

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077862.D
 Acq On : 13 Dec 2023 15:11
 Operator : RP/MD
 Sample : 05760-01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 01:53:12 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)

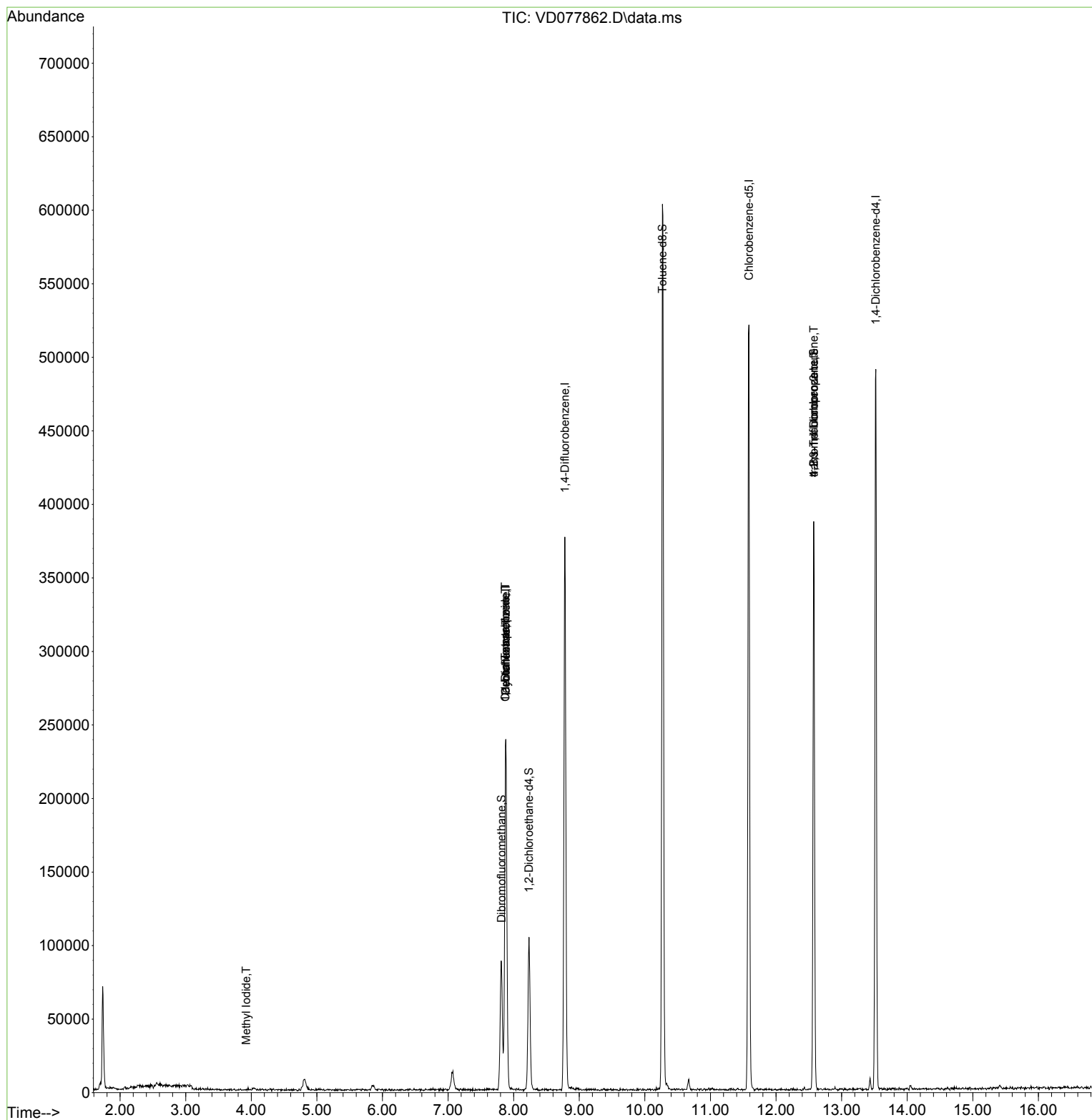
Internal Standards						
1) Pentafluorobenzene	7.881	168	185753	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	335794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	301774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	134549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	78361	35.800	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	71.600%		
35) Dibromofluoromethane	7.816	113	62963	26.769	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	53.540%#		
50) Toluene-d8	10.269	98	426483	45.271	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.540%		
62) 4-Bromofluorobenzene	12.575	95	112947	40.102	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	80.200%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	3.922	142	56	6.766	ug/l	# 46
11) Tert butyl alcohol	5.046	59	114	Below Cal	#	73
16) Acetone	4.028	43	733	Below Cal	#	83
20) Methylene Chloride	4.816	84	5783	Below Cal		97
25) 2-Butanone	7.075	43	257	Below Cal	#	37
31) Cyclohexane	7.881	56	4280	1.099	ug/l	# 39
36) 1,1-Dichloropropene	7.875	75	15416	4.097	ug/l	# 48
38) Carbon Tetrachloride	7.875	117	19602	5.226	ug/l	# 14
65) Chlorobenzene	11.610	112	154	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	59776	51.153	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	59776	103.640	ug/l	# 18
88) 1,4-Dichlorobenzene	13.534	146	222	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.286	75	125	Below Cal	#	1

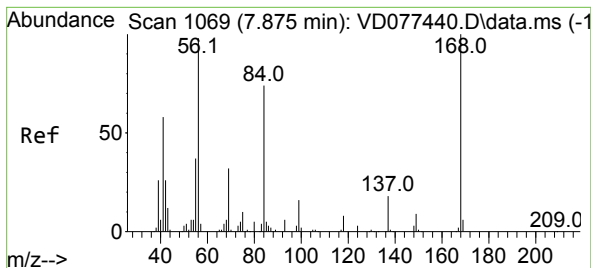
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077862.D

Acq: 13 Dec 2023 15:11

Instrument :

MSVOA_D

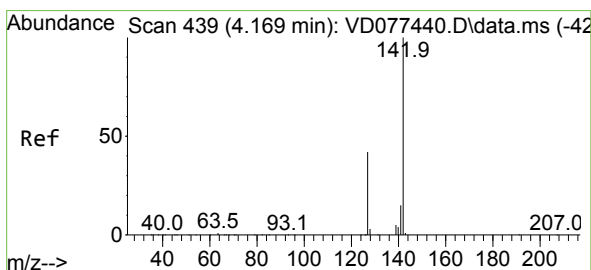
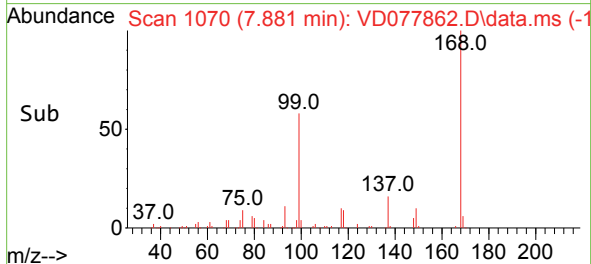
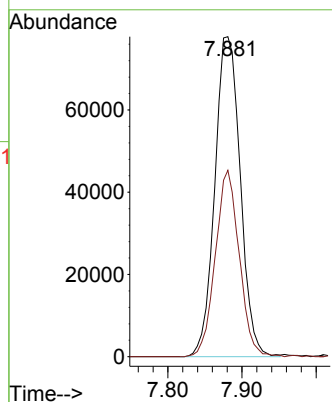
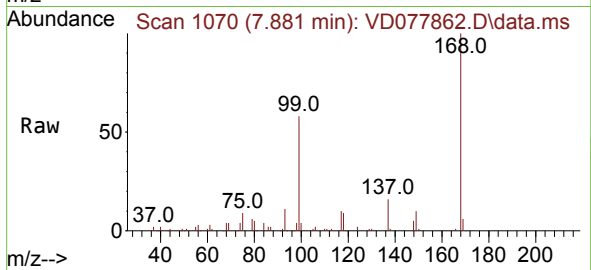
ClientSampleId :

Tgt Ion:168 Resp: 185753

Ion Ratio Lower Upper

168 100

99 58.3 36.7 55.1#



#10

Methyl Iodide

Concen: 6.766 ug/l

RT: 3.922 min Scan# 397

Delta R.T. -0.247 min

Lab File: VD077862.D

Acq: 13 Dec 2023 15:11

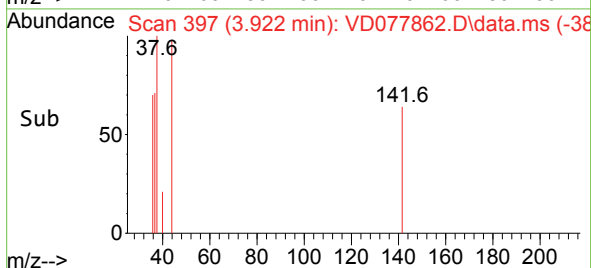
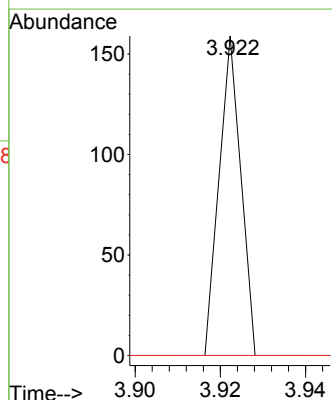
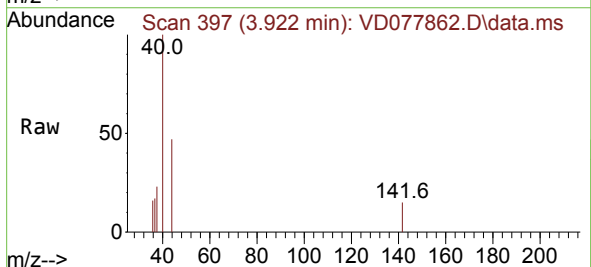
Tgt Ion:142 Resp: 56

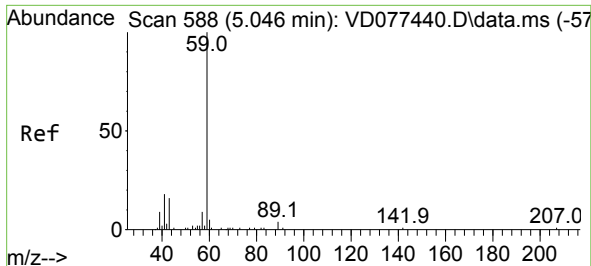
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#

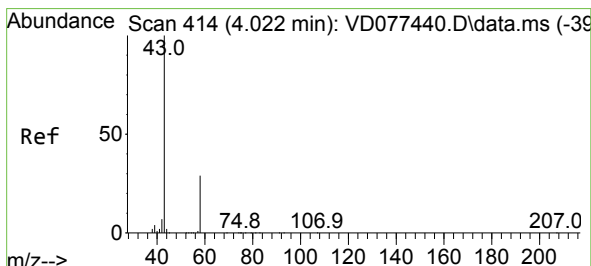
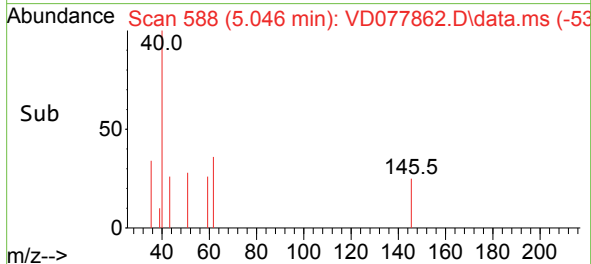
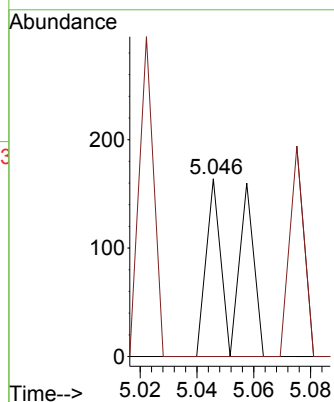
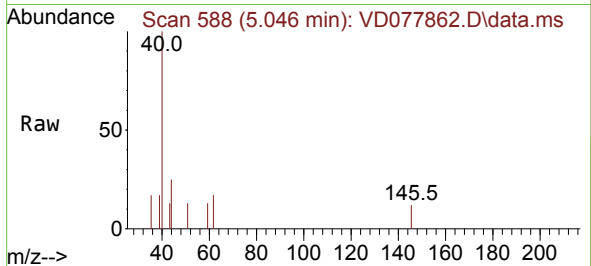




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.046 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD077862.D
Acq: 13 Dec 2023 15:11

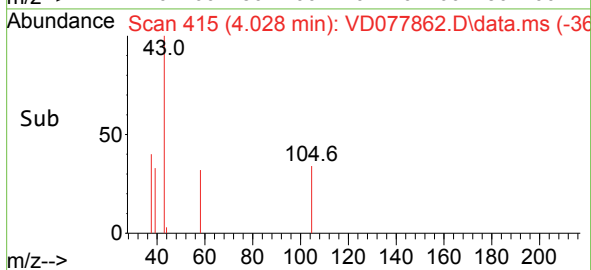
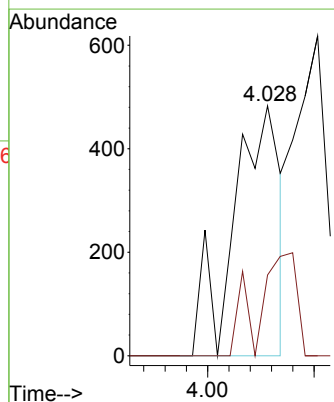
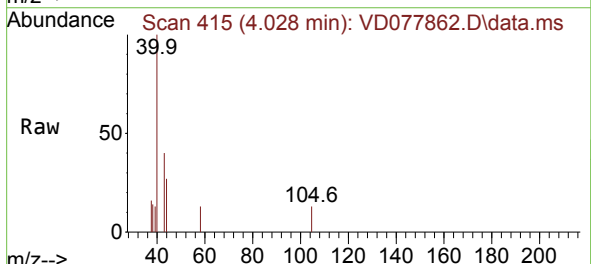
Instrument :
MSVOA_D
ClientSampleId :

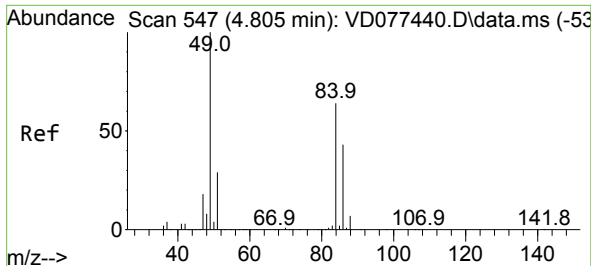
Tgt Ion: 59 Resp: 114
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077862.D
Acq: 13 Dec 2023 15:11

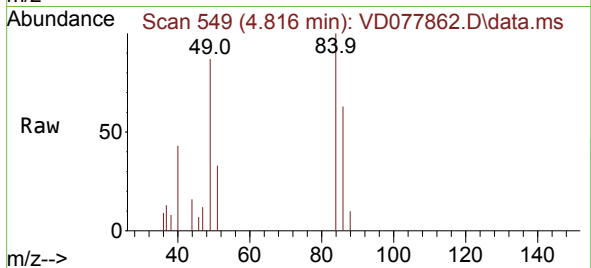
Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
58 32.3 34.7 52.1#





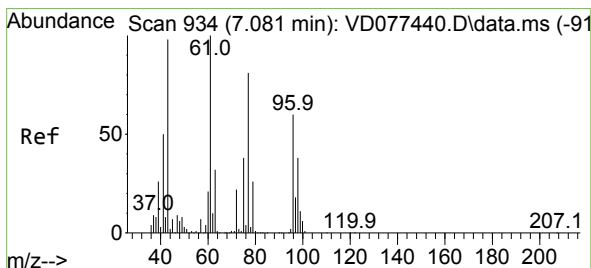
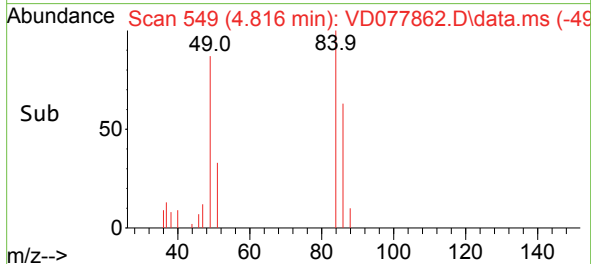
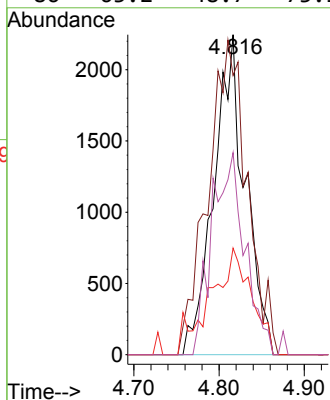
#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 547
Delta R.T. 0.011 min
Lab File: VD077862.D
Acq: 13 Dec 2023 15:11

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 5783

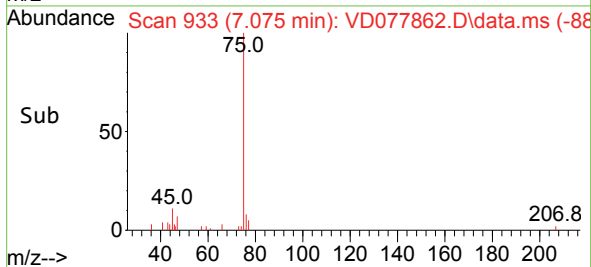
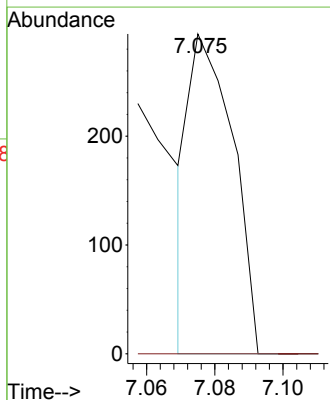
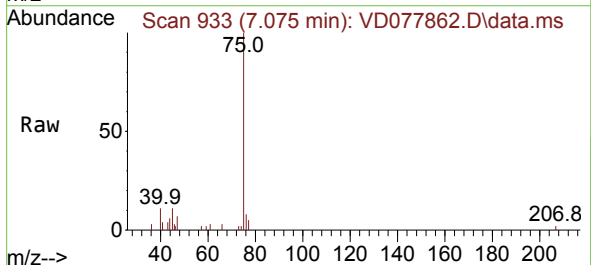
Ion	Ratio	Lower	Upper
84	100		
49	87.3	71.4	107.2
51	33.3	24.5	36.7
86	63.2	48.7	73.1

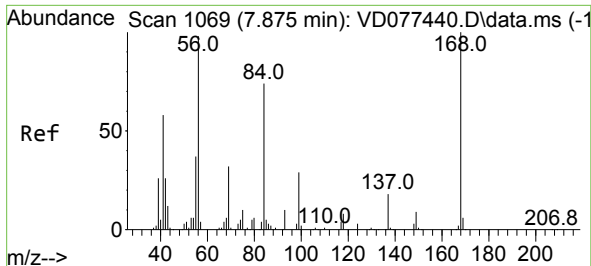


#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD077862.D
Acq: 13 Dec 2023 15:11

Tgt Ion: 43 Resp: 257

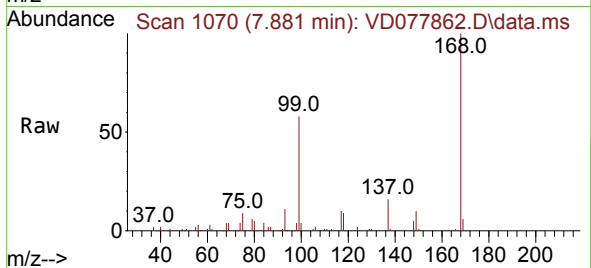
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#



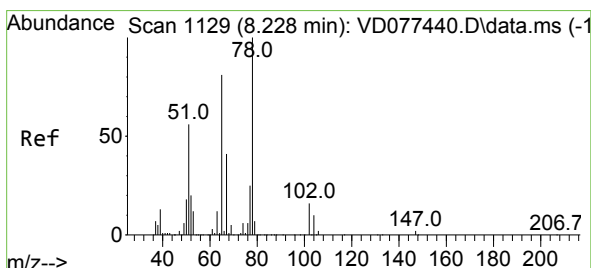
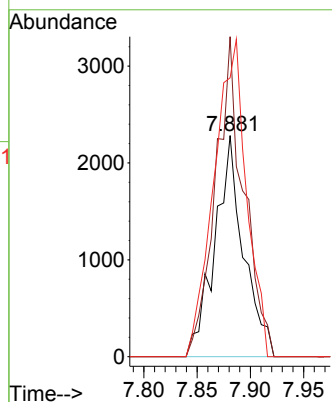
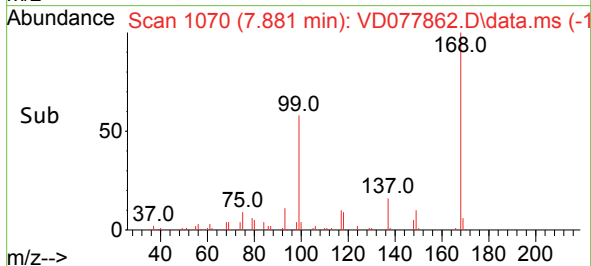


#31
Cyclohexane
Concen: 1.099 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD077862.D
Acq: 13 Dec 2023 15:11

Instrument :
MSVOA_D
ClientSampleId :

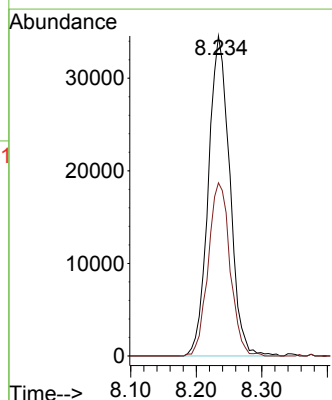
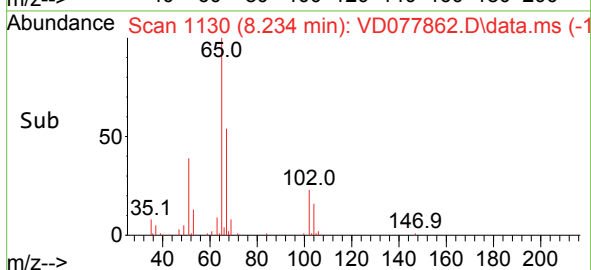
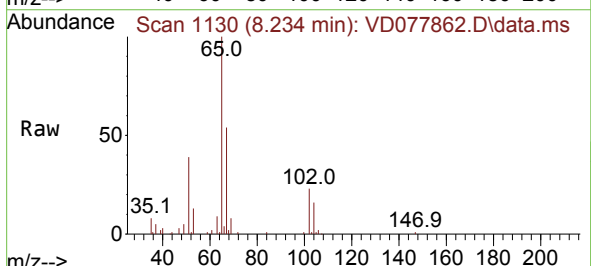


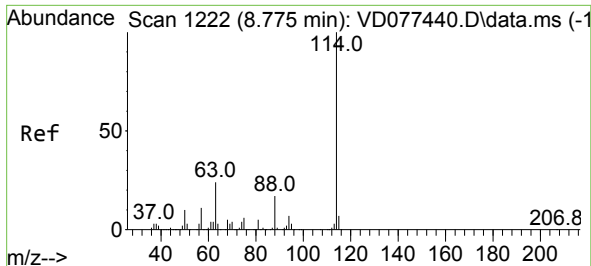
Tgt Ion: 56 Resp: 4280
Ion Ratio Lower Upper
56 100
69 144.7 28.6 43.0#
84 126.1 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 35.800 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077862.D
Acq: 13 Dec 2023 15:11

Tgt Ion: 65 Resp: 78361
Ion Ratio Lower Upper
65 100
67 55.1 0.0 115.0

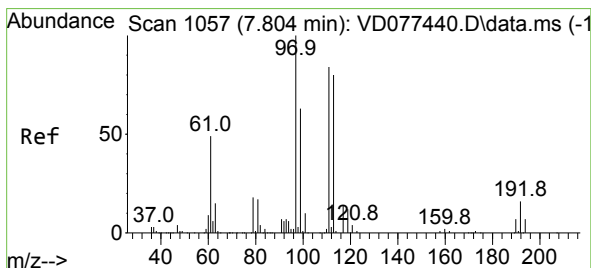
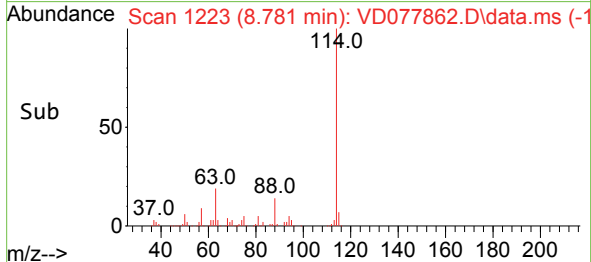
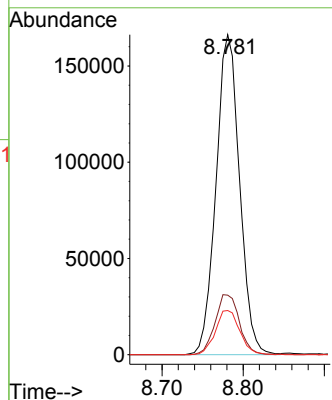
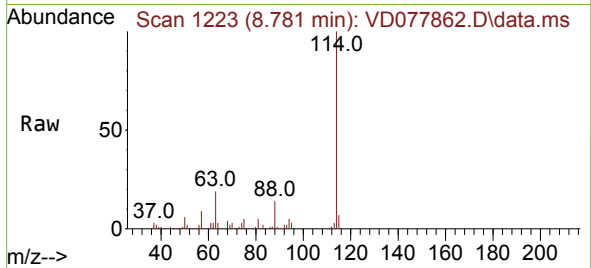




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077862.D
Acq: 13 Dec 2023 15:11

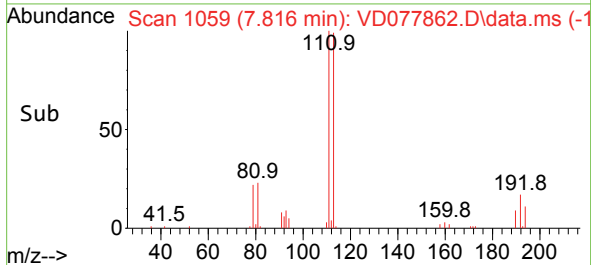
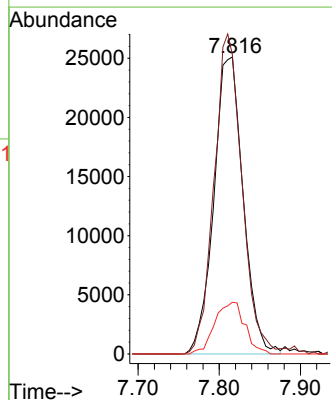
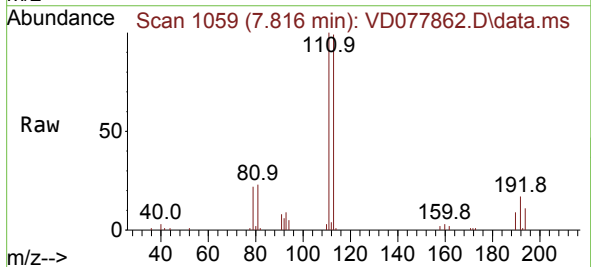
Instrument :
MSVOA_D
ClientSampleId :

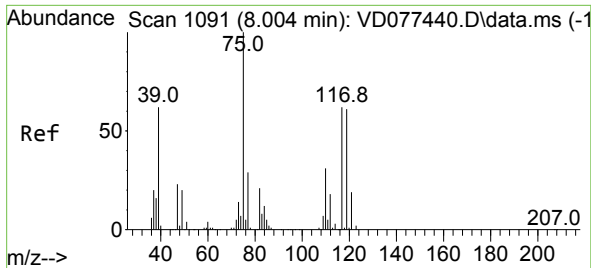
Tgt Ion:114 Resp: 335794
Ion Ratio Lower Upper
114 100
63 18.6 0.0 33.4
88 13.8 0.0 26.2



#35
Dibromofluoromethane
Concen: 26.769 ug/l
RT: 7.816 min Scan# 1059
Delta R.T. 0.012 min
Lab File: VD077862.D
Acq: 13 Dec 2023 15:11

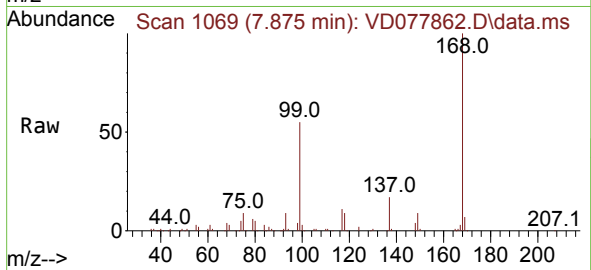
Tgt Ion:113 Resp: 62963
Ion Ratio Lower Upper
113 100
111 102.5 84.7 127.1
192 17.9 16.8 25.2



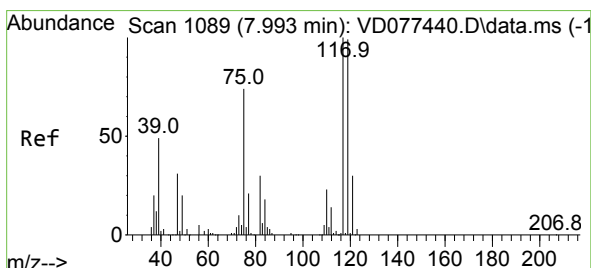
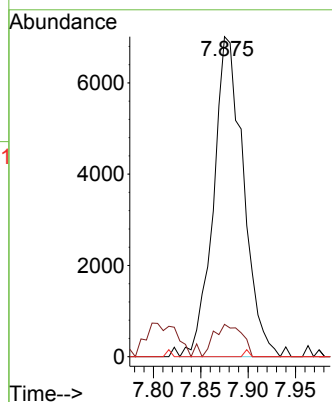
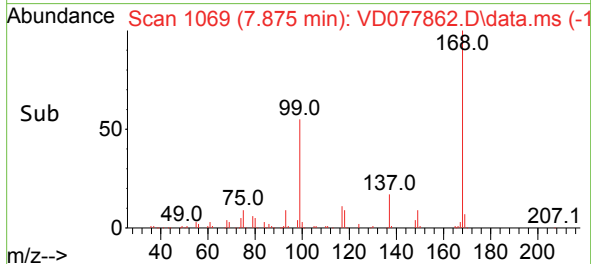


#36
 1,1-Dichloropropene
 Concen: 4.097 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.129 min
 Lab File: VD077862.D
 Acq: 13 Dec 2023 15:11

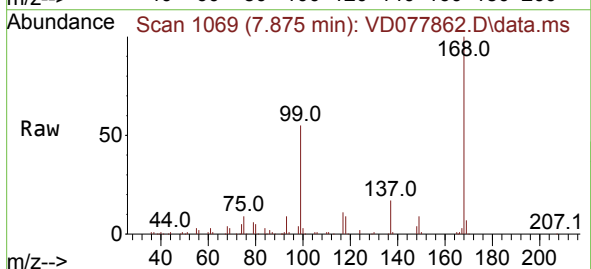
Instrument :
 MSVOA_D
 ClientSampleId :



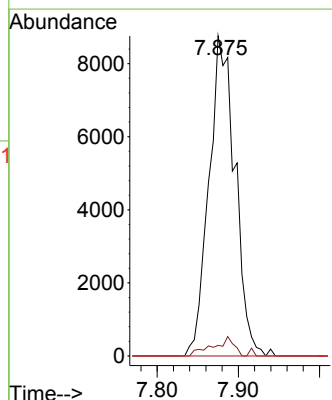
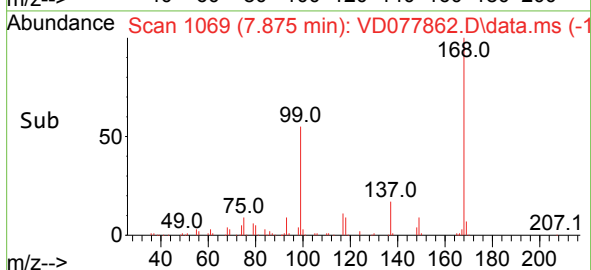
Tgt Ion: 75 Resp: 15416
 Ion Ratio Lower Upper
 75 100
 110 9.4 19.9 59.6#
 77 0.0 24.7 37.1#

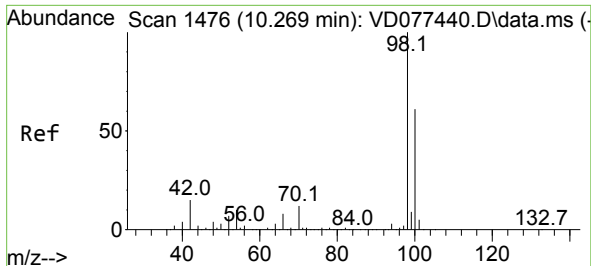


#38
 Carbon Tetrachloride
 Concen: 5.226 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.118 min
 Lab File: VD077862.D
 Acq: 13 Dec 2023 15:11



Tgt Ion: 117 Resp: 19602
 Ion Ratio Lower Upper
 117 100
 119 3.3 78.0 117.0#
 121 0.0 24.2 36.2#

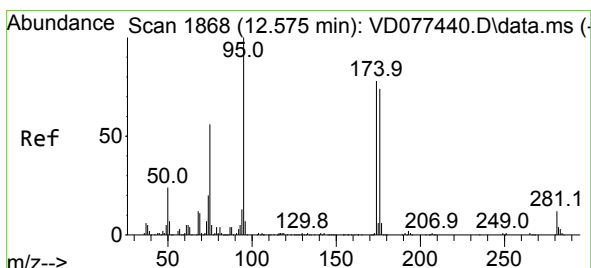
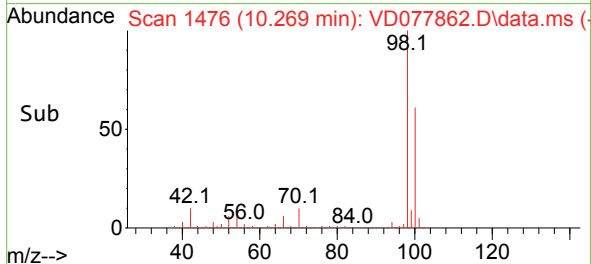
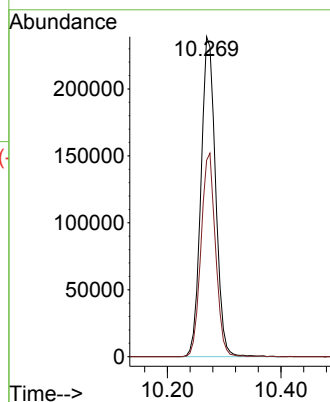
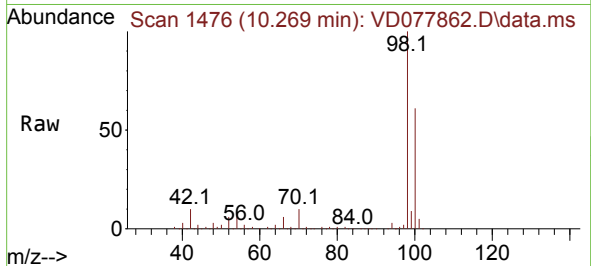




#50
Toluene-d8
Concen: 45.271 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077862.D
Acq: 13 Dec 2023 15:11

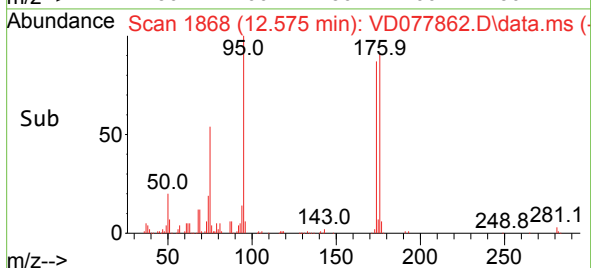
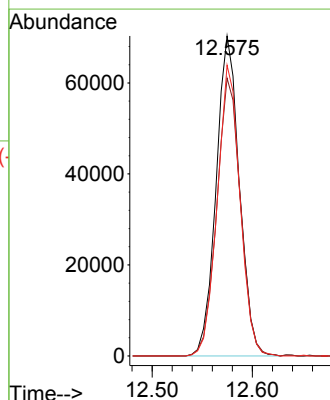
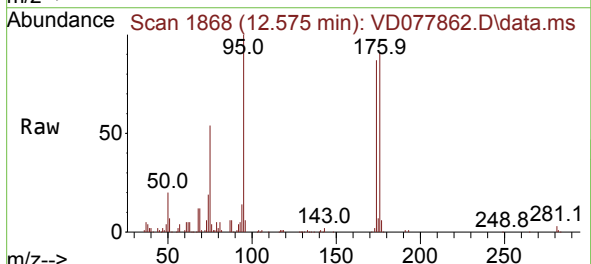
Instrument :
MSVOA_D
ClientSampleId :

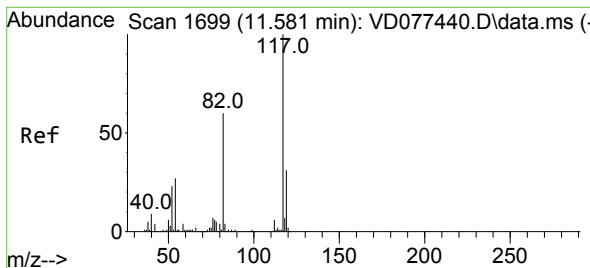
Tgt Ion: 98 Resp: 426483
Ion Ratio Lower Upper
98 100
100 63.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 40.102 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077862.D
Acq: 13 Dec 2023 15:11

Tgt Ion: 95 Resp: 112947
Ion Ratio Lower Upper
95 100
174 88.6 0.0 201.8
176 88.9 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.587 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077862.D

Acq: 13 Dec 2023 15:11

Instrument :

MSVOA_D

ClientSampleId :

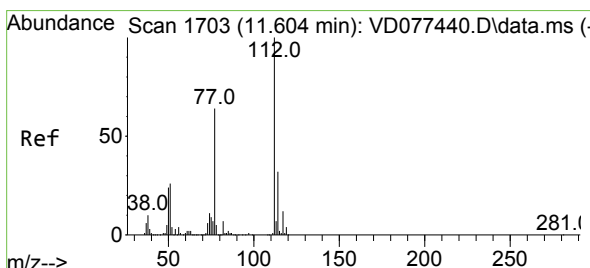
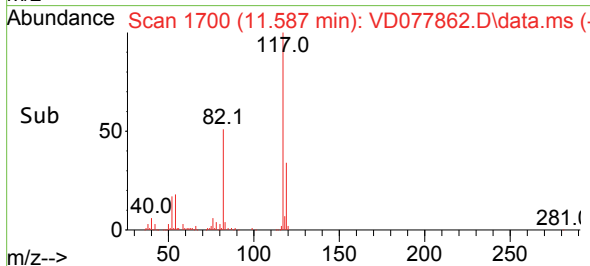
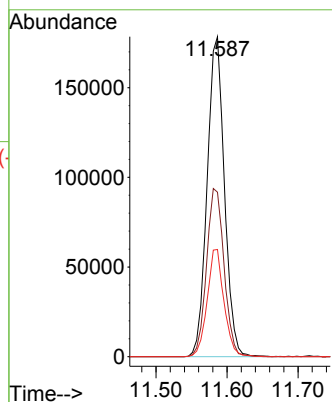
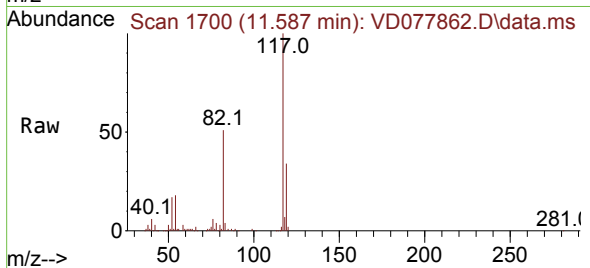
Tgt Ion:117 Resp: 301774

Ion Ratio Lower Upper

117 100

82 51.4 38.3 57.5

119 33.5 25.0 37.4



#65

Chlorobenzene

Concen: Below Cal

RT: 11.610 min Scan# 1704

Delta R.T. 0.006 min

Lab File: VD077862.D

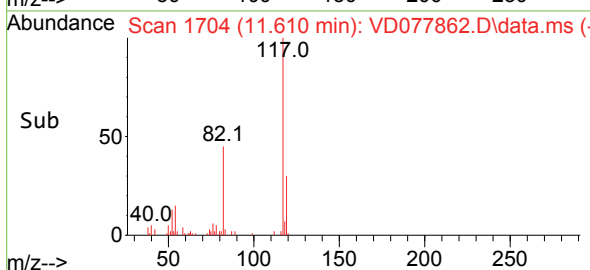
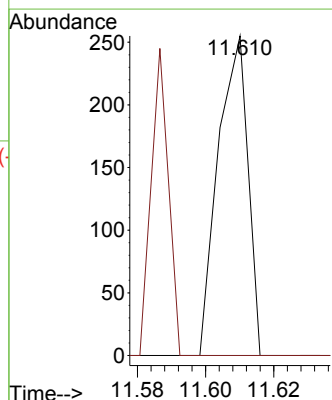
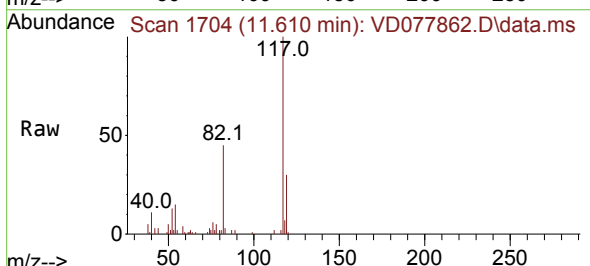
Acq: 13 Dec 2023 15:11

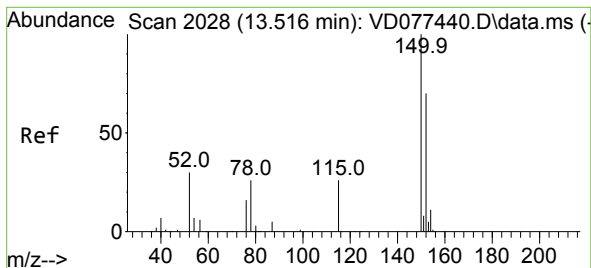
Tgt Ion:112 Resp: 154

Ion Ratio Lower Upper

112 100

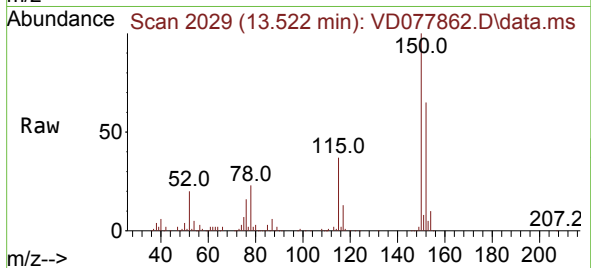
114 0.0 25.1 37.7#



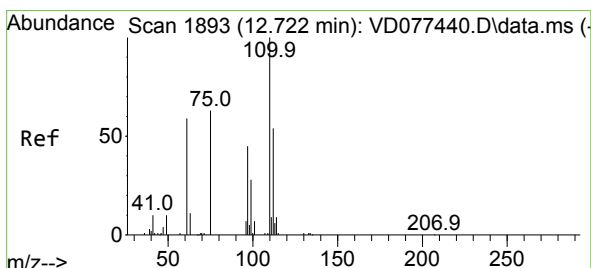
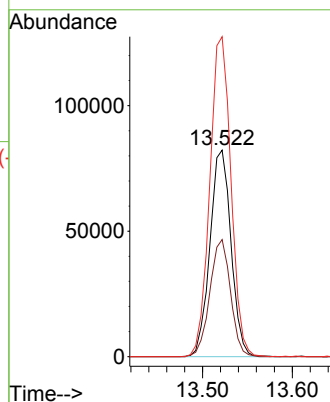
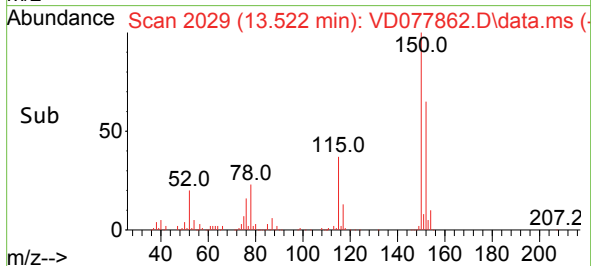


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2028
 Delta R.T. 0.006 min
 Lab File: VD077862.D
 Acq: 13 Dec 2023 15:11

Instrument :
 MSVOA_D
 ClientSampleId :

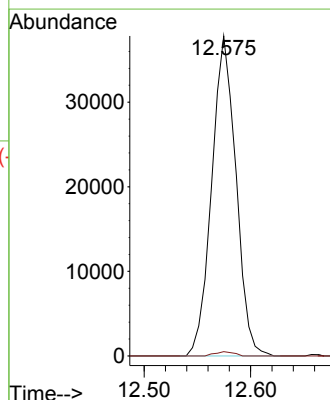
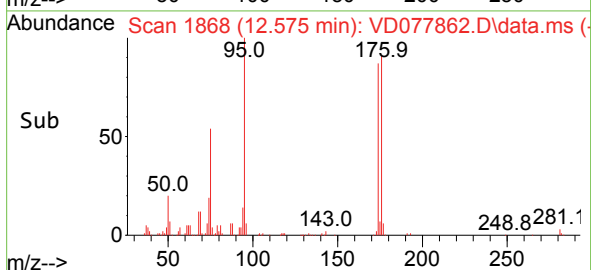
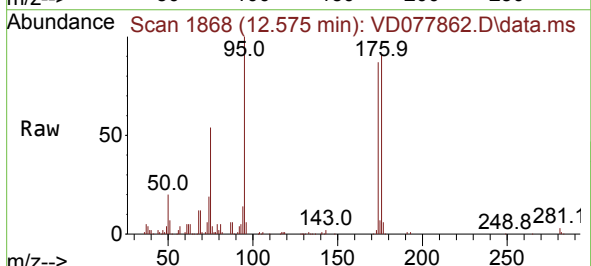


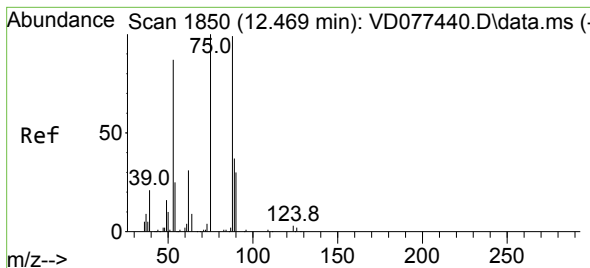
Tgt Ion:152 Resp: 134549
 Ion Ratio Lower Upper
 152 100
 115 55.5 27.1 81.3
 150 155.0 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 51.153 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077862.D
 Acq: 13 Dec 2023 15:11

Tgt Ion: 75 Resp: 59776
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

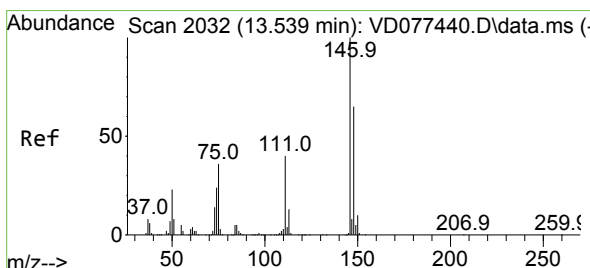
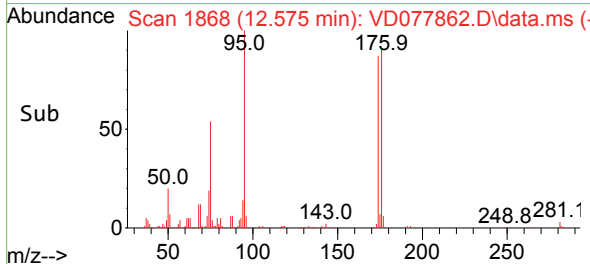
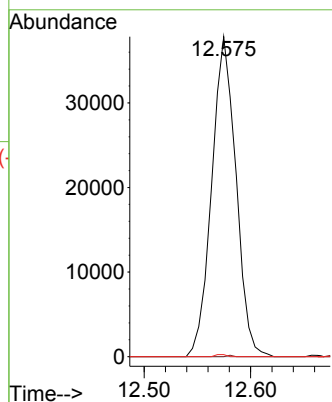
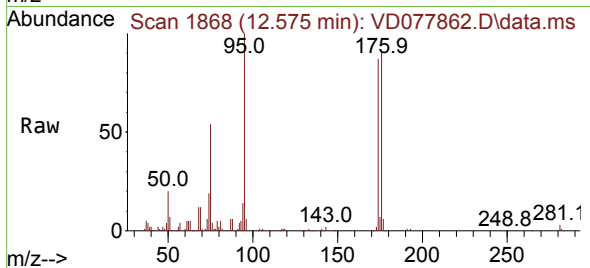




#81
trans-1,4-Dichloro-2-butene
Concen: 103.640 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077862.D
Acq: 13 Dec 2023 15:11

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 59776
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.3 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.534 min Scan# 2031
Delta R.T. -0.005 min
Lab File: VD077862.D
Acq: 13 Dec 2023 15:11

Tgt Ion: 146 Resp: 222
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 0.0 31.7 95.1#

