

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110623\
 Data File : VD077509.D
 Acq On : 06 Nov 2023 15:10
 Operator : JC/SY
 Sample : 05256-07
 Misc : 4.74G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 07 02:10:03 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)

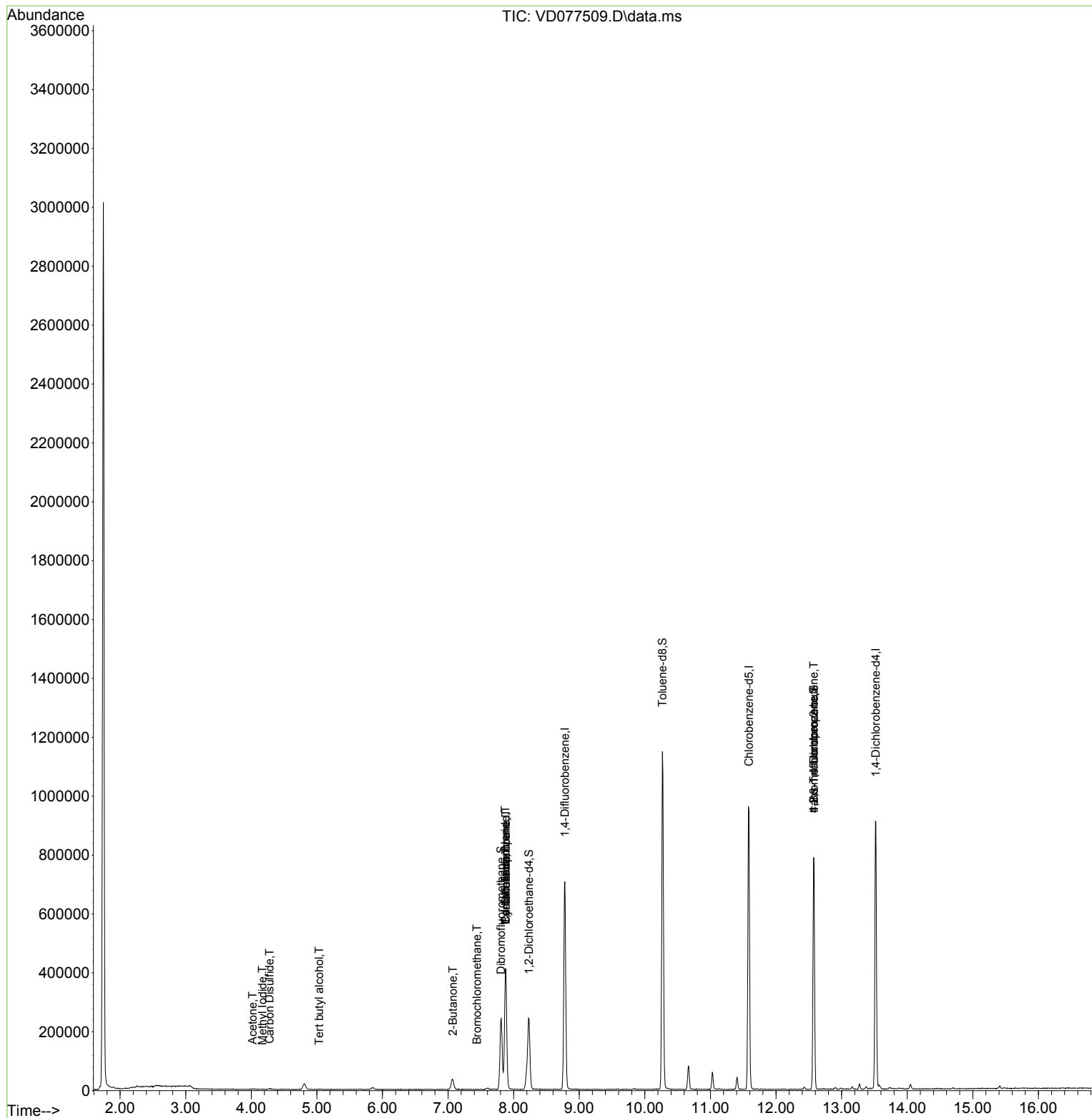
Internal Standards						
1) Pentafluorobenzene	7.881	168	308857	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	583186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	523756	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.521	152	234672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.233	65	175303	40.139	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.280%		
35) Dibromofluoromethane	7.810	113	174651	43.330	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.660%		
50) Toluene-d8	10.269	98	765001	48.862	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.720%		
62) 4-Bromofluorobenzene	12.574	95	230256	43.665	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.340%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.169	142	73	3.165	ug/l #	37
11) Tert butyl alcohol	5.034	59	680	1.966	ug/l #	73
16) Acetone	4.022	43	2952	2.554	ug/l #	71
17) Carbon Disulfide	4.281	76	3214	4.069	ug/l #	83
25) 2-Butanone	7.075	43	2675	1.735	ug/l #	37
28) Bromochloromethane	7.439	49	54	2.120	ug/l #	1
31) Cyclohexane	7.881	56	8011	1.173	ug/l #	28
36) 1,1-Dichloropropene	7.881	75	27596	4.618	ug/l #	48
38) Carbon Tetrachloride	7.875	117	31248	5.549	ug/l #	15
76) 1,2,3-Trichloropropane	12.574	75	129164	45.223	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.574	75	129164	87.353	ug/l #	17

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

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QLast Update : Tue Oct 31 04:19:17 2023
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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: VD077509.D

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Instrument :

MSVOA_D

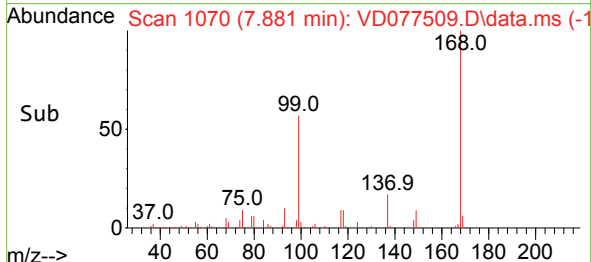
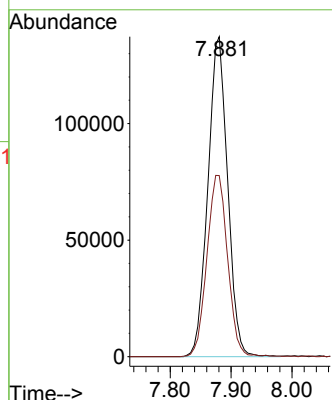
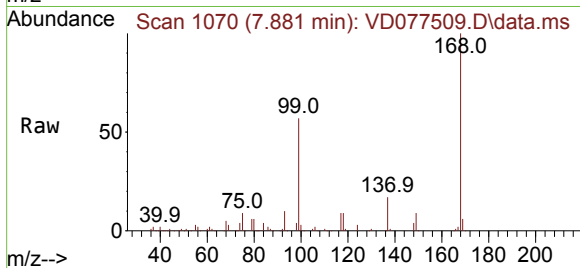
ClientSampleId :

Tgt Ion:168 Resp: 308857

Ion Ratio Lower Upper

168 100

99 56.6 36.7 55.1#



#10

Methyl Iodide

Concen: 3.165 ug/l

RT: 4.169 min Scan# 439

Delta R.T. 0.000 min

Lab File: VD077509.D

Acq: 06 Nov 2023 15:10

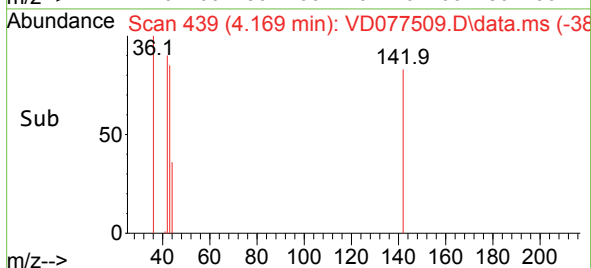
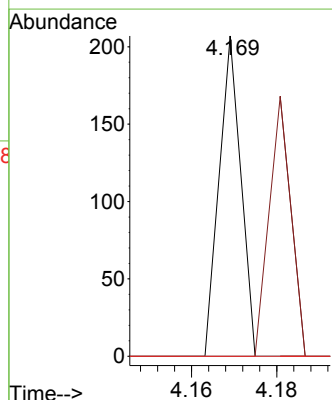
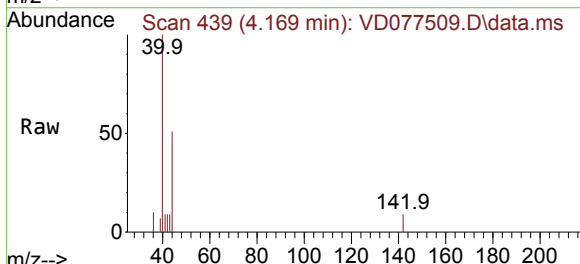
Tgt Ion:142 Resp: 73

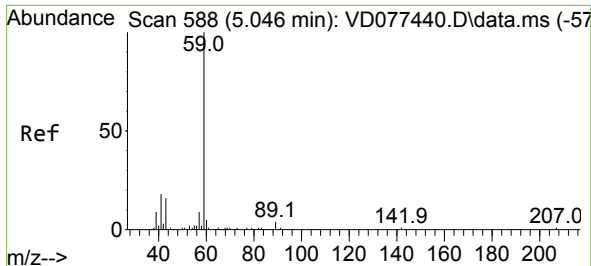
Ion Ratio Lower Upper

142 100

127 80.8 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: 1.966 ug/l

RT: 5.034 min Scan# 51

Delta R.T. -0.012 min

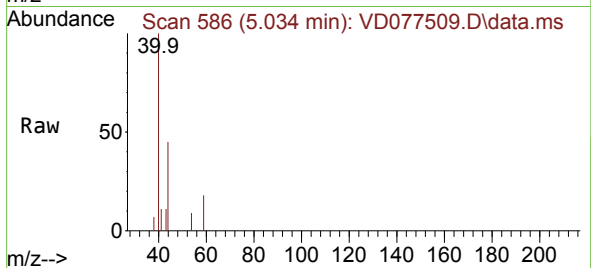
Lab File: VD077509.D

Acq: 06 Nov 2023 15:10

Instrument :

MSVOA_D

ClientSampleId :

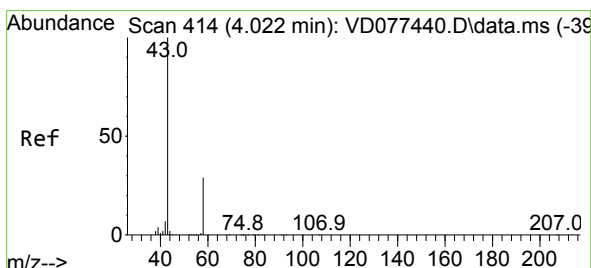
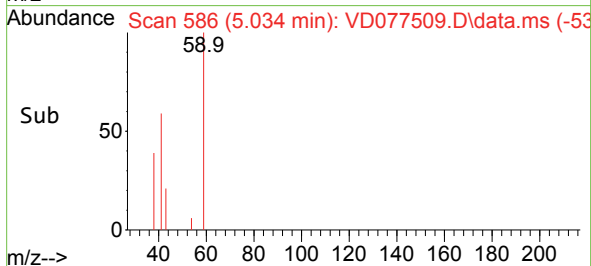
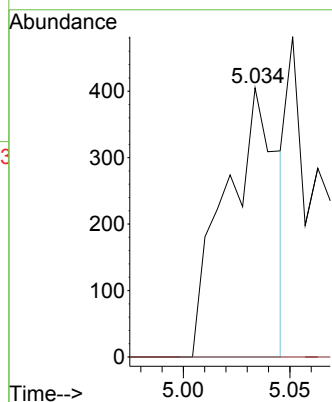


Tgt Ion: 59 Resp: 680

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 2.554 ug/l

RT: 4.022 min Scan# 414

Delta R.T. -0.000 min

Lab File: VD077509.D

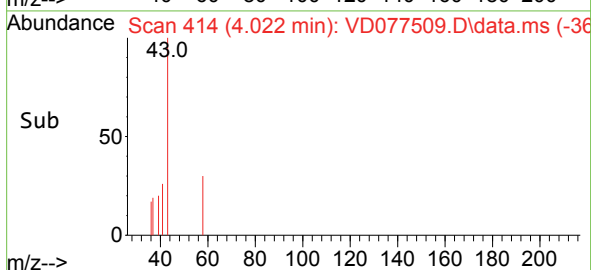
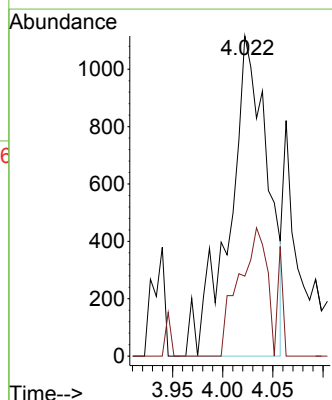
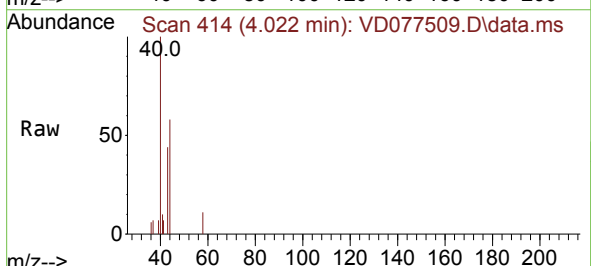
Acq: 06 Nov 2023 15:10

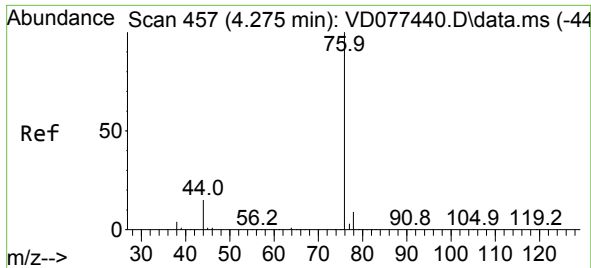
Tgt Ion: 43 Resp: 2952

Ion Ratio Lower Upper

43 100

58 25.0 34.7 52.1#

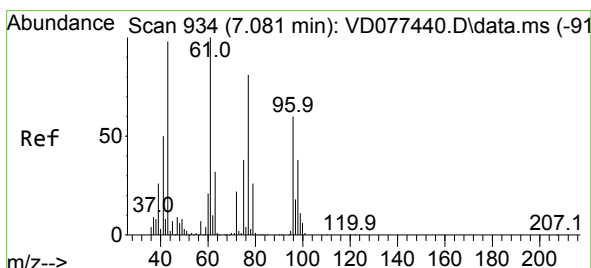
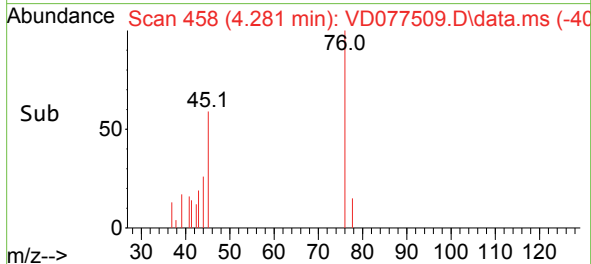
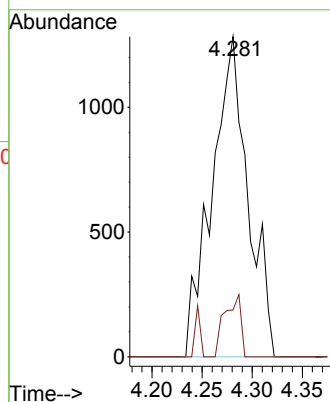
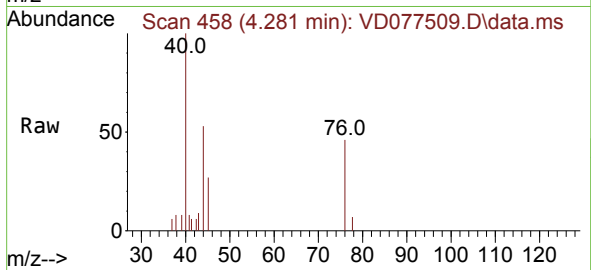




#17
Carbon Disulfide
Concen: 4.069 ug/l
RT: 4.281 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077509.D
Acq: 06 Nov 2023 15:10

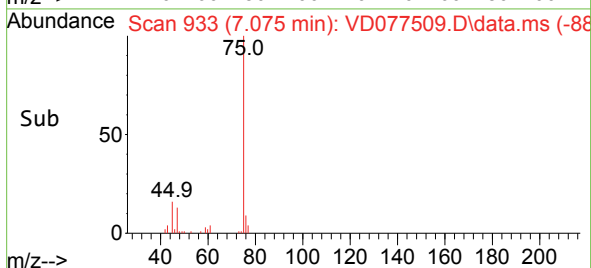
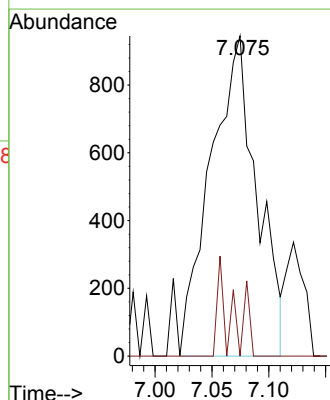
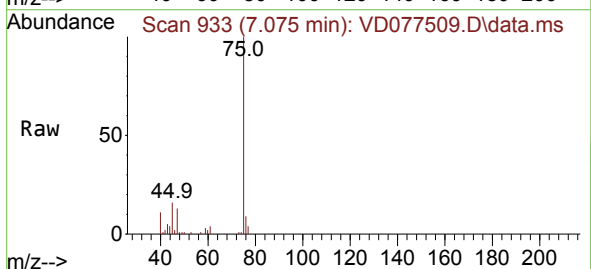
Instrument :
MSVOA_D
ClientSampleId :

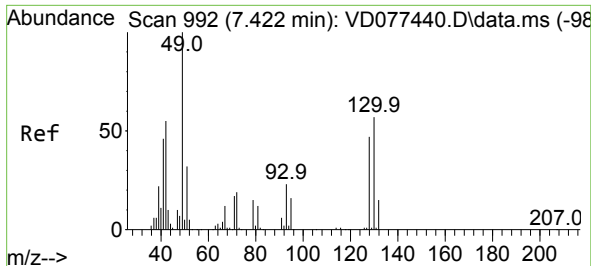
Tgt Ion: 76 Resp: 3214
Ion Ratio Lower Upper
76 100
78 14.7 6.8 10.2#



#25
2-Butanone
Concen: 1.735 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD077509.D
Acq: 06 Nov 2023 15:10

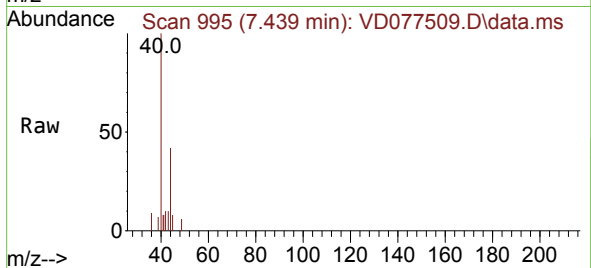
Tgt Ion: 43 Resp: 2675
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



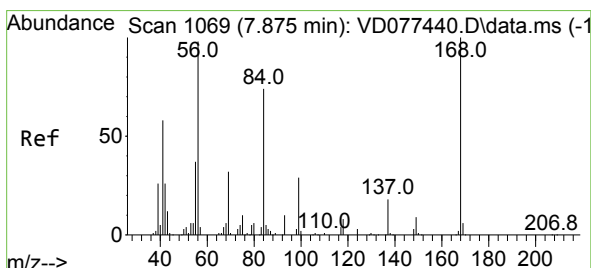
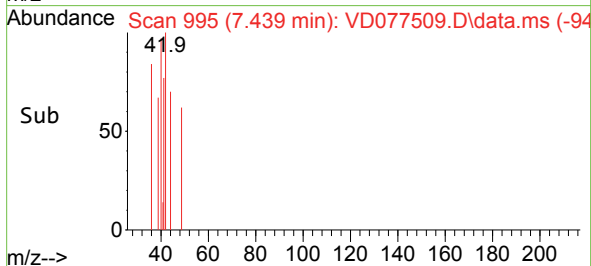
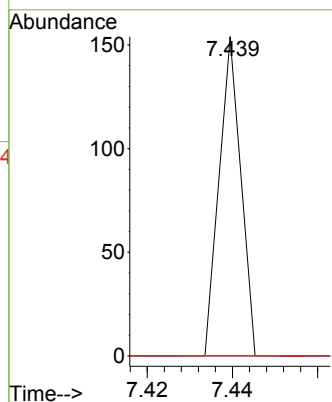


#28
Bromochloromethane
Concen: 2.120 ug/l
RT: 7.439 min Scan# 995
Delta R.T. 0.017 min
Lab File: VD077509.D
Acq: 06 Nov 2023 15:10

Instrument :
MSVOA_D
ClientSampleId :

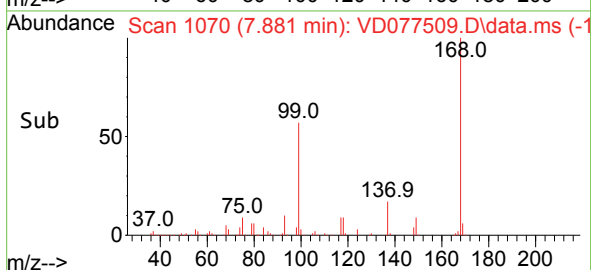
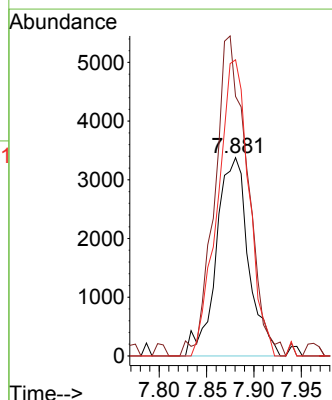
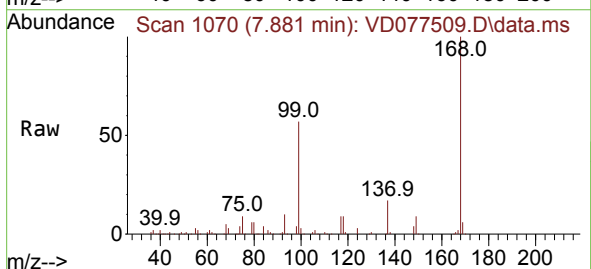


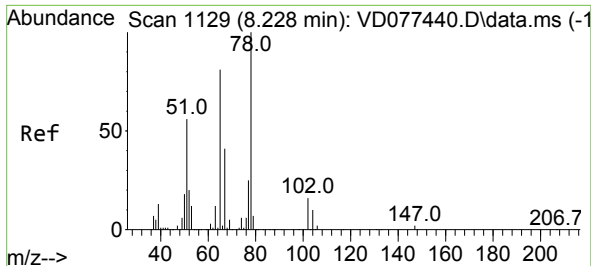
Tgt Ion: 49 Resp: 54
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077509.D
Acq: 06 Nov 2023 15:10

Tgt Ion: 56 Resp: 8011
Ion Ratio Lower Upper
56 100
69 130.8 28.6 43.0#
84 149.4 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 40.139 ug/l

RT: 8.233 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077509.D

Acq: 06 Nov 2023 15:10

Instrument :

MSVOA_D

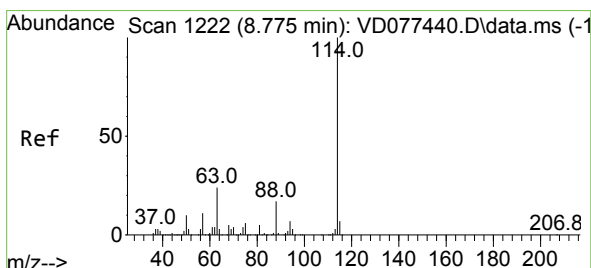
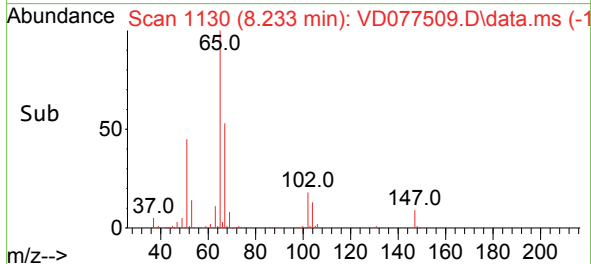
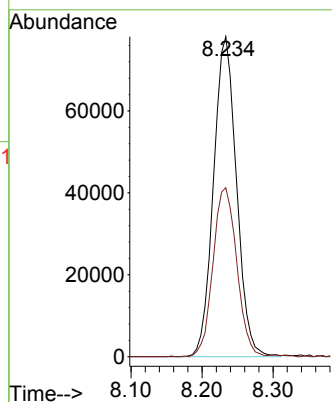
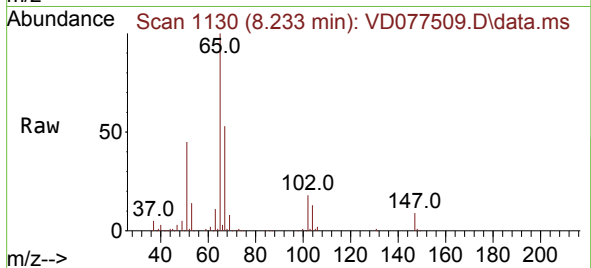
ClientSampleId :

Tgt Ion: 65 Resp: 175303

Ion Ratio Lower Upper

65 100

67 54.7 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077509.D

Acq: 06 Nov 2023 15:10

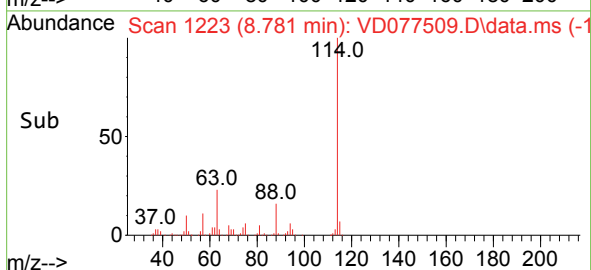
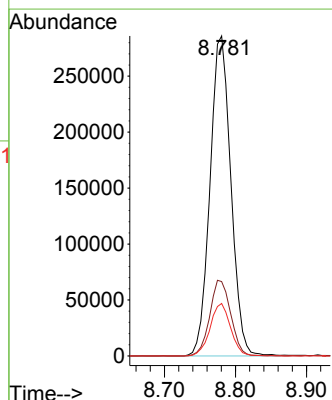
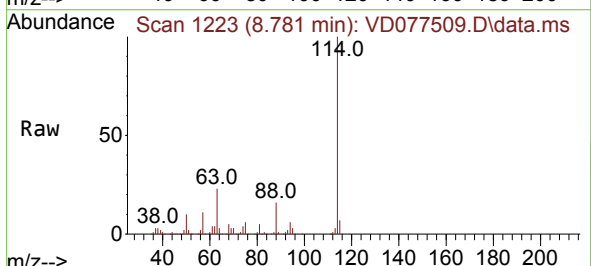
Tgt Ion: 114 Resp: 583186

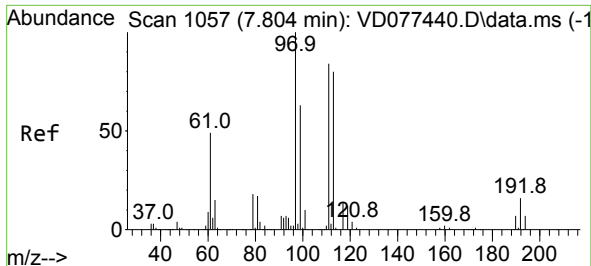
Ion Ratio Lower Upper

114 100

63 23.2 0.0 33.4

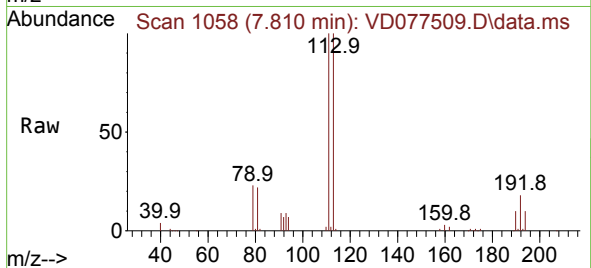
88 16.4 0.0 26.2



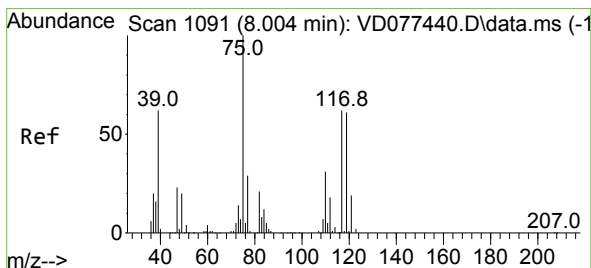
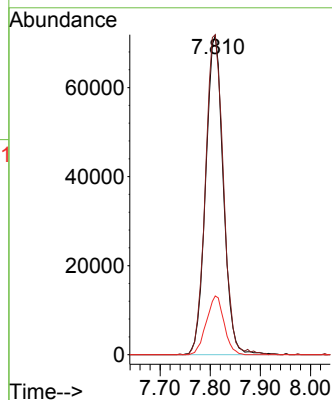
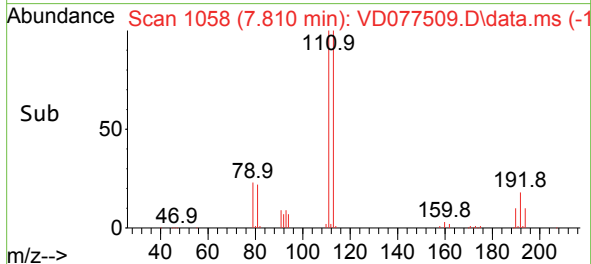


#35
Dibromofluoromethane
Concen: 43.330 ug/l
RT: 7.810 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VD077509.D
Acq: 06 Nov 2023 15:10

Instrument :
MSVOA_D
ClientSampleId :

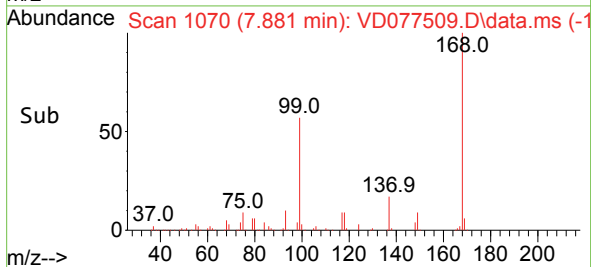
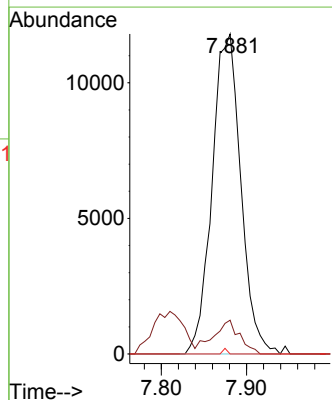
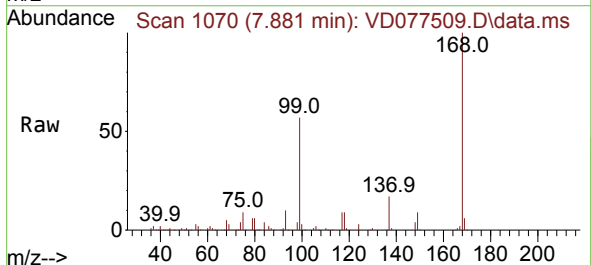


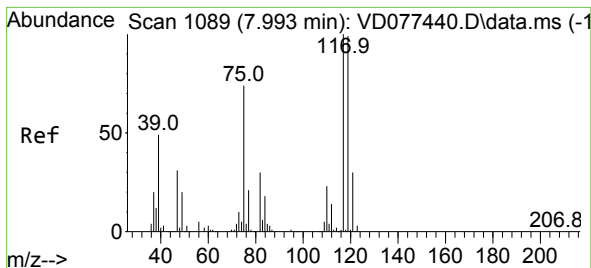
Tgt Ion:113 Resp: 174651
Ion Ratio Lower Upper
113 100
111 102.6 84.7 127.1
192 18.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.618 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD077509.D
Acq: 06 Nov 2023 15:10

Tgt Ion: 75 Resp: 27596
Ion Ratio Lower Upper
75 100
110 9.7 19.9 59.6#
77 0.3 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.549 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

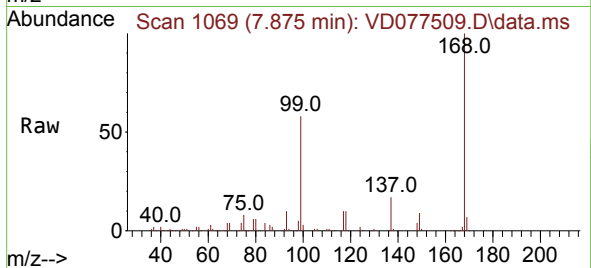
Lab File: VD077509.D

Acq: 06 Nov 2023 15:10

Instrument :

MSVOA_D

ClientSampleId :



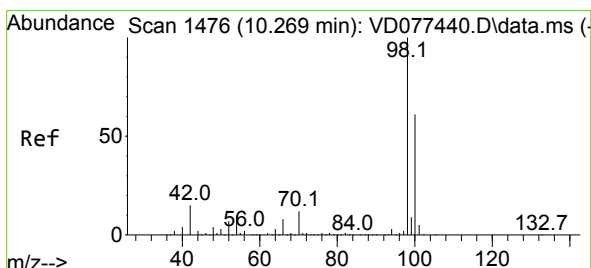
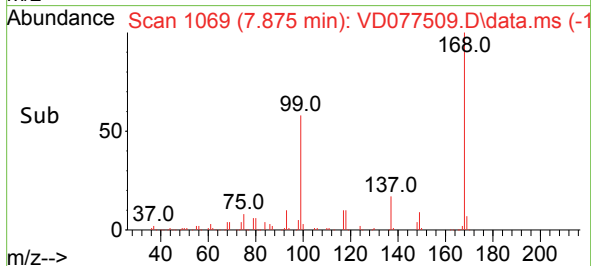
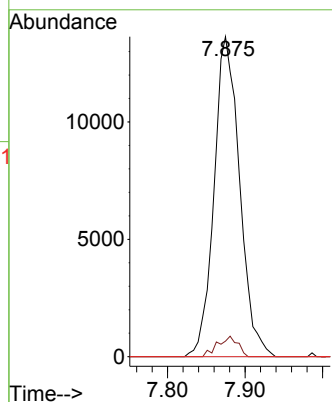
Tgt Ion:117 Resp: 31248

Ion Ratio Lower Upper

117 100

119 4.9 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 48.862 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD077509.D

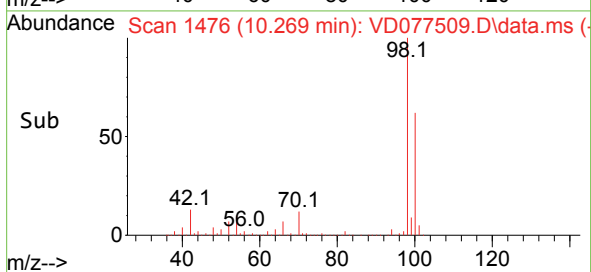
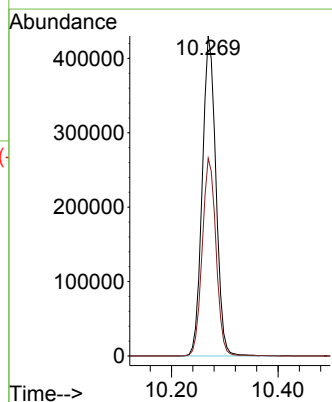
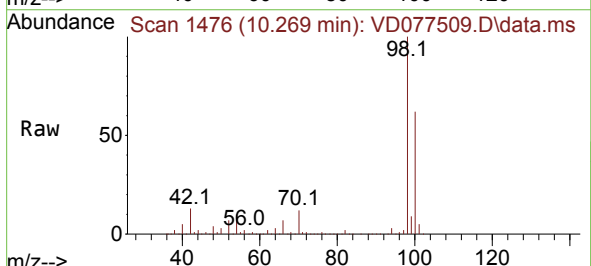
Acq: 06 Nov 2023 15:10

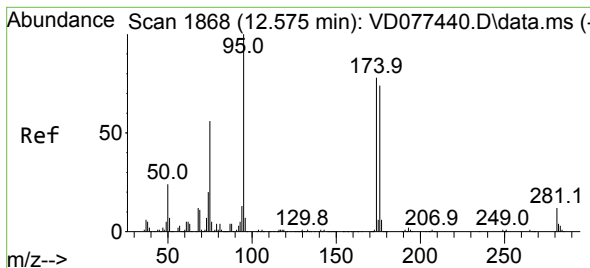
Tgt Ion: 98 Resp: 765001

Ion Ratio Lower Upper

98 100

100 62.3 50.3 75.5

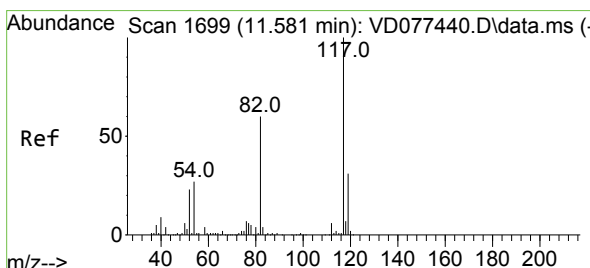
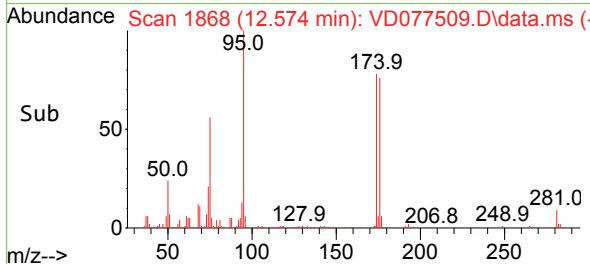
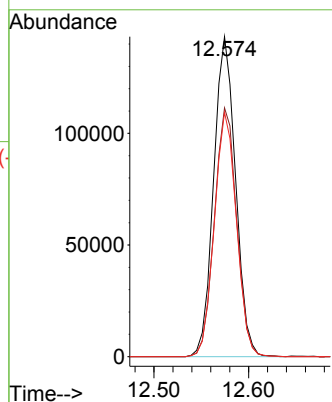
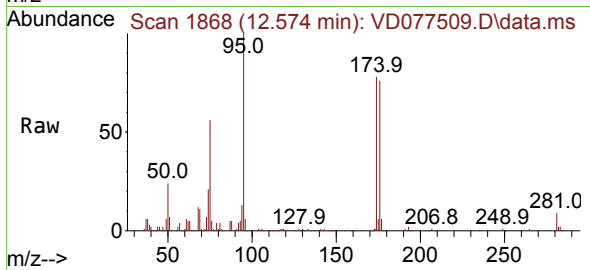




#62
4-Bromofluorobenzene
Concen: 43.665 ug/l
RT: 12.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077509.D
Acq: 06 Nov 2023 15:10

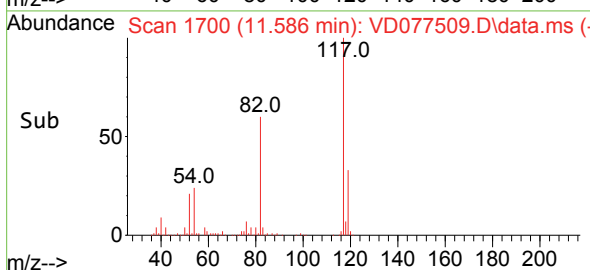
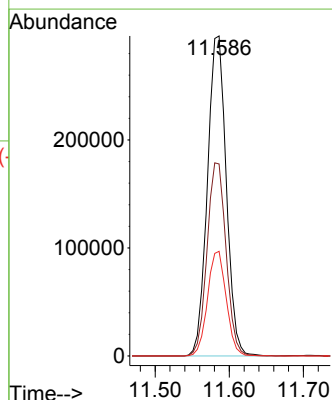
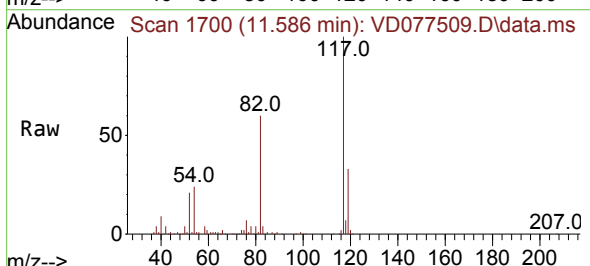
Instrument :
MSVOA_D
ClientSampleId :

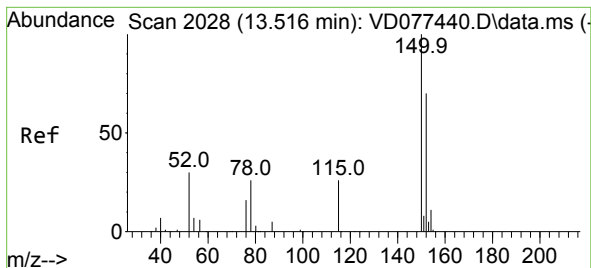
Tgt Ion: 95 Resp: 230256
Ion Ratio Lower Upper
95 100
174 79.1 0.0 201.8
176 77.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077509.D
Acq: 06 Nov 2023 15:10

Tgt Ion: 117 Resp: 523756
Ion Ratio Lower Upper
117 100
82 60.0 38.3 57.5#
119 32.7 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.521 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD077509.D

Acq: 06 Nov 2023 15:10

Instrument :

MSVOA_D

ClientSampleId :

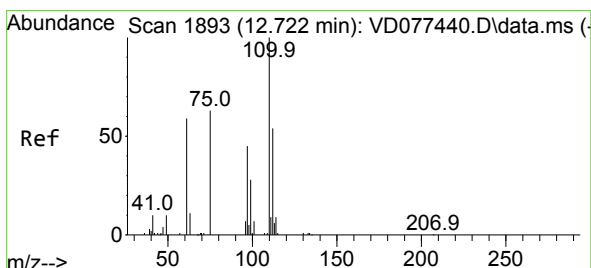
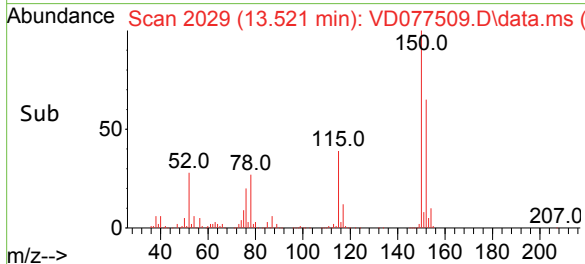
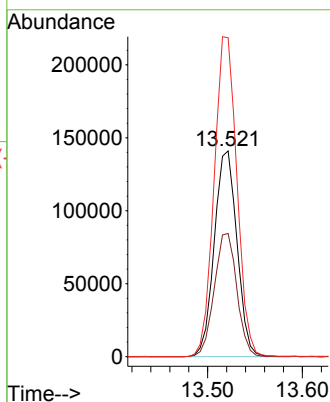
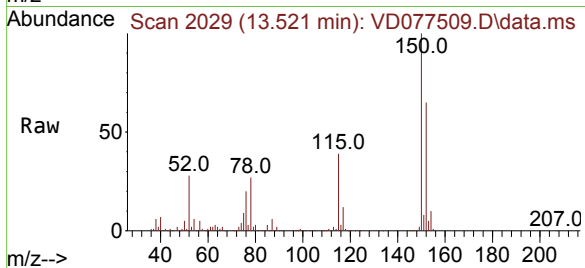
Tgt Ion:152 Resp: 234672

Ion Ratio Lower Upper

152 100

115 59.7 27.1 81.3

150 156.2 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 45.223 ug/l

RT: 12.574 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077509.D

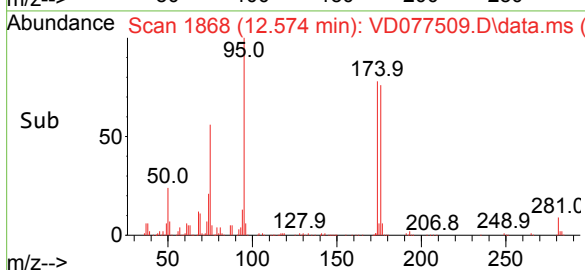
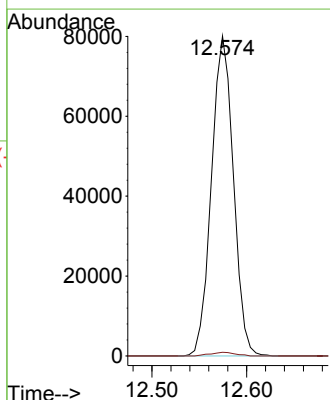
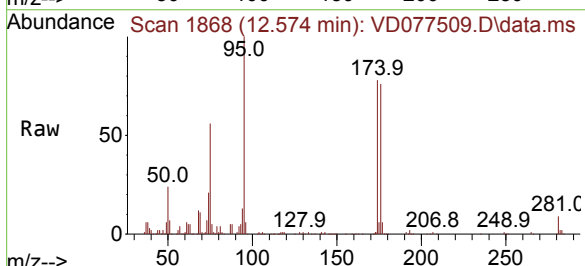
Acq: 06 Nov 2023 15:10

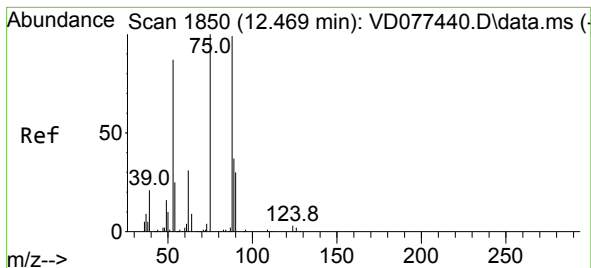
Tgt Ion: 75 Resp: 129164

Ion Ratio Lower Upper

75 100

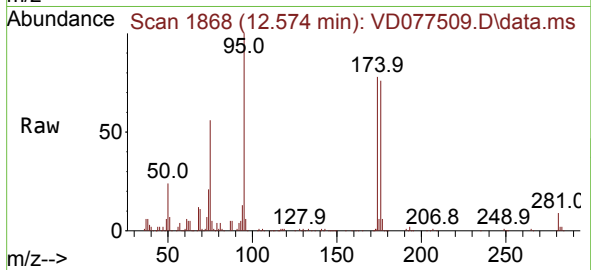
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.353 ug/l
 RT: 12.574 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD077509.D
 Acq: 06 Nov 2023 15:10

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 129164
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.1 37.9 56.9#

