

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077861.D
 Acq On : 13 Dec 2023 14:44
 Operator : RP/MD
 Sample : 05699-01RE
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 01:52:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

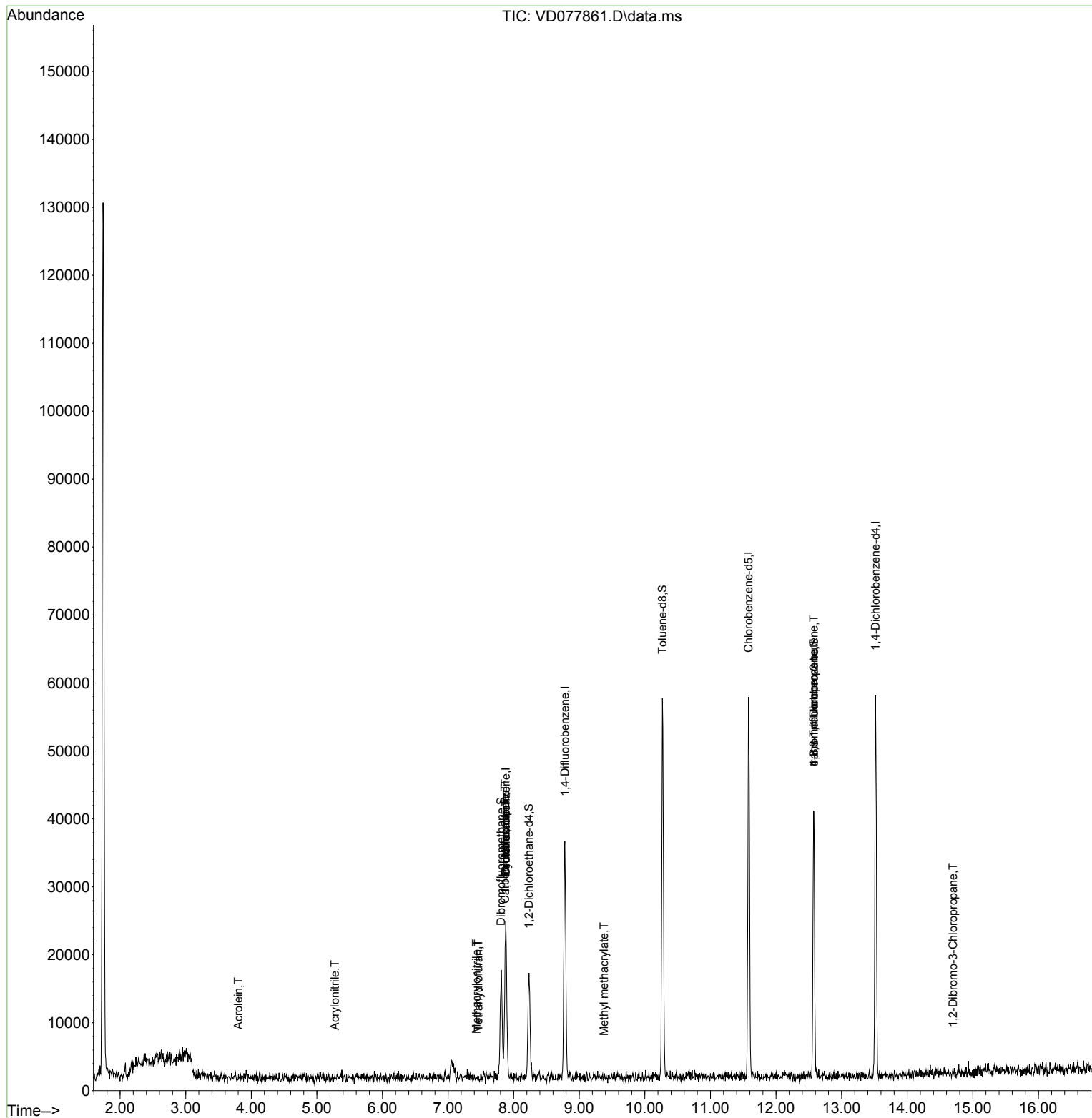
Internal Standards						
1) Pentafluorobenzene	7.881	168	17442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	30693	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	32498	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	14799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	11361	55.277	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.560%	
35) Dibromofluoromethane	7.810	113	11607	53.988	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.980%	
50) Toluene-d8	10.269	98	37940	44.061	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.120%	
62) 4-Bromofluorobenzene	12.575	95	11292	43.863	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.720%	
Target Compounds						
					Qvalue	
13) Acrolein	3.804	56	62	2.852	ug/l #	15
15) Acrylonitrile	5.275	53	68	1.523	ug/l #	3
16) Acetone	4.028	43	163	Below Cal	#	32
20) Methylene Chloride	4.804	84	152	Below Cal	#	27
25) 2-Butanone	7.051	43	132	Below Cal	#	37
29) Tetrahydrofuran	7.463	42	127	3.880	ug/l #	23
31) Cyclohexane	7.881	56	533	1.458	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	1544	4.490	ug/l #	39
38) Carbon Tetrachloride	7.869	117	1207	3.521	ug/l #	11
41) Methacrylonitrile	7.434	41	127	1.863	ug/l #	1
48) Methyl methacrylate	9.375	41	243	1.793	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	6419	49.942	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	6419	101.185	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.698	75	61	1.196	ug/l #	1

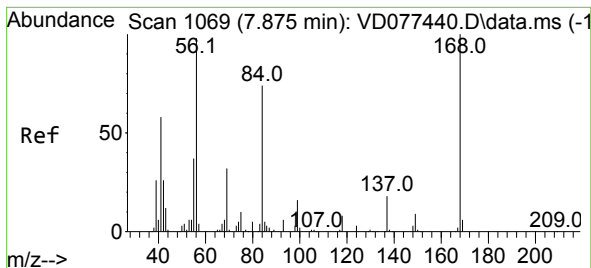
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 08 13:33:18 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD077861.D

Acq: 13 Dec 2023 14:44

Instrument :

MSVOA_D

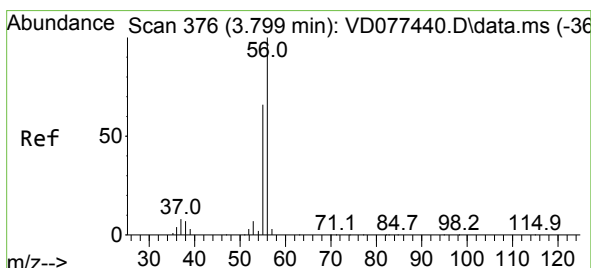
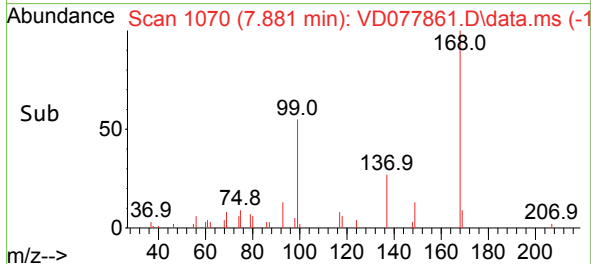
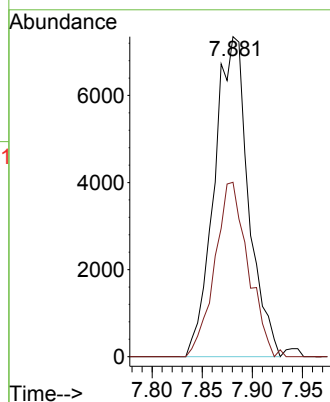
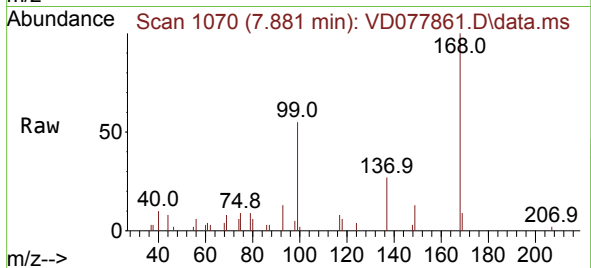
ClientSampleId :

Tgt Ion:168 Resp: 17442

Ion Ratio Lower Upper

168 100

99 54.5 36.7 55.1



#13

Acrolein

Concen: 2.852 ug/l

RT: 3.804 min Scan# 377

Delta R.T. 0.005 min

Lab File: VD077861.D

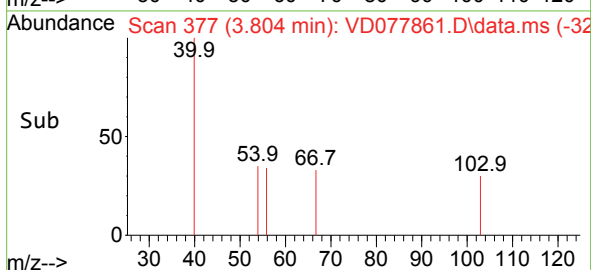
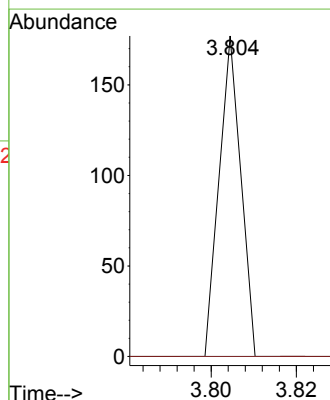
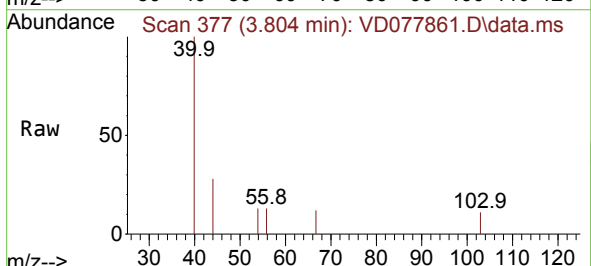
Acq: 13 Dec 2023 14:44

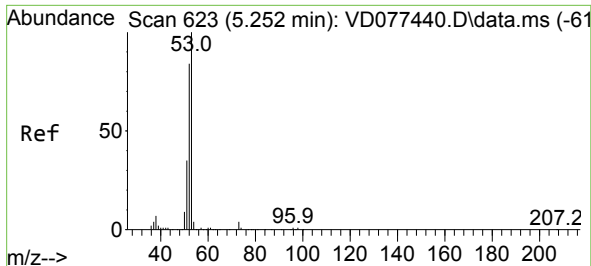
Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

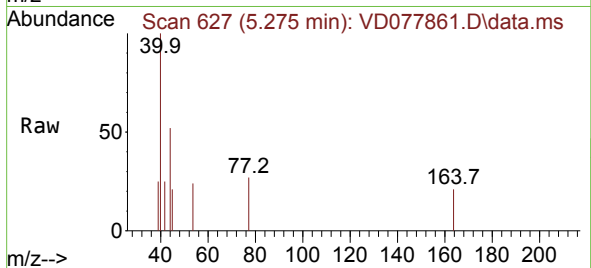
55 0.0 55.1 82.7#



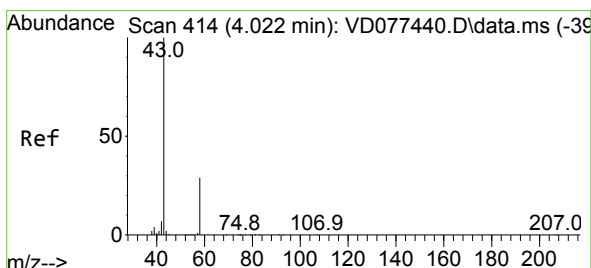
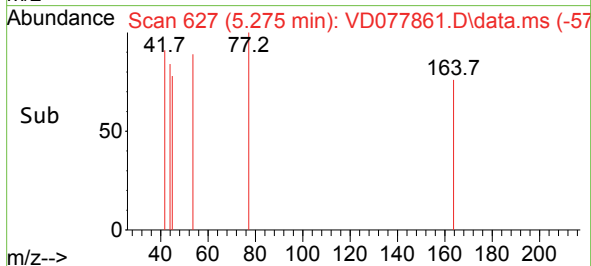
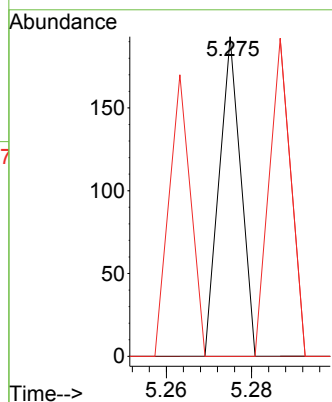


#15
Acrylonitrile
Concen: 1.523 ug/l
RT: 5.275 min Scan# 61
Delta R.T. 0.023 min
Lab File: VD077861.D
Acq: 13 Dec 2023 14:44

Instrument :
MSVOA_D
ClientSampleId :

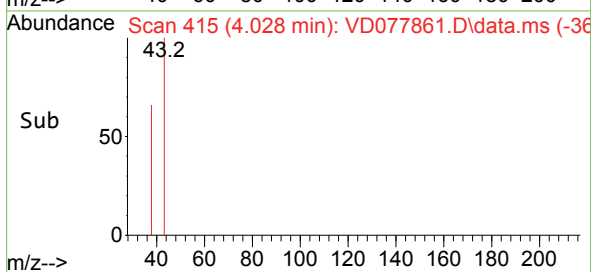
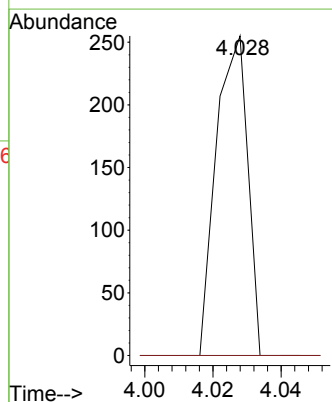
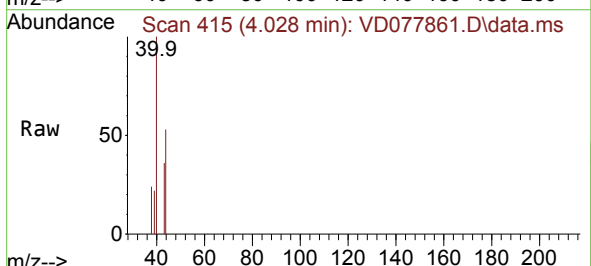


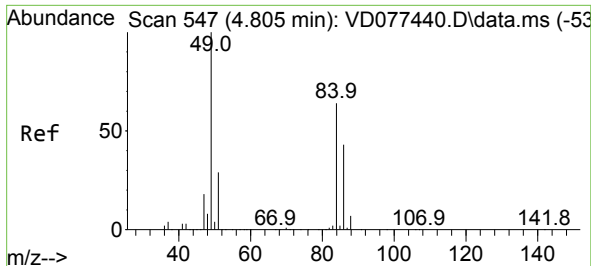
Tgt Ion: 53 Resp: 68
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 100.0 28.3 42.5#



#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077861.D
Acq: 13 Dec 2023 14:44

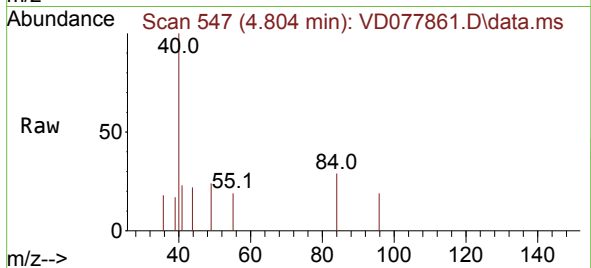
Tgt Ion: 43 Resp: 163
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



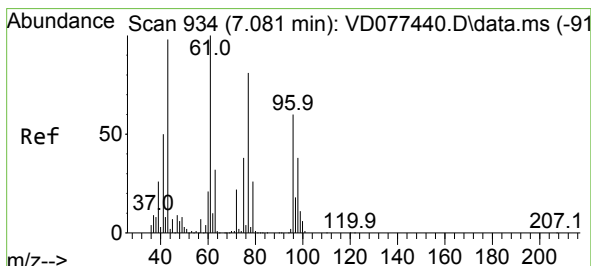
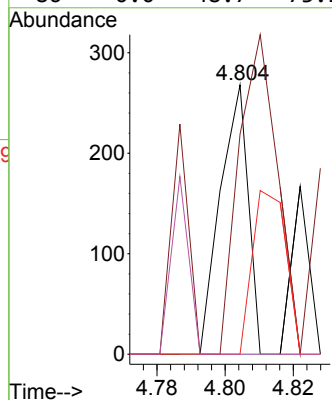


#20
Methylene Chloride
Concen: Below Cal
RT: 4.804 min Scan# 54
Delta R.T. -0.001 min
Lab File: VD077861.D
Acq: 13 Dec 2023 14:44

Instrument :
MSVOA_D
ClientSampleId :

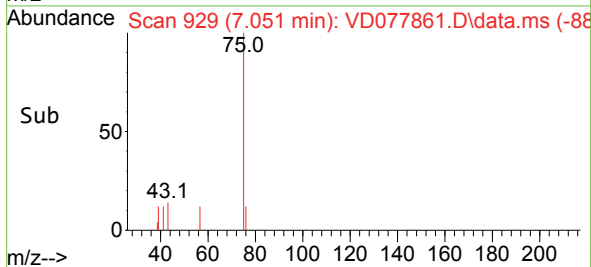
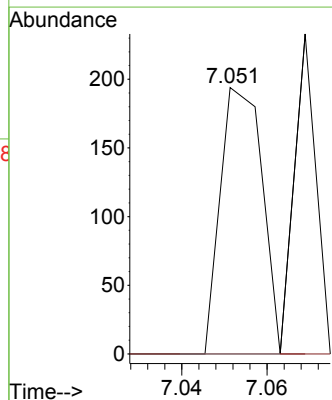
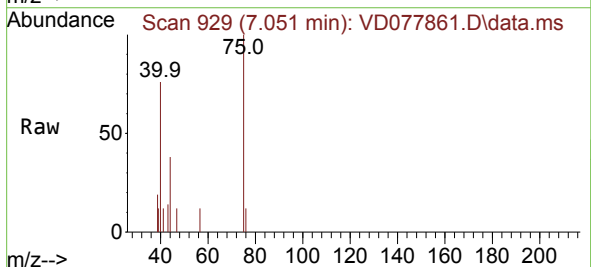


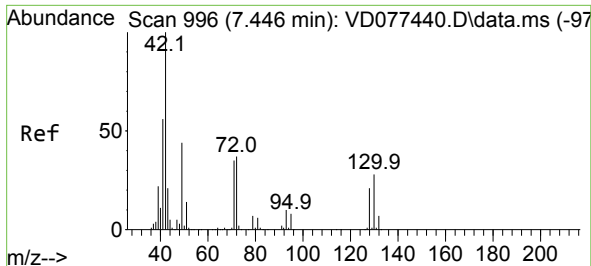
Tgt Ion:	84	Resp:	152
Ion	Ratio	Lower	Upper
84	100		
49	19.8	71.4	107.2#
51	0.0	24.5	36.7#
86	0.0	48.7	73.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.051 min Scan# 929
Delta R.T. -0.030 min
Lab File: VD077861.D
Acq: 13 Dec 2023 14:44

Tgt Ion:	43	Resp:	132
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#





#29

Tetrahydrofuran

Concen: 3.880 ug/l

RT: 7.463 min Scan# 996

Delta R.T. 0.017 min

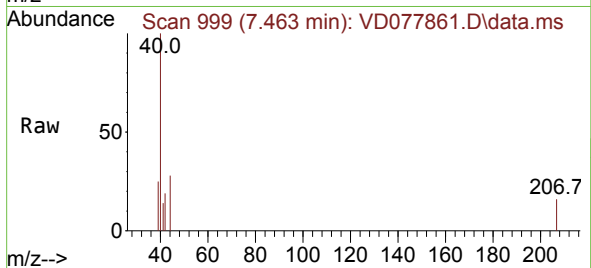
Lab File: VD077861.D

Acq: 13 Dec 2023 14:44

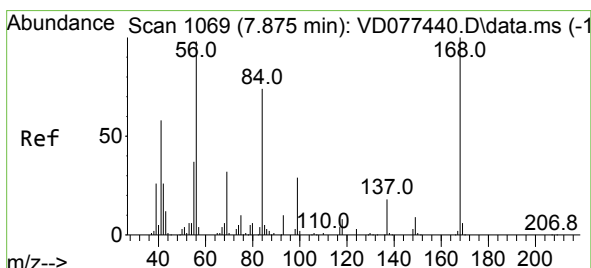
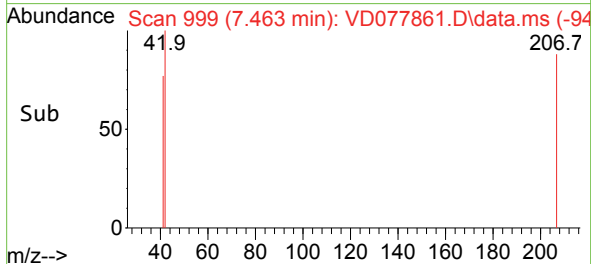
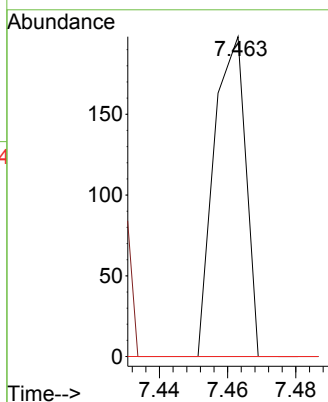
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	127
Ion	Ratio	Lower	Upper
42	100		
72	0.0	46.5	69.7#
71	0.0	44.5	66.7#



#31

Cyclohexane

Concen: 1.458 ug/l

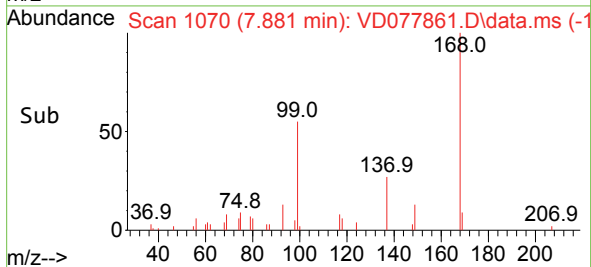
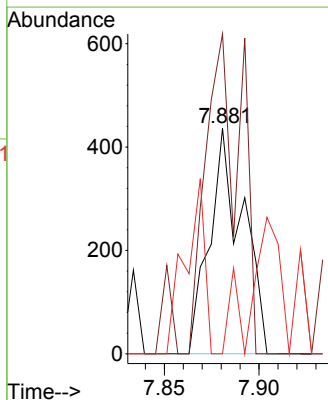
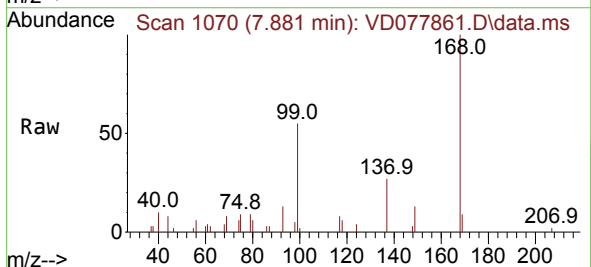
RT: 7.881 min Scan# 1070

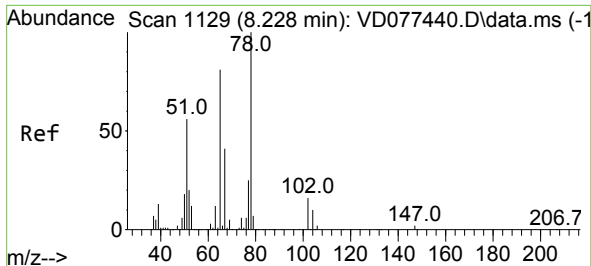
Delta R.T. 0.006 min

Lab File: VD077861.D

Acq: 13 Dec 2023 14:44

Tgt Ion:	56	Resp:	533
Ion	Ratio	Lower	Upper
56	100		
69	141.6	28.6	43.0#
84	0.0	84.8	127.2#





#33

1,2-Dichloroethane-d4

Concen: 55.277 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

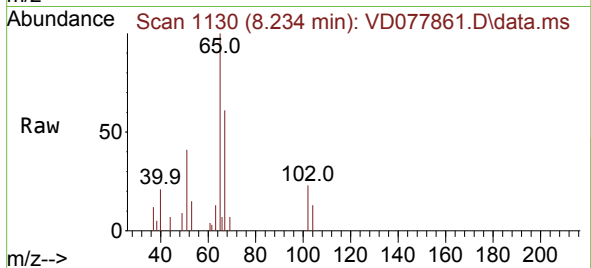
Lab File: VD077861.D

Acq: 13 Dec 2023 14:44

Instrument :

MSVOA_D

ClientSampleId :

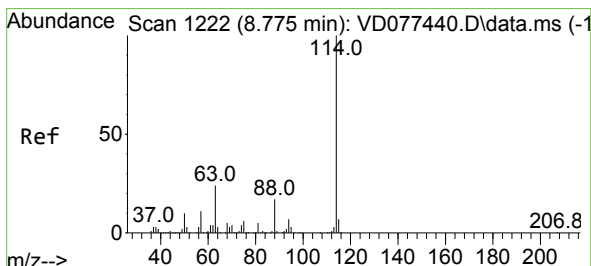
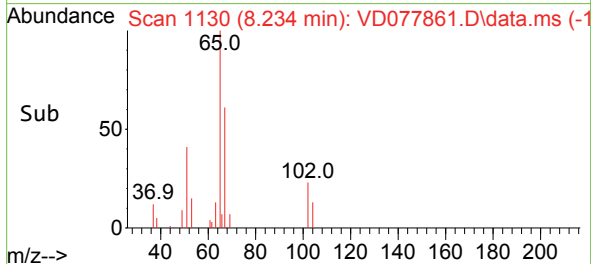
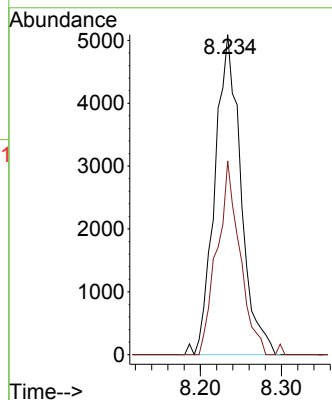


Tgt Ion: 65 Resp: 11361

Ion Ratio Lower Upper

65 100

67 52.9 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: VD077861.D

Acq: 13 Dec 2023 14:44

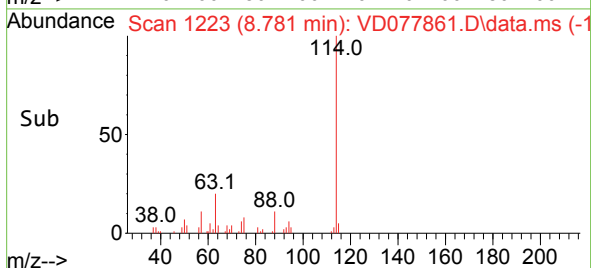
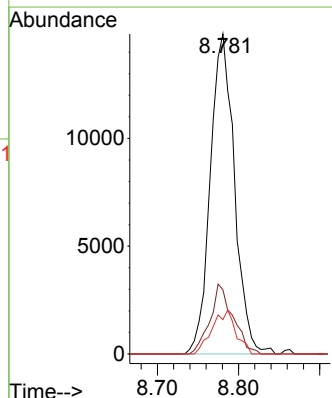
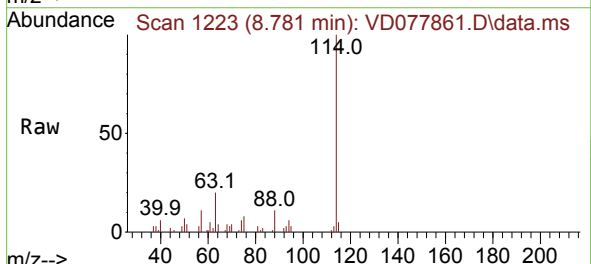
Tgt Ion: 114 Resp: 30693

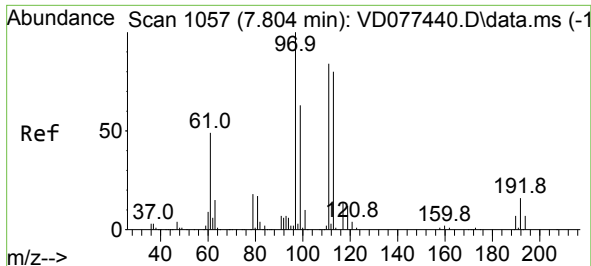
Ion Ratio Lower Upper

114 100

63 20.1 0.0 33.4

88 10.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 53.988 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

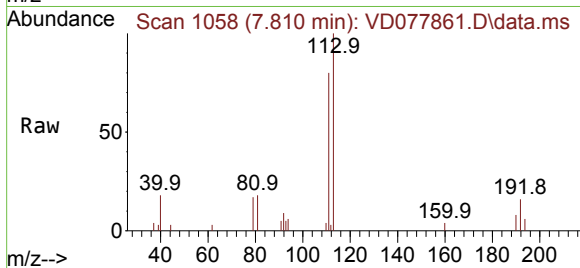
Lab File: VD077861.D

Acq: 13 Dec 2023 14:44

Instrument :

MSVOA_D

ClientSampleId :



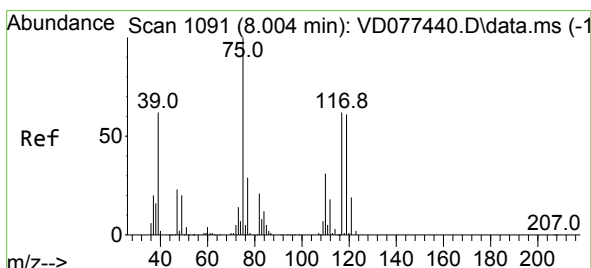
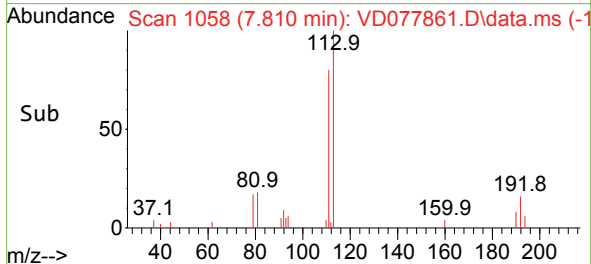
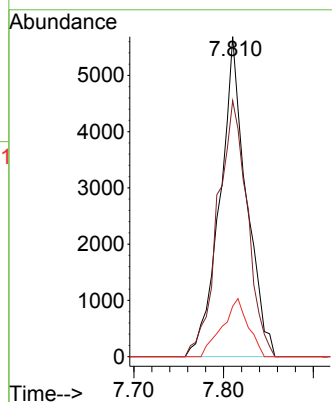
Tgt Ion:113 Resp: 11607

Ion Ratio Lower Upper

113 100

111 89.7 84.7 127.1

192 17.8 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.490 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD077861.D

Acq: 13 Dec 2023 14:44

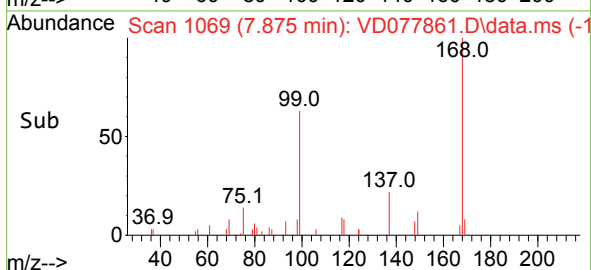
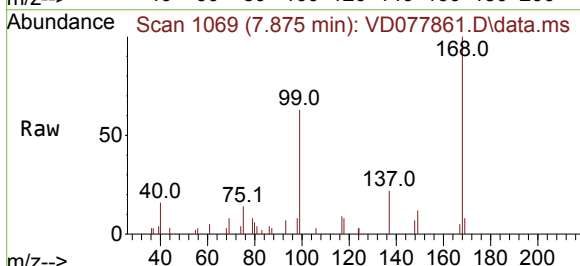
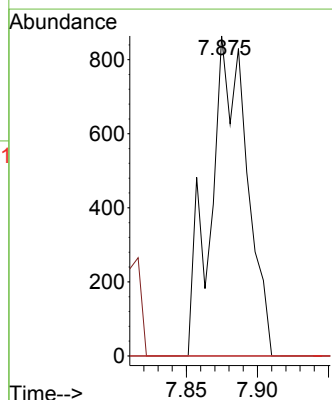
Tgt Ion: 75 Resp: 1544

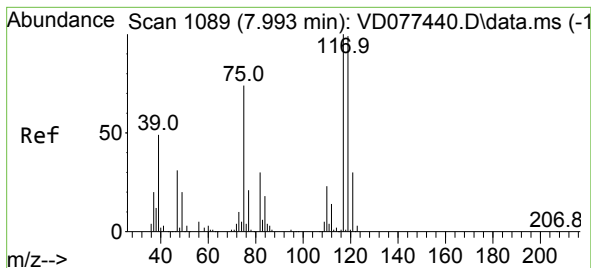
Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 3.521 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

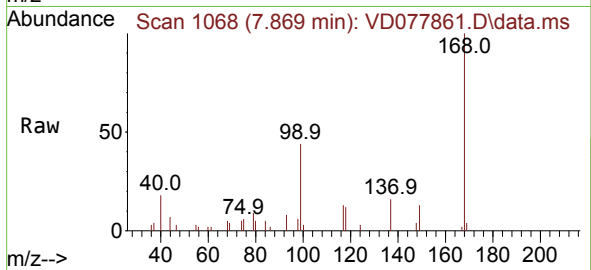
Lab File: VD077861.D

Acq: 13 Dec 2023 14:44

Instrument :

MSVOA_D

ClientSampleId :



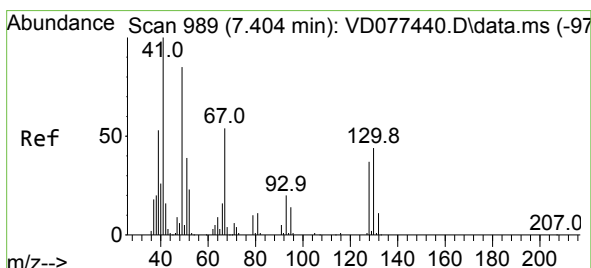
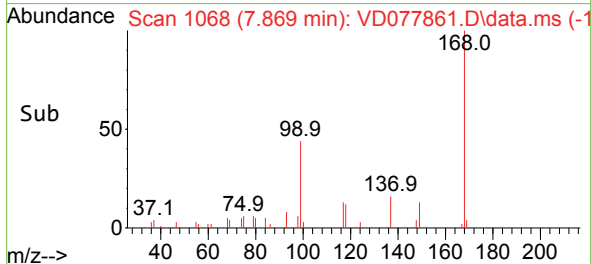
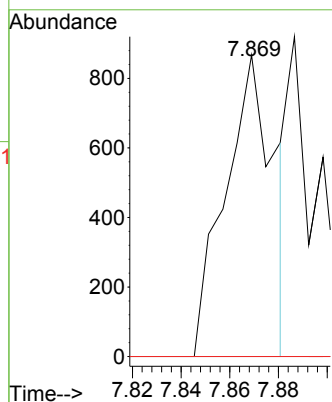
Tgt Ion:117 Resp: 1207

Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#



#41

Methacrylonitrile

Concen: 1.863 ug/l

RT: 7.434 min Scan# 994

Delta R.T. 0.030 min

Lab File: VD077861.D

Acq: 13 Dec 2023 14:44

Tgt Ion: 41 Resp: 127

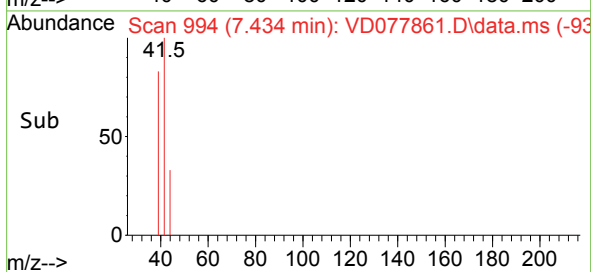
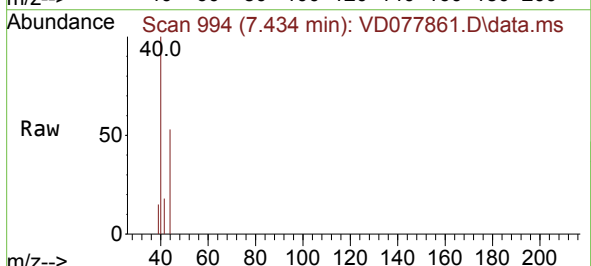
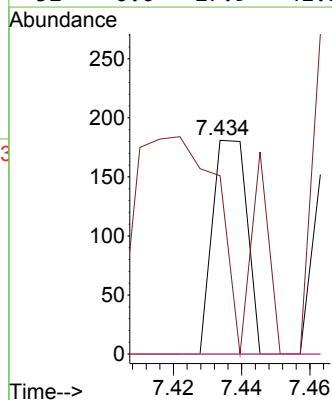
Ion Ratio Lower Upper

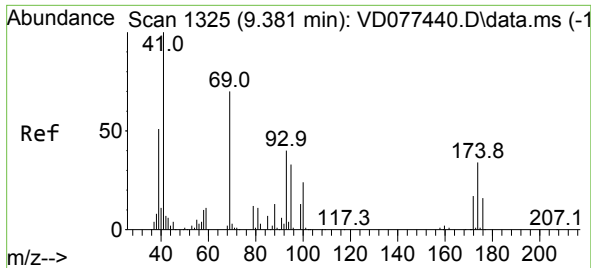
41 100

39 236.2 34.0 51.0#

67 0.0 77.0 115.4#

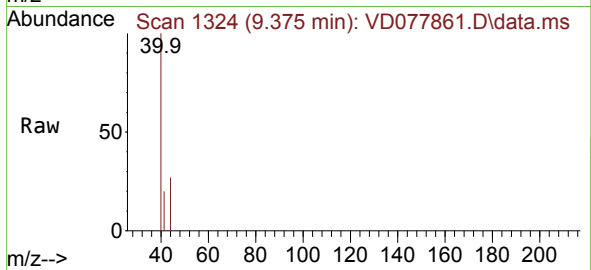
52 0.0 27.9 41.9#



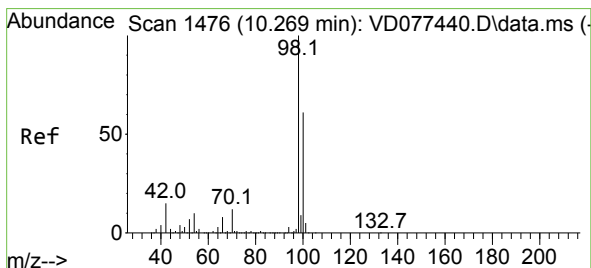
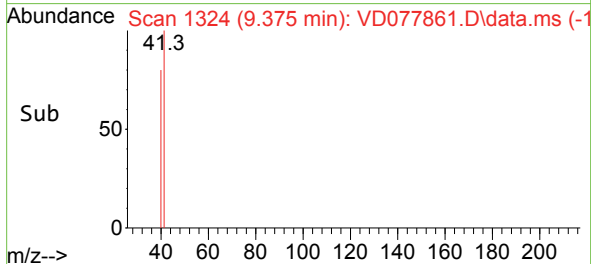
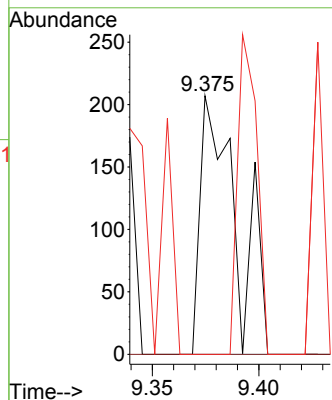


#48
Methyl methacrylate
Concen: 1.793 ug/l
RT: 9.375 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD077861.D
Acq: 13 Dec 2023 14:44

Instrument :
MSVOA_D
ClientSampleId :

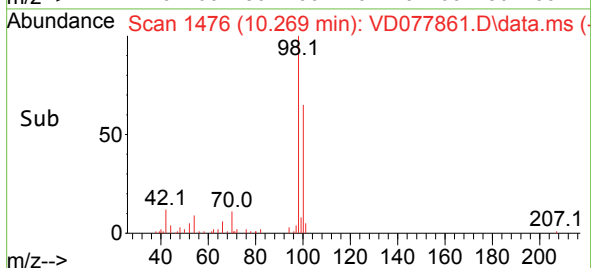
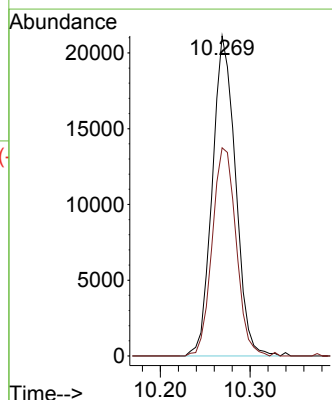
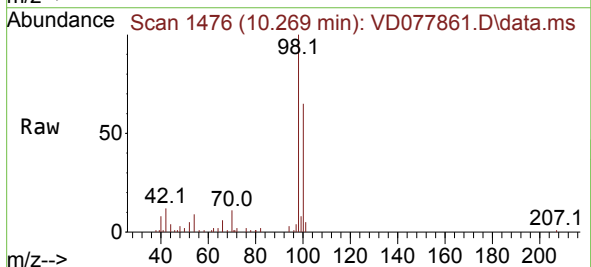


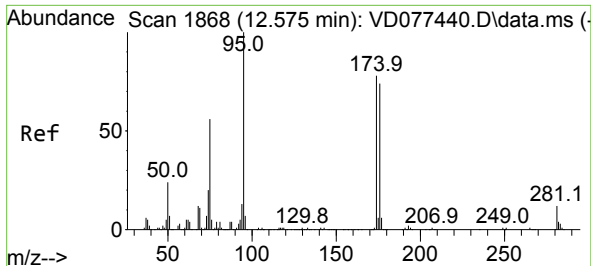
Tgt Ion: 41 Resp: 243
Ion Ratio Lower Upper
41 100
69 0.0 102.2 153.2#
39 66.7 41.4 62.2#



#50
Toluene-d8
Concen: 44.061 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077861.D
Acq: 13 Dec 2023 14:44

Tgt Ion: 98 Resp: 37940
Ion Ratio Lower Upper
98 100
100 67.0 50.3 75.5

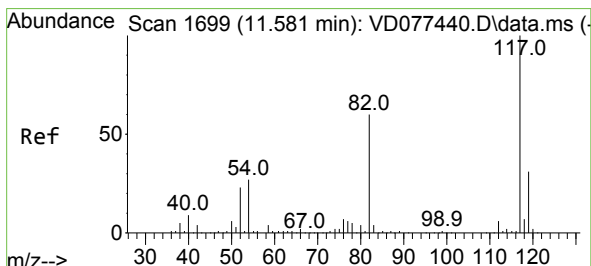
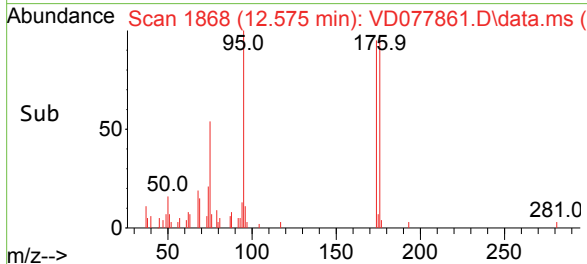
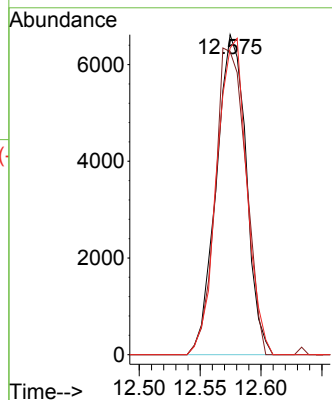
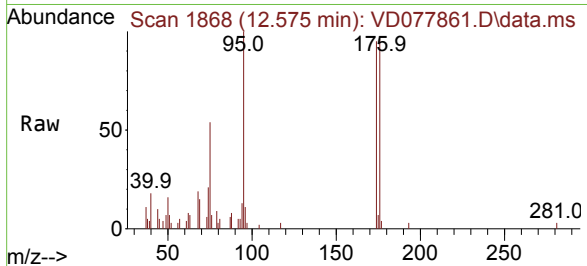




#62
4-Bromofluorobenzene
Concen: 43.863 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077861.D
Acq: 13 Dec 2023 14:44

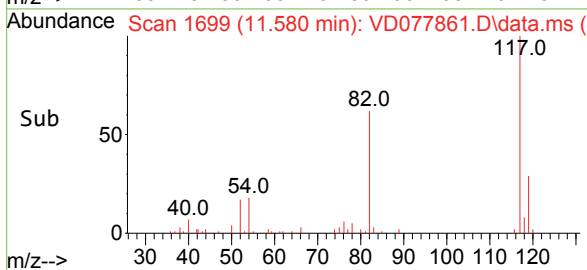
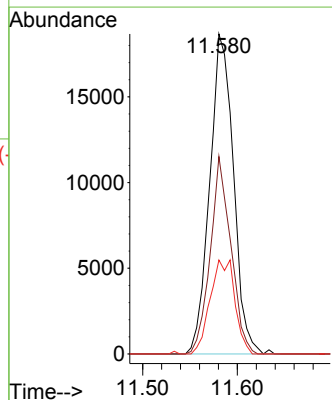
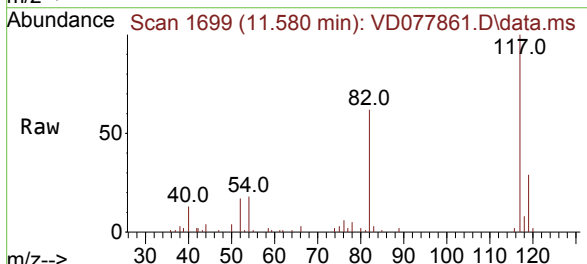
Instrument :
MSVOA_D
ClientSampleId :

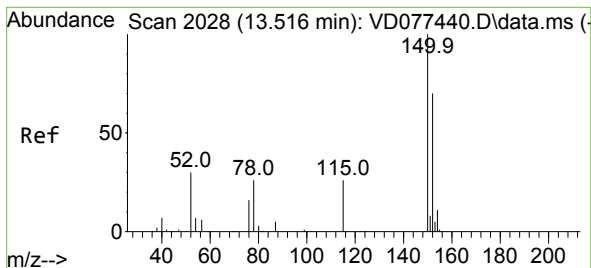
Tgt Ion: 95 Resp: 11292
Ion Ratio Lower Upper
95 100
174 98.7 0.0 201.8
176 99.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.001 min
Lab File: VD077861.D
Acq: 13 Dec 2023 14:44

Tgt Ion: 117 Resp: 32498
Ion Ratio Lower Upper
117 100
82 61.7 38.3 57.5#
119 29.4 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

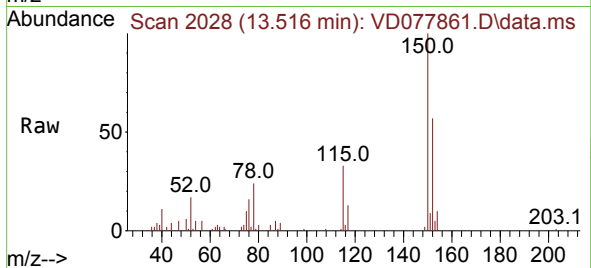
Lab File: VD077861.D

Acq: 13 Dec 2023 14:44

Instrument :

MSVOA_D

ClientSampleId :



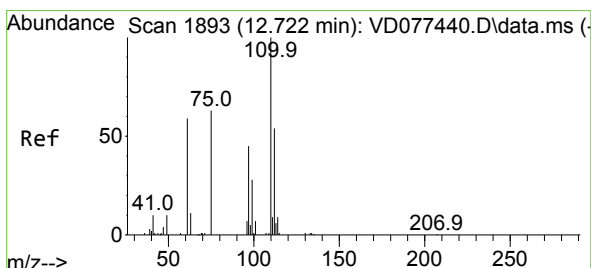
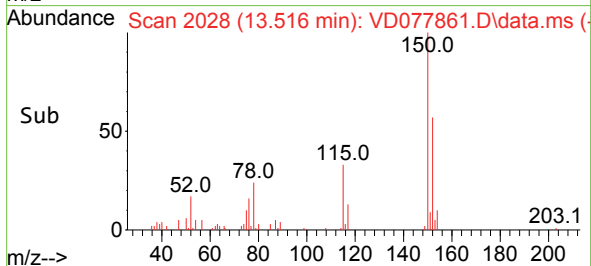
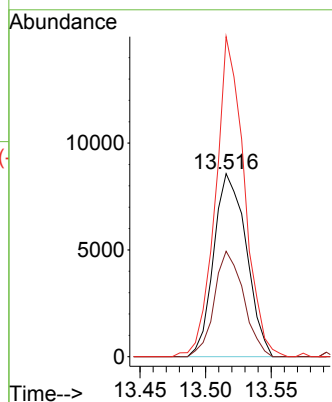
Tgt Ion:152 Resp: 14799

Ion Ratio Lower Upper

152 100

115 51.8 27.1 81.3

150 154.0 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 49.942 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077861.D

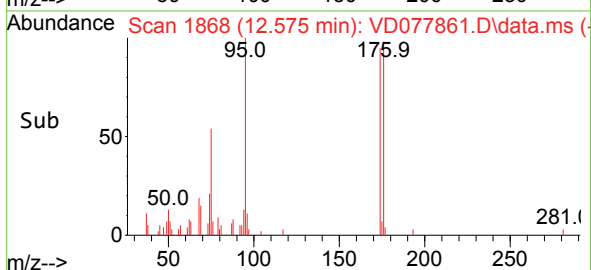
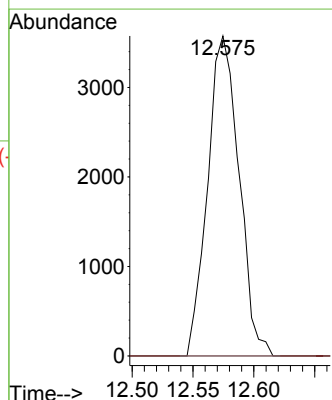
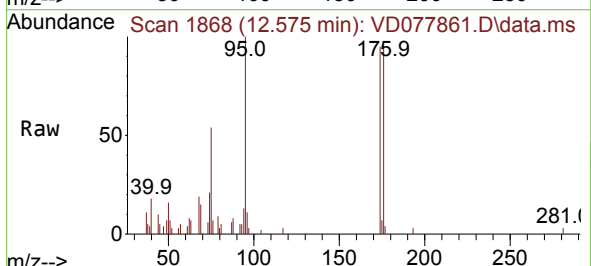
Acq: 13 Dec 2023 14:44

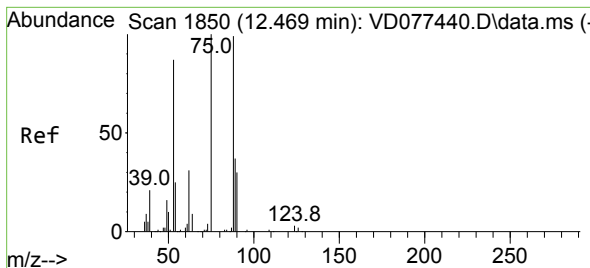
Tgt Ion: 75 Resp: 6419

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

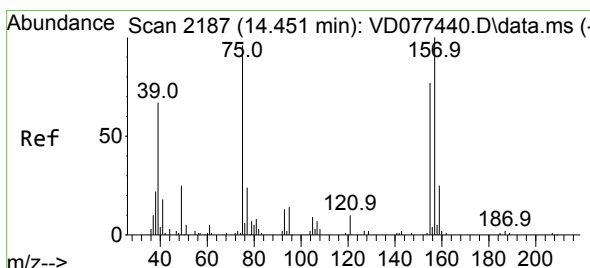
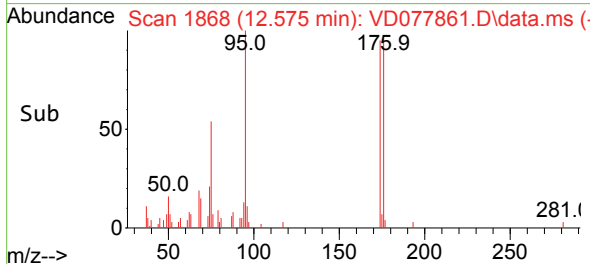
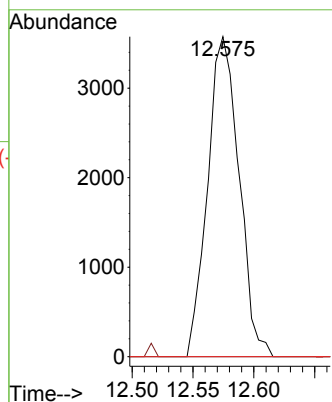
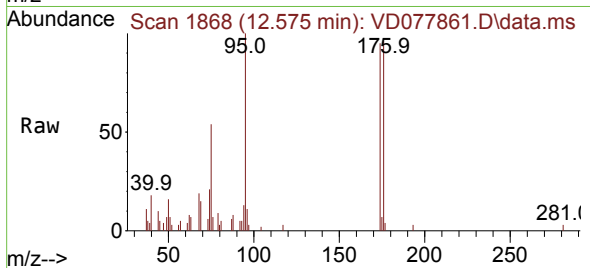




#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.185 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077861.D
 Acq: 13 Dec 2023 14:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 75 Resp: 6419
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.196 ug/l
 RT: 14.698 min Scan# 2229
 Delta R.T. 0.247 min
 Lab File: VD077861.D
 Acq: 13 Dec 2023 14:44

Tgt Ion: 75 Resp: 61
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.9 143.8#
 157 0.0 59.9 179.7#

