

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078033.D
 Acq On : 21 Dec 2023 18:29
 Operator : RP/MD
 Sample : 05877-04
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:29:12 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)

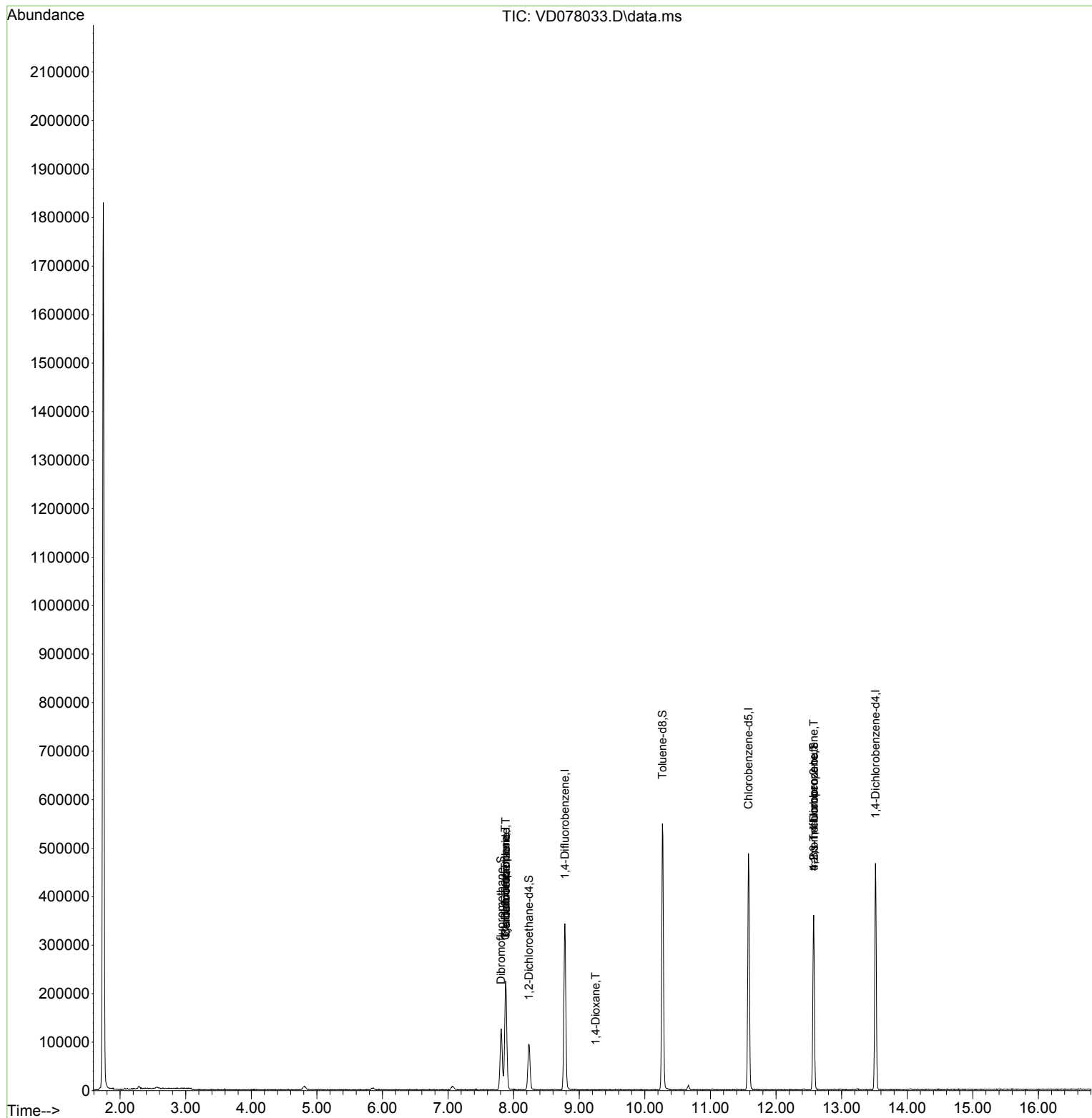
Internal Standards						
1) Pentafluorobenzene	7.881	168	171572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	302570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	283657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	122900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	74182	36.692	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	73.380%		
35) Dibromofluoromethane	7.810	113	90809	42.847	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.700%		
50) Toluene-d8	10.269	98	383272	45.152	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.300%		
62) 4-Bromofluorobenzene	12.575	95	106414	41.931	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.860%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.058	59	132	Below Cal	#	1
16) Acetone	4.022	43	399	Below Cal		96
20) Methylene Chloride	4.816	84	5638	Below Cal	#	88
25) 2-Butanone	7.087	43	233	Below Cal	#	37
31) Cyclohexane	7.875	56	4279	1.190	ug/l #	54
36) 1,1-Dichloropropene	7.875	75	14458	4.265	ug/l #	47
38) Carbon Tetrachloride	7.881	117	17513	5.182	ug/l #	16
49) 1,4-Dioxane	9.251	88	67	5.452	ug/l #	33
65) Chlorobenzene	11.640	112	60	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	55805	52.282	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	55805	105.926	ug/l #	17
88) 1,4-Dichlorobenzene	13.516	146	62	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.357	75	59	Below Cal	#	1

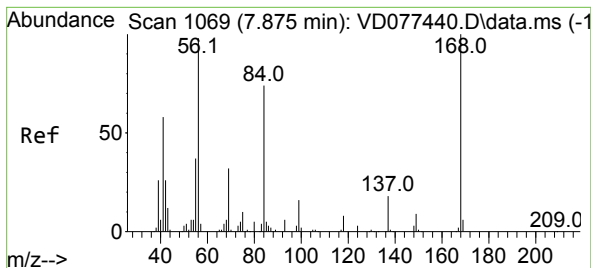
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 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: VD078033.D

Acq: 21 Dec 2023 18:29

Instrument :

MSVOA_D

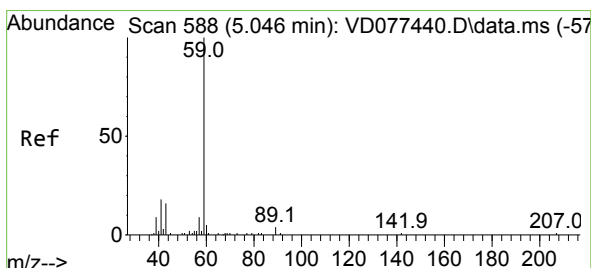
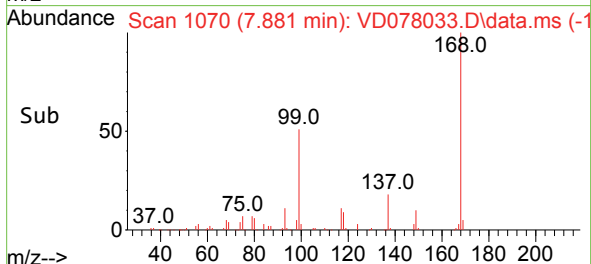
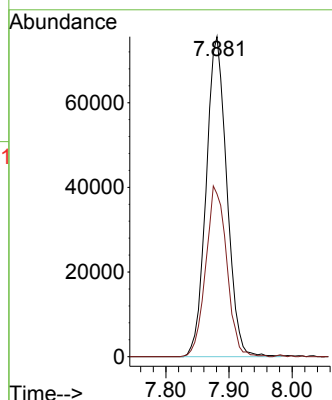
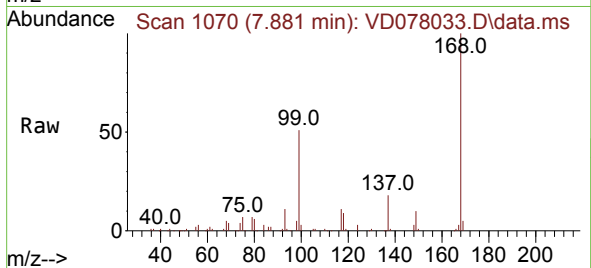
ClientSampleId :

Tgt Ion:168 Resp: 171572

Ion Ratio Lower Upper

168 100

99 50.8 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.058 min Scan# 590

Delta R.T. 0.012 min

Lab File: VD078033.D

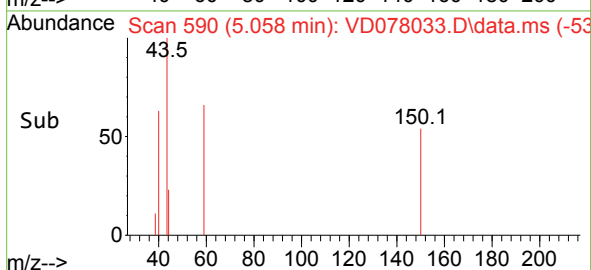
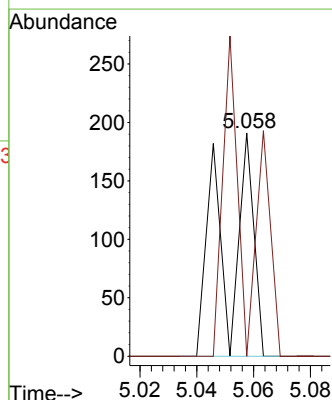
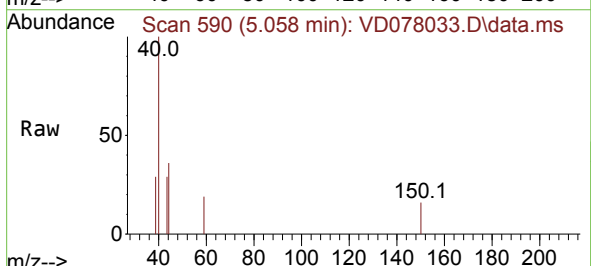
Acq: 21 Dec 2023 18:29

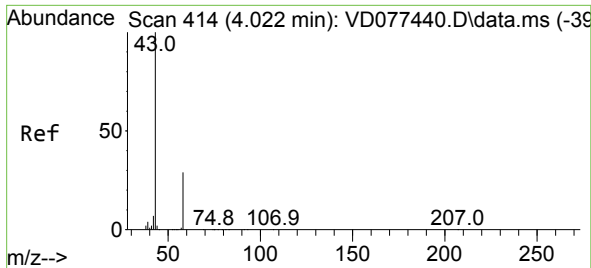
Tgt Ion: 59 Resp: 132

Ion Ratio Lower Upper

59 100

57 125.0 7.8 11.8#

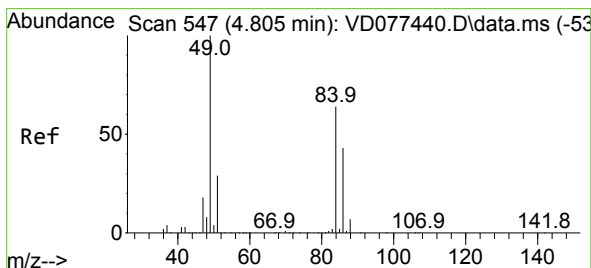
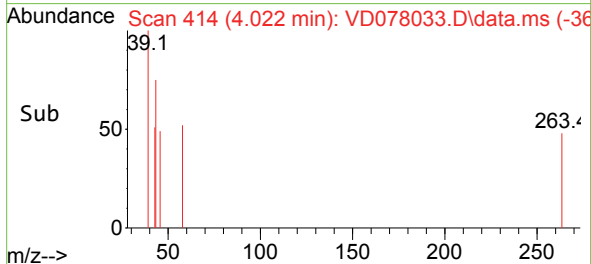
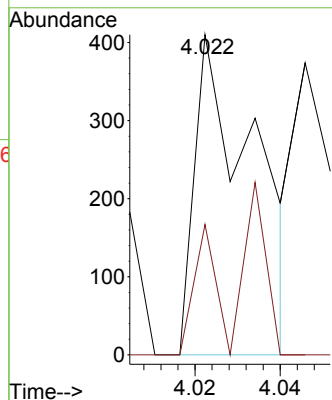
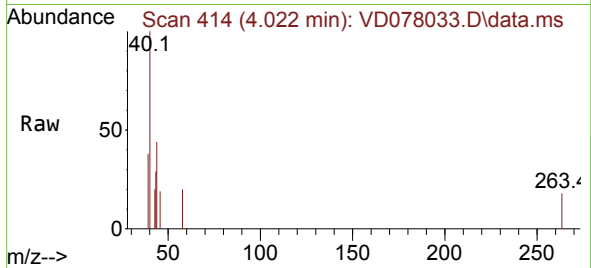




#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

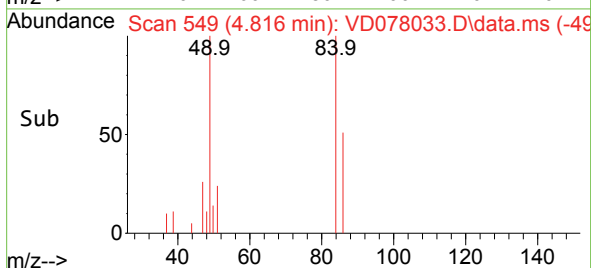
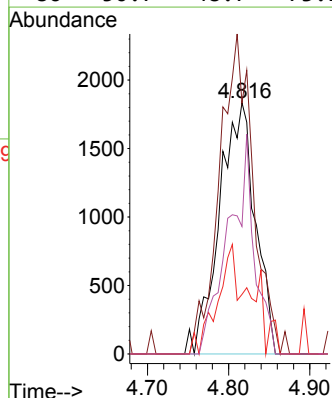
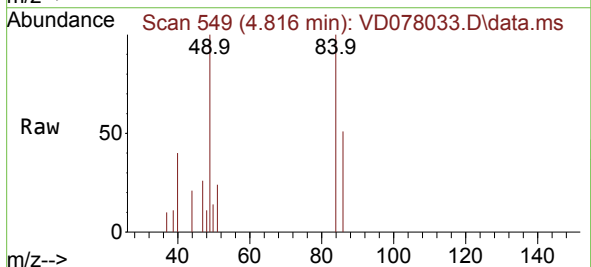
Instrument :
MSVOA_D
ClientSampleId :

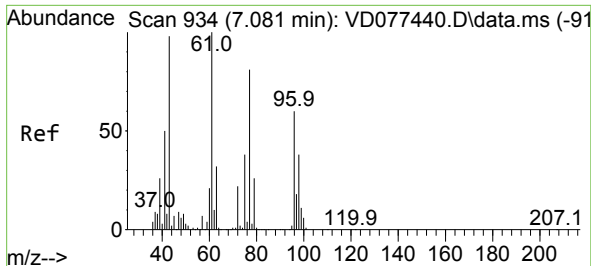
Tgt Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
58 40.7 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

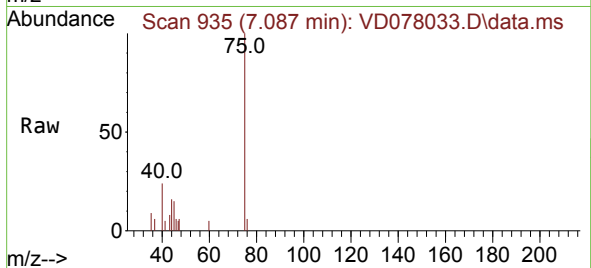
Tgt Ion: 84 Resp: 5638
Ion Ratio Lower Upper
84 100
49 99.9 71.4 107.2
51 23.7 24.5 36.7#
86 50.7 48.7 73.1



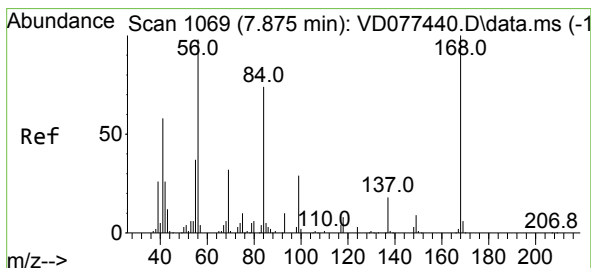
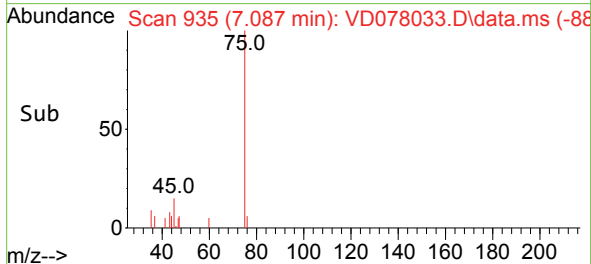
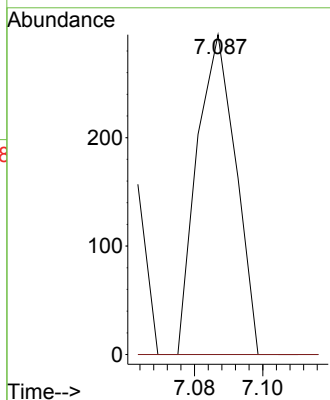


#25
2-Butanone
Concen: Below Cal
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

Instrument :
MSVOA_D
ClientSampleId :

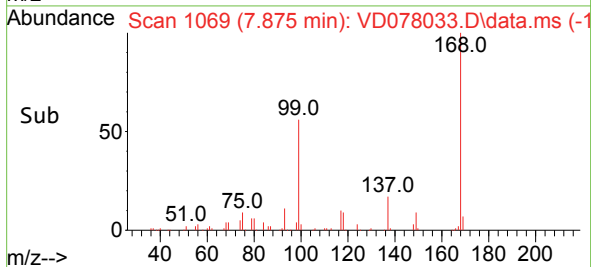
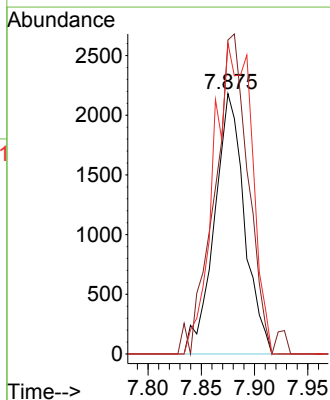
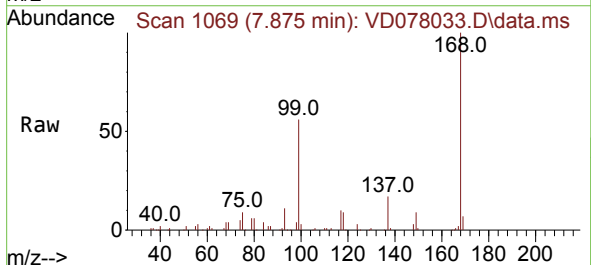


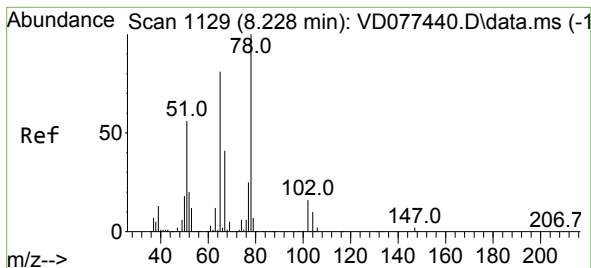
Tgt Ion: 43 Resp: 233
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.190 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

Tgt Ion: 56 Resp: 4279
Ion Ratio Lower Upper
56 100
69 120.6 28.6 43.0#
84 119.3 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 36.692 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078033.D

Acq: 21 Dec 2023 18:29

Instrument :

MSVOA_D

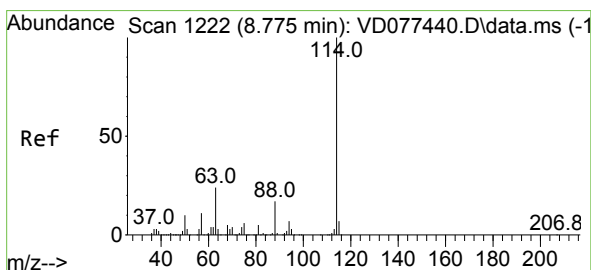
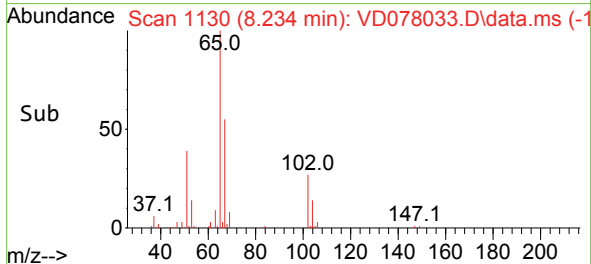
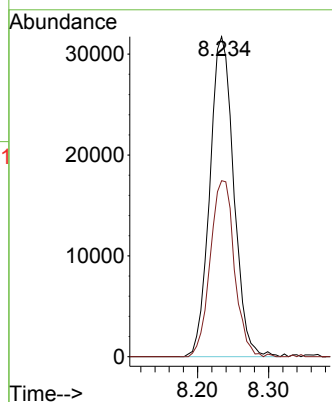
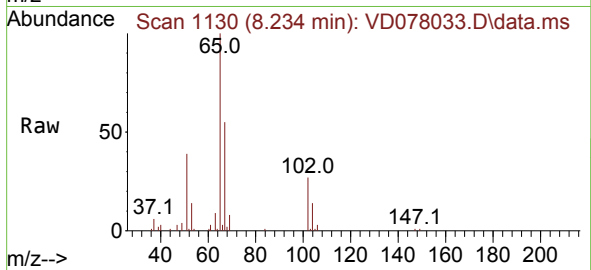
ClientSampleId :

Tgt Ion: 65 Resp: 74182

Ion Ratio Lower Upper

65 100

67 55.4 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: VD078033.D

Acq: 21 Dec 2023 18:29

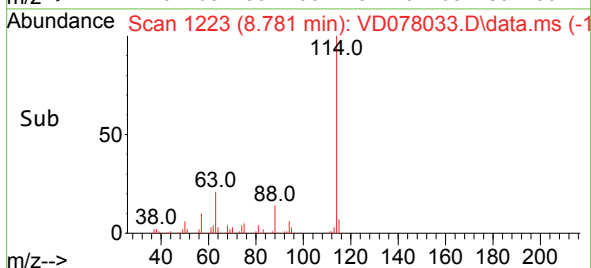
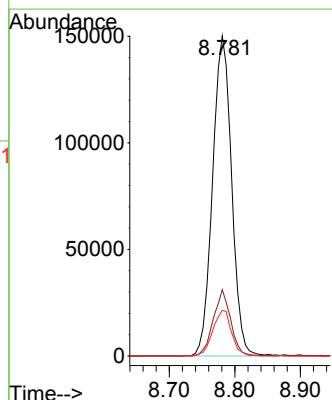
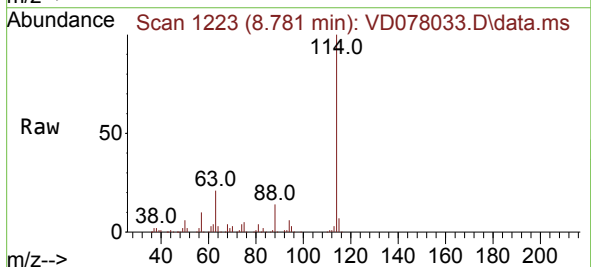
Tgt Ion: 114 Resp: 302570

Ion Ratio Lower Upper

114 100

63 20.7 0.0 33.4

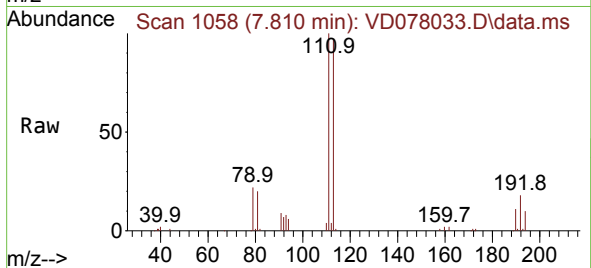
88 14.2 0.0 26.2



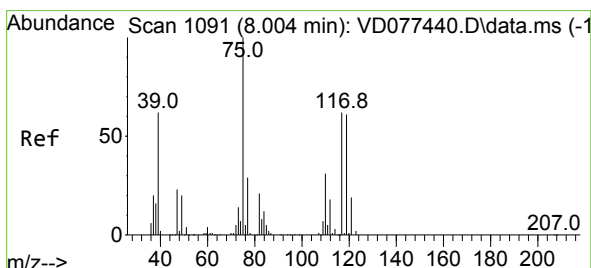
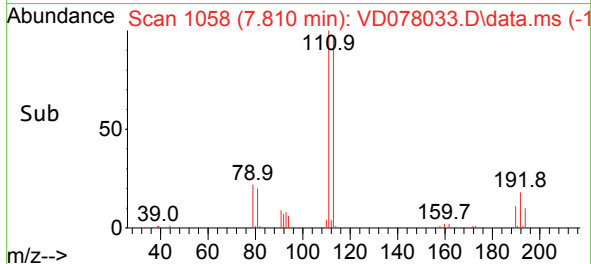
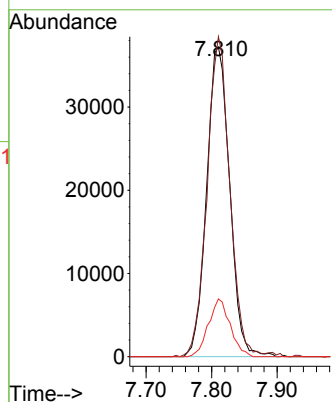


#35
Dibromofluoromethane
Concen: 42.847 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

Instrument :
MSVOA_D
ClientSampleId :

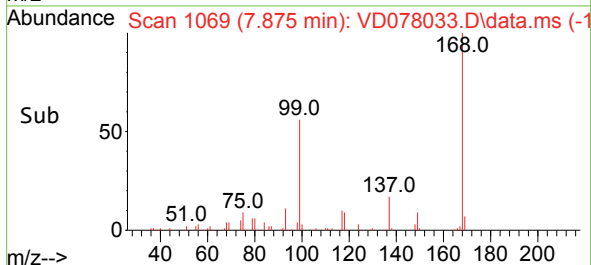
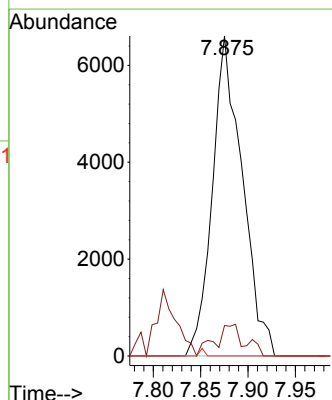
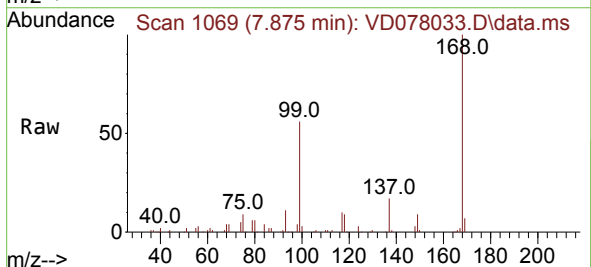


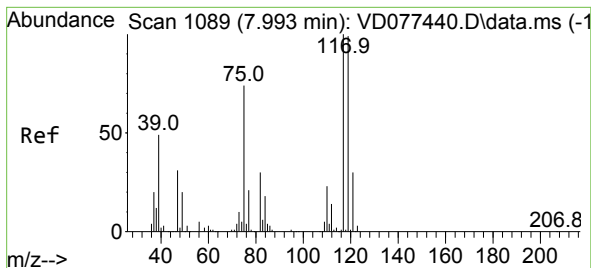
Tgt Ion:113 Resp: 90809
Ion Ratio Lower Upper
113 100
111 101.6 84.7 127.1
192 17.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.265 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

Tgt Ion: 75 Resp: 14458
Ion Ratio Lower Upper
75 100
110 8.2 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.182 ug/l

RT: 7.881 min Scan# 1

Delta R.T. -0.112 min

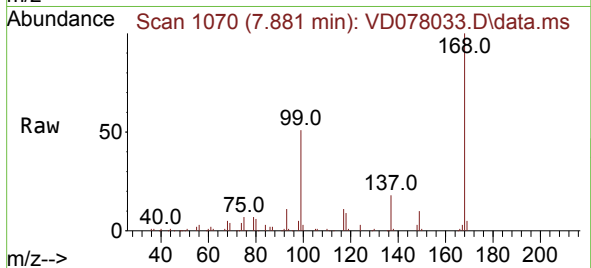
Lab File: VD078033.D

Acq: 21 Dec 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :



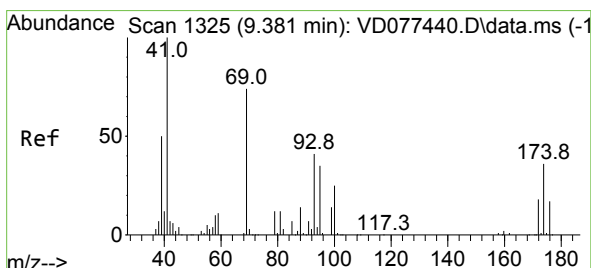
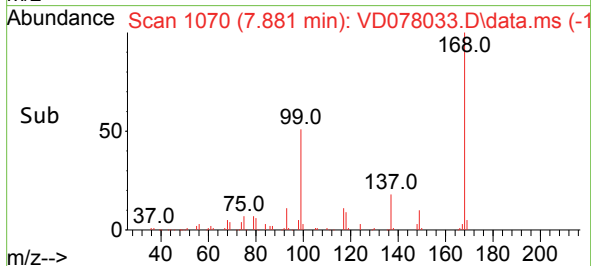
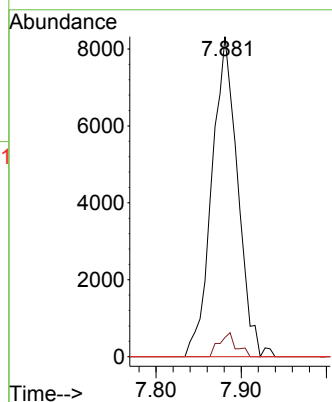
Tgt Ion:117 Resp: 17513

Ion Ratio Lower Upper

117 100

119 6.0 78.0 117.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 5.452 ug/l

RT: 9.251 min Scan# 1303

Delta R.T. -0.130 min

Lab File: VD078033.D

Acq: 21 Dec 2023 18:29

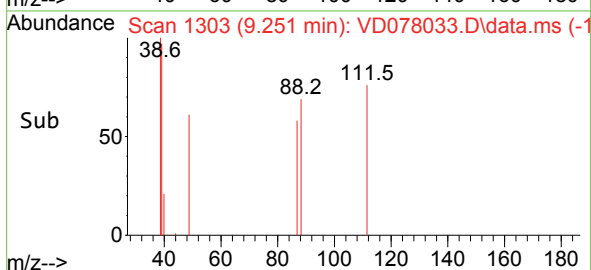
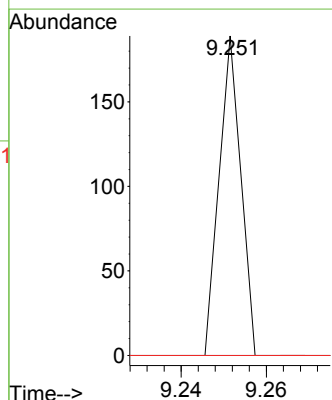
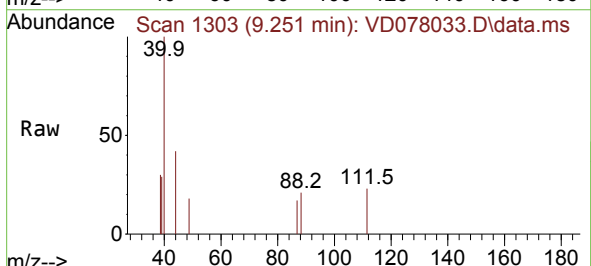
Tgt Ion: 88 Resp: 67

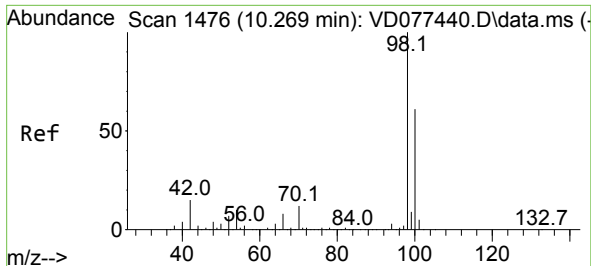
Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#

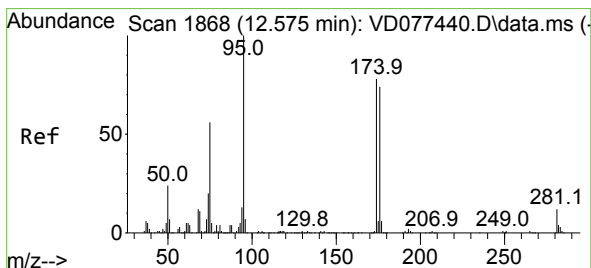
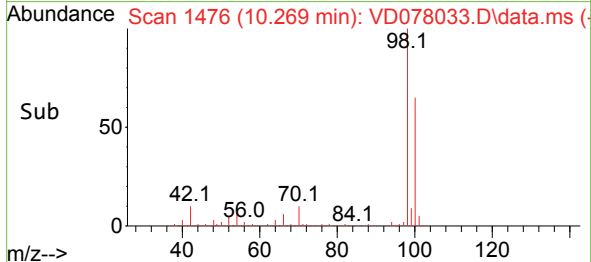
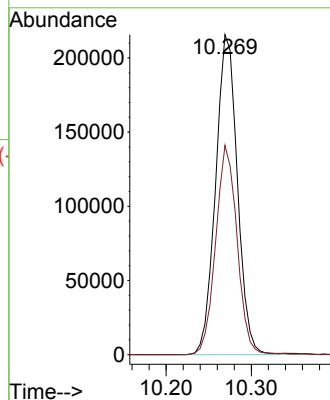
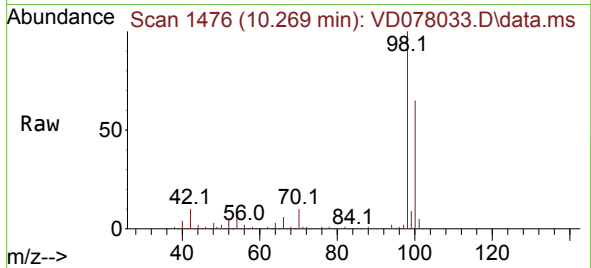




#50
Toluene-d8
Concen: 45.152 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

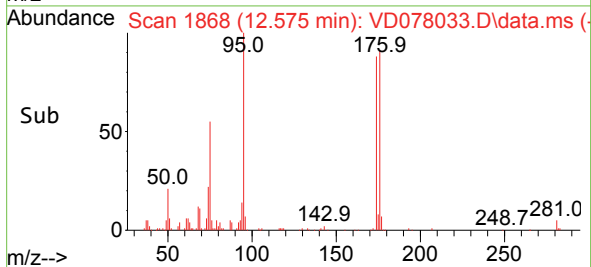
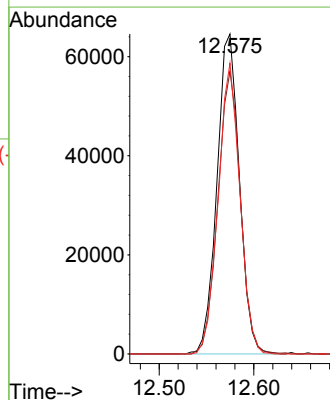
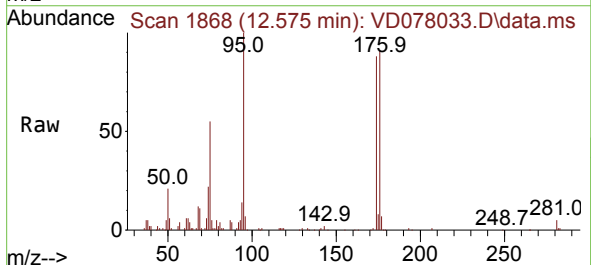
Instrument :
MSVOA_D
ClientSampleId :

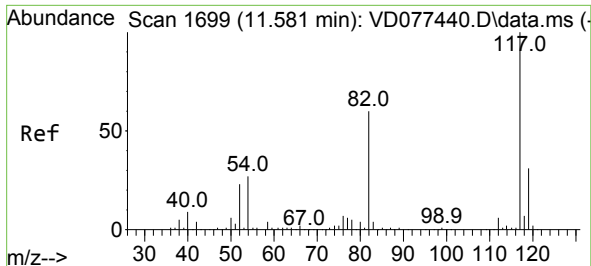
Tgt Ion: 98 Resp: 383272
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.931 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

Tgt Ion: 95 Resp: 106414
Ion Ratio Lower Upper
95 100
174 88.6 0.0 201.8
176 87.7 0.0 191.8

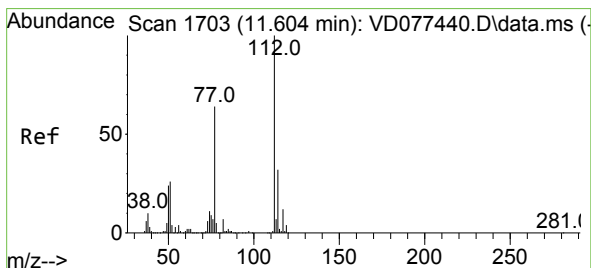
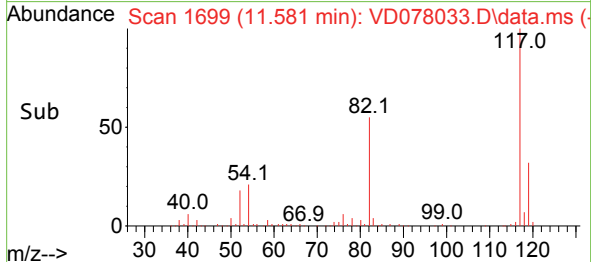
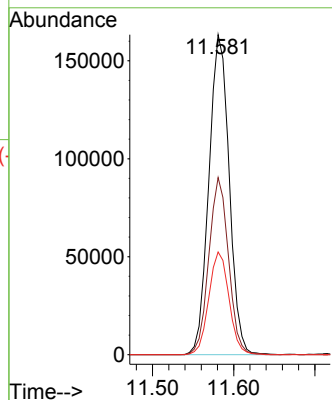
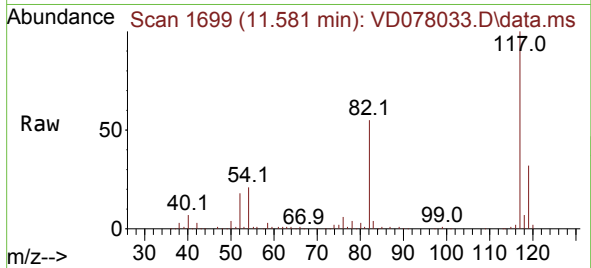




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

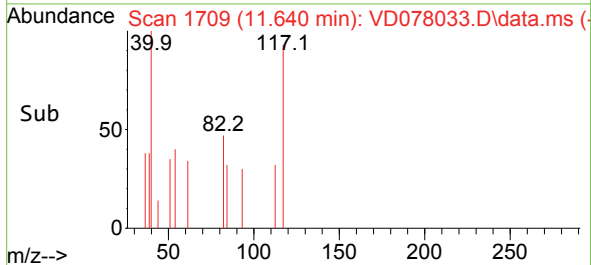
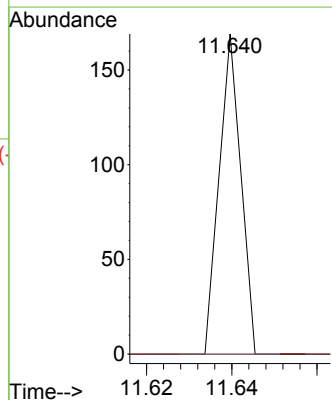
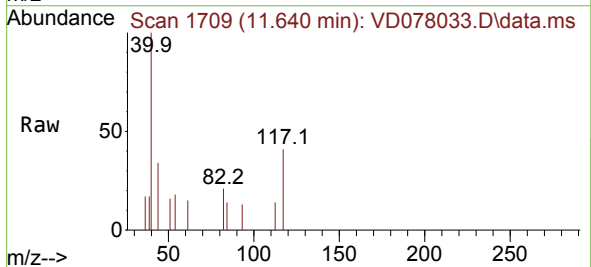
Instrument :
MSVOA_D
ClientSampleId :

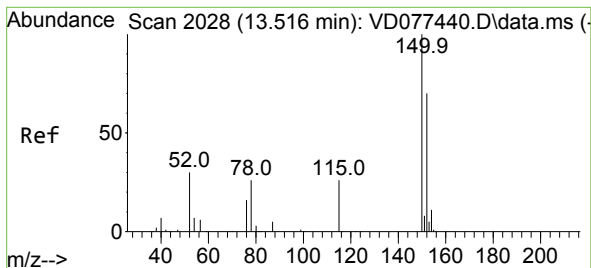
Tgt Ion:117 Resp: 283657
Ion Ratio Lower Upper
117 100
82 55.3 38.3 57.5
119 32.1 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.640 min Scan# 1709
Delta R.T. 0.036 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

Tgt Ion:112 Resp: 60
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD078033.D

Acq: 21 Dec 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

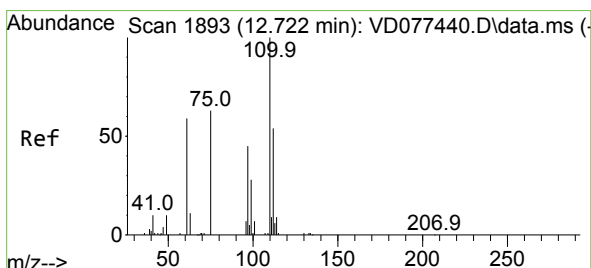
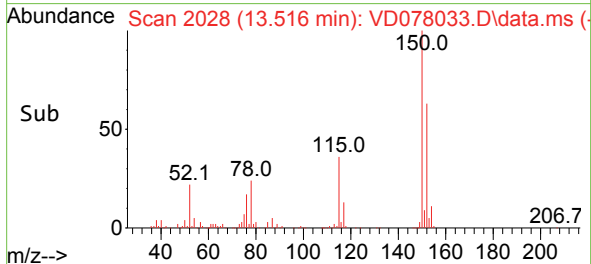
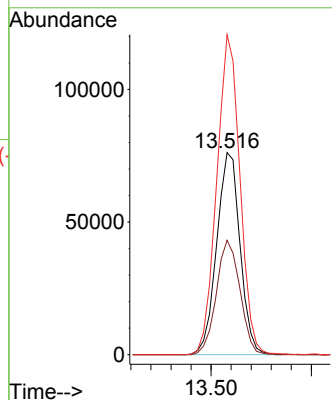
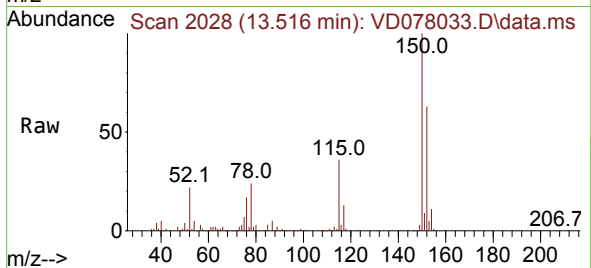
Tgt Ion:152 Resp: 122900

Ion Ratio Lower Upper

152 100

115 57.2 27.1 81.3

150 157.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 52.282 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078033.D

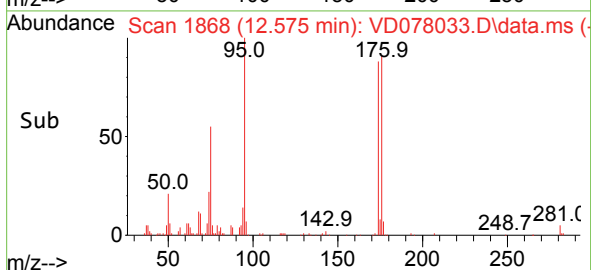
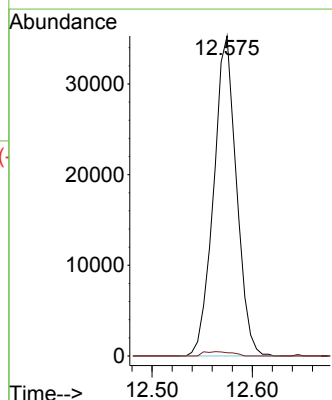
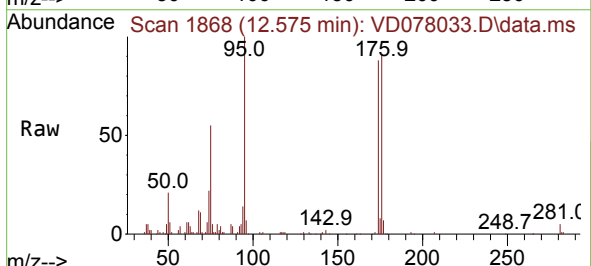
Acq: 21 Dec 2023 18:29

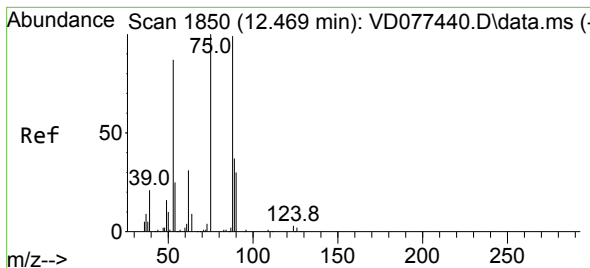
Tgt Ion: 75 Resp: 55805

Ion Ratio Lower Upper

75 100

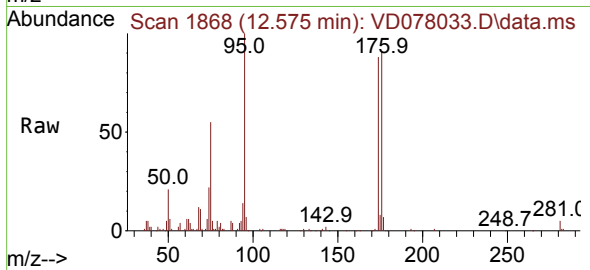
77 1.7 0.0 0.0#



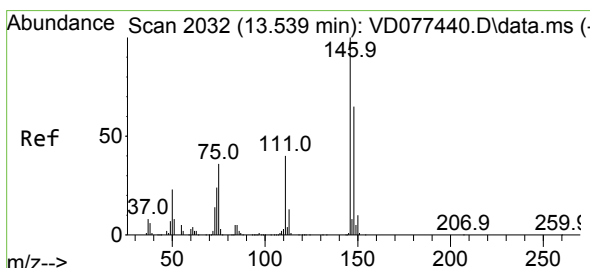
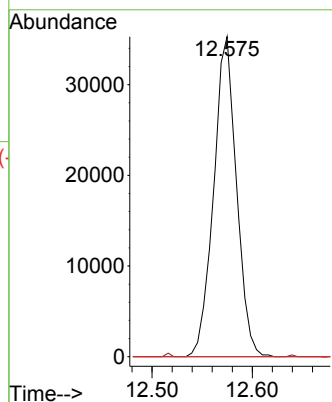
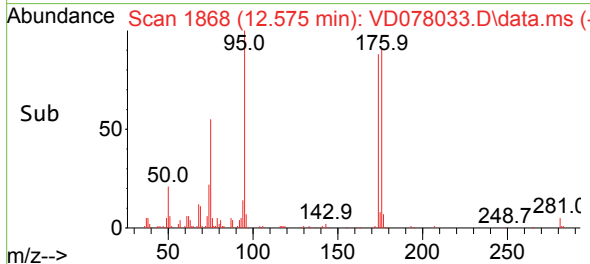


#81
trans-1,4-Dichloro-2-butene
Concen: 105.926 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078033.D
Acq: 21 Dec 2023 18:29

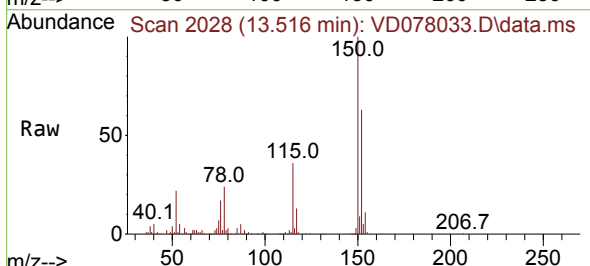
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 55805
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 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: VD078033.D
Acq: 21 Dec 2023 18:29



Tgt Ion: 146 Resp: 62
Ion Ratio Lower Upper
146 100
111 2493.5 17.4 52.3#
148 1924.2 31.7 95.1#

