

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078010.D
 Acq On : 20 Dec 2023 23:58
 Operator : RP/MD
 Sample : 05914-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:32:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

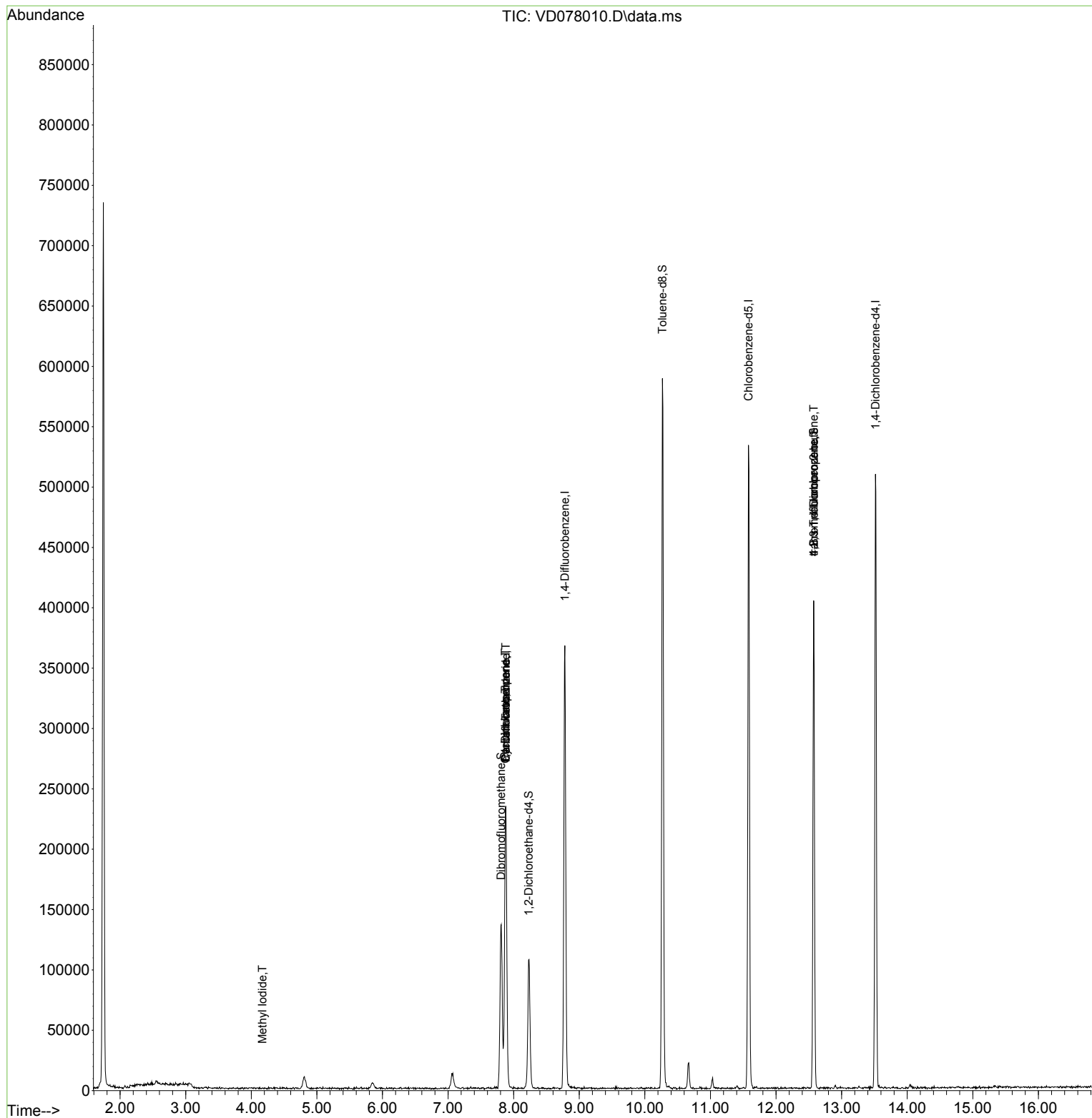
Internal Standards						
1) Pentafluorobenzene	7.881	168	187720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	330573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	314970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	136951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	84967	38.412	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	76.820%		
35) Dibromofluoromethane	7.810	113	100343	43.334	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.660%		
50) Toluene-d8	10.269	98	416204	44.878	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.760%		
62) 4-Bromofluorobenzene	12.575	95	117707	42.452	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.900%		
Target Compounds			Qvalue			
10) Methyl Iodide	4.169	142	110	6.789	ug/l #	46
11) Tert butyl alcohol	5.069	59	61	Below Cal	#	73
16) Acetone	4.022	43	314	Below Cal	#	32
20) Methylene Chloride	4.810	84	7419	Below Cal	#	78
25) 2-Butanone	7.075	43	631	Below Cal	#	37
31) Cyclohexane	7.875	56	4355	1.107	ug/l #	20
36) 1,1-Dichloropropene	7.875	75	15752	4.253	ug/l #	47
38) Carbon Tetrachloride	7.881	117	19376	5.247	ug/l #	15
65) Chlorobenzene	11.592	112	68	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.575	75	63344	53.256	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	63344	107.900	ug/l #	17
88) 1,4-Dichlorobenzene	13.516	146	506	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.439	75	55	Below Cal	#	1

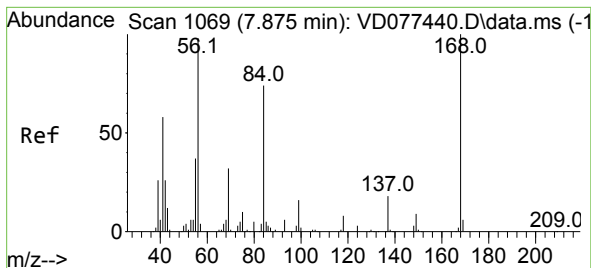
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 21 05:32:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
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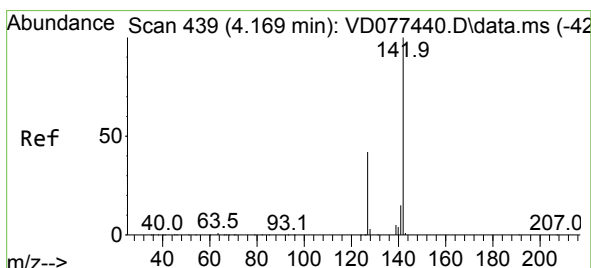
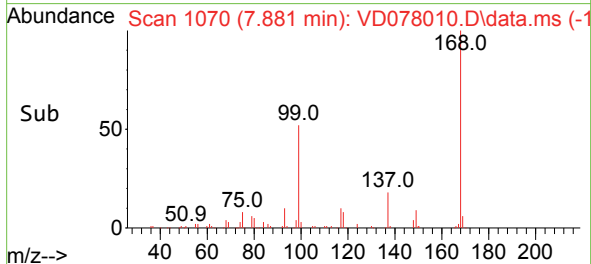
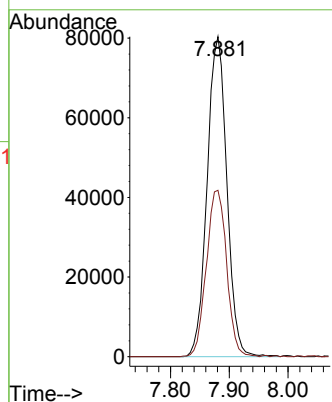
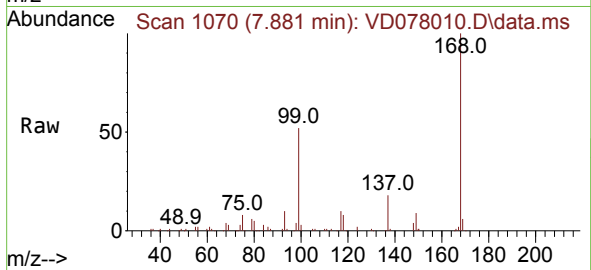




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD078010.D
Acq: 20 Dec 2023 23:58

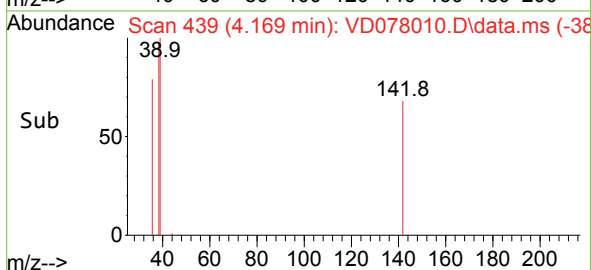
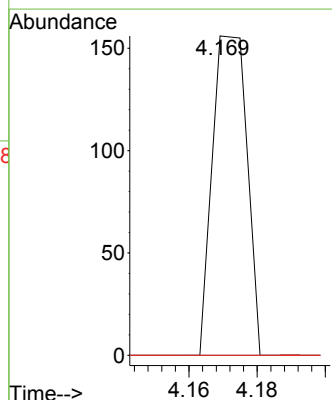
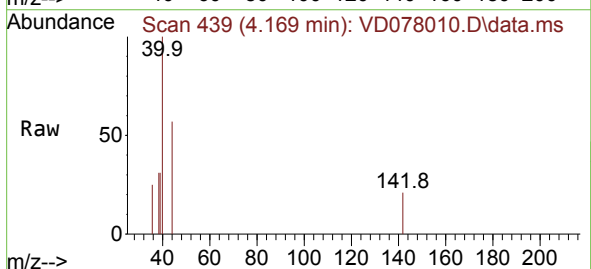
Instrument :
MSVOA_D
ClientSampleId :

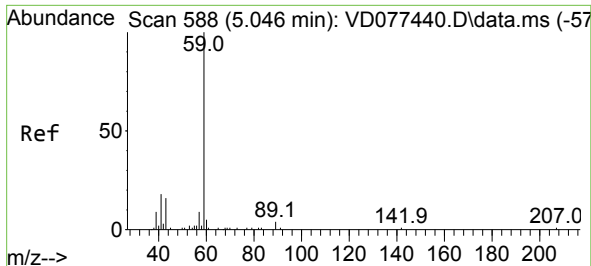
Tgt Ion:168 Resp: 187720
Ion Ratio Lower Upper
168 100
99 52.0 36.7 55.1



#10
Methyl Iodide
Concen: 6.789 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.000 min
Lab File: VD078010.D
Acq: 20 Dec 2023 23:58

Tgt Ion:142 Resp: 110
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: 5.069 min Scan# 59

Delta R.T. 0.023 min

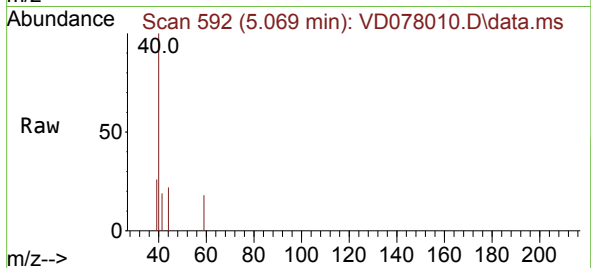
Lab File: VD078010.D

Acq: 20 Dec 2023 23:58

Instrument :

MSVOA_D

ClientSampleId :

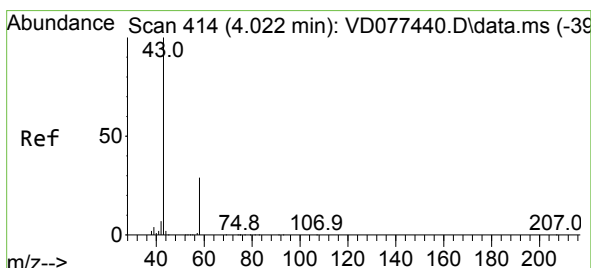
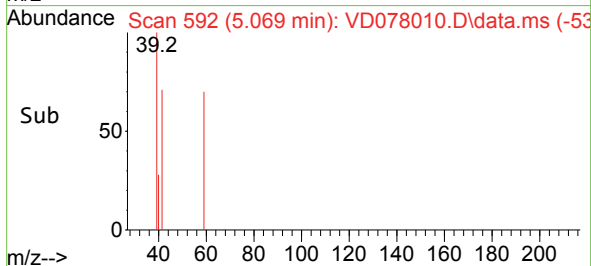
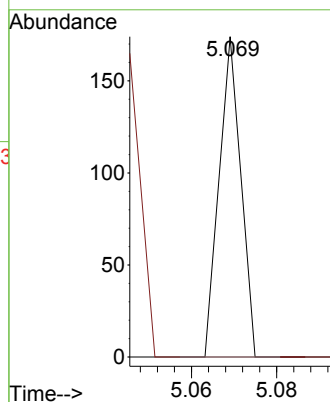


Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD078010.D

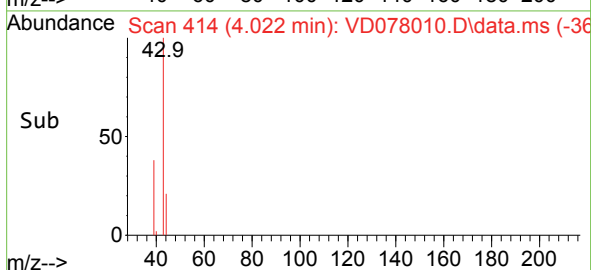
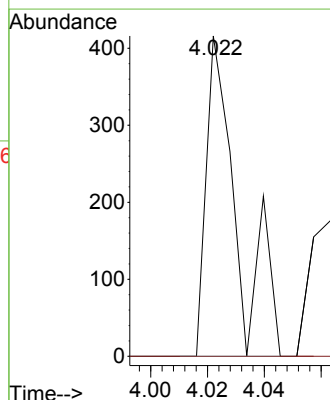
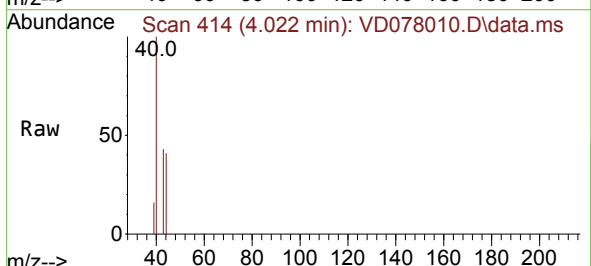
Acq: 20 Dec 2023 23:58

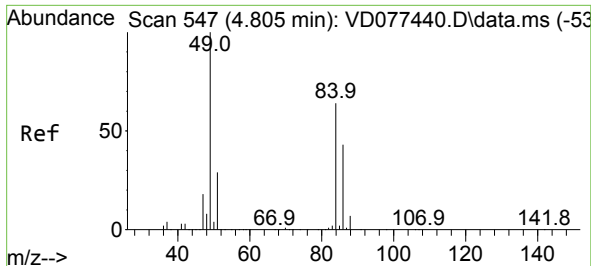
Tgt Ion: 43 Resp: 314

Ion Ratio Lower Upper

43 100

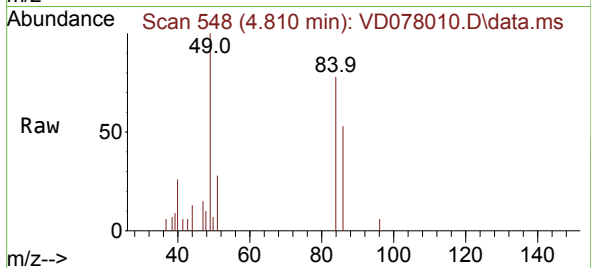
58 0.0 34.7 52.1#



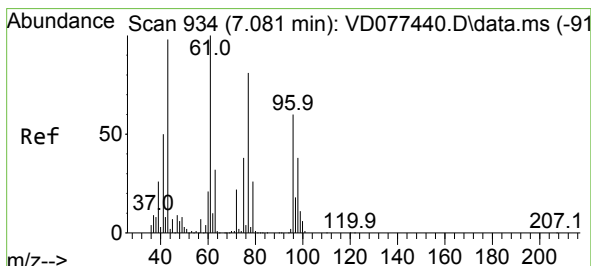
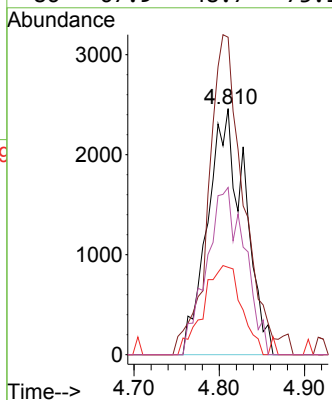
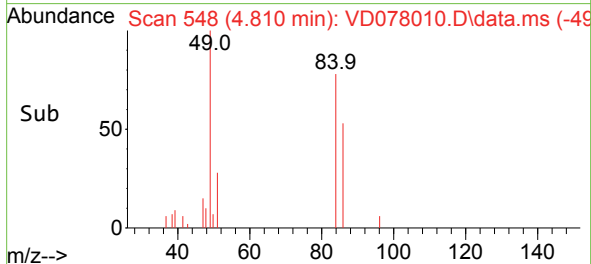


#20
Methylene Chloride
Concen: Below Cal
RT: 4.810 min Scan# 547
Delta R.T. 0.005 min
Lab File: VD078010.D
Acq: 20 Dec 2023 23:58

Instrument :
MSVOA_D
ClientSampleId :

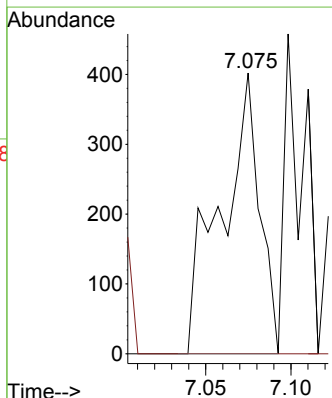
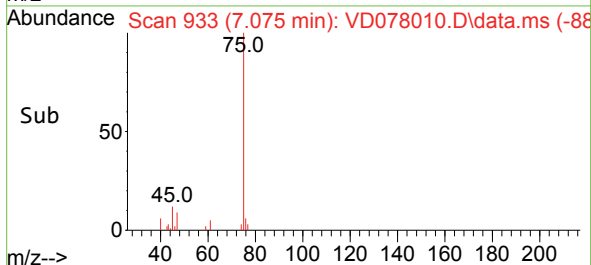
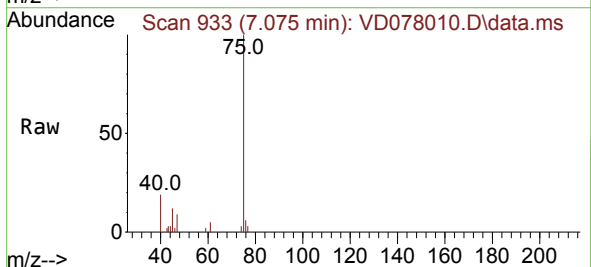


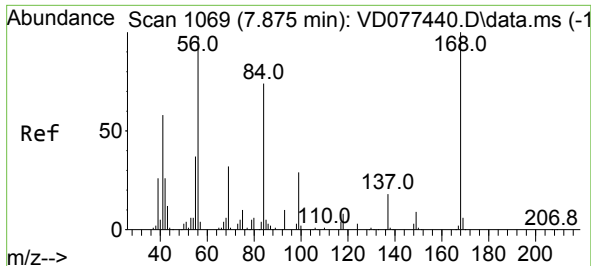
Tgt Ion: 84 Resp: 7419
Ion Ratio Lower Upper
84 100
49 122.7 71.4 107.2#
51 35.5 24.5 36.7
86 67.9 48.7 73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD078010.D
Acq: 20 Dec 2023 23:58

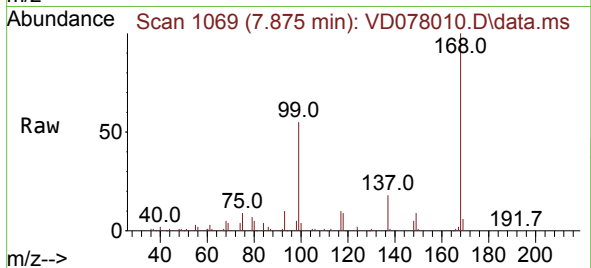
Tgt Ion: 43 Resp: 631
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



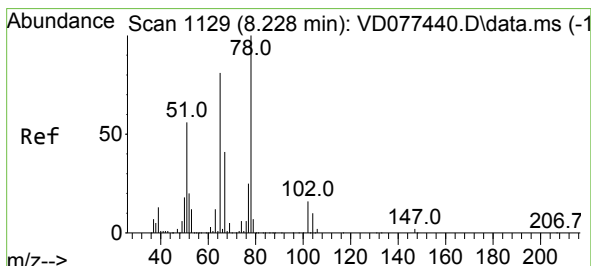
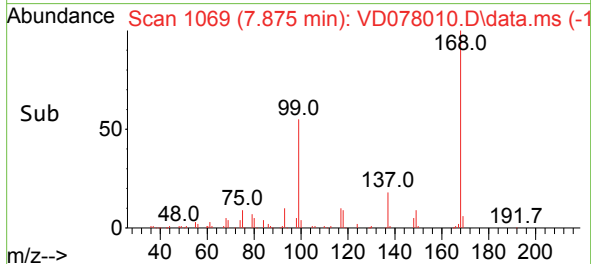
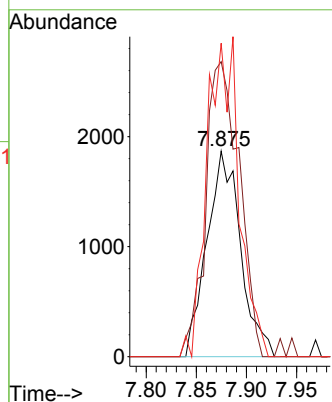


#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD078010.D
Acq: 20 Dec 2023 23:58

Instrument :
MSVOA_D
ClientSampleId :

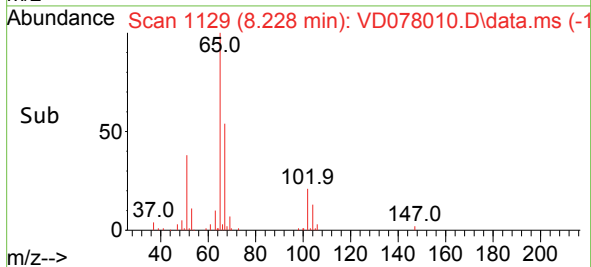
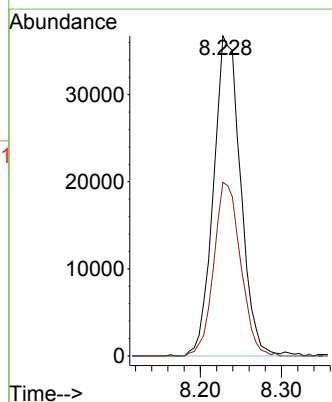
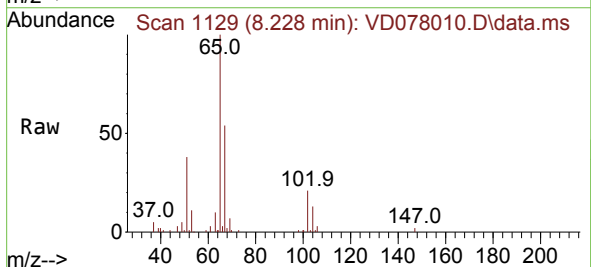


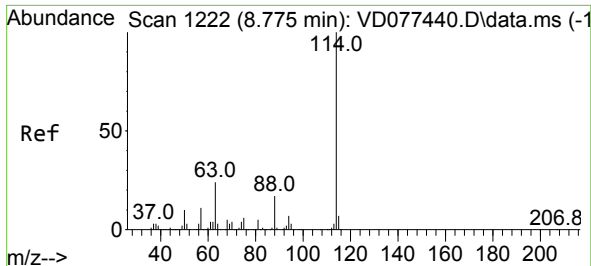
Tgt Ion: 56 Resp: 4355
Ion Ratio Lower Upper
56 100
69 143.6 28.6 43.0#
84 152.5 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 38.412 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD078010.D
Acq: 20 Dec 2023 23:58

Tgt Ion: 65 Resp: 84967
Ion Ratio Lower Upper
65 100
67 53.8 0.0 115.0

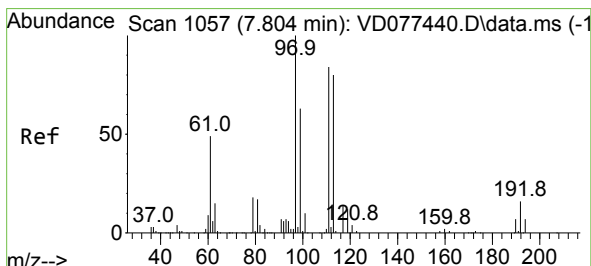
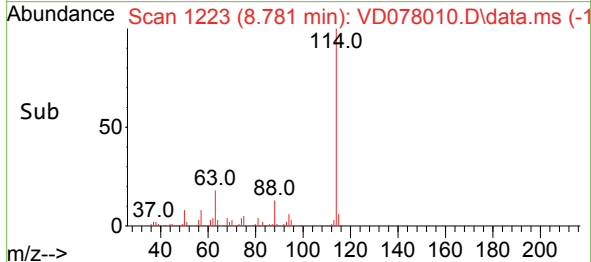
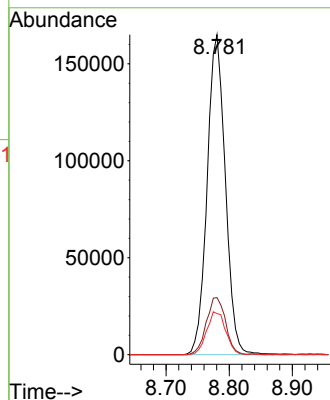
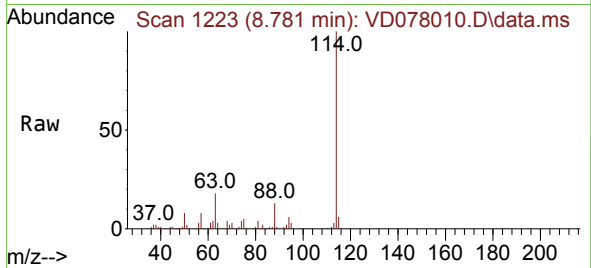




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD078010.D
Acq: 20 Dec 2023 23:58

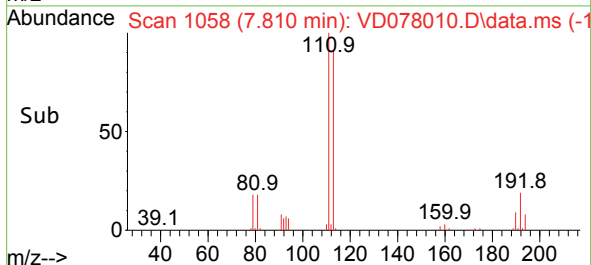
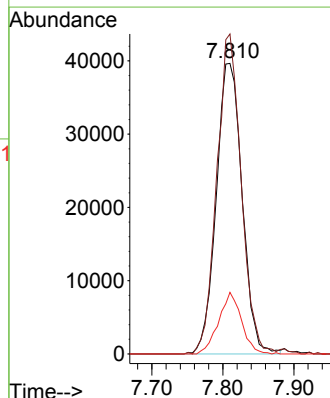
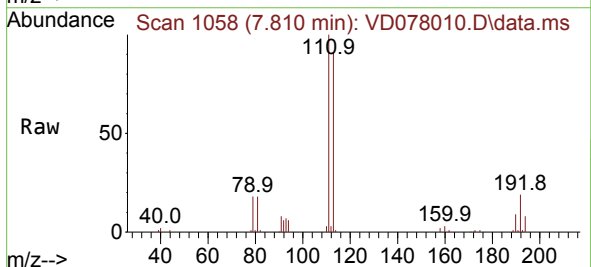
Instrument :
MSVOA_D
ClientSampleId :

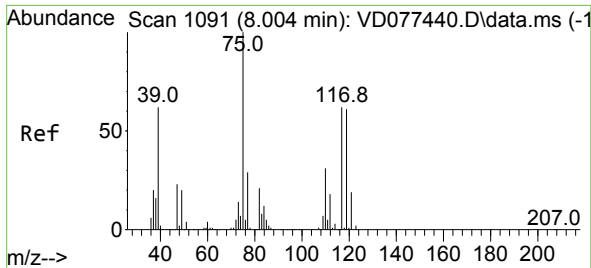
Tgt Ion:114 Resp: 330573
Ion Ratio Lower Upper
114 100
63 17.9 0.0 33.4
88 12.8 0.0 26.2



#35
Dibromofluoromethane
Concen: 43.334 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078010.D
Acq: 20 Dec 2023 23:58

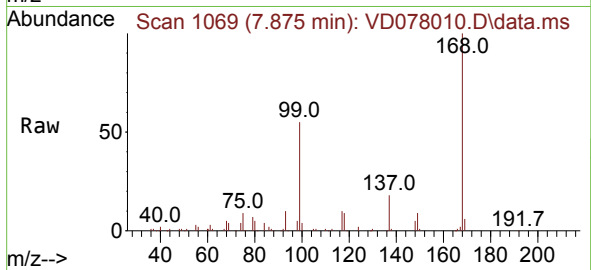
Tgt Ion:113 Resp: 100343
Ion Ratio Lower Upper
113 100
111 103.7 84.7 127.1
192 18.7 16.8 25.2



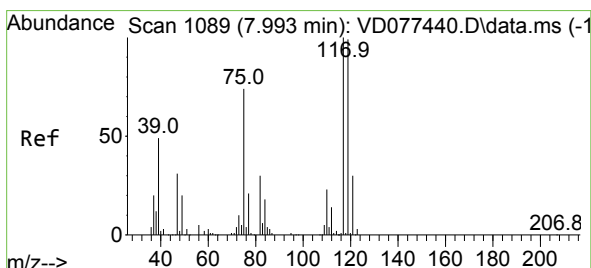
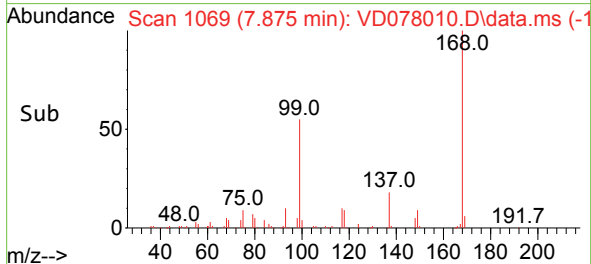
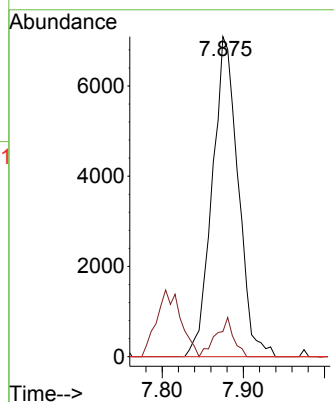


#36
 1,1-Dichloropropene
 Concen: 4.253 ug/l
 RT: 7.875 min Scan# 1070
 Delta R.T. -0.129 min
 Lab File: VD078010.D
 Acq: 20 Dec 2023 23:58

Instrument :
 MSVOA_D
 ClientSampleId :

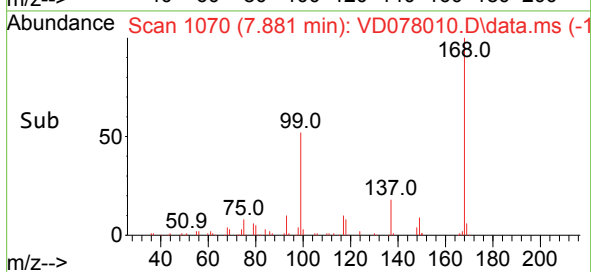
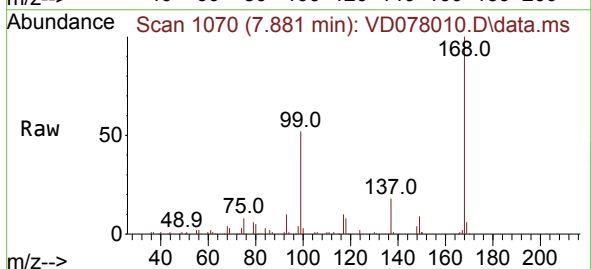
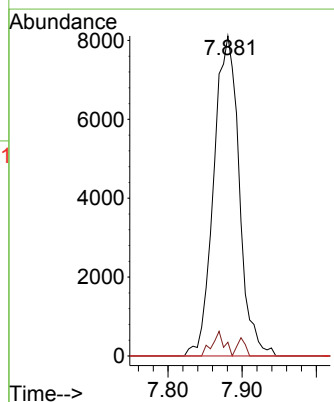


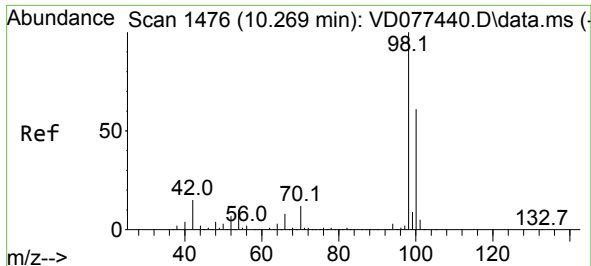
Tgt Ion: 75 Resp: 15752
 Ion Ratio Lower Upper
 75 100
 110 8.1 19.9 59.6#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.247 ug/l
 RT: 7.881 min Scan# 1070
 Delta R.T. -0.112 min
 Lab File: VD078010.D
 Acq: 20 Dec 2023 23:58

Tgt Ion: 117 Resp: 19376
 Ion Ratio Lower Upper
 117 100
 119 4.3 78.0 117.0#
 121 0.0 24.2 36.2#

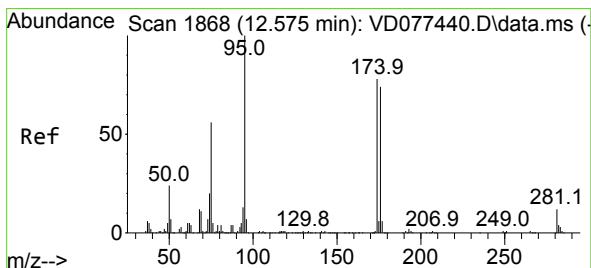
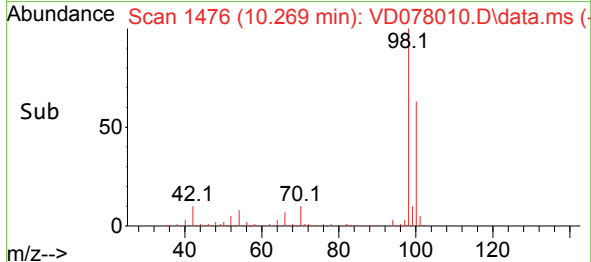
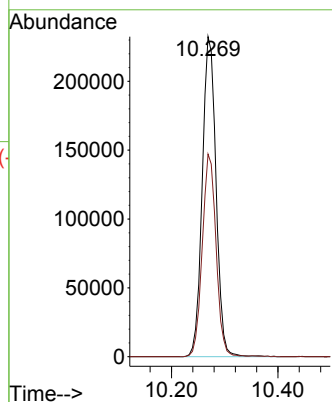
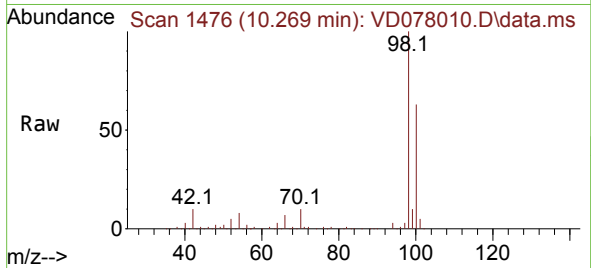




#50
Toluene-d8
Concen: 44.878 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078010.D
Acq: 20 Dec 2023 23:58

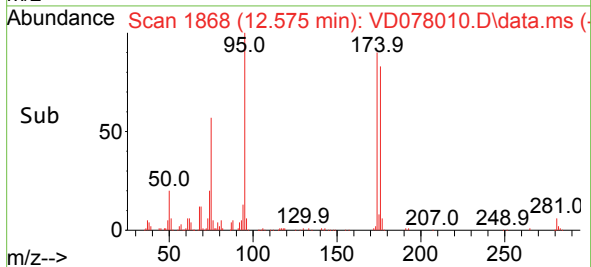
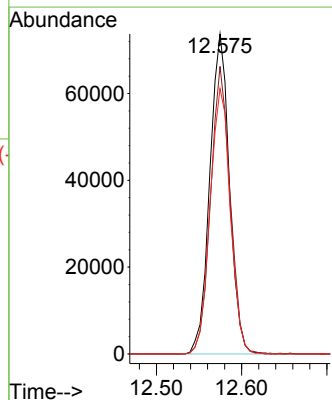
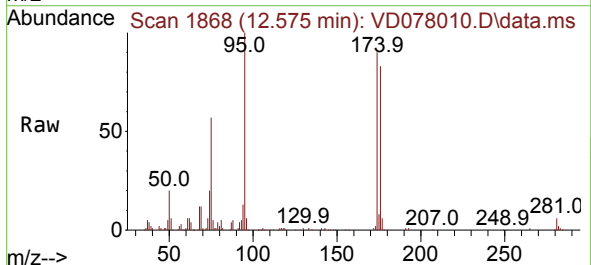
Instrument :
MSVOA_D
ClientSampleId :

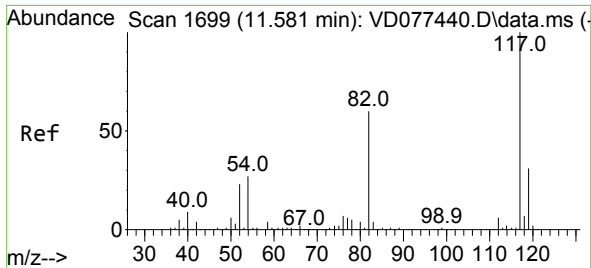
Tgt Ion: 98 Resp: 416204
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 42.452 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078010.D
Acq: 20 Dec 2023 23:58

Tgt Ion: 95 Resp: 117707
Ion Ratio Lower Upper
95 100
174 89.7 0.0 201.8
176 85.7 0.0 191.8

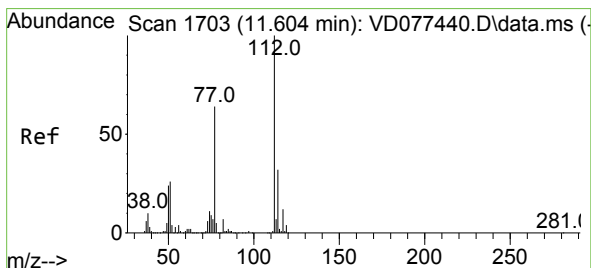
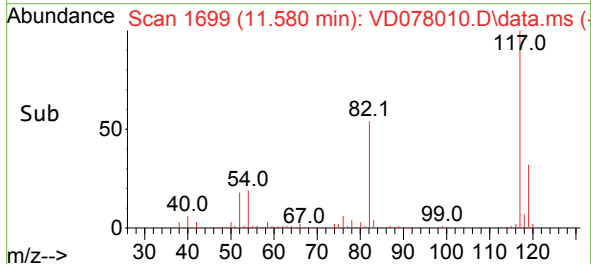
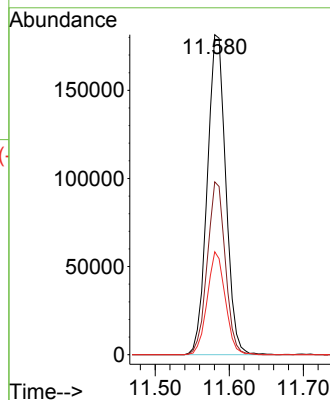
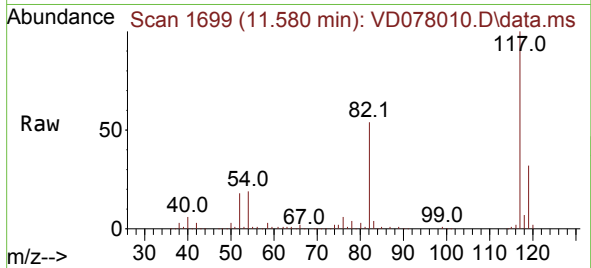




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VD078010.D
Acq: 20 Dec 2023 23:58

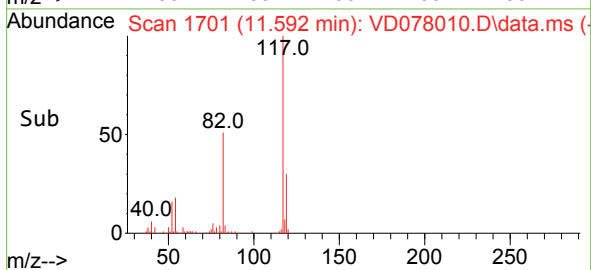
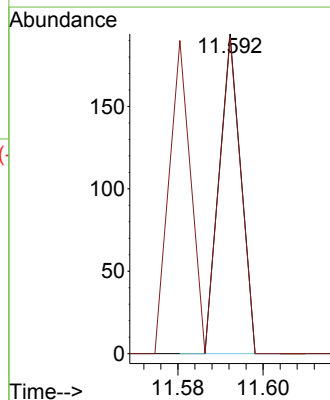
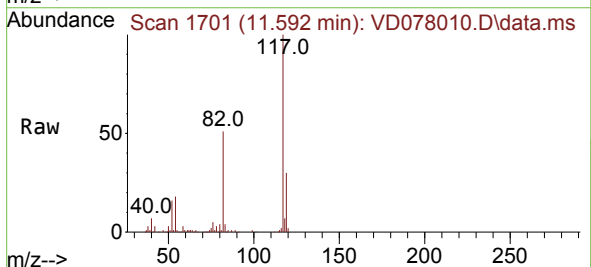
Instrument :
MSVOA_D
ClientSampleId :

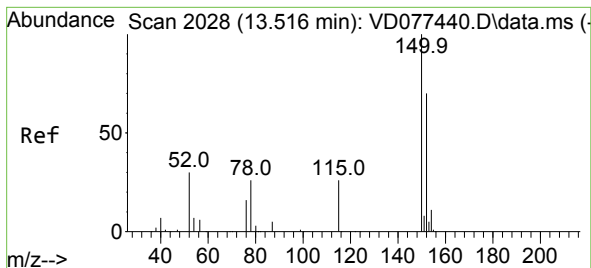
Tgt Ion:117 Resp: 314970
Ion Ratio Lower Upper
117 100
82 54.0 38.3 57.5
119 32.2 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.592 min Scan# 1701
Delta R.T. -0.012 min
Lab File: VD078010.D
Acq: 20 Dec 2023 23:58

Tgt Ion:112 Resp: 68
Ion Ratio Lower Upper
112 100
114 99.0 25.1 37.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD078010.D

Acq: 20 Dec 2023 23:58

Instrument :

MSVOA_D

ClientSampleId :

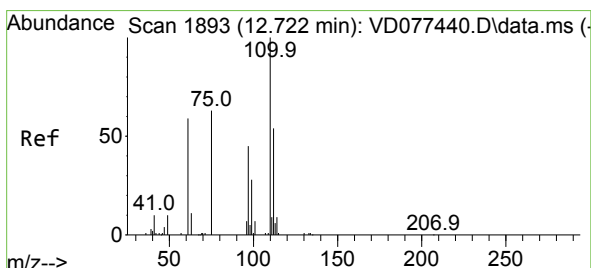
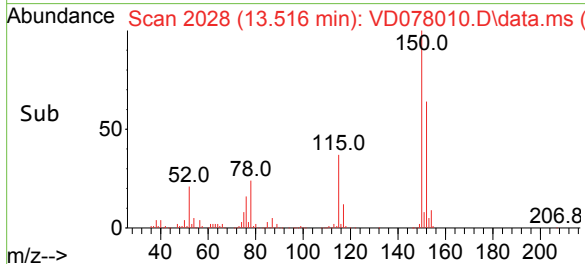
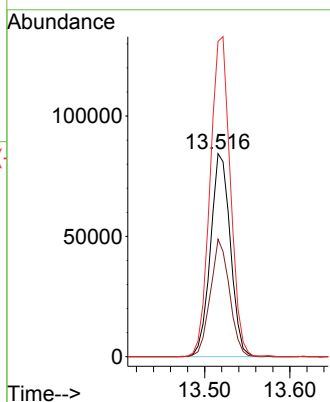
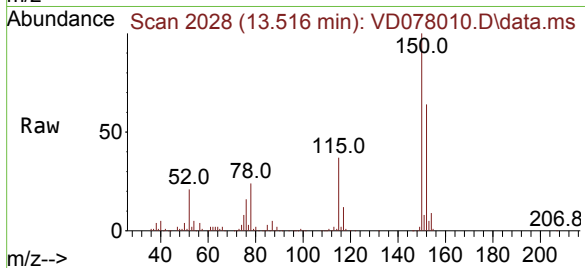
Tgt Ion:152 Resp: 136951

Ion Ratio Lower Upper

152 100

115 55.6 27.1 81.3

150 160.0 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 53.256 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078010.D

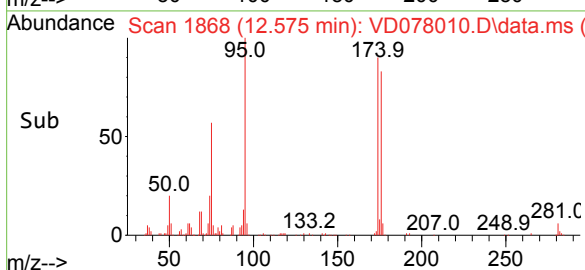
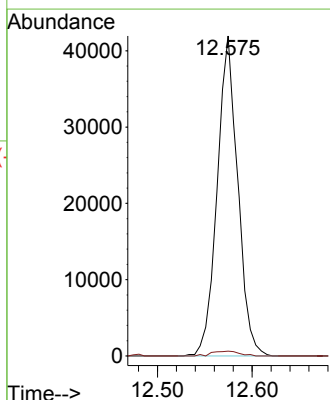
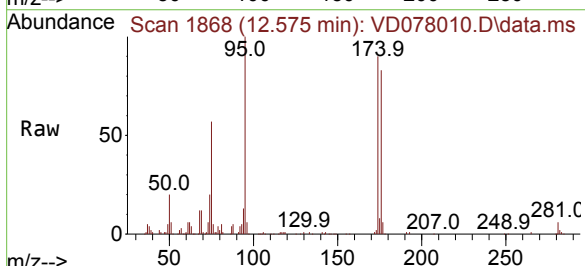
Acq: 20 Dec 2023 23:58

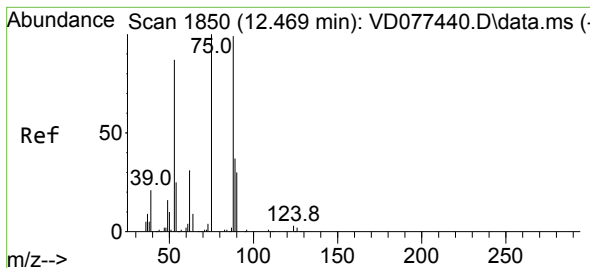
Tgt Ion: 75 Resp: 63344

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#

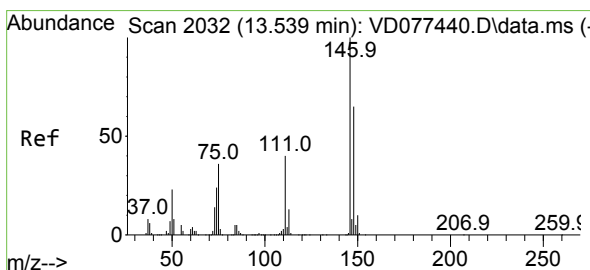
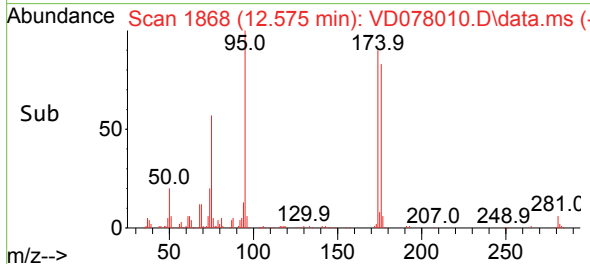
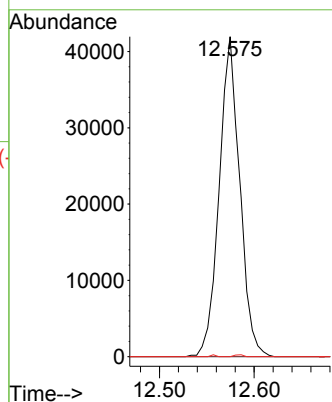
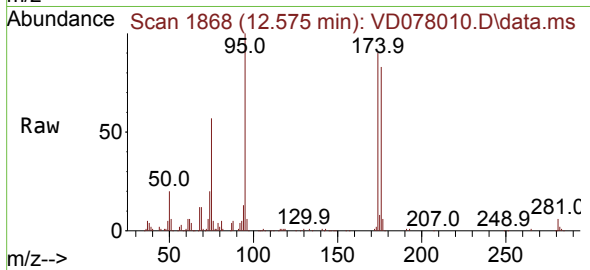




#81
trans-1,4-Dichloro-2-butene
Concen: 107.900 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078010.D
Acq: 20 Dec 2023 23:58

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 63344
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.3 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.516 min Scan# 2028
Delta R.T. -0.023 min
Lab File: VD078010.D
Acq: 20 Dec 2023 23:58

Tgt Ion:146 Resp: 506
Ion Ratio Lower Upper
146 100
111 391.7 17.4 52.3#
148 218.0 31.7 95.1#

