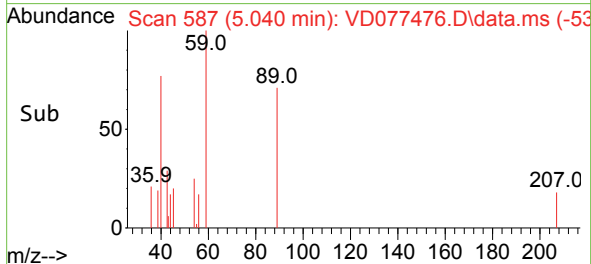


#11
Tert butyl alcohol
Concen: 10.439 ug/l
RT: 5.040 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD077476.D
Acq: 01 Nov 2023 13:11

Instrument :
MSVOA_D
ClientSampleId :

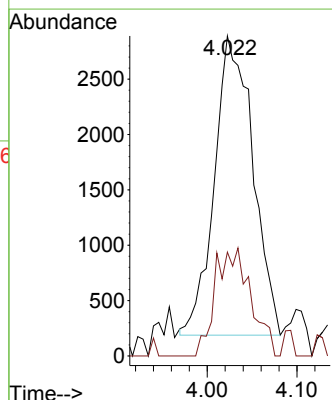
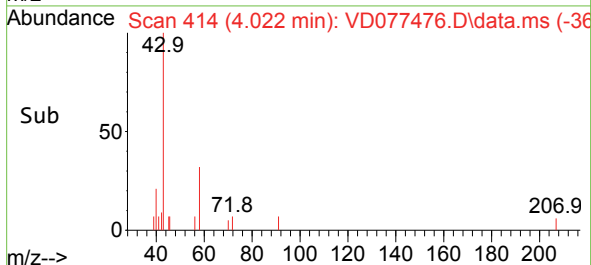
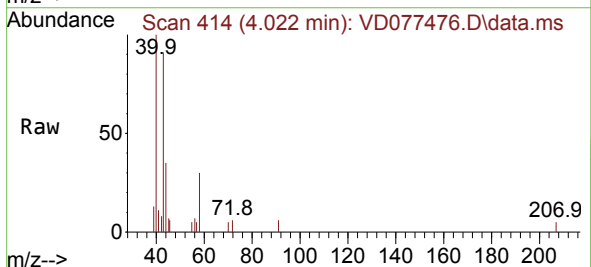


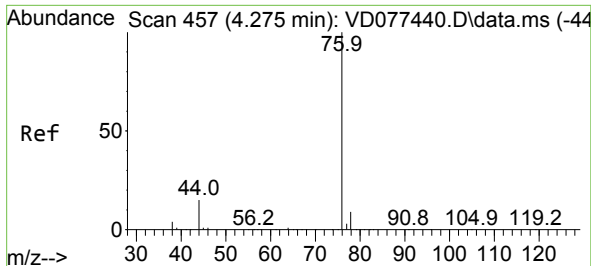
Tgt Ion: 59 Resp: 3168
Ion Ratio Lower Upper
59 100
57 3.8 7.8 11.8#



#16
Acetone
Concen: 7.931 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077476.D
Acq: 01 Nov 2023 13:11

Tgt Ion: 43 Resp: 8040
Ion Ratio Lower Upper
43 100
58 34.7 34.7 52.1#

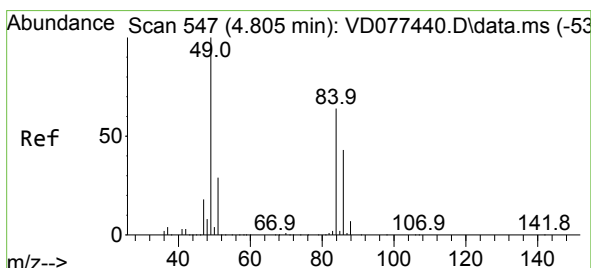
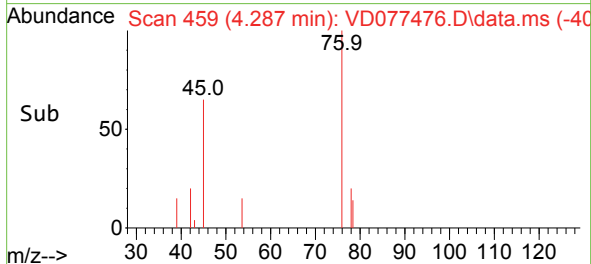
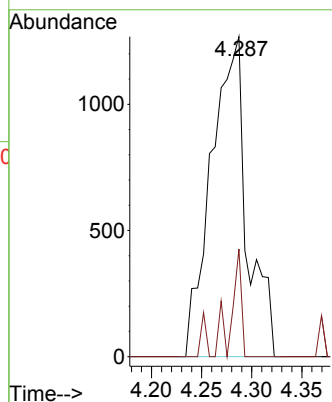
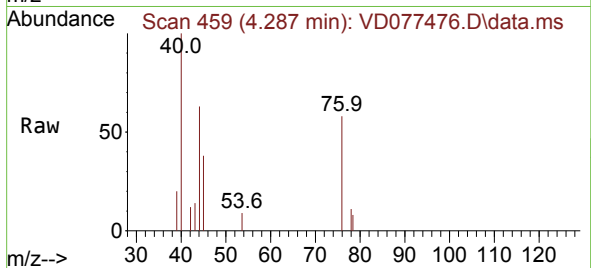




#17
Carbon Disulfide
Concen: 4.105 ug/l
RT: 4.287 min Scan# 459
Delta R.T. 0.012 min
Lab File: VD077476.D
Acq: 01 Nov 2023 13:11

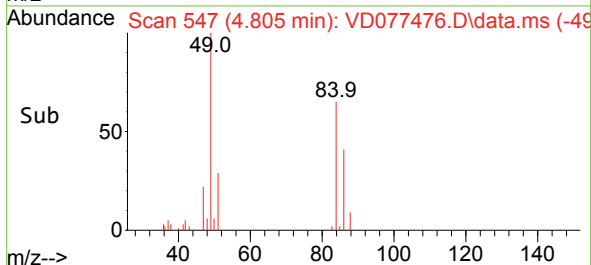
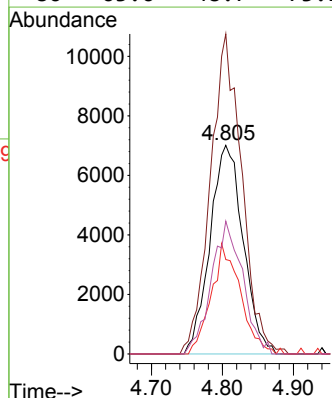
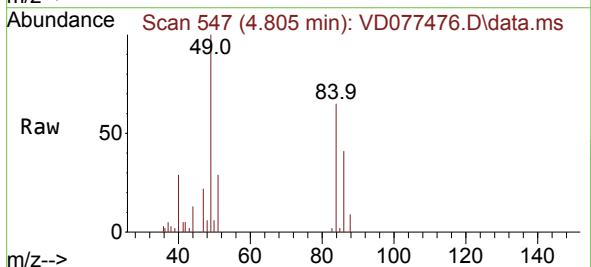
Instrument :
MSVOA_D
ClientSampleId :

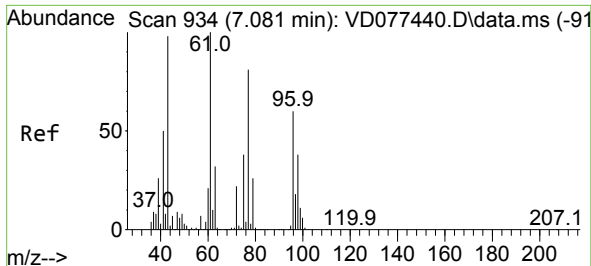
Tgt Ion: 76 Resp: 3148
Ion Ratio Lower Upper
76 100
78 33.7 6.8 10.2#



#20
Methylene Chloride
Concen: 3.719 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077476.D
Acq: 01 Nov 2023 13:11

Tgt Ion: 84 Resp: 22703
Ion Ratio Lower Upper
84 100
49 153.4 71.4 107.2#
51 45.2 24.5 36.7#
86 63.6 48.7 73.1





#25

2-Butanone

Concen: 7.450 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.017 min

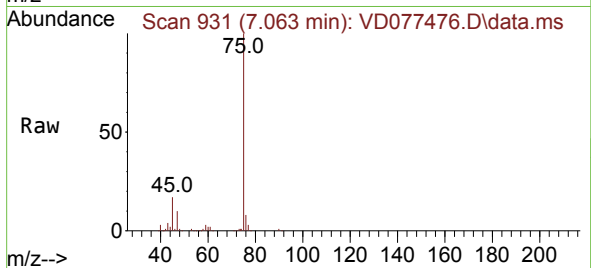
Lab File: VD077476.D

Acq: 01 Nov 2023 13:11

Instrument :

MSVOA_D

ClientSampleId :

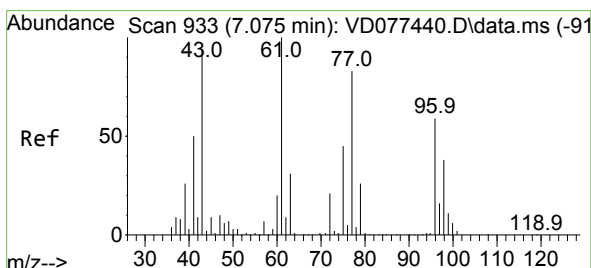
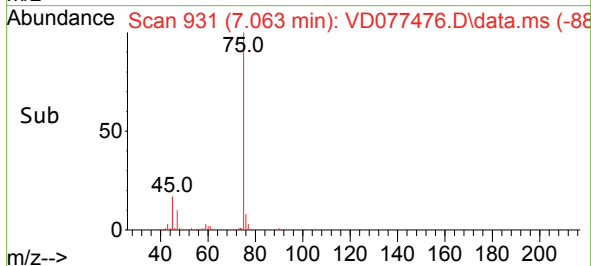
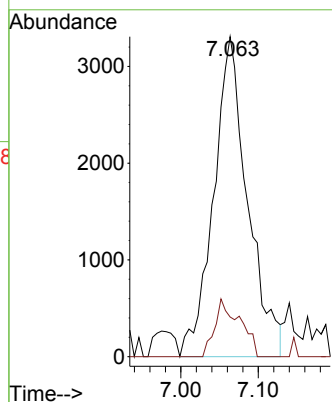


Tgt Ion: 43 Resp: 10074

Ion Ratio Lower Upper

43 100

72 12.4 30.7 46.1#



#26

2,2-Dichloropropane

Concen: 1.612 ug/l

RT: 7.069 min Scan# 932

Delta R.T. -0.006 min

Lab File: VD077476.D

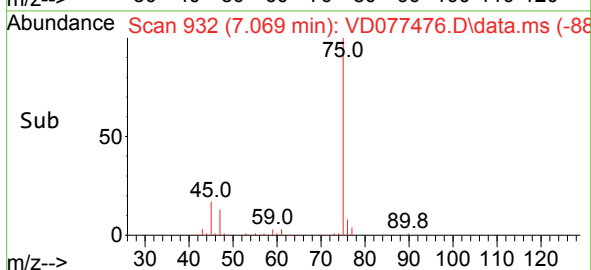
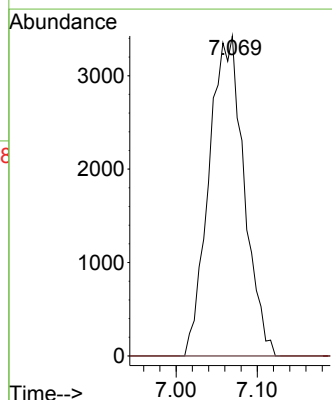
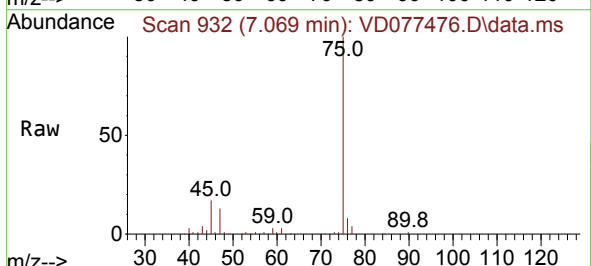
Acq: 01 Nov 2023 13:11

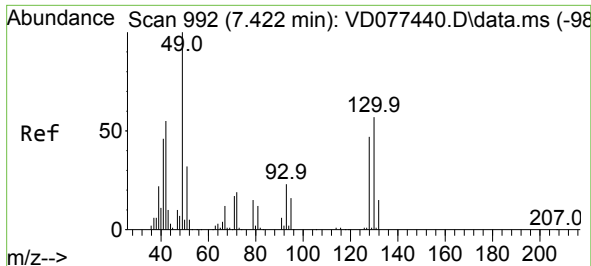
Tgt Ion: 77 Resp: 10288

Ion Ratio Lower Upper

77 100

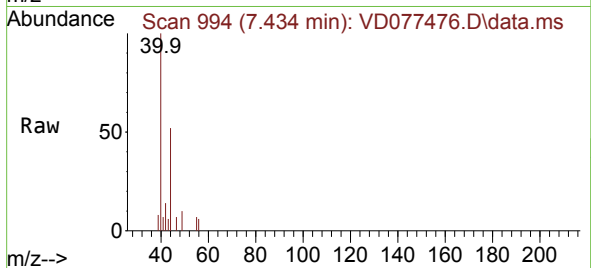
97 0.0 13.2 39.6#



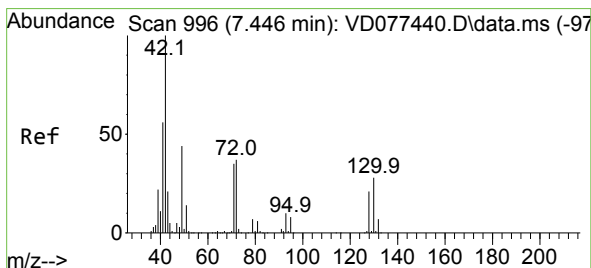
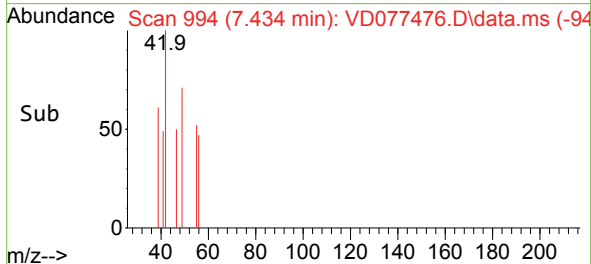
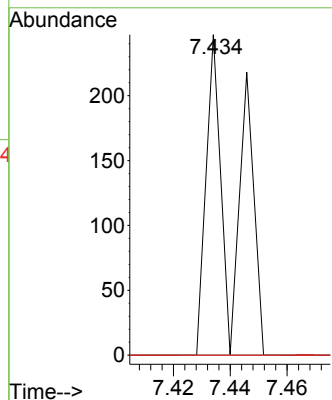


#28
Bromochloromethane
Concen: 2.154 ug/l
RT: 7.434 min Scan# 994
Delta R.T. 0.012 min
Lab File: VD077476.D
Acq: 01 Nov 2023 13:11

Instrument :
MSVOA_D
ClientSampleId :

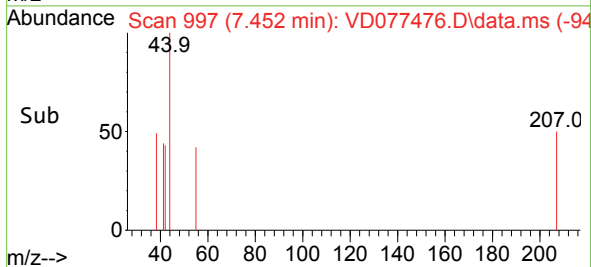
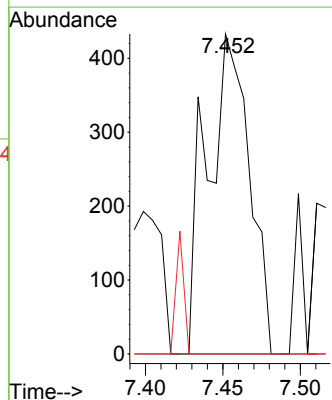
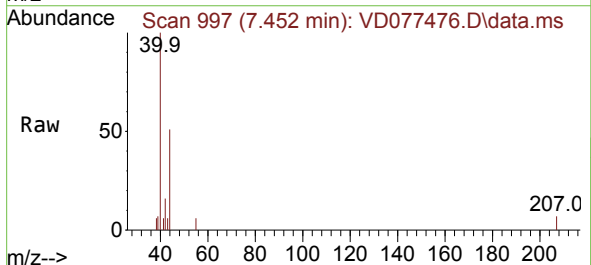


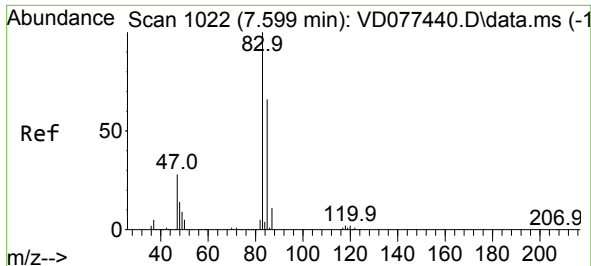
Tgt Ion: 49 Resp: 164
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#29
Tetrahydrofuran
Concen: 1.026 ug/l
RT: 7.452 min Scan# 997
Delta R.T. 0.006 min
Lab File: VD077476.D
Acq: 01 Nov 2023 13:11

Tgt Ion: 42 Resp: 823
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#





#30

Chloroform

Concen: 1.796 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD077476.D

Acq: 01 Nov 2023 13:11

Instrument :

MSVOA_D

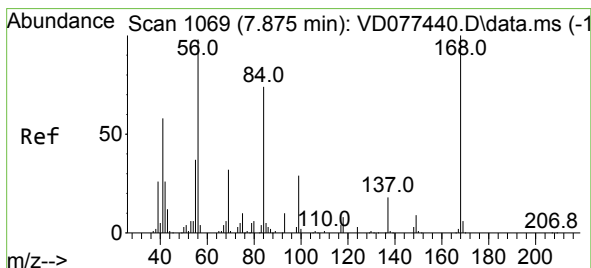
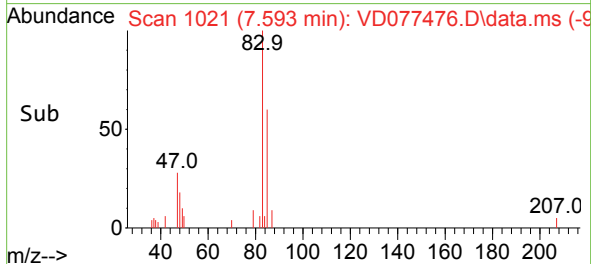
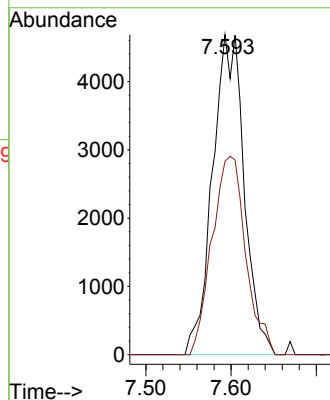
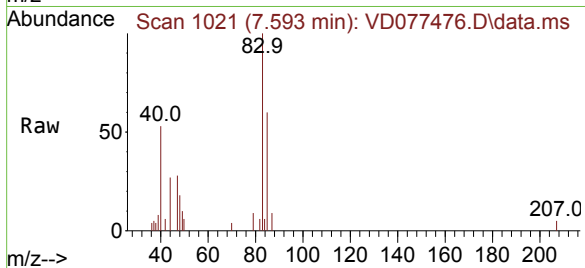
ClientSampleId :

Tgt Ion: 83 Resp: 12075

Ion Ratio Lower Upper

83 100

85 60.4 53.4 80.2



#31

Cyclohexane

Concen: 1.350 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD077476.D

Acq: 01 Nov 2023 13:11

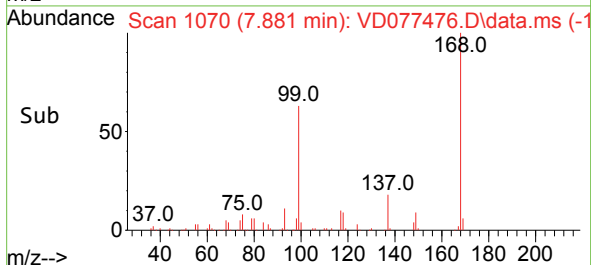
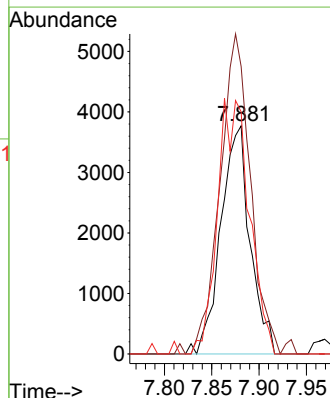
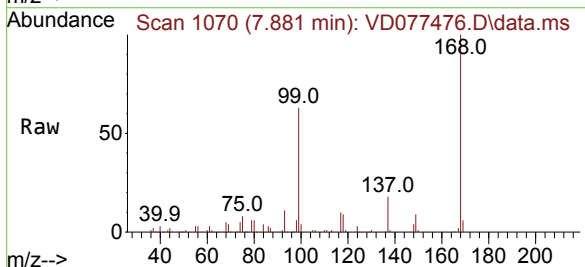
Tgt Ion: 56 Resp: 8082

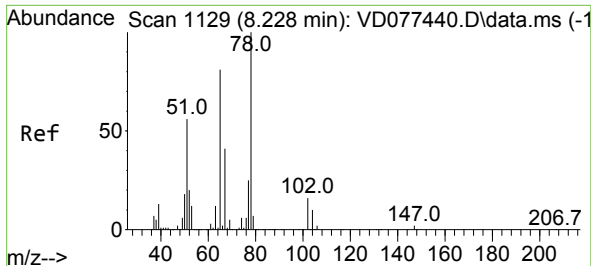
Ion Ratio Lower Upper

56 100

69 125.9 28.6 43.0#

84 106.1 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 48.555 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077476.D

Acq: 01 Nov 2023 13:11

Instrument :

MSVOA_D

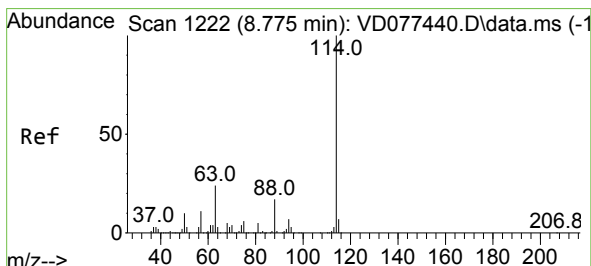
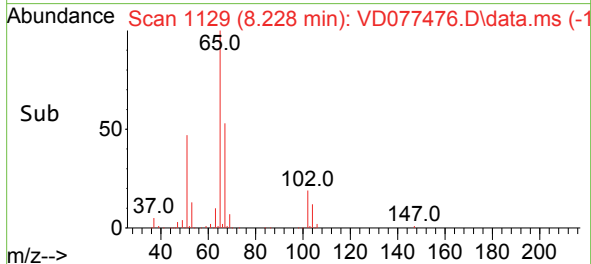
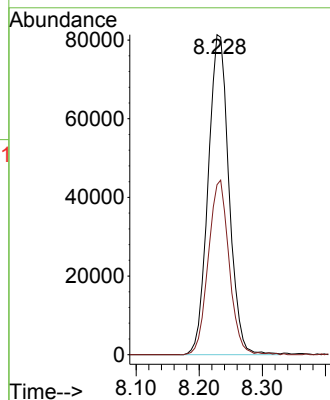
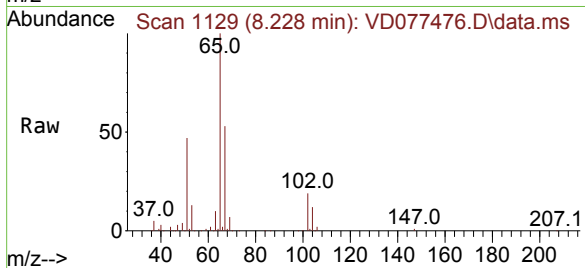
ClientSampleId :

Tgt Ion: 65 Resp: 186012

Ion Ratio Lower Upper

65 100

67 54.5 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: VD077476.D

Acq: 01 Nov 2023 13:11

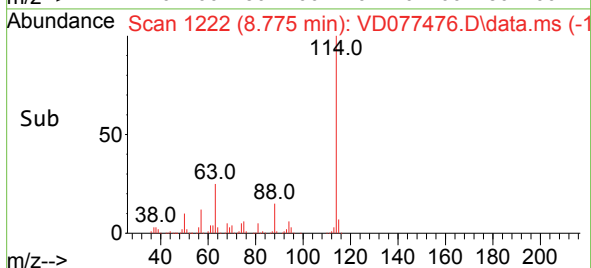
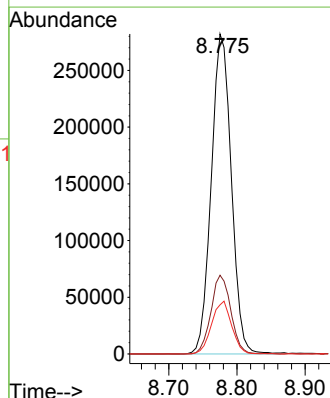
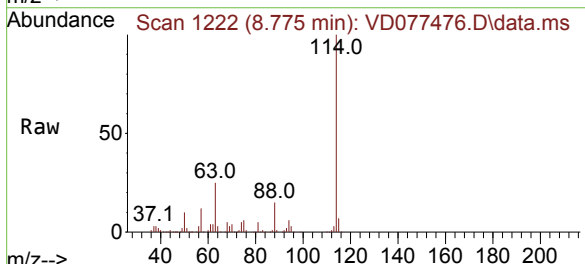
Tgt Ion: 114 Resp: 577536

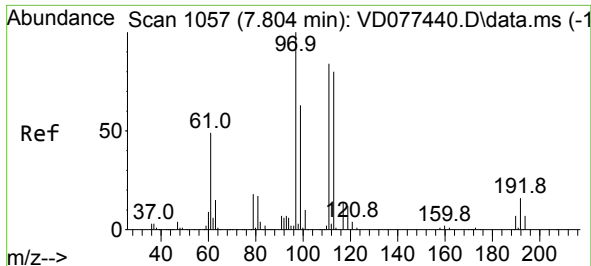
Ion Ratio Lower Upper

114 100

63 24.6 0.0 33.4

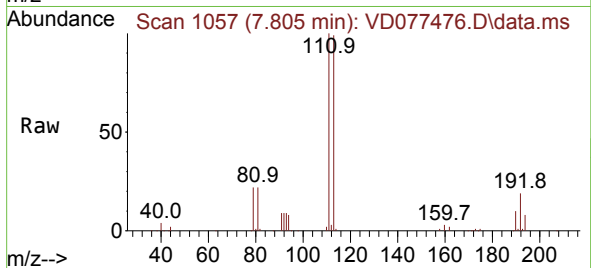
88 15.3 0.0 26.2



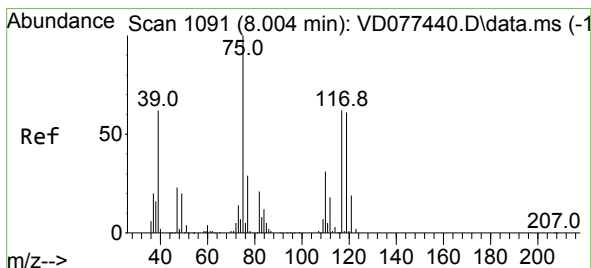
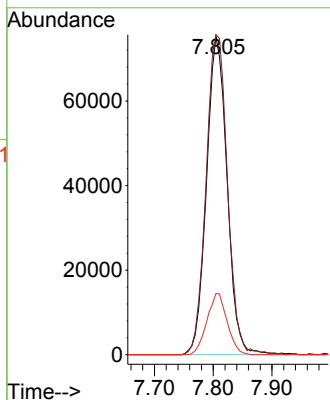
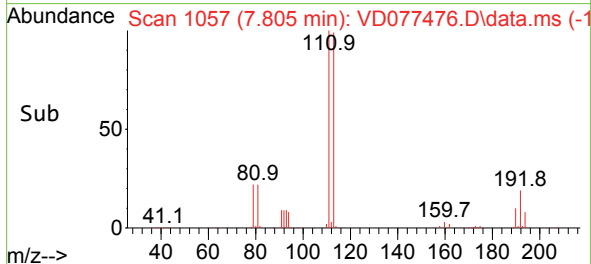


#35
Dibromofluoromethane
Concen: 45.851 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077476.D
Acq: 01 Nov 2023 13:11

Instrument :
MSVOA_D
ClientSampleId :

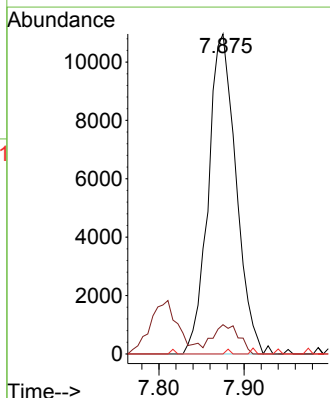
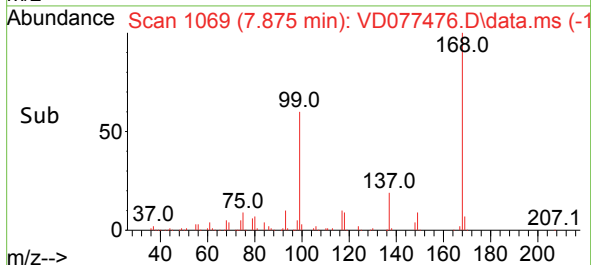
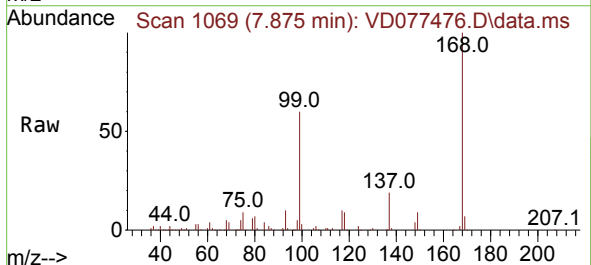


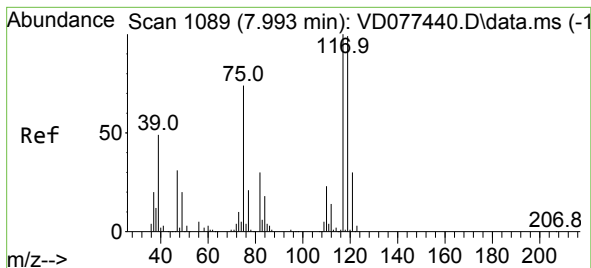
Tgt Ion:113 Resp: 183022
Ion Ratio Lower Upper
113 100
111 104.7 84.7 127.1
192 18.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.194 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077476.D
Acq: 01 Nov 2023 13:11

Tgt Ion: 75 Resp: 24821
Ion Ratio Lower Upper
75 100
110 8.6 19.9 59.6#
77 0.2 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.987 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

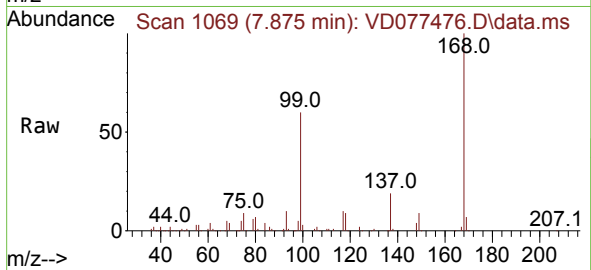
Lab File: VD077476.D

Acq: 01 Nov 2023 13:11

Instrument :

MSVOA_D

ClientSampleId :



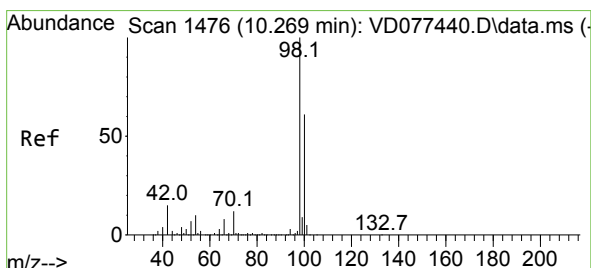
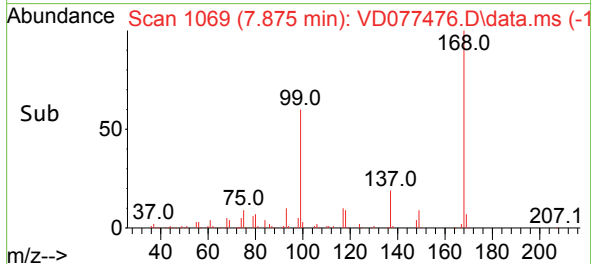
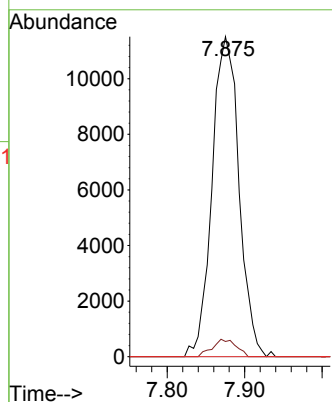
Tgt Ion:117 Resp: 27815

Ion Ratio Lower Upper

117 100

119 4.7 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 50.258 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077476.D

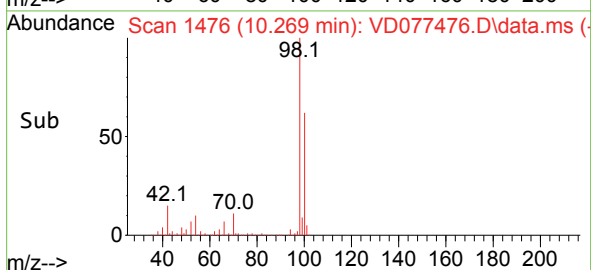
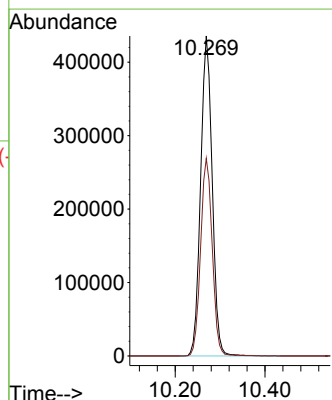
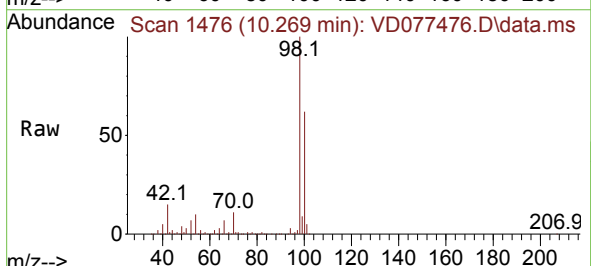
Acq: 01 Nov 2023 13:11

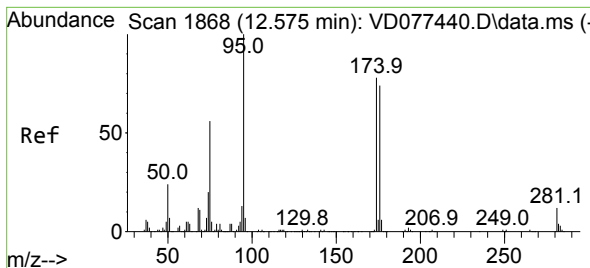
Tgt Ion: 98 Resp: 779236

Ion Ratio Lower Upper

98 100

100 62.2 50.3 75.5

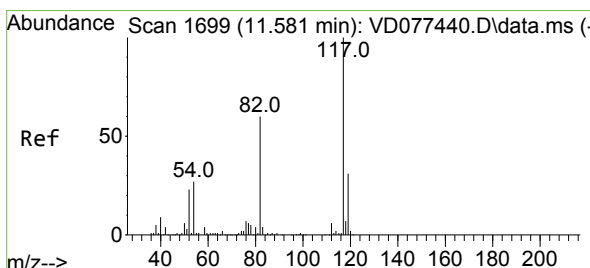
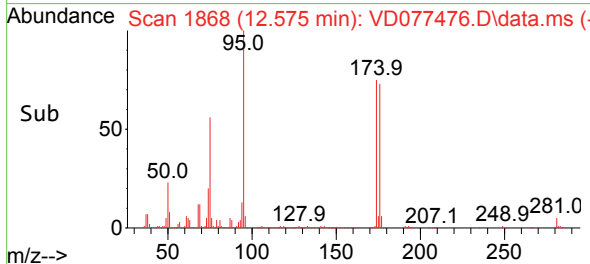
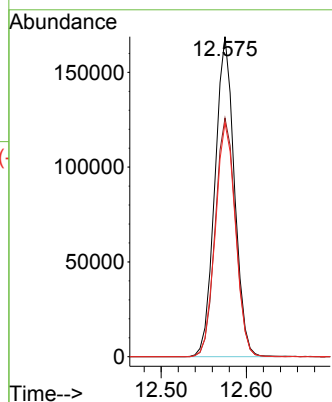
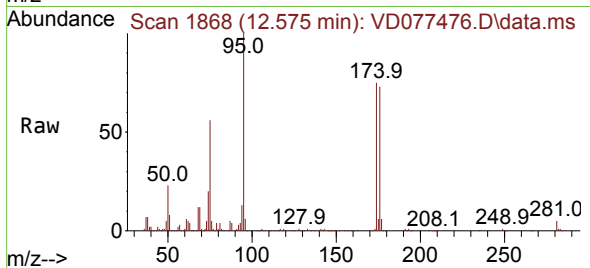




#62
4-Bromofluorobenzene
Concen: 51.347 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077476.D
Acq: 01 Nov 2023 13:11

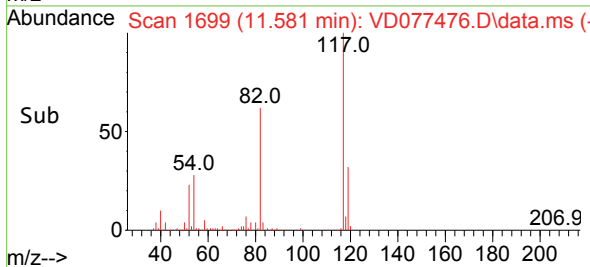
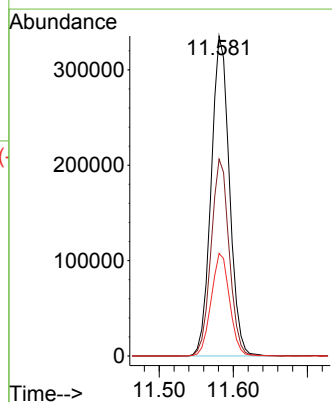
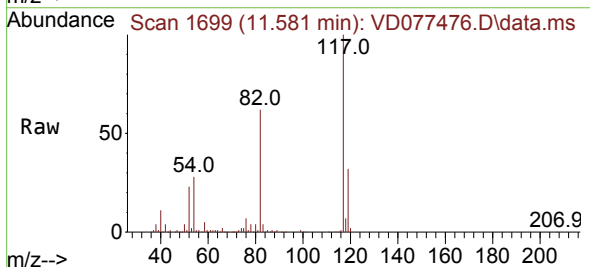
Instrument :
MSVOA_D
ClientSampleId :

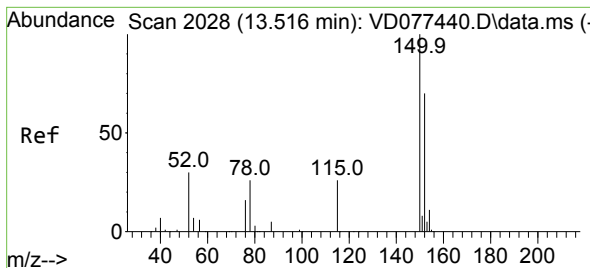
Tgt Ion: 95 Resp: 268140
Ion Ratio Lower Upper
95 100
174 77.2 0.0 201.8
176 75.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077476.D
Acq: 01 Nov 2023 13:11

Tgt Ion: 117 Resp: 573880
Ion Ratio Lower Upper
117 100
82 61.5 38.3 57.5#
119 32.1 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2028

Delta R.T. 0.006 min

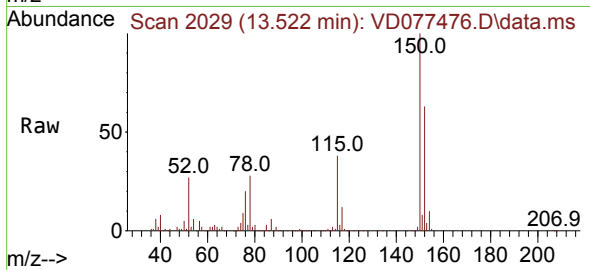
Lab File: VD077476.D

Acq: 01 Nov 2023 13:11

Instrument :

MSVOA_D

ClientSampleId :



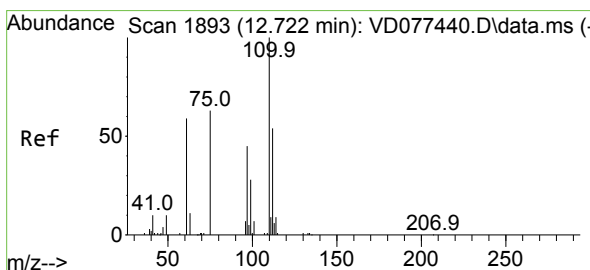
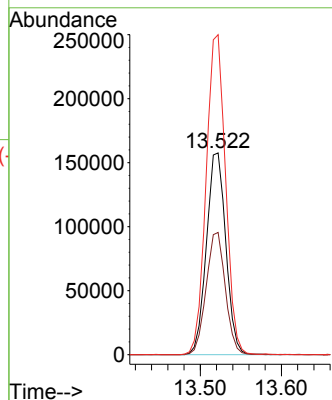
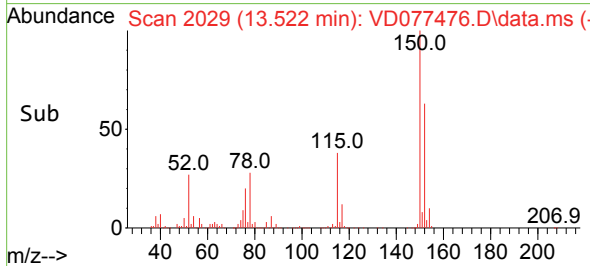
Tgt Ion:152 Resp: 261379

Ion Ratio Lower Upper

152 100

115 60.1 27.1 81.3

150 158.8 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 47.609 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077476.D

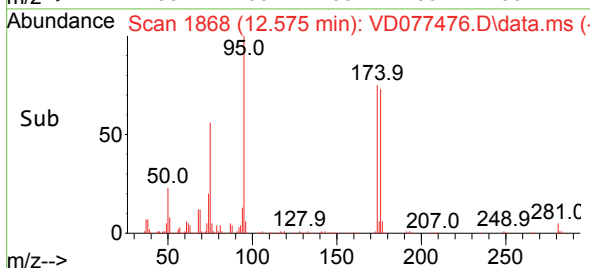
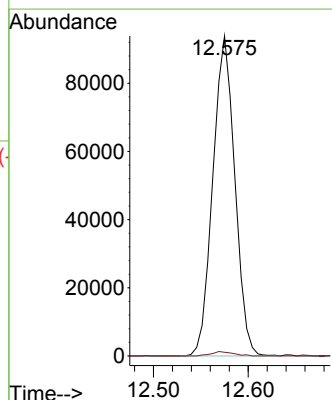
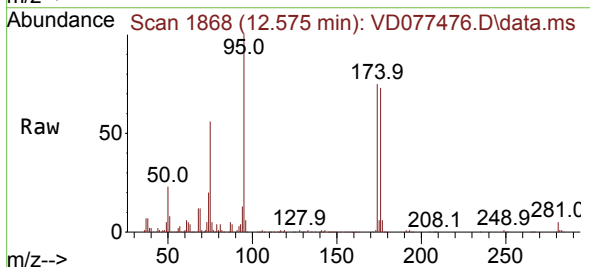
Acq: 01 Nov 2023 13:11

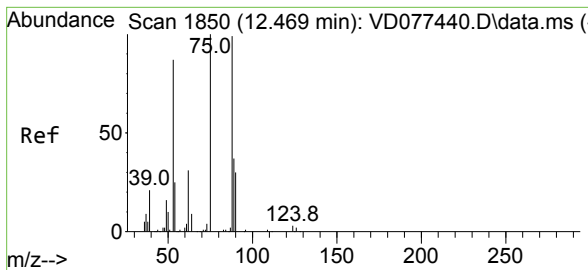
Tgt Ion: 75 Resp: 151455

Ion Ratio Lower Upper

75 100

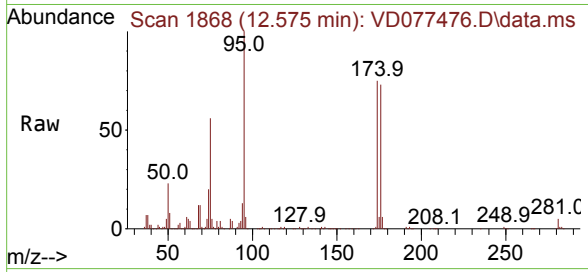
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.963 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077476.D
 Acq: 01 Nov 2023 13:11

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 151455
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

