

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077468.D
 Acq On : 31 Oct 2023 18:32
 Operator : JC/SY
 Sample : 05164-01
 Misc : 3.45G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:10:46 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	265013	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	573537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	597847	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	288737	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	180914	48.277	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.560%
35) Dibromofluoromethane	7.804	113	182088	45.935	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.860%
50) Toluene-d8	10.269	98	772807	50.191	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.380%
62) 4-Bromofluorobenzene	12.575	95	294242	56.738	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.480%

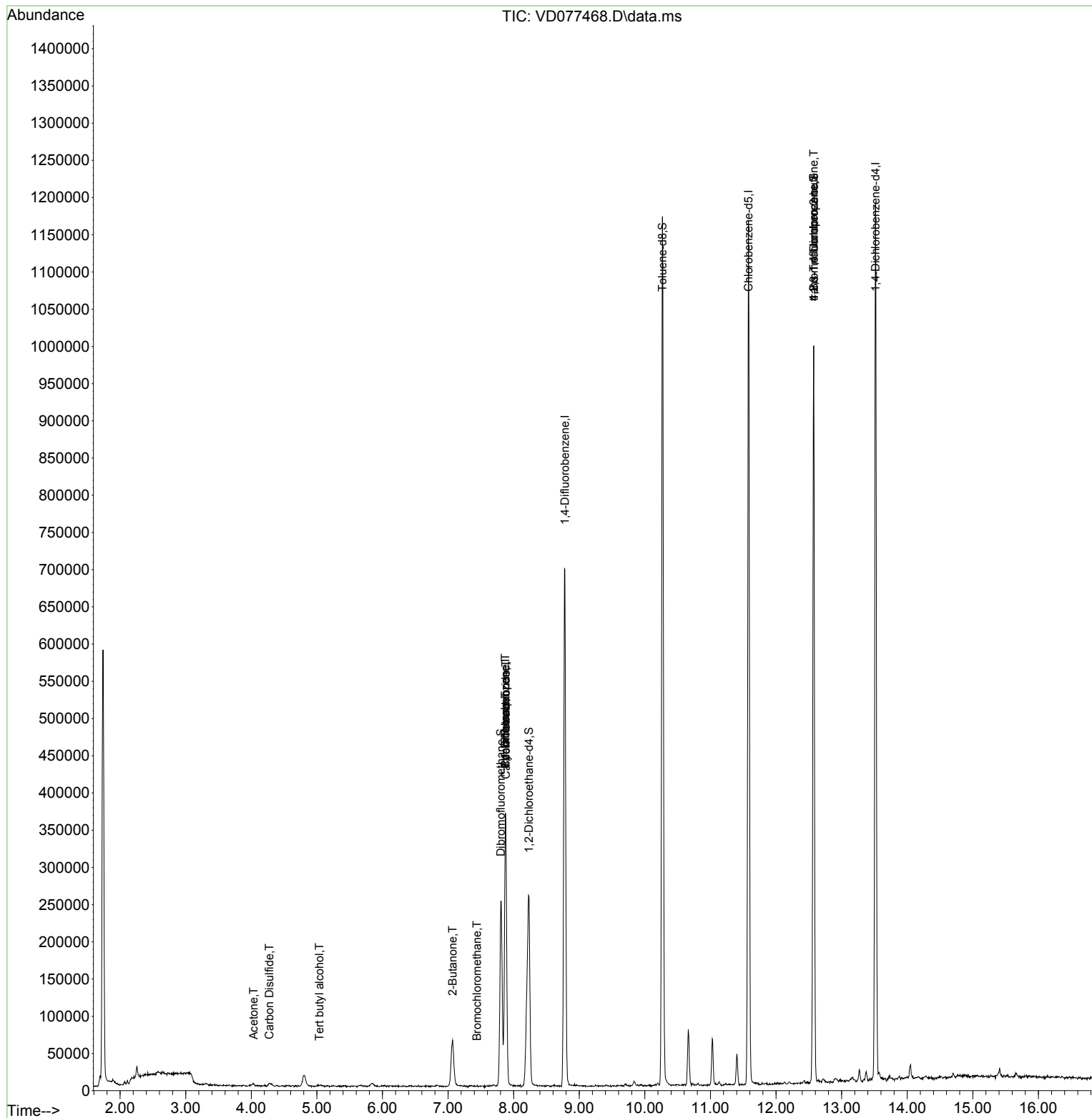
Target Compounds						Qvalue
11) Tert butyl alcohol	5.040	59	2161	7.280	ug/l	# 51
16) Acetone	4.034	43	3298	3.326	ug/l	# 79
17) Carbon Disulfide	4.275	76	3283	4.128	ug/l	# 76
25) 2-Butanone	7.069	43	4881	3.690	ug/l	92
28) Bromochloromethane	7.440	49	56	2.122	ug/l	# 1
31) Cyclohexane	7.875	56	7827	1.336	ug/l	# 34
36) 1,1-Dichloropropene	7.875	75	26040	4.431	ug/l	# 47
38) Carbon Tetrachloride	7.881	117	28379	5.124	ug/l	# 15
76) 1,2,3-Trichloropropane	12.575	75	168680	48.000	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	168680	92.717	ug/l	# 18

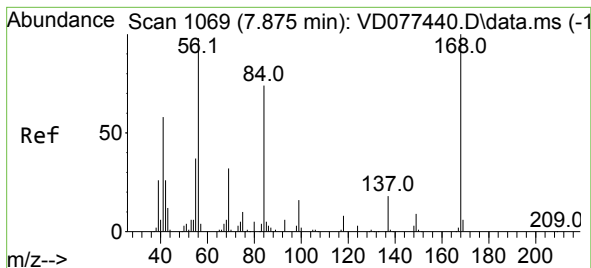
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1069

Delta R.T. 0.000 min

Lab File: VD077468.D

Acq: 31 Oct 2023 18:32

Instrument :

MSVOA_D

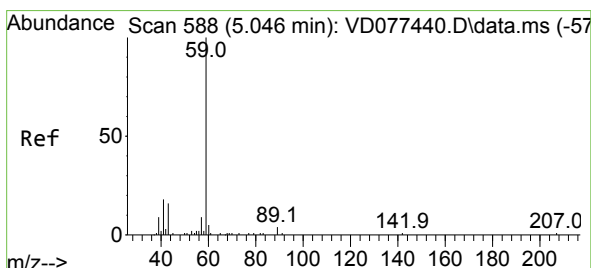
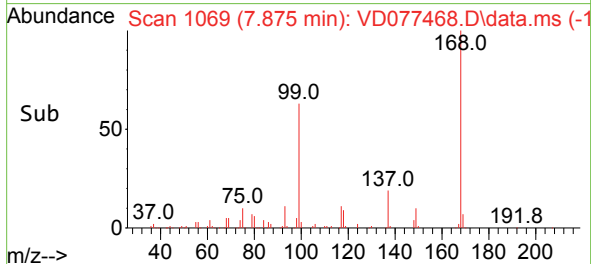
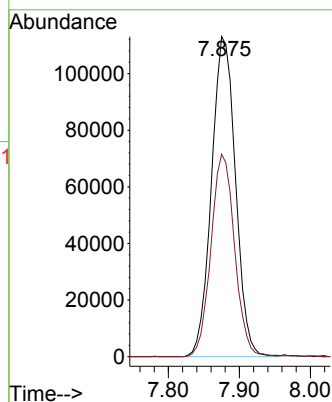
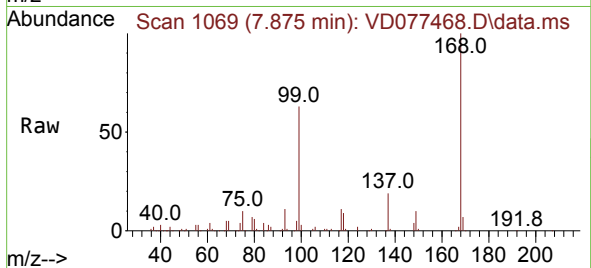
ClientSampleId :

Tgt Ion:168 Resp: 265013

Ion Ratio Lower Upper

168 100

99 63.2 36.7 55.1#



#11

Tert butyl alcohol

Concen: 7.280 ug/l

RT: 5.040 min Scan# 587

Delta R.T. -0.006 min

Lab File: VD077468.D

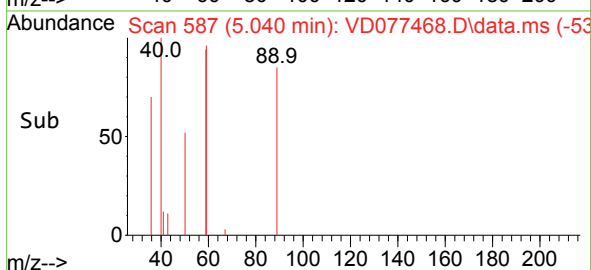
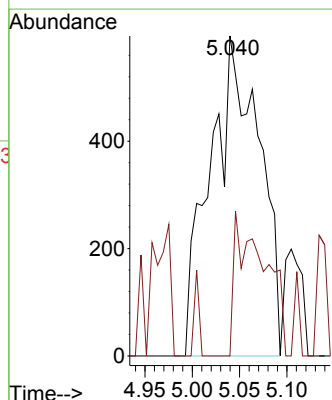
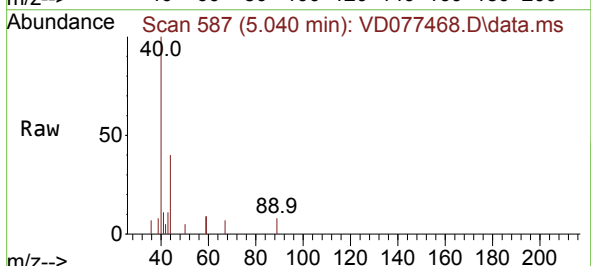
Acq: 31 Oct 2023 18:32

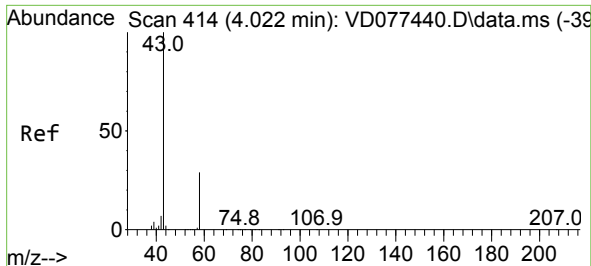
Tgt Ion: 59 Resp: 2161

Ion Ratio Lower Upper

59 100

57 27.7 7.8 11.8#

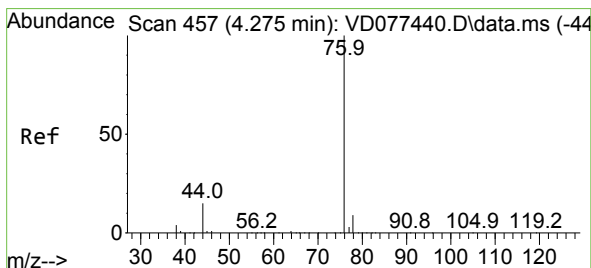
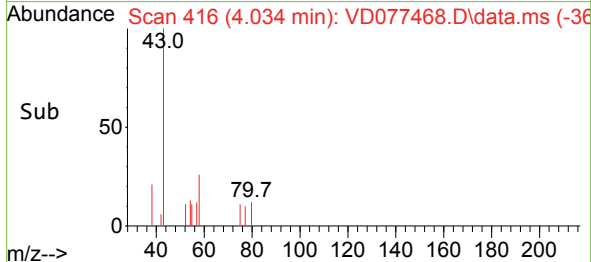
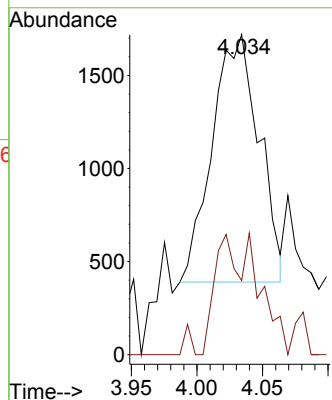
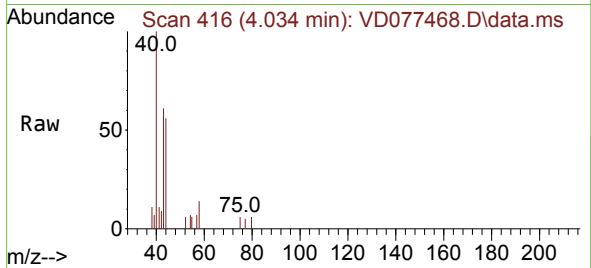




#16
Acetone
Concen: 3.326 ug/l
RT: 4.034 min Scan# 414
Delta R.T. 0.012 min
Lab File: VD077468.D
Acq: 31 Oct 2023 18:32

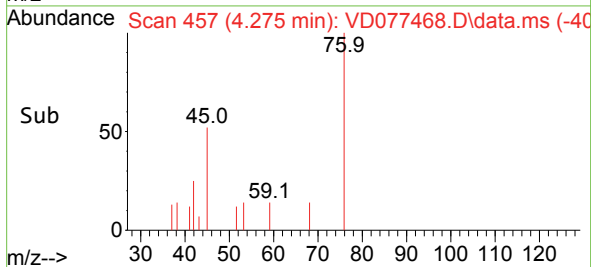
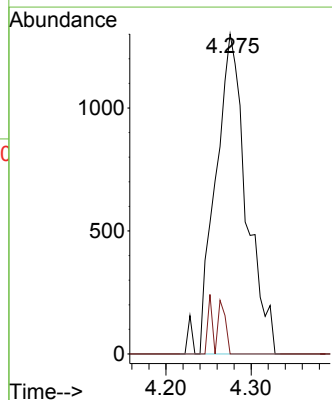
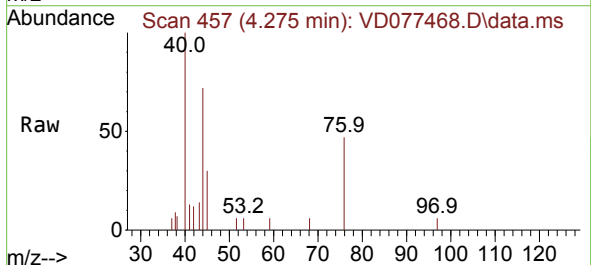
Instrument :
MSVOA_D
ClientSampleId :

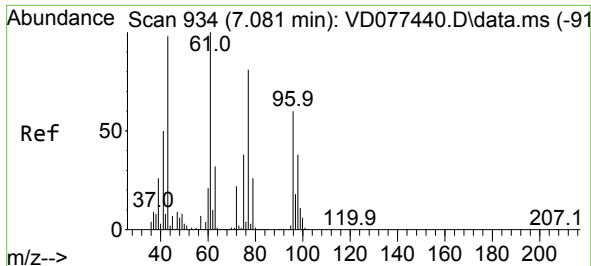
Tgt Ion: 43 Resp: 3298
Ion Ratio Lower Upper
43 100
58 29.9 34.7 52.1#



#17
Carbon Disulfide
Concen: 4.128 ug/l
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD077468.D
Acq: 31 Oct 2023 18:32

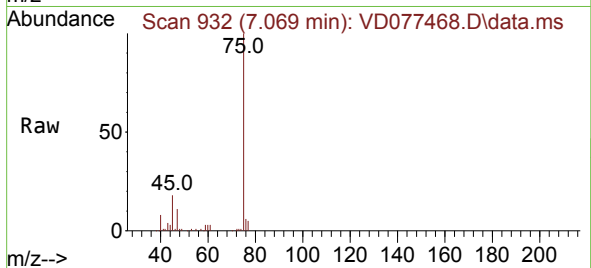
Tgt Ion: 76 Resp: 3283
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



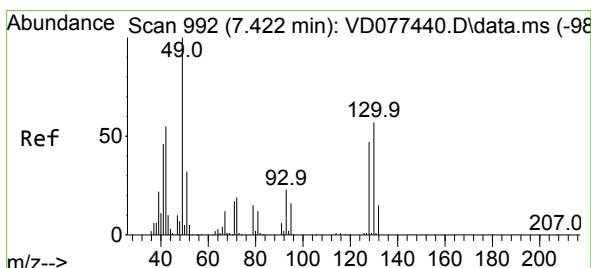
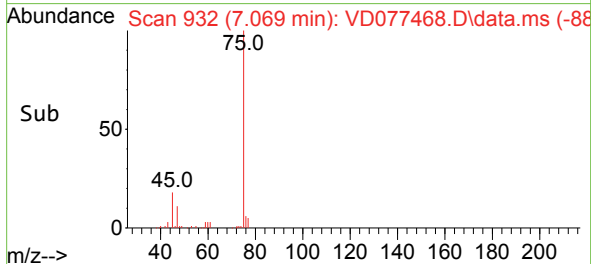
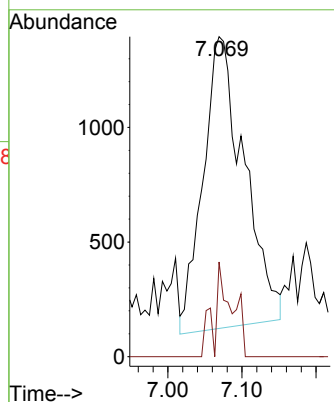


#25
2-Butanone
Concen: 3.690 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD077468.D
Acq: 31 Oct 2023 18:32

Instrument :
MSVOA_D
ClientSampleId :

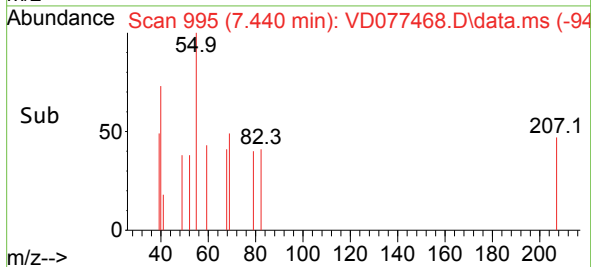
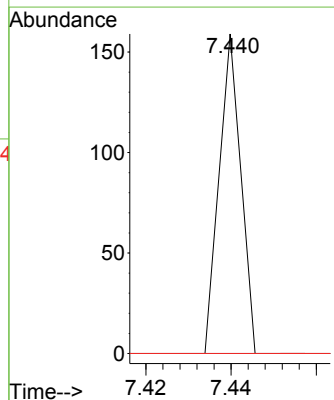
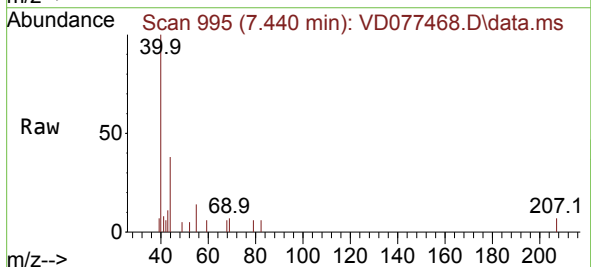


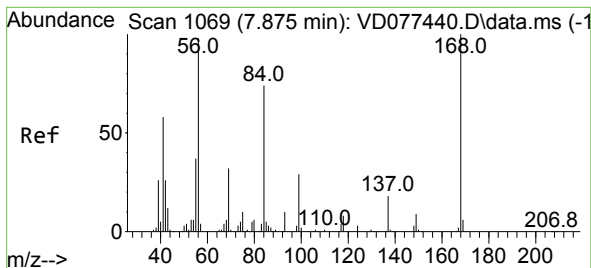
Tgt Ion: 43 Resp: 4881
Ion Ratio Lower Upper
43 100
72 33.9 30.7 46.1



#28
Bromochloromethane
Concen: 2.122 ug/l
RT: 7.440 min Scan# 995
Delta R.T. 0.018 min
Lab File: VD077468.D
Acq: 31 Oct 2023 18:32

Tgt Ion: 49 Resp: 56
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#31

Cyclohexane

Concen: 1.336 ug/l

RT: 7.875 min Scan# 1130

Delta R.T. 0.000 min

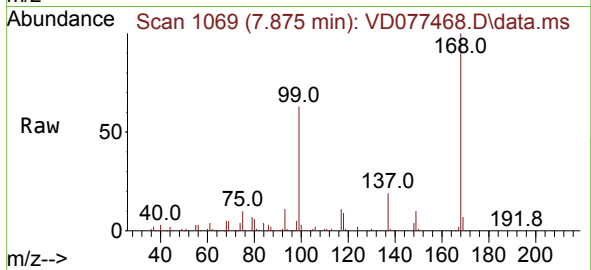
Lab File: VD077468.D

Acq: 31 Oct 2023 18:32

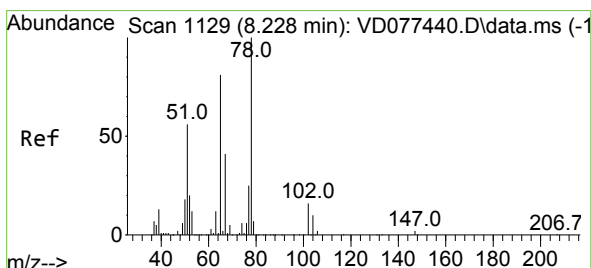
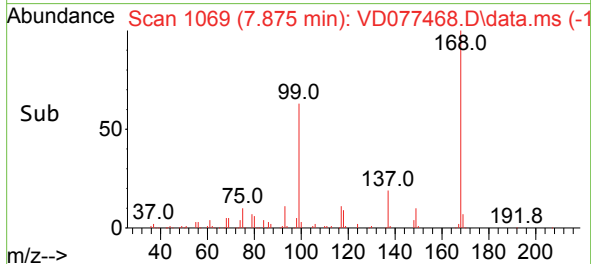
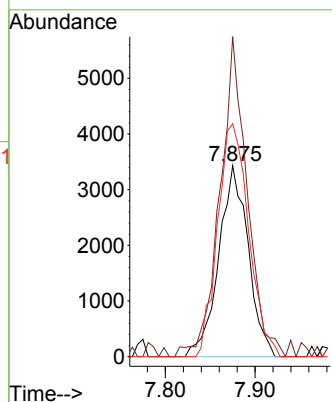
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	56	Resp:	7827
Ion Ratio	Lower	Upper	
56	100		
69	162.7	28.6	43.0#
84	122.0	84.8	127.2



#33

1,2-Dichloroethane-d4

Concen: 48.277 ug/l

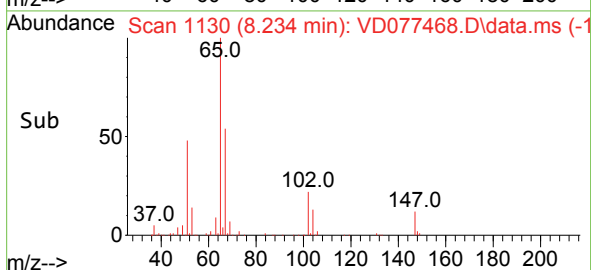
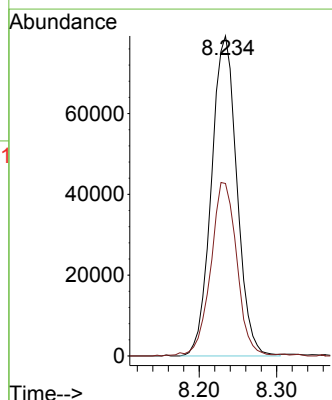
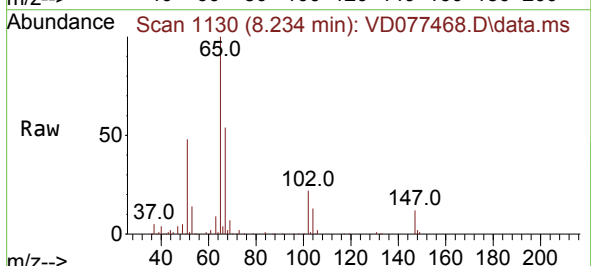
RT: 8.234 min Scan# 1130

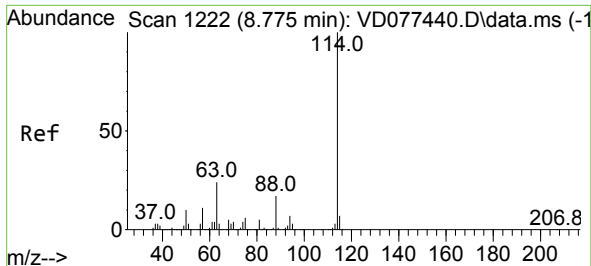
Delta R.T. 0.006 min

Lab File: VD077468.D

Acq: 31 Oct 2023 18:32

Tgt Ion:	65	Resp:	180914
Ion Ratio	Lower	Upper	
65	100		
67	55.5	0.0	115.0

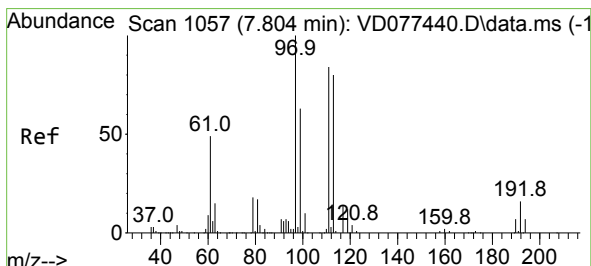
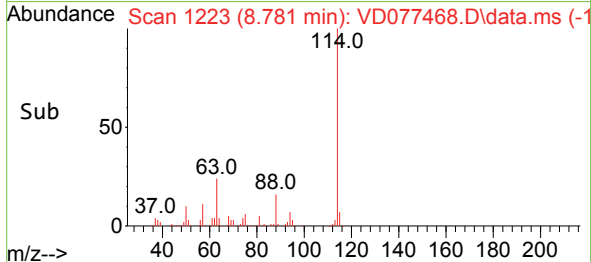
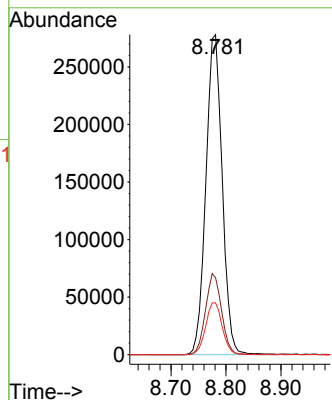
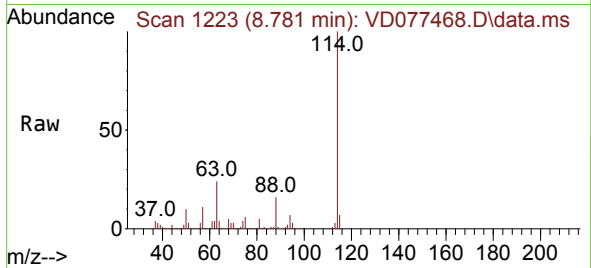




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1114
Delta R.T. 0.006 min
Lab File: VD077468.D
Acq: 31 Oct 2023 18:32

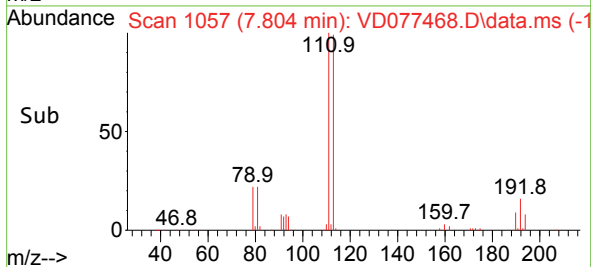
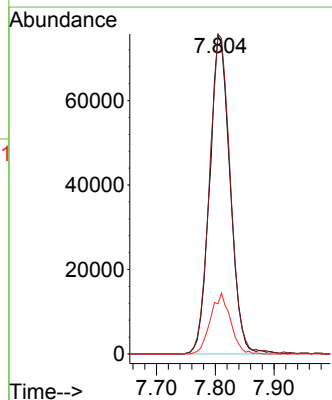
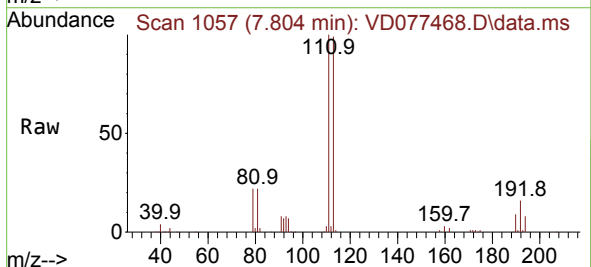
Instrument :
MSVOA_D
ClientSampleId :

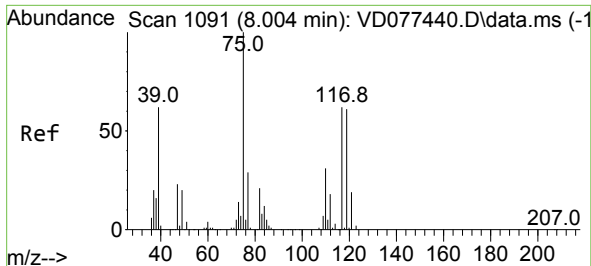
Tgt Ion:114 Resp: 573537
Ion Ratio Lower Upper
114 100
63 24.1 0.0 33.4
88 16.2 0.0 26.2



#35
Dibromofluoromethane
Concen: 45.935 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077468.D
Acq: 31 Oct 2023 18:32

Tgt Ion:113 Resp: 182088
Ion Ratio Lower Upper
113 100
111 102.4 84.7 127.1
192 18.7 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.431 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

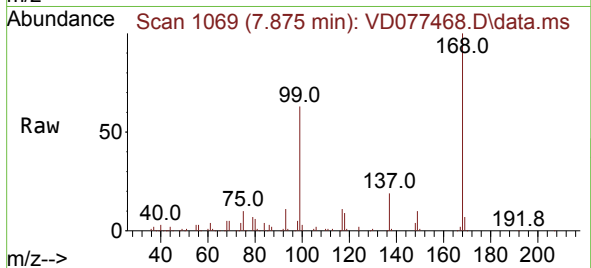
Lab File: VD077468.D

Acq: 31 Oct 2023 18:32

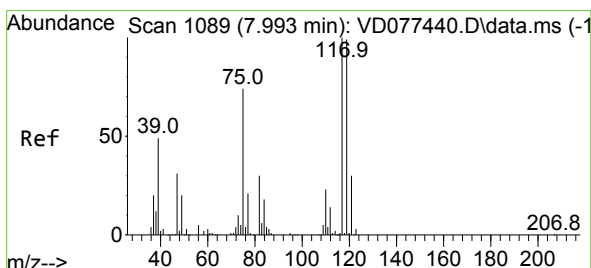
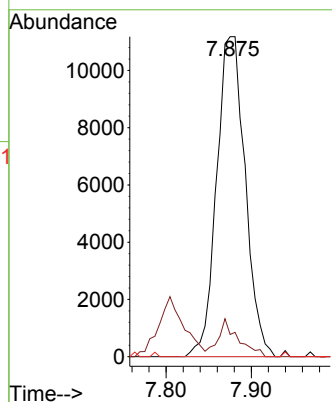
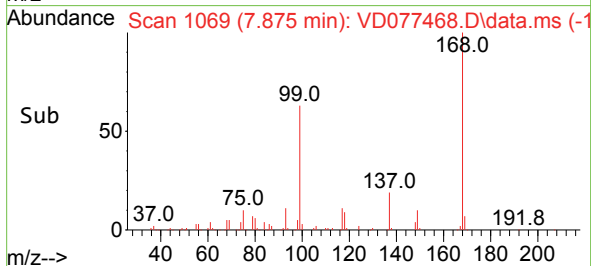
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 26040
Ion Ratio	Lower Upper
75	100
110	8.3 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.124 ug/l

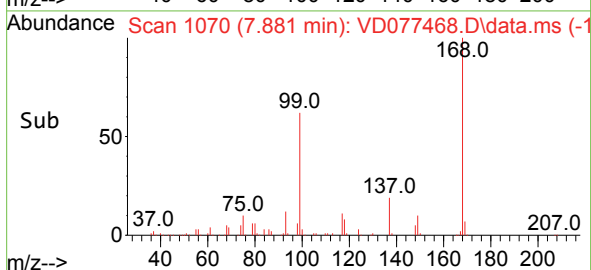
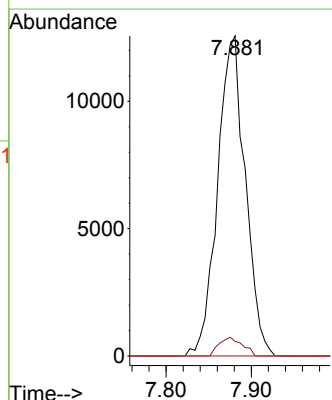
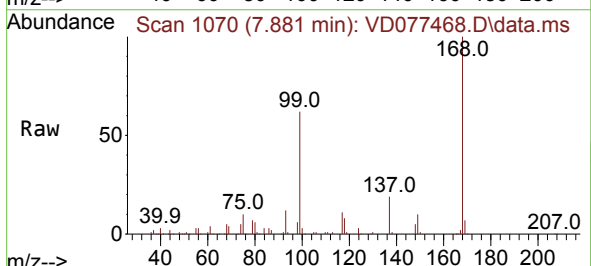
RT: 7.881 min Scan# 1070

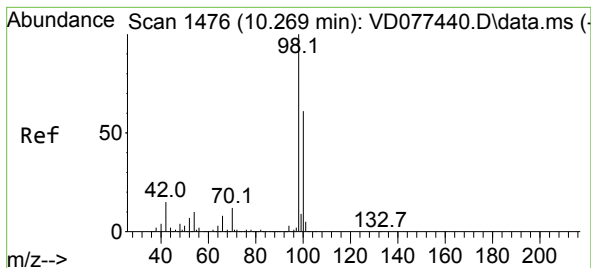
Delta R.T. -0.112 min

Lab File: VD077468.D

Acq: 31 Oct 2023 18:32

Tgt Ion: 117	Resp: 28379
Ion Ratio	Lower Upper
117	100
119	4.6 78.0 117.0#
121	0.0 24.2 36.2#

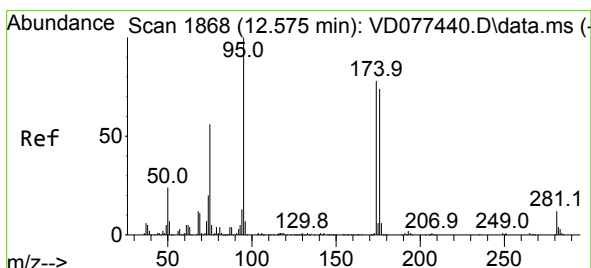
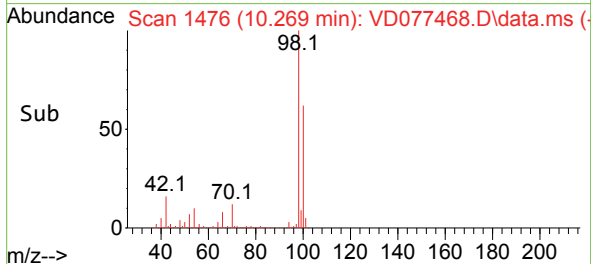
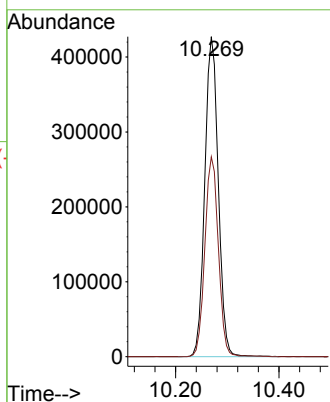
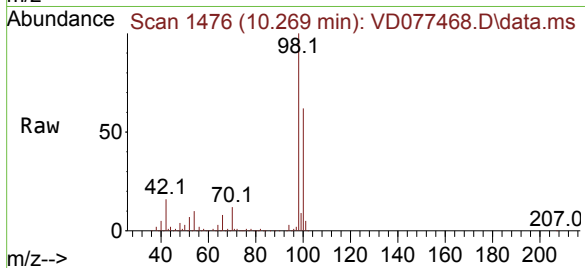




#50
Toluene-d8
Concen: 50.191 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077468.D
Acq: 31 Oct 2023 18:32

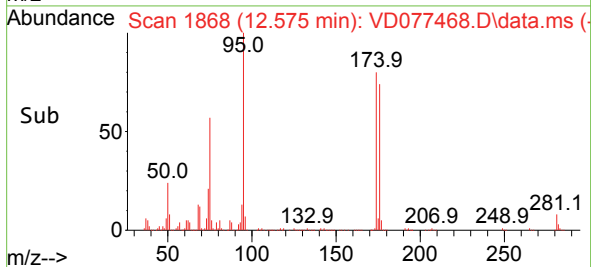
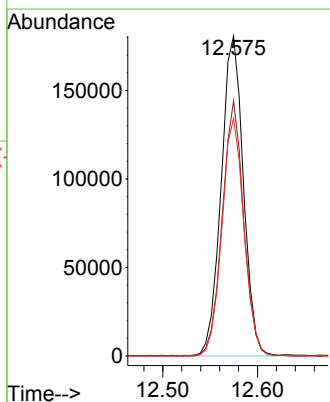
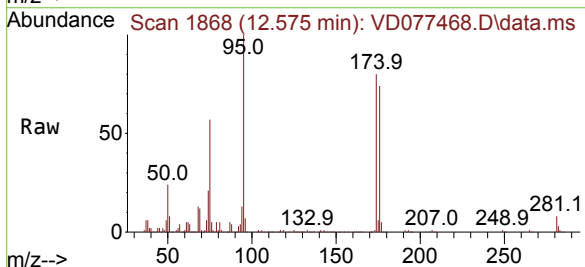
Instrument :
MSVOA_D
ClientSampleId :

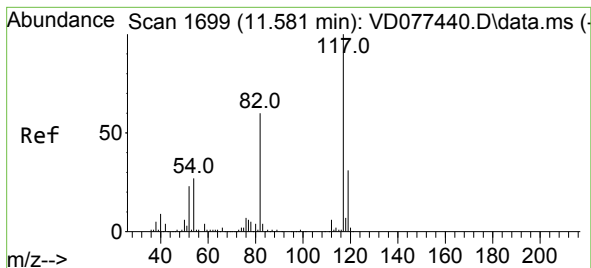
Tgt Ion: 98 Resp: 772807
Ion Ratio Lower Upper
98 100
100 62.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 56.738 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077468.D
Acq: 31 Oct 2023 18:32

Tgt Ion: 95 Resp: 294242
Ion Ratio Lower Upper
95 100
174 76.7 0.0 201.8
176 73.6 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

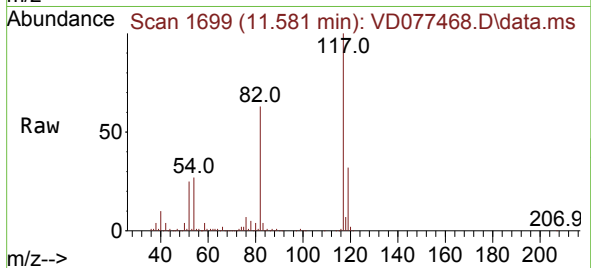
Lab File: VD077468.D

Acq: 31 Oct 2023 18:32

Instrument :

MSVOA_D

ClientSampleId :



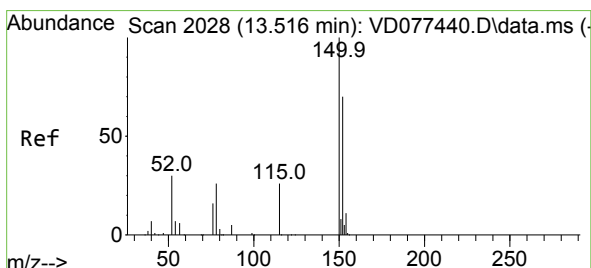
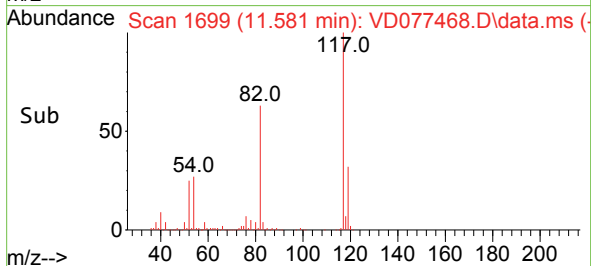
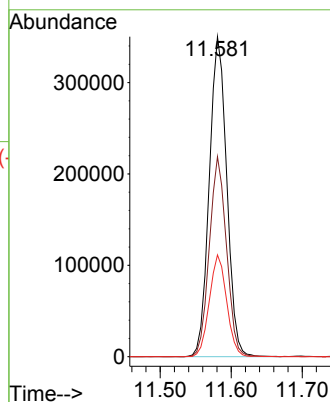
Tgt Ion:117 Resp: 597847

Ion Ratio Lower Upper

117 100

82 62.5 38.3 57.5#

119 31.8 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: VD077468.D

Acq: 31 Oct 2023 18:32

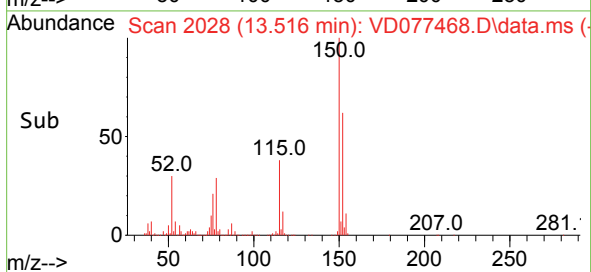
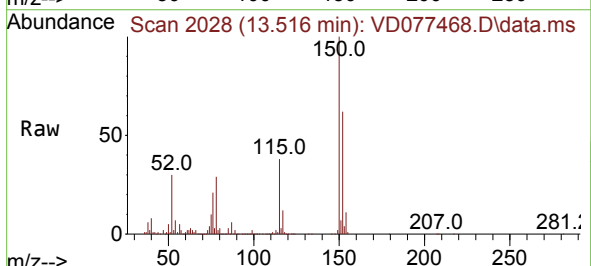
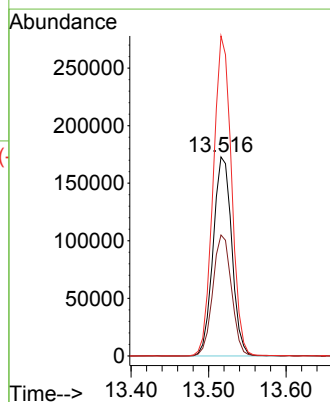
Tgt Ion:152 Resp: 288737

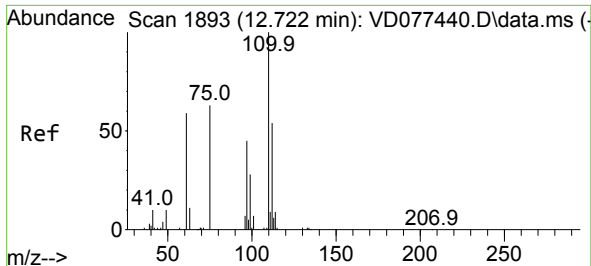
Ion Ratio Lower Upper

152 100

115 61.0 27.1 81.3

150 158.1 0.0 353.6

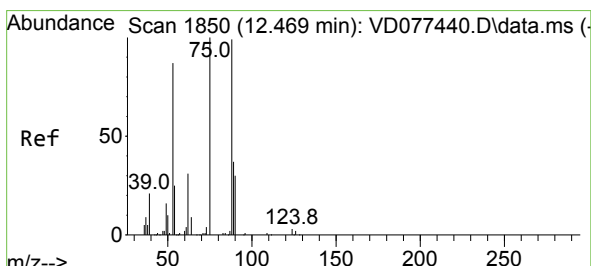
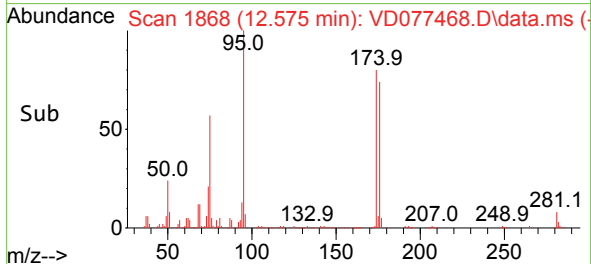
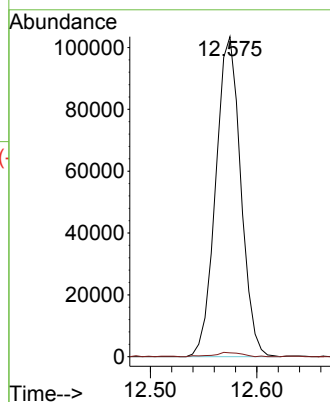
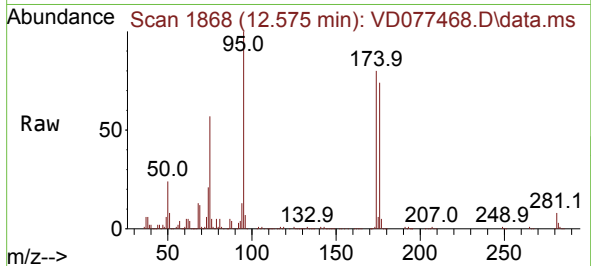




#76
1,2,3-Trichloropropane
Concen: 48.000 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077468.D
Acq: 31 Oct 2023 18:32

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 168680
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.717 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077468.D
Acq: 31 Oct 2023 18:32

Tgt Ion: 75 Resp: 168680
Ion Ratio Lower Upper
75 100
53 0.3 63.0 94.4#
89 0.1 37.9 56.9#

