

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110823\
 Data File : VD077521.D
 Acq On : 08 Nov 2023 15:32
 Operator : JC/SY
 Sample : 05292-03RE
 Misc : 5.70G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 09 01:38:32 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)

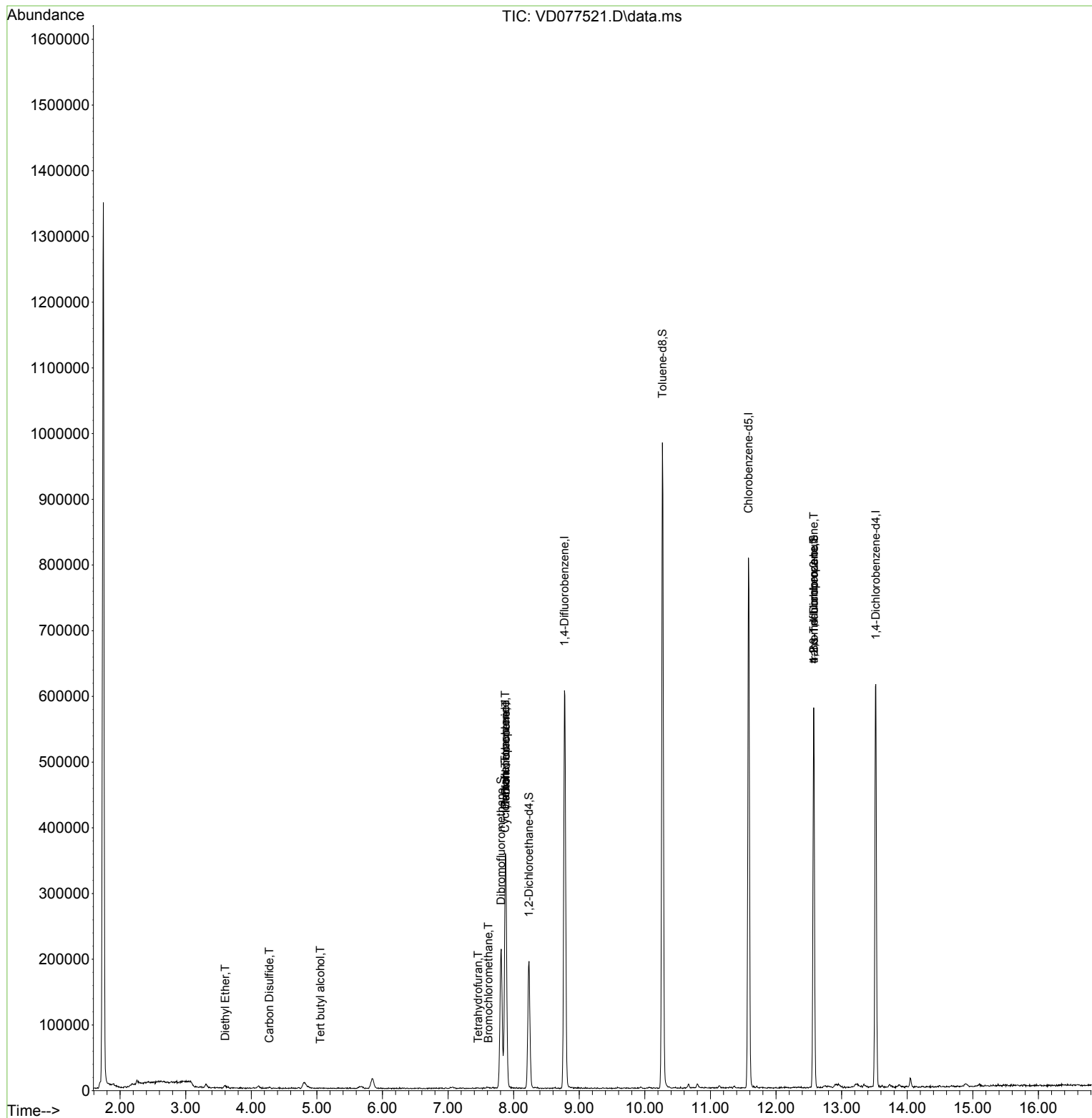
Internal Standards						
1) Pentafluorobenzene	7.875	168	266937	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	513513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	430599	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	158320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	151347	40.096	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.200%
35) Dibromofluoromethane	7.810	113	152501	42.968	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.940%
50) Toluene-d8	10.269	98	653211	47.382	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.760%
62) 4-Bromofluorobenzene	12.575	95	171385	36.911	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.820%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.604	74	1984	1.183	ug/l #	36
11) Tert butyl alcohol	5.051	59	307	1.027	ug/l #	73
17) Carbon Disulfide	4.275	76	1890	3.969	ug/l #	64
20) Methylene Chloride	4.810	84	5608	Below Cal	#	80
28) Bromochloromethane	7.616	49	62	2.124	ug/l #	1
29) Tetrahydrofuran	7.457	42	1105	1.398	ug/l #	27
31) Cyclohexane	7.869	56	6891	1.168	ug/l #	22
36) 1,1-Dichloropropene	7.881	75	24951	4.741	ug/l #	47
38) Carbon Tetrachloride	7.875	117	27988	5.644	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	97004	50.342	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	97004	97.242	ug/l #	17

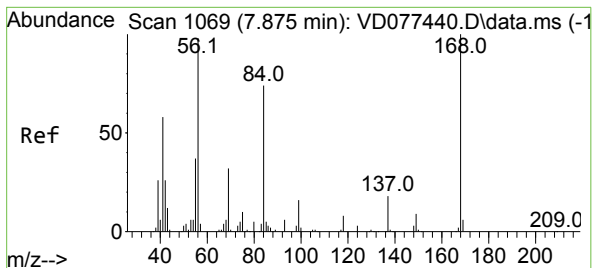
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 10

Delta R.T. -0.000 min

Lab File: VD077521.D

Acq: 08 Nov 2023 15:32

Instrument :

MSVOA_D

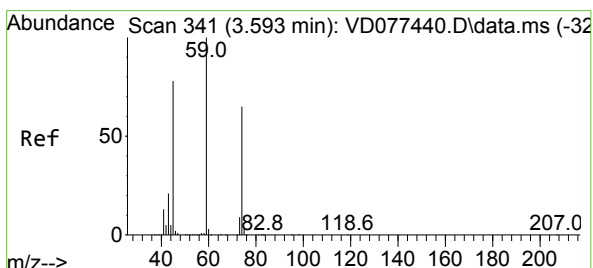
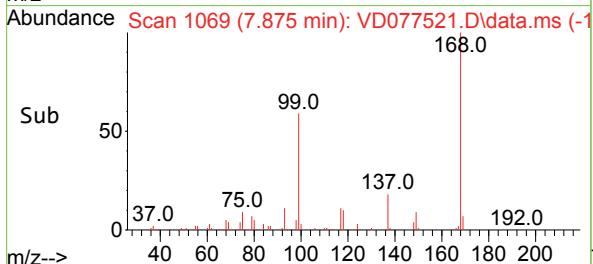
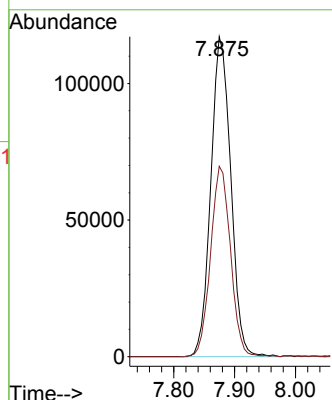
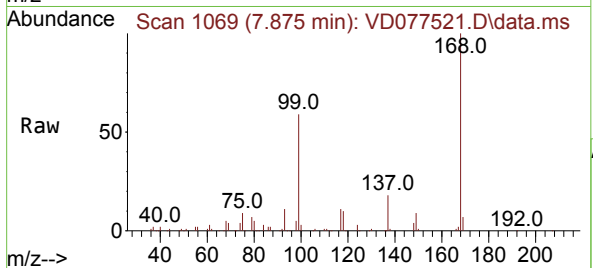
ClientSampleId :

Tgt Ion:168 Resp: 266937

Ion Ratio Lower Upper

168 100

99 59.5 36.7 55.1#



#8

Diethyl Ether

Concen: 1.183 ug/l

RT: 3.604 min Scan# 343

Delta R.T. 0.012 min

Lab File: VD077521.D

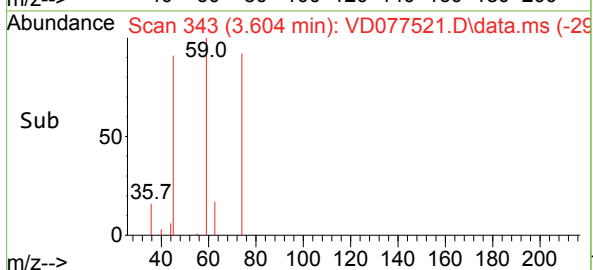
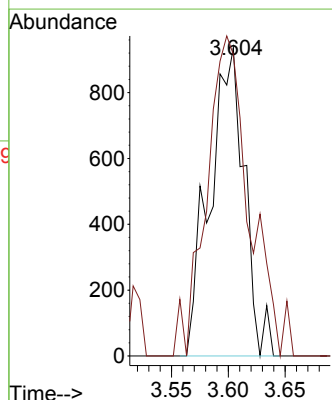
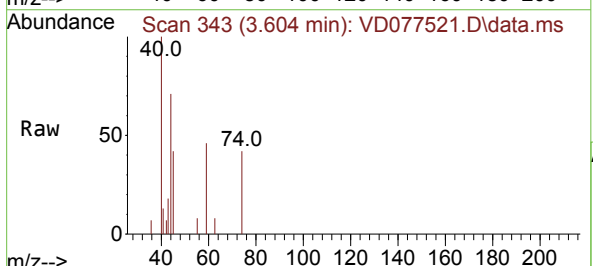
Acq: 08 Nov 2023 15:32

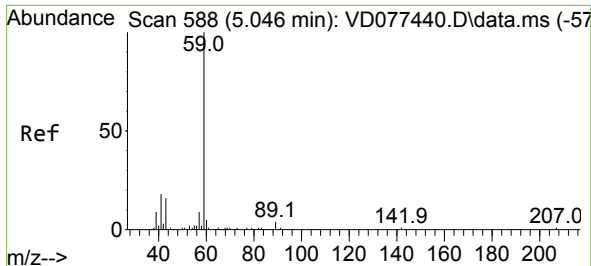
Tgt Ion: 74 Resp: 1984

Ion Ratio Lower Upper

74 100

45 129.2 37.5 112.7#

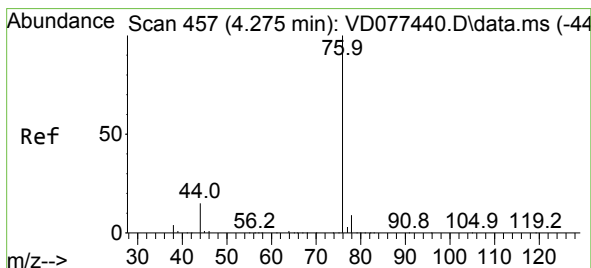
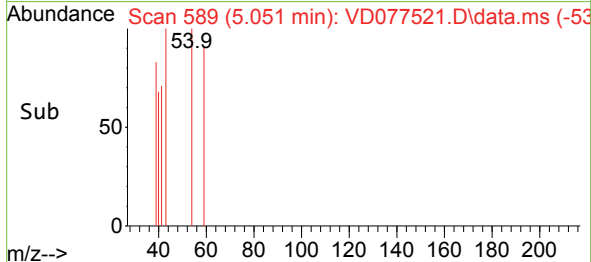
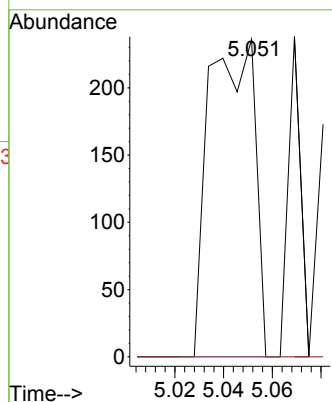
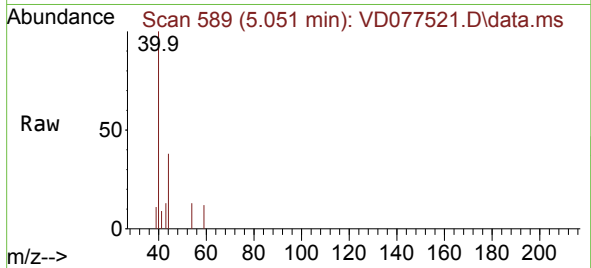




#11
Tert butyl alcohol
Concen: 1.027 ug/l
RT: 5.051 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD077521.D
Acq: 08 Nov 2023 15:32

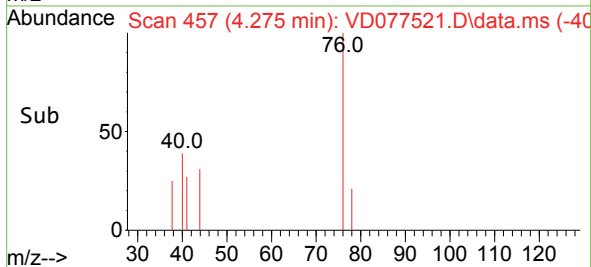
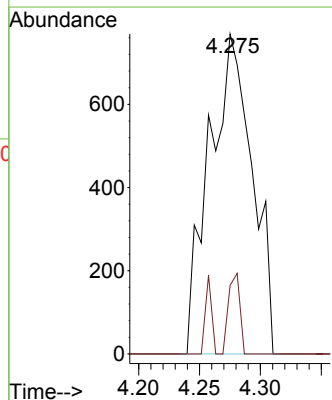
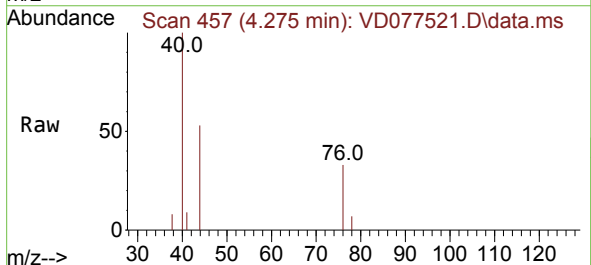
Instrument :
MSVOA_D
ClientSampleId :

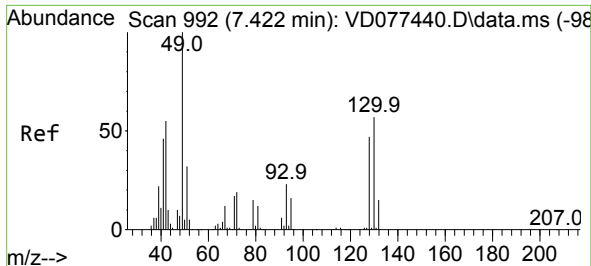
Tgt Ion: 59 Resp: 307
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#17
Carbon Disulfide
Concen: 3.969 ug/l
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD077521.D
Acq: 08 Nov 2023 15:32

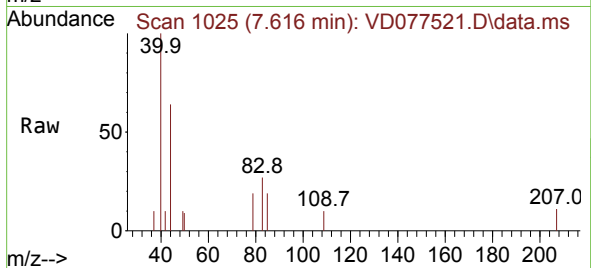
Tgt Ion: 76 Resp: 1890
Ion Ratio Lower Upper
76 100
78 21.5 6.8 10.2#



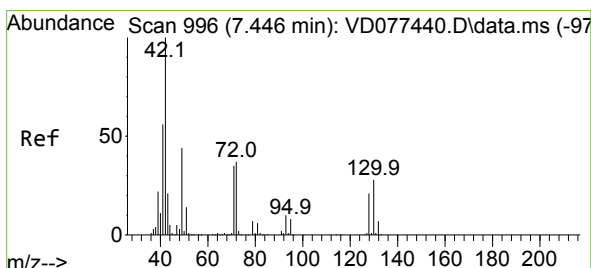
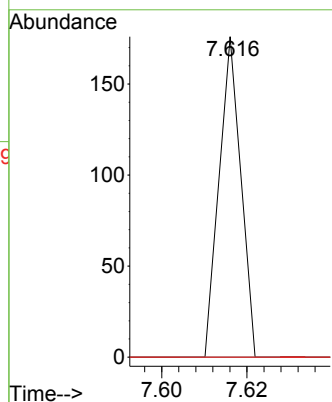
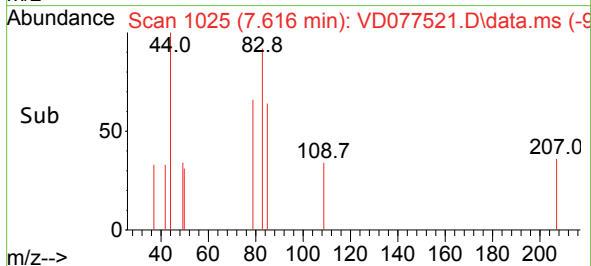


#28
Bromochloromethane
Concen: 2.124 ug/l
RT: 7.616 min Scan# 1025
Delta R.T. 0.194 min
Lab File: VD077521.D
Acq: 08 Nov 2023 15:32

Instrument :
MSVOA_D
ClientSampleId :

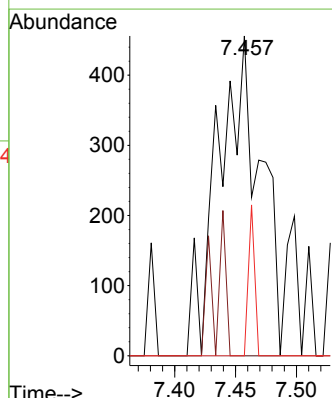
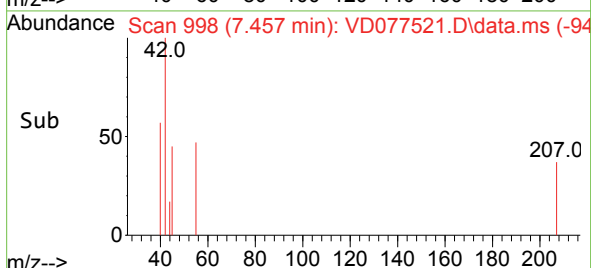
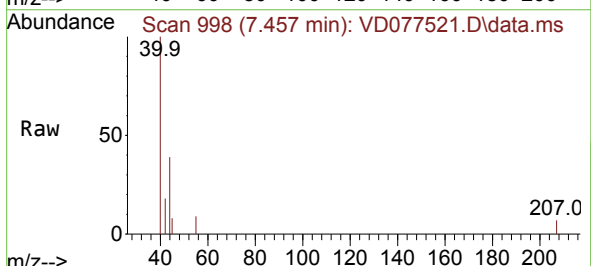


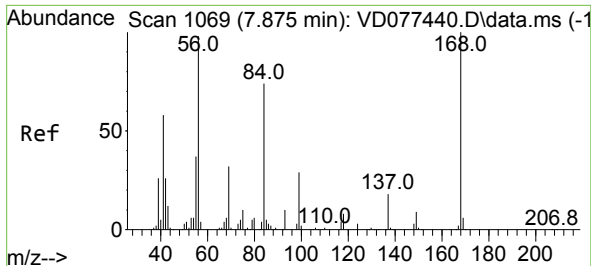
Tgt Ion: 49 Resp: 62
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#29
Tetrahydrofuran
Concen: 1.398 ug/l
RT: 7.457 min Scan# 998
Delta R.T. 0.012 min
Lab File: VD077521.D
Acq: 08 Nov 2023 15:32

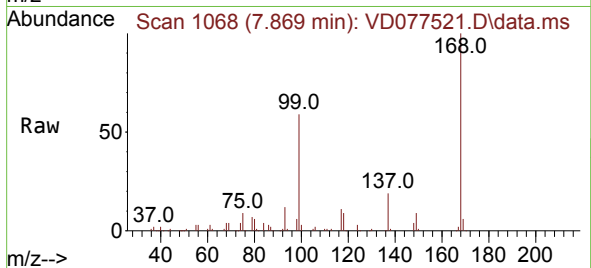
Tgt Ion: 42 Resp: 1105
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 6.9 44.5 66.7#



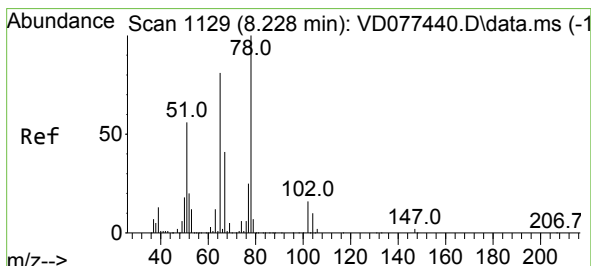
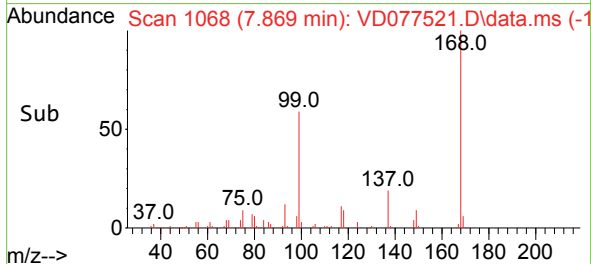
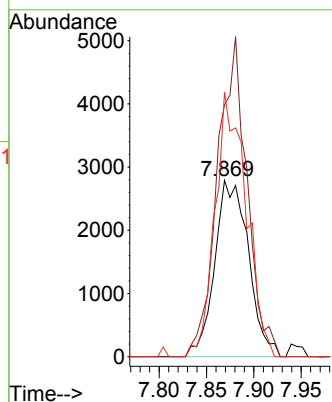


#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.869 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VD077521.D
Acq: 08 Nov 2023 15:32

Instrument :
MSVOA_D
ClientSampleId :

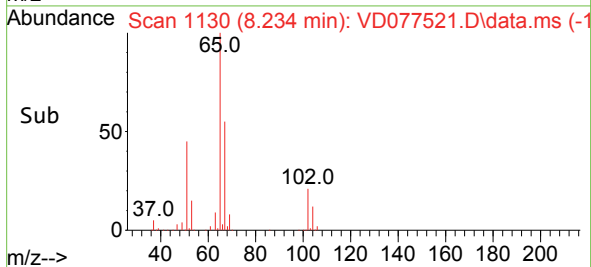
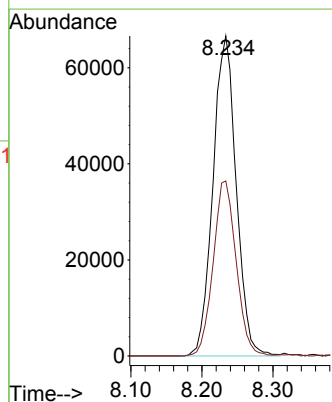
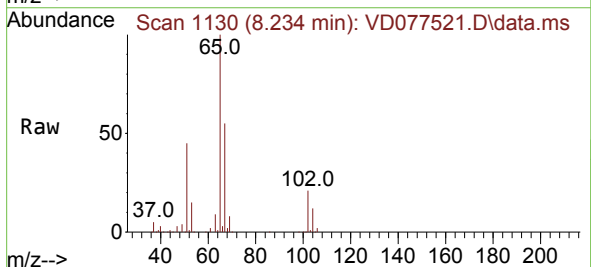


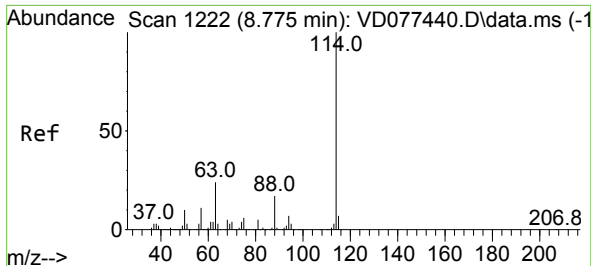
Tgt Ion: 56 Resp: 6891
Ion Ratio Lower Upper
56 100
69 143.0 28.6 43.0#
84 150.1 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 40.096 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077521.D
Acq: 08 Nov 2023 15:32

Tgt Ion: 65 Resp: 151347
Ion Ratio Lower Upper
65 100
67 54.1 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: VD077521.D

Acq: 08 Nov 2023 15:32

Instrument :

MSVOA_D

ClientSampleId :

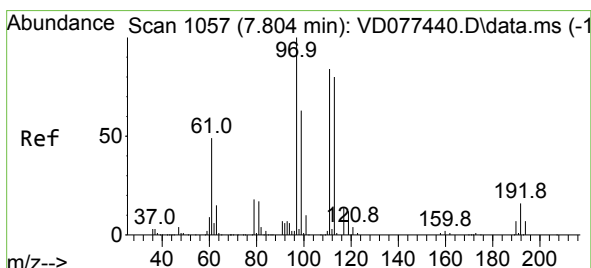
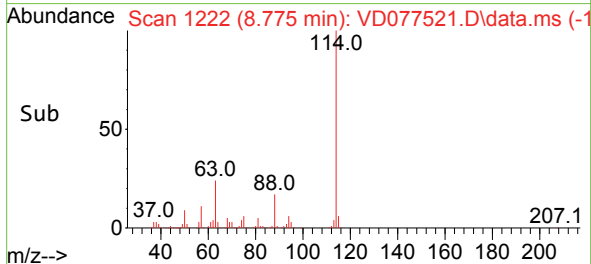
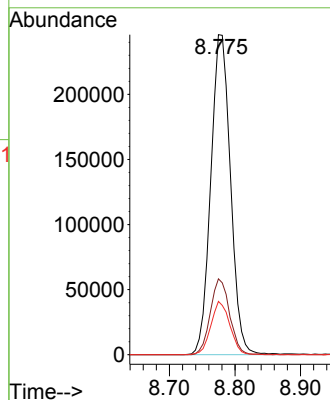
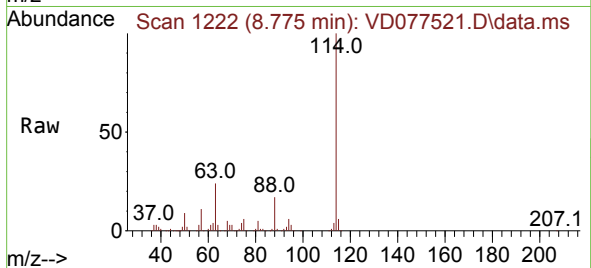
Tgt Ion:114 Resp: 513513

Ion Ratio Lower Upper

114 100

63 23.7 0.0 33.4

88 16.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.968 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077521.D

Acq: 08 Nov 2023 15:32

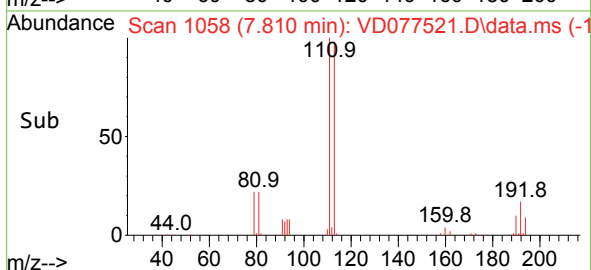
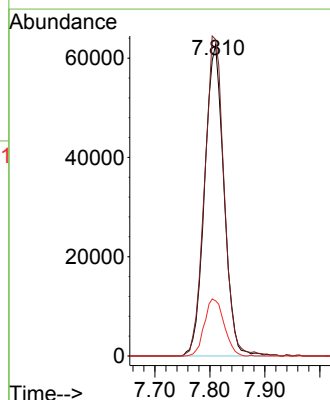
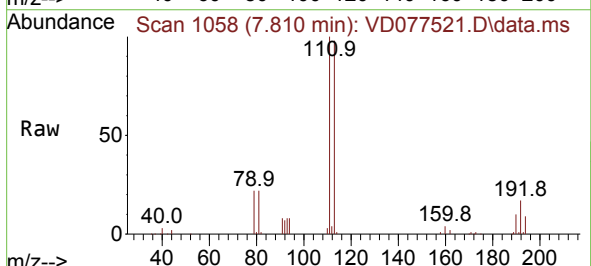
Tgt Ion:113 Resp: 152501

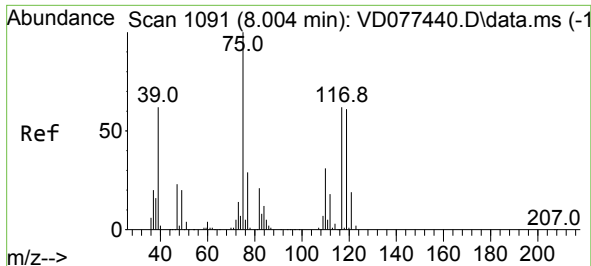
Ion Ratio Lower Upper

113 100

111 104.0 84.7 127.1

192 18.7 16.8 25.2

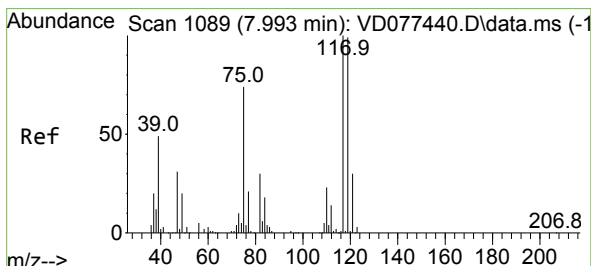
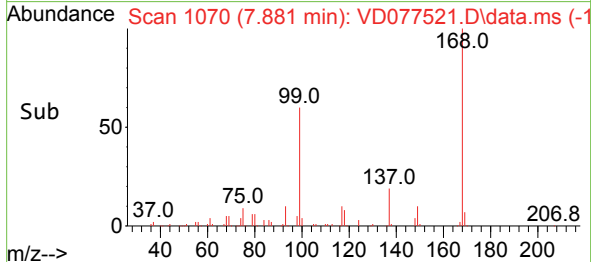
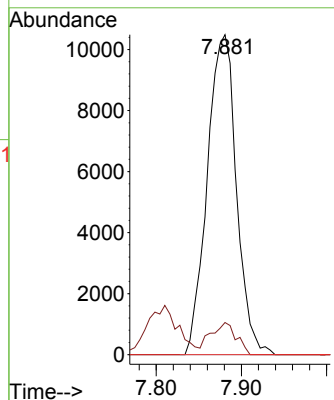
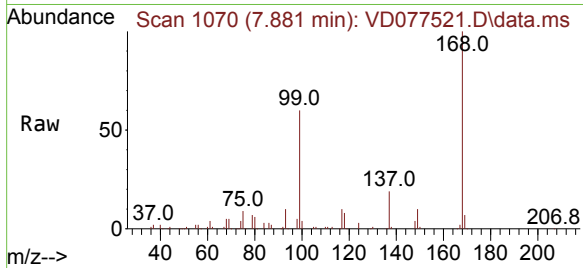




#36
1,1-Dichloropropene
Concen: 4.741 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. -0.124 min
Lab File: VD077521.D
Acq: 08 Nov 2023 15:32

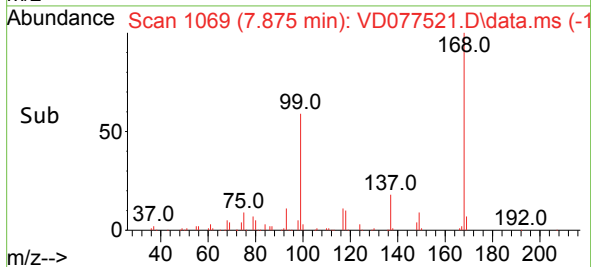
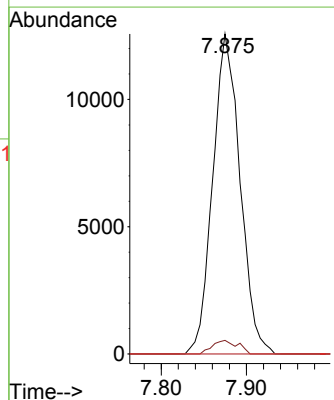
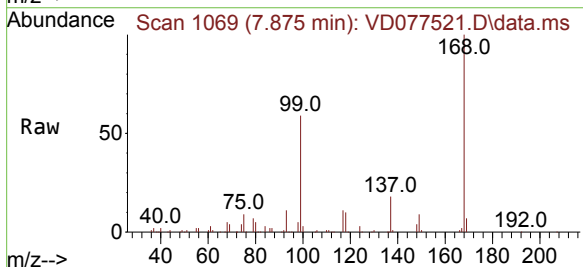
Instrument :
MSVOA_D
ClientSampleId :

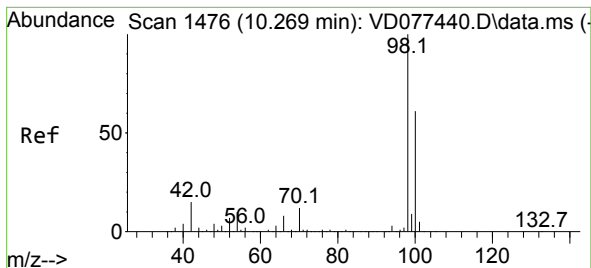
Tgt Ion: 75 Resp: 24951
Ion Ratio Lower Upper
75 100
110 8.8 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.644 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD077521.D
Acq: 08 Nov 2023 15:32

Tgt Ion: 117 Resp: 27988
Ion Ratio Lower Upper
117 100
119 4.3 78.0 117.0#
121 0.0 24.2 36.2#

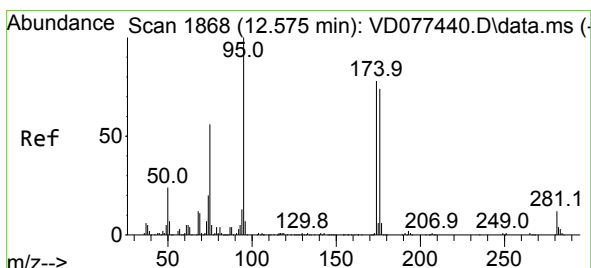
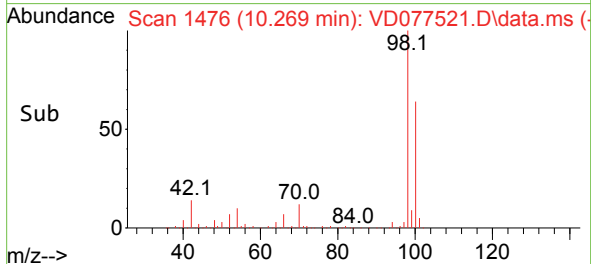
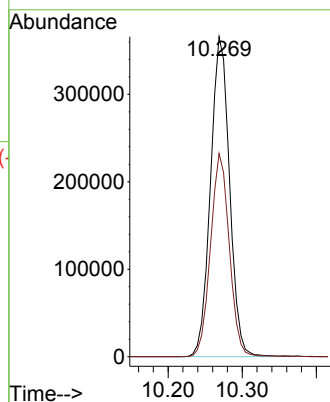
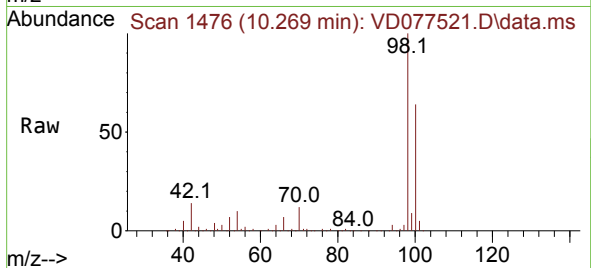




#50
Toluene-d8
Concen: 47.382 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077521.D
Acq: 08 Nov 2023 15:32

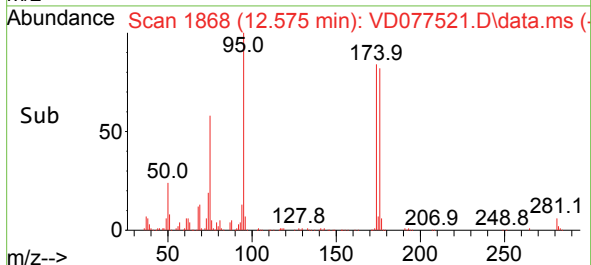
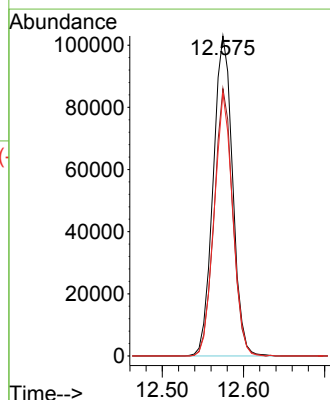
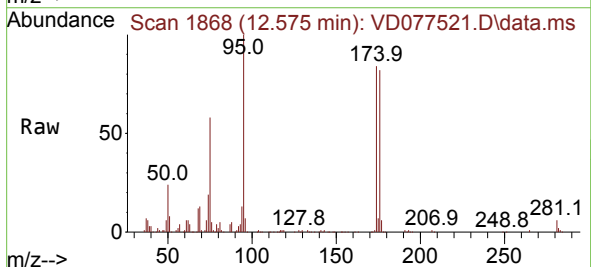
Instrument :
MSVOA_D
ClientSampleId :

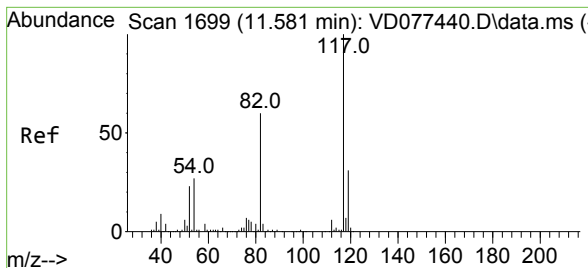
Tgt Ion: 98 Resp: 653211
Ion Ratio Lower Upper
98 100
100 62.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 36.911 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077521.D
Acq: 08 Nov 2023 15:32

Tgt Ion: 95 Resp: 171385
Ion Ratio Lower Upper
95 100
174 79.7 0.0 201.8
176 78.2 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: VD077521.D

Acq: 08 Nov 2023 15:32

Instrument :

MSVOA_D

ClientSampleId :

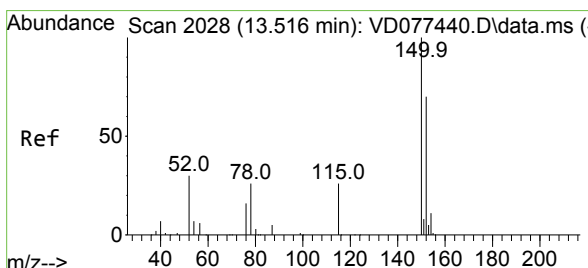
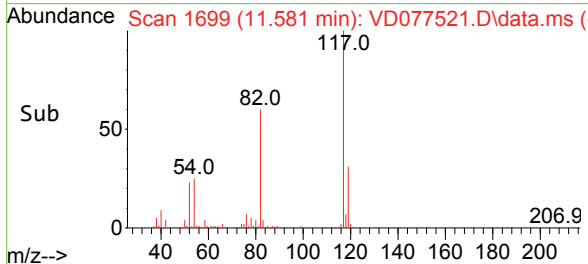
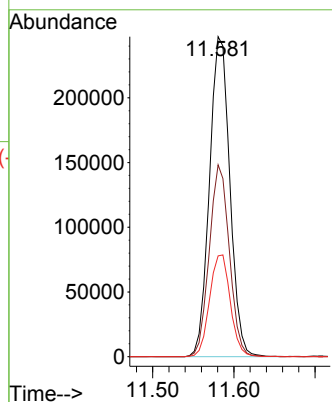
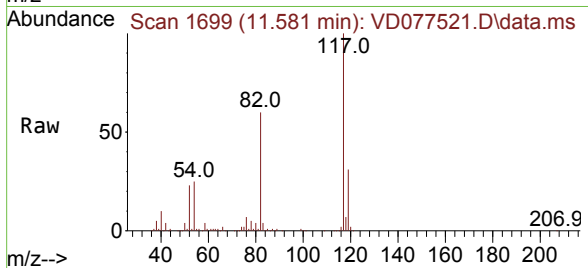
Tgt Ion:117 Resp: 430599

Ion Ratio Lower Upper

117 100

82 59.9 38.3 57.5#

119 31.5 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: VD077521.D

Acq: 08 Nov 2023 15:32

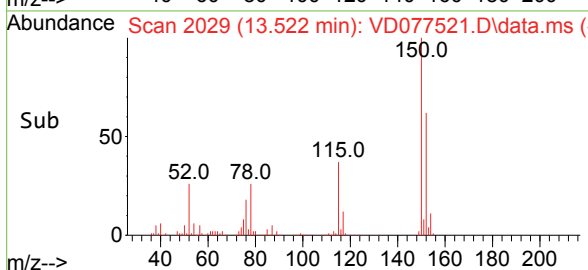
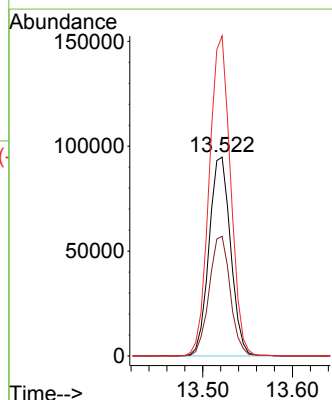
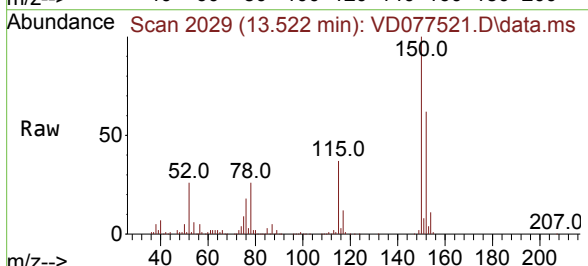
Tgt Ion:152 Resp: 158320

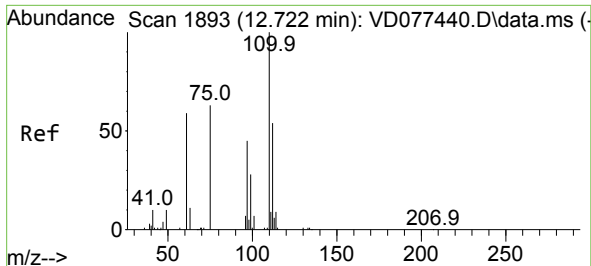
Ion Ratio Lower Upper

152 100

115 59.2 27.1 81.3

150 159.0 0.0 353.6

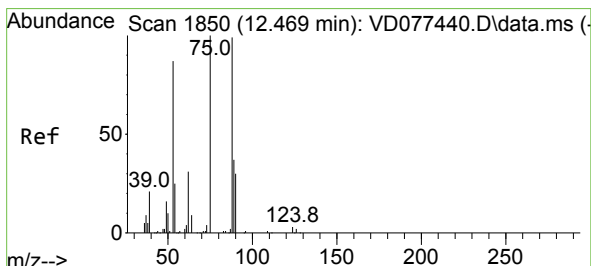
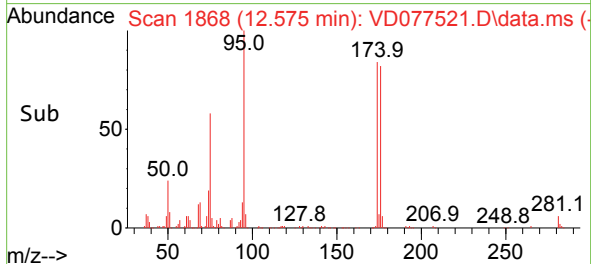
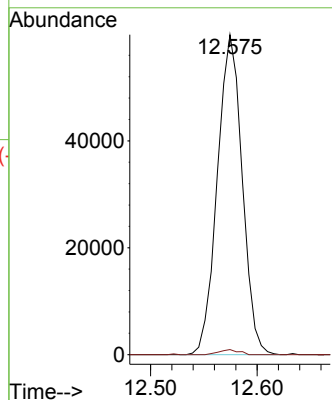
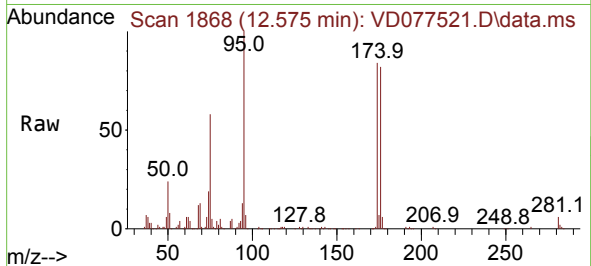




#76
1,2,3-Trichloropropane
Concen: 50.342 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077521.D
Acq: 08 Nov 2023 15:32

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 97004
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.242 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077521.D
Acq: 08 Nov 2023 15:32

Tgt Ion: 75 Resp: 97004
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

