

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110323\
 Data File : VD077501.D
 Acq On : 03 Nov 2023 18:11
 Operator : JC/SY
 Sample : 05257-11
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 04 05:16:33 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)

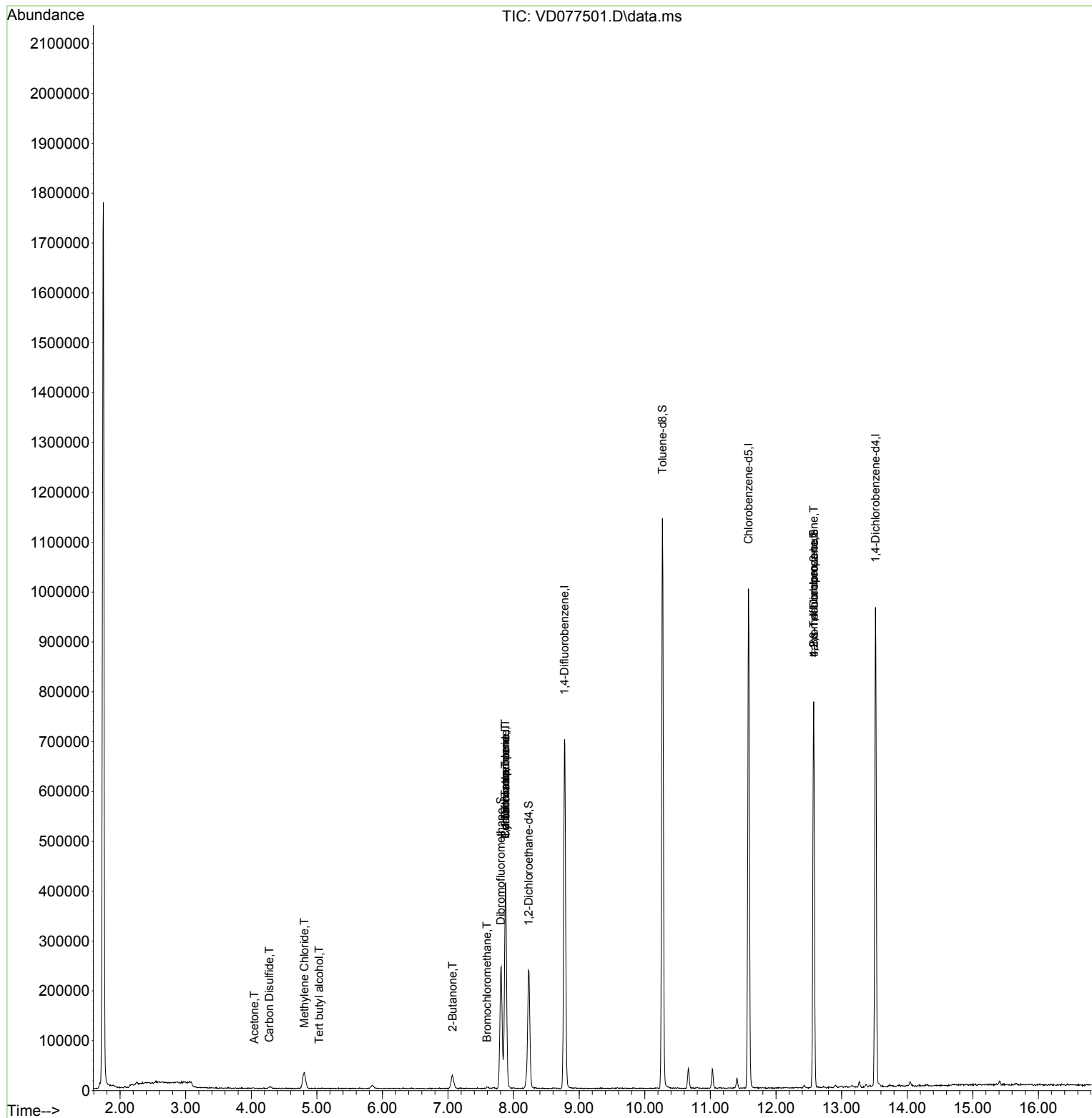
Internal Standards						
1) Pentafluorobenzene	7.875	168	296568	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	583121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	528856	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	242175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	183253	43.698	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.400%
35) Dibromofluoromethane	7.805	113	177502	44.042	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.080%
50) Toluene-d8	10.269	98	761809	48.663	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.575	95	232266	44.051	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.100%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.034	59	495	1.490	ug/l #	73
16) Acetone	4.046	43	3065	2.762	ug/l #	65
17) Carbon Disulfide	4.275	76	3042	4.064	ug/l #	86
20) Methylene Chloride	4.811	84	21523	2.881	ug/l #	68
25) 2-Butanone	7.069	43	1897	1.282	ug/l #	37
28) Bromochloromethane	7.593	49	150	2.146	ug/l #	1
31) Cyclohexane	7.875	56	8144	1.242	ug/l #	24
36) 1,1-Dichloropropene	7.875	75	27994	4.685	ug/l #	47
38) Carbon Tetrachloride	7.875	117	31526	5.599	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	133279	45.218	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	133279	87.344	ug/l #	17

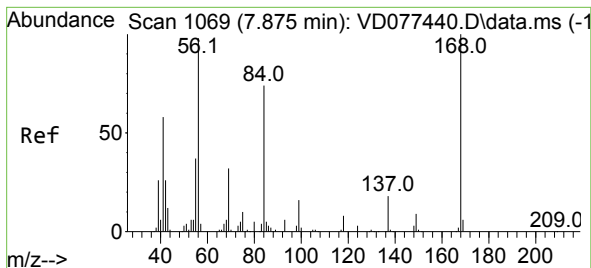
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1069

Delta R.T. 0.000 min

Lab File: VD077501.D

Acq: 03 Nov 2023 18:11

Instrument :

MSVOA_D

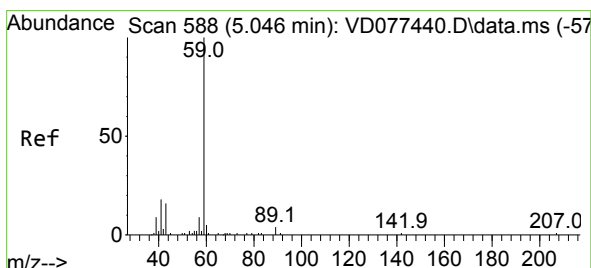
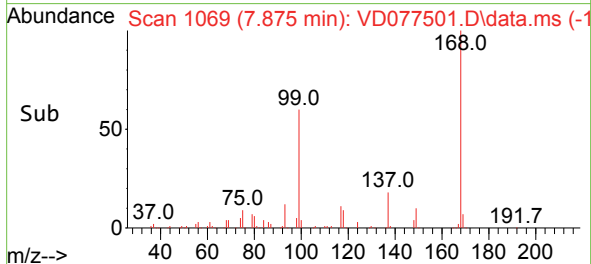
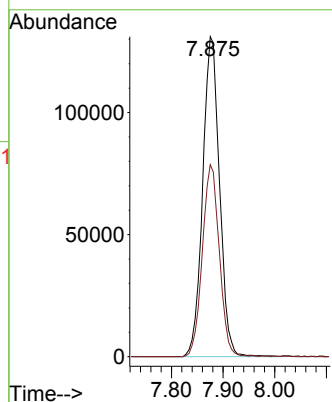
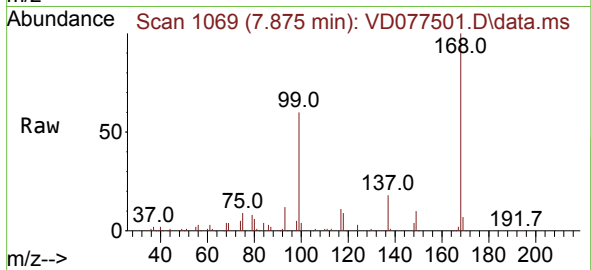
ClientSampleId :

Tgt Ion:168 Resp: 296568

Ion Ratio Lower Upper

168 100

99 60.0 36.7 55.1#



#11

Tert butyl alcohol

Concen: 1.490 ug/l

RT: 5.034 min Scan# 586

Delta R.T. -0.012 min

Lab File: VD077501.D

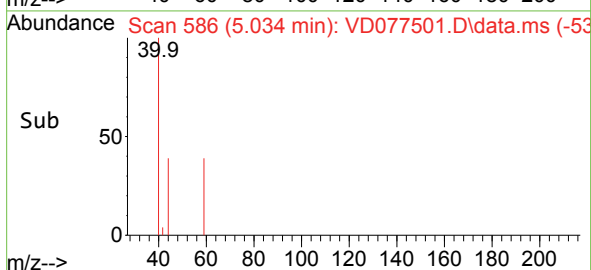
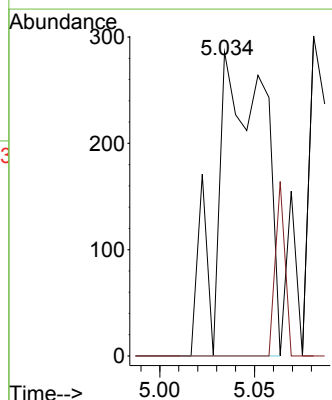
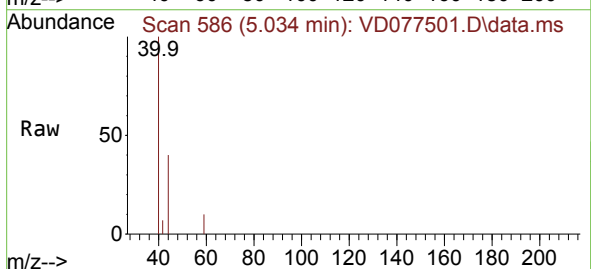
Acq: 03 Nov 2023 18:11

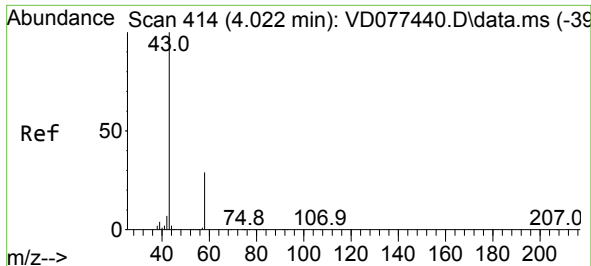
Tgt Ion: 59 Resp: 495

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

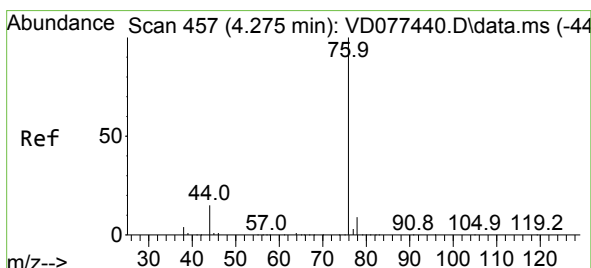
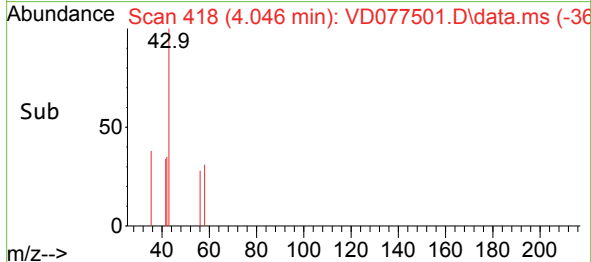
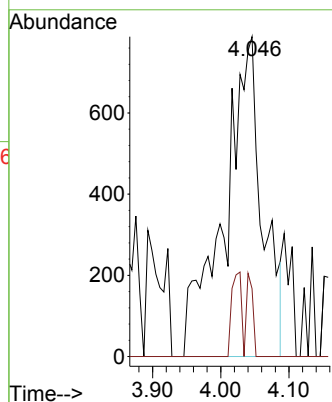
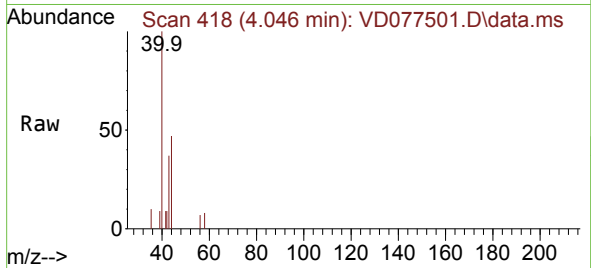




#16
Acetone
Concen: 2.762 ug/l
RT: 4.046 min Scan# 414
Delta R.T. 0.024 min
Lab File: VD077501.D
Acq: 03 Nov 2023 18:11

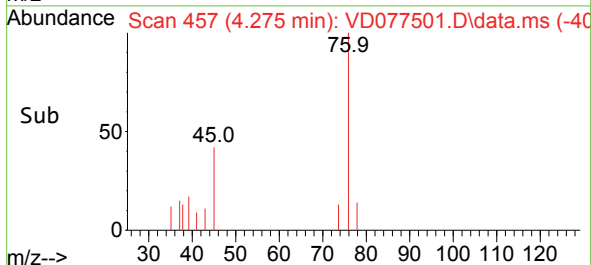
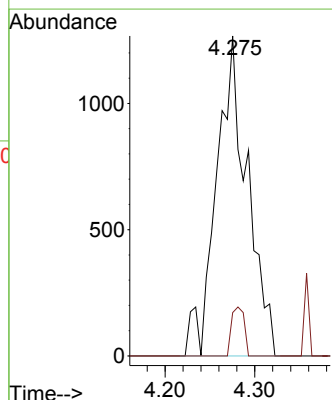
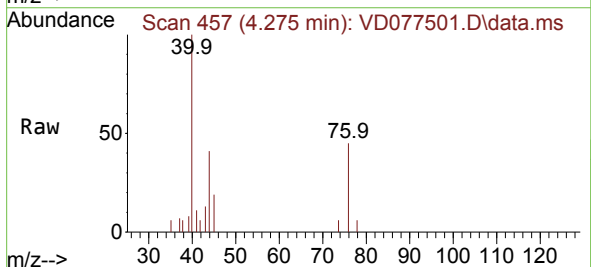
Instrument :
MSVOA_D
ClientSampleId :

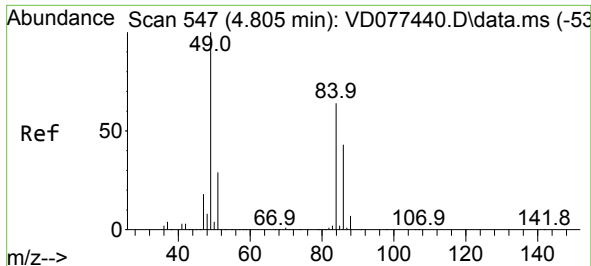
Tgt Ion: 43 Resp: 3065
Ion Ratio Lower Upper
43 100
58 21.2 34.7 52.1#



#17
Carbon Disulfide
Concen: 4.064 ug/l
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD077501.D
Acq: 03 Nov 2023 18:11

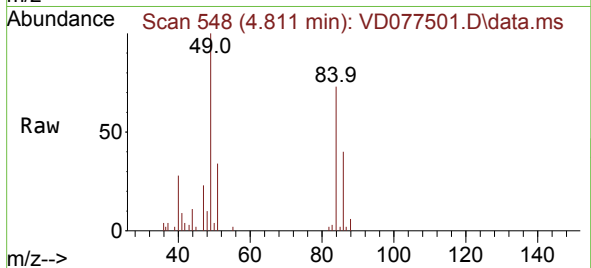
Tgt Ion: 76 Resp: 3042
Ion Ratio Lower Upper
76 100
78 13.6 6.8 10.2#



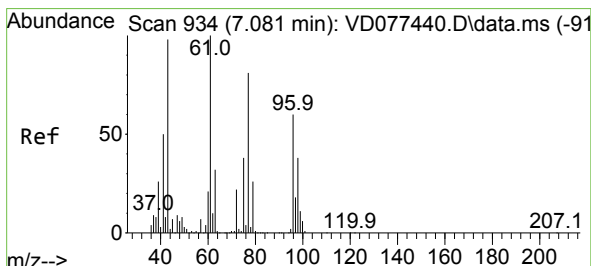
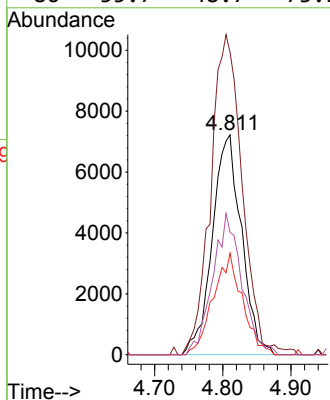
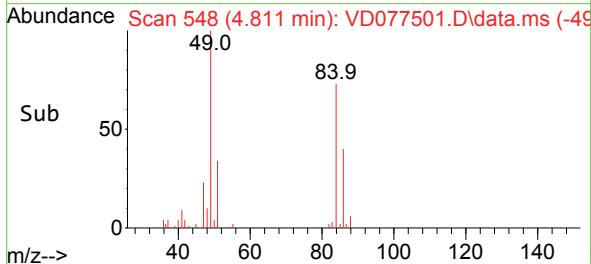


#20
Methylene Chloride
Concen: 2.881 ug/l
RT: 4.811 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD077501.D
Acq: 03 Nov 2023 18:11

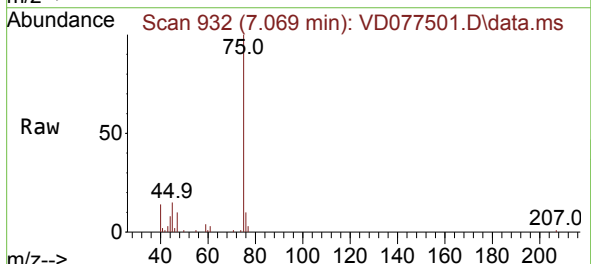
Instrument :
MSVOA_D
ClientSampleId :



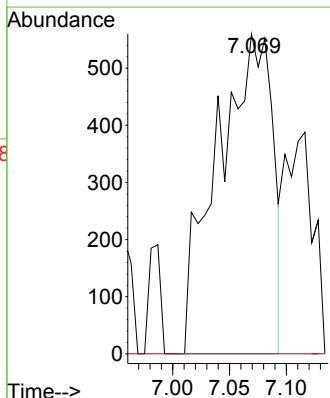
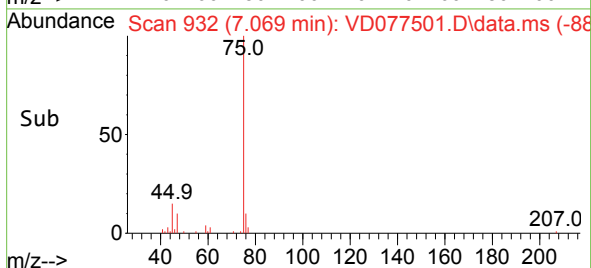
Tgt Ion: 84 Resp: 21523
Ion Ratio Lower Upper
84 100
49 137.4 71.4 107.2#
51 46.1 24.5 36.7#
86 55.7 48.7 73.1

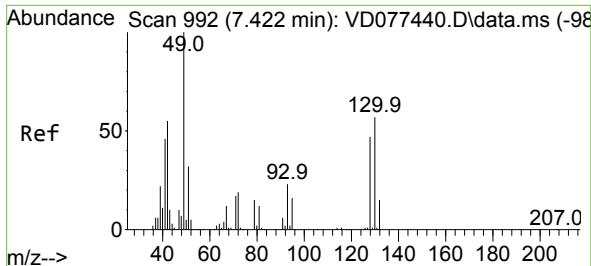


#25
2-Butanone
Concen: 1.282 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD077501.D
Acq: 03 Nov 2023 18:11



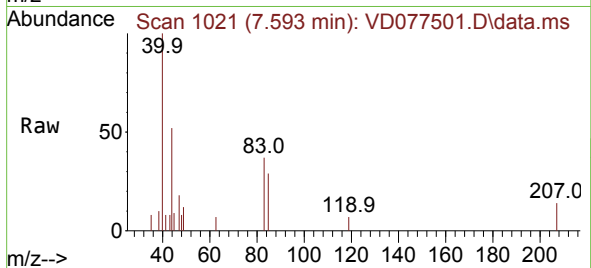
Tgt Ion: 43 Resp: 1897
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



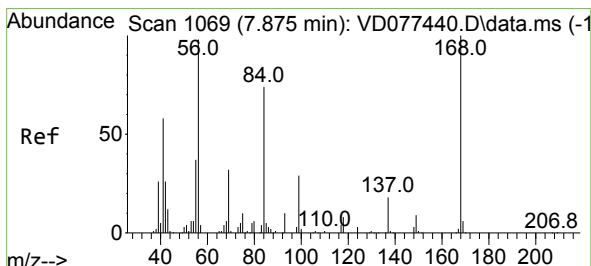
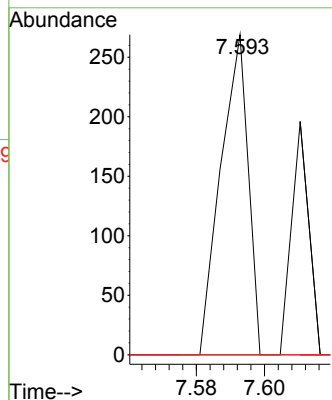
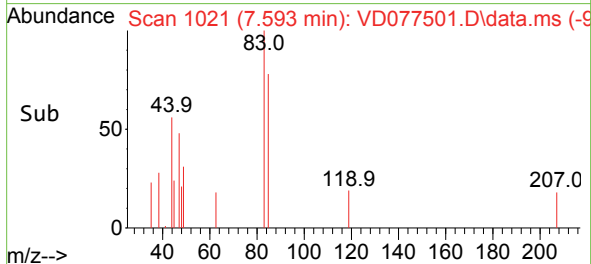


#28
Bromochloromethane
Concen: 2.146 ug/l
RT: 7.593 min Scan# 1021
Delta R.T. 0.171 min
Lab File: VD077501.D
Acq: 03 Nov 2023 18:11

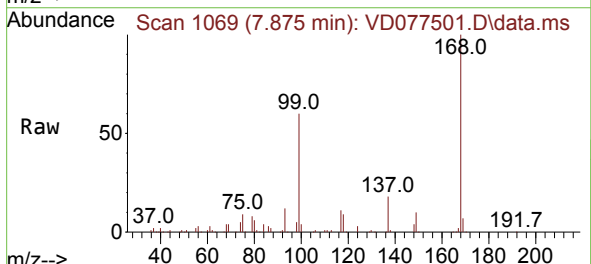
Instrument :
MSVOA_D
ClientSampleId :



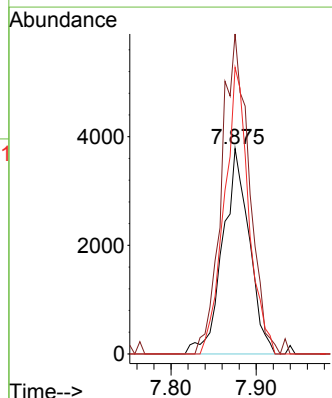
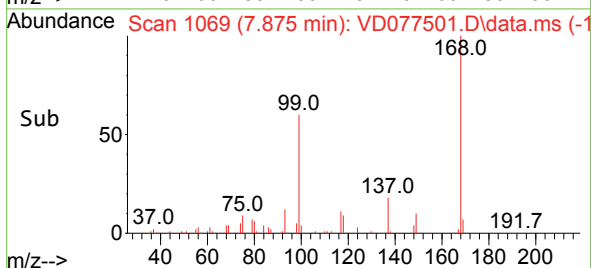
Tgt Ion: 49 Resp: 150
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#

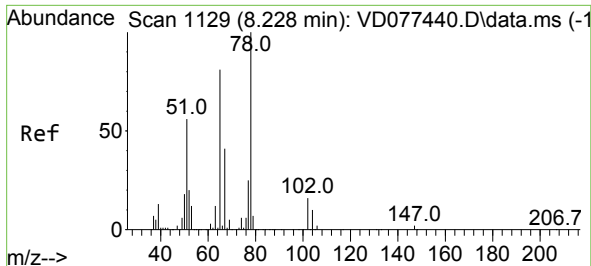


#31
Cyclohexane
Concen: 1.242 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077501.D
Acq: 03 Nov 2023 18:11



Tgt Ion: 56 Resp: 8144
Ion Ratio Lower Upper
56 100
69 155.8 28.6 43.0#
84 139.5 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 43.698 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077501.D

Acq: 03 Nov 2023 18:11

Instrument :

MSVOA_D

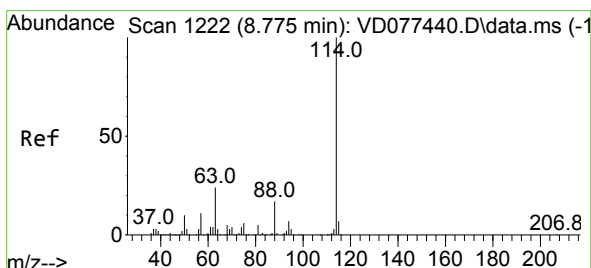
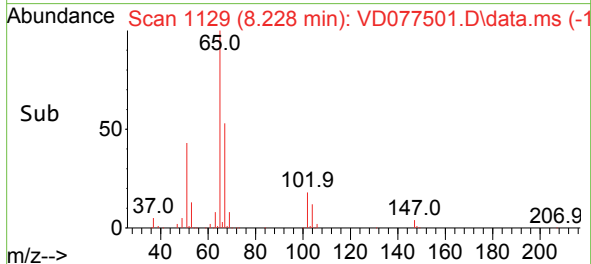
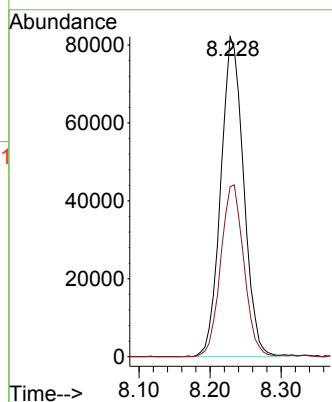
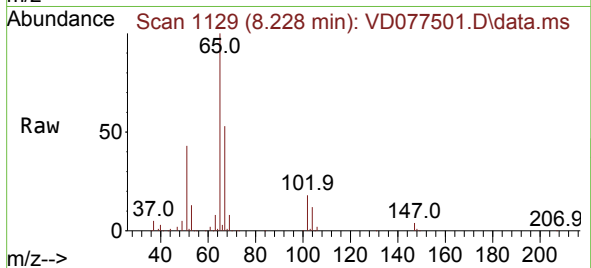
ClientSampleId :

Tgt Ion: 65 Resp: 183253

Ion Ratio Lower Upper

65 100

67 54.6 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: VD077501.D

Acq: 03 Nov 2023 18:11

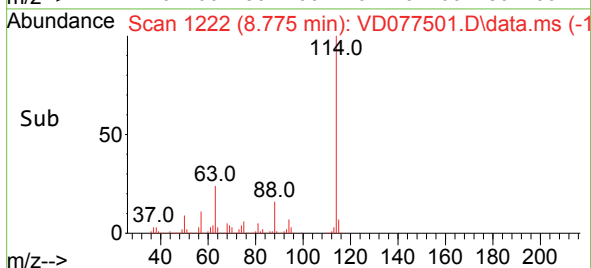
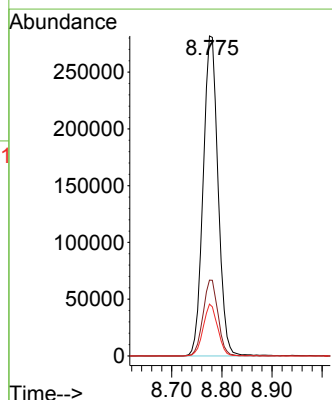
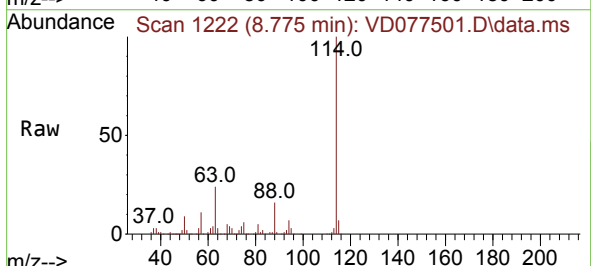
Tgt Ion: 114 Resp: 583121

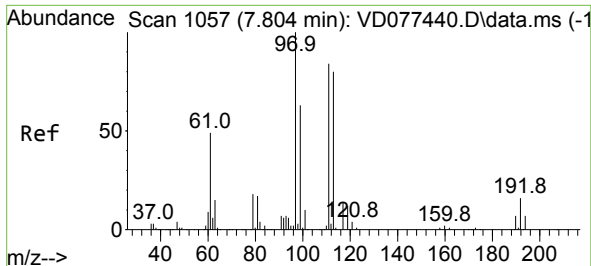
Ion Ratio Lower Upper

114 100

63 23.7 0.0 33.4

88 16.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 44.042 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

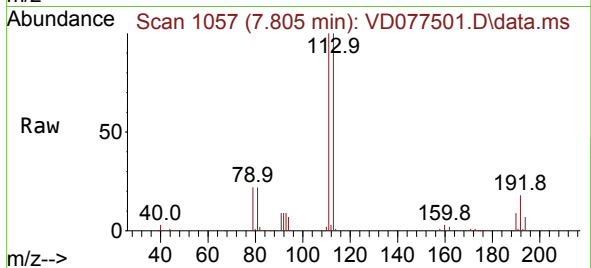
Lab File: VD077501.D

Acq: 03 Nov 2023 18:11

Instrument :

MSVOA_D

ClientSampleId :



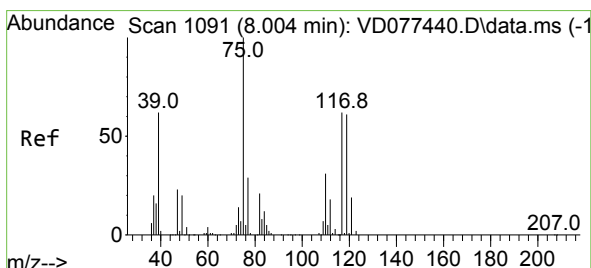
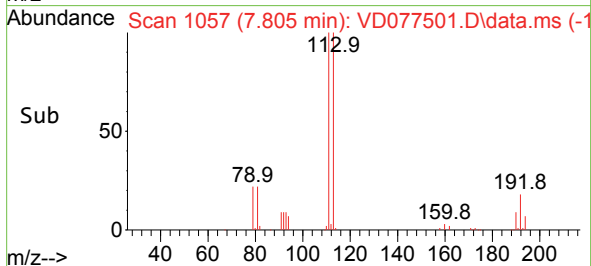
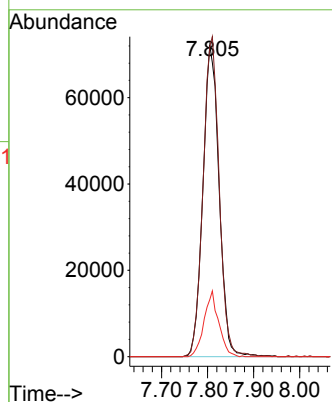
Tgt Ion:113 Resp: 177502

Ion Ratio Lower Upper

113 100

111 102.0 84.7 127.1

192 19.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.685 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD077501.D

Acq: 03 Nov 2023 18:11

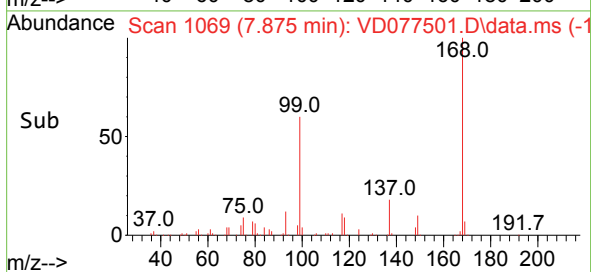
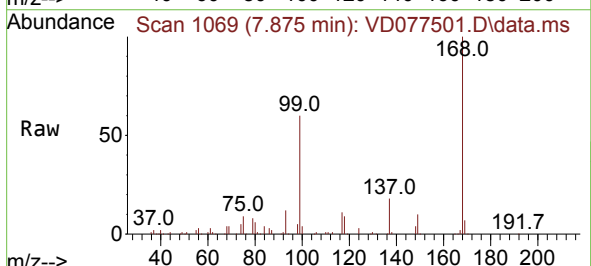
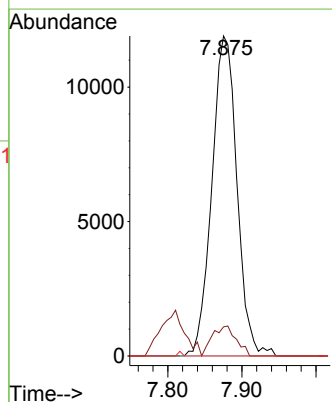
Tgt Ion: 75 Resp: 27994

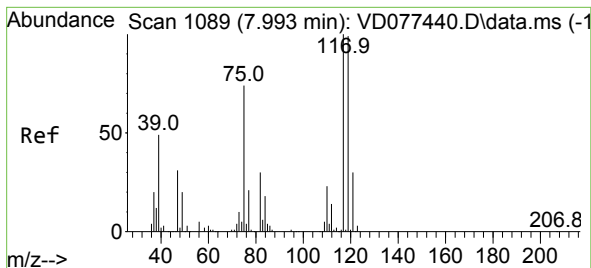
Ion Ratio Lower Upper

75 100

110 8.9 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.599 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

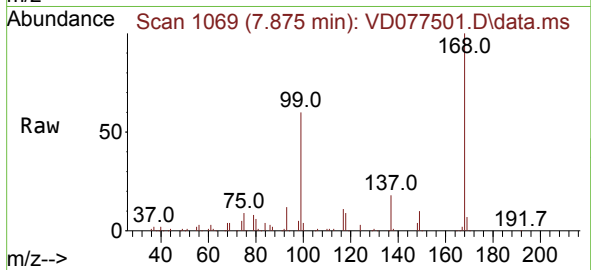
Lab File: VD077501.D

Acq: 03 Nov 2023 18:11

Instrument :

MSVOA_D

ClientSampleId :



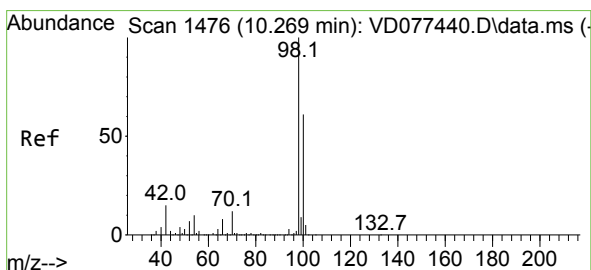
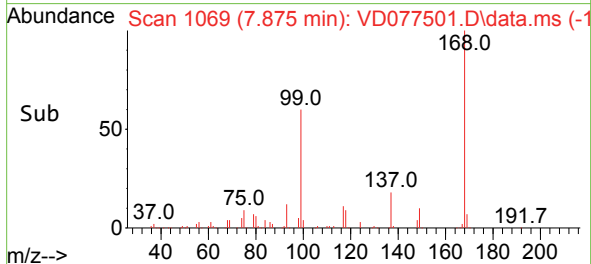
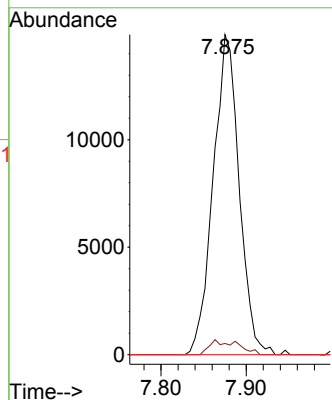
Tgt Ion:117 Resp: 31526

Ion Ratio Lower Upper

117 100

119 3.5 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 48.663 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077501.D

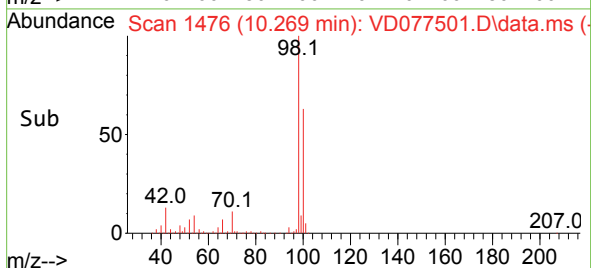
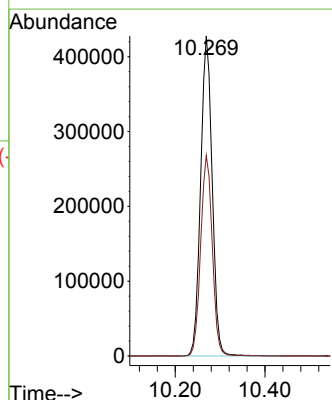
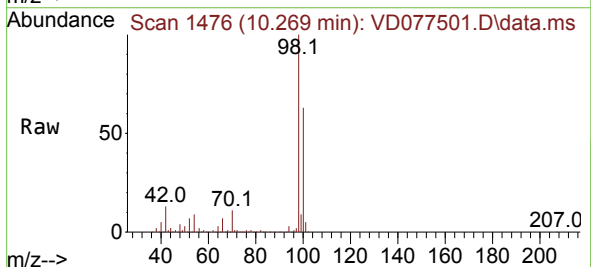
Acq: 03 Nov 2023 18:11

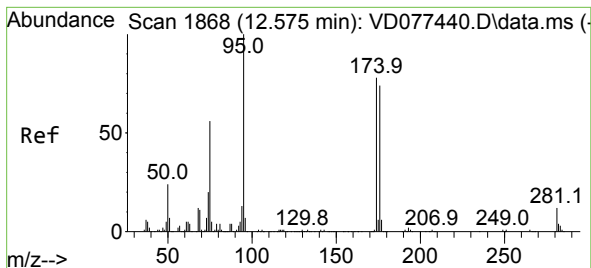
Tgt Ion: 98 Resp: 761809

Ion Ratio Lower Upper

98 100

100 63.1 50.3 75.5

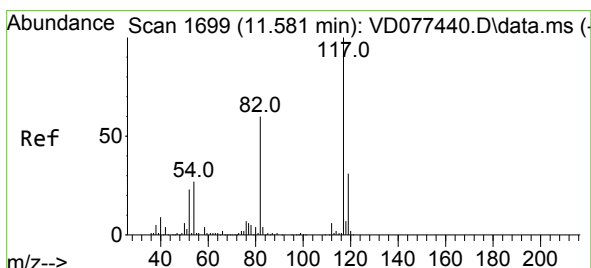
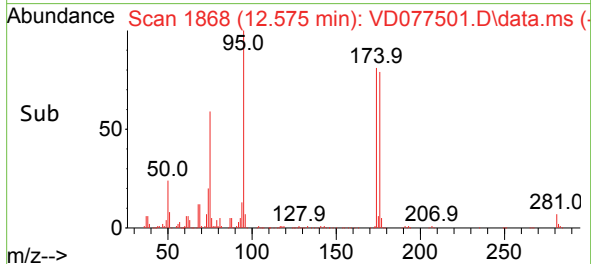
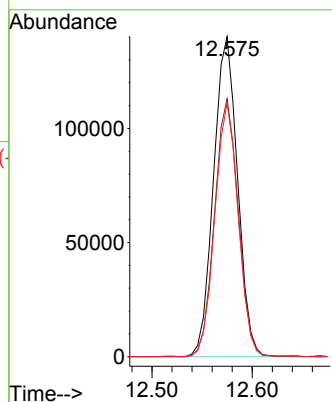
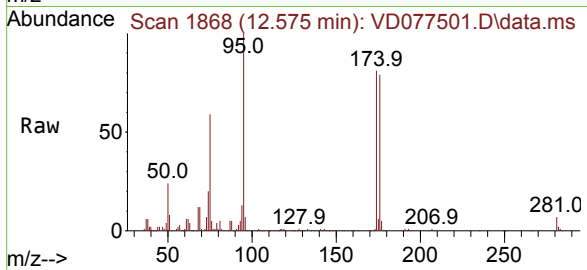




#62
4-Bromofluorobenzene
Concen: 44.051 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077501.D
Acq: 03 Nov 2023 18:11

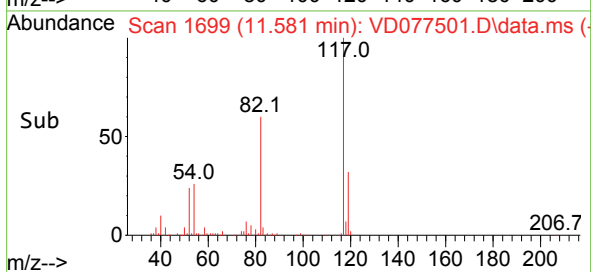
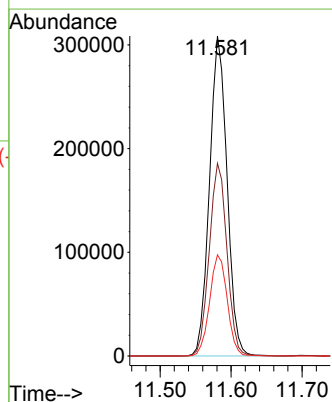
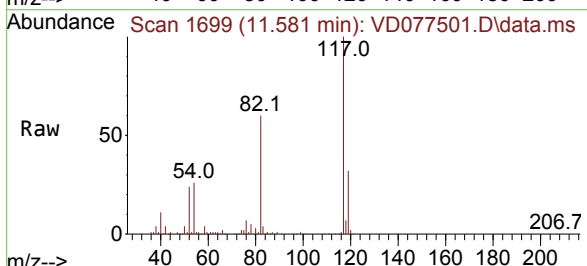
Instrument :
MSVOA_D
ClientSampleId :

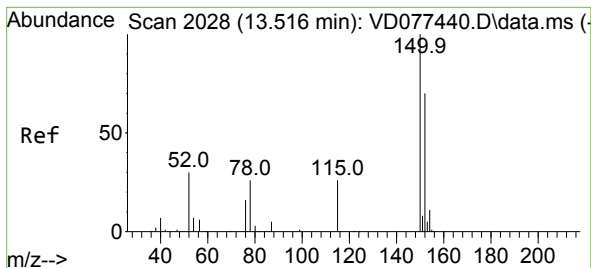
Tgt Ion: 95 Resp: 232266
Ion Ratio Lower Upper
95 100
174 79.8 0.0 201.8
176 77.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077501.D
Acq: 03 Nov 2023 18:11

Tgt Ion: 117 Resp: 528856
Ion Ratio Lower Upper
117 100
82 60.2 38.3 57.5#
119 31.6 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: VD077501.D

Acq: 03 Nov 2023 18:11

Instrument :

MSVOA_D

ClientSampleId :

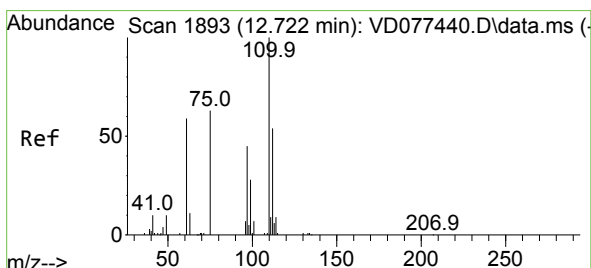
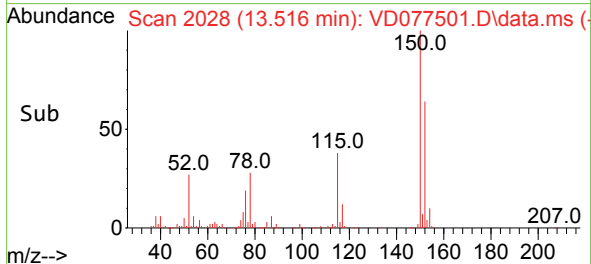
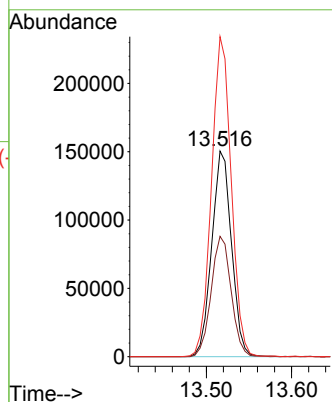
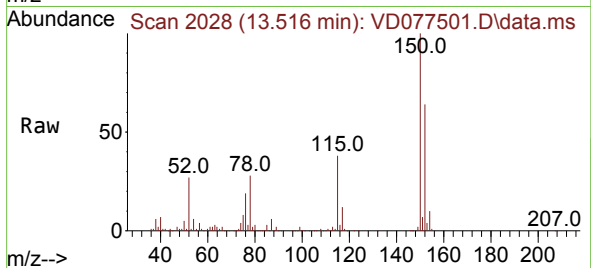
Tgt Ion:152 Resp: 242175

Ion Ratio Lower Upper

152 100

115 59.2 27.1 81.3

150 155.5 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 45.218 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077501.D

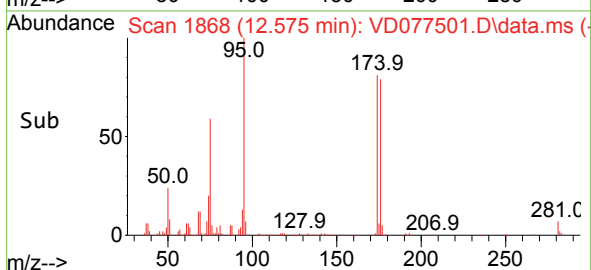
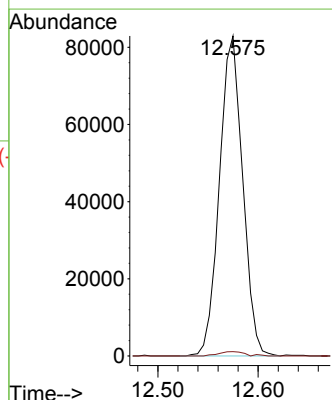
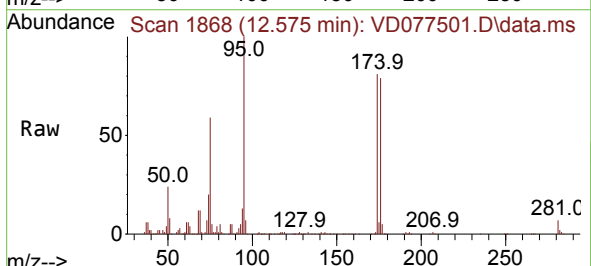
Acq: 03 Nov 2023 18:11

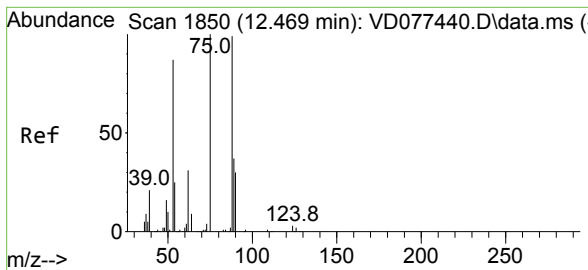
Tgt Ion: 75 Resp: 133279

Ion Ratio Lower Upper

75 100

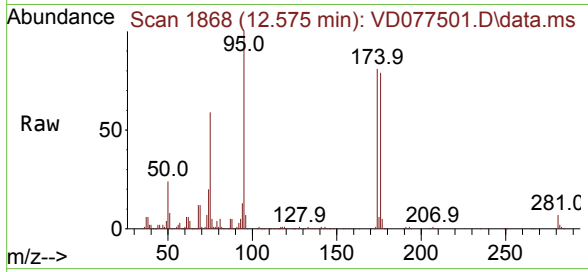
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.344 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077501.D
 Acq: 03 Nov 2023 18:11

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	133279
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.3	37.9	56.9#

