

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078030.D
 Acq On : 21 Dec 2023 17:12
 Operator : RP/MD
 Sample : 05877-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:24:46 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)

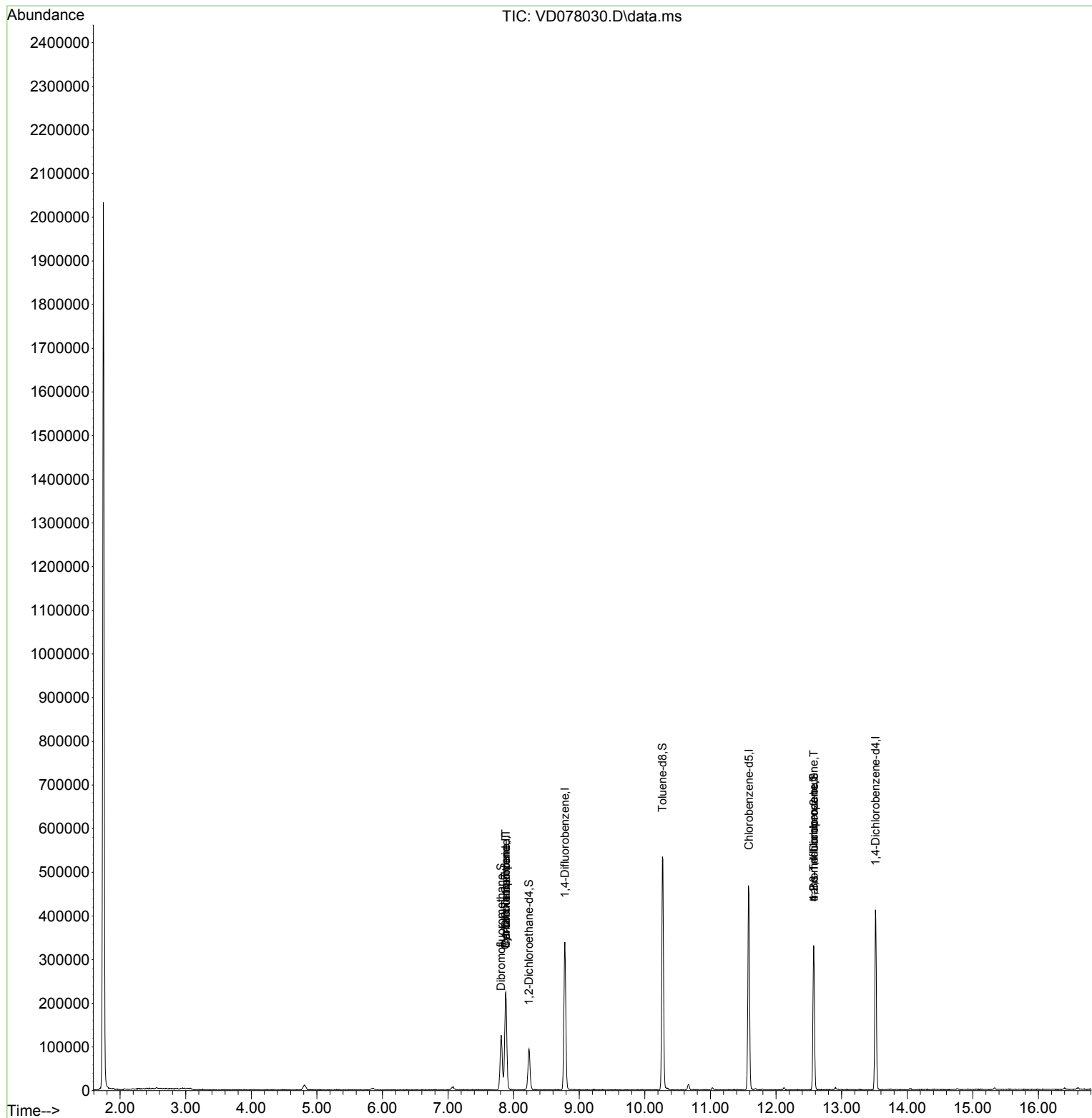
Internal Standards						
1) Pentafluorobenzene	7.881	168	169831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	301378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	274661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	110535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	71968	35.962	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	71.920%		
35) Dibromofluoromethane	7.810	113	89415	42.356	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.720%		
50) Toluene-d8	10.269	98	381968	45.176	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.360%		
62) 4-Bromofluorobenzene	12.575	95	98457	38.949	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	77.900%		
Target Compounds						
11) Tert butyl alcohol	5.058	59	81	Below Cal	#	73
16) Acetone	4.016	43	215	Below Cal	#	32
20) Methylene Chloride	4.805	84	7725	Below Cal	#	80
25) 2-Butanone	7.081	43	119	Below Cal	#	1
31) Cyclohexane	7.875	56	4081	1.147	ug/l #	64
36) 1,1-Dichloropropene	7.881	75	13755	4.073	ug/l #	50
38) Carbon Tetrachloride	7.881	117	17389	5.165	ug/l #	15
65) Chlorobenzene	11.598	112	67	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	52191	54.366	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	52191	110.148	ug/l #	17
88) 1,4-Dichlorobenzene	13.528	146	68	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.269	75	55	Below Cal	#	1

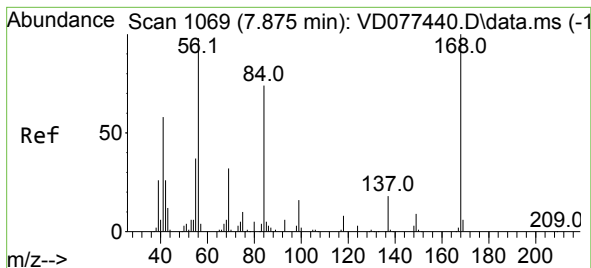
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 22 05:24:46 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD078030.D

Acq: 21 Dec 2023 17:12

Instrument :

MSVOA_D

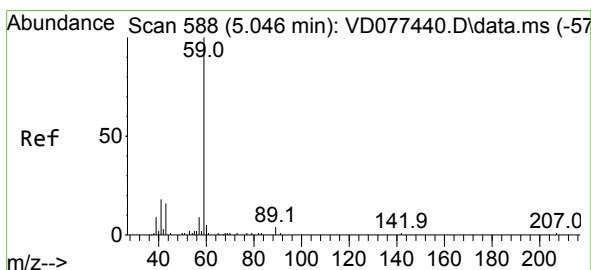
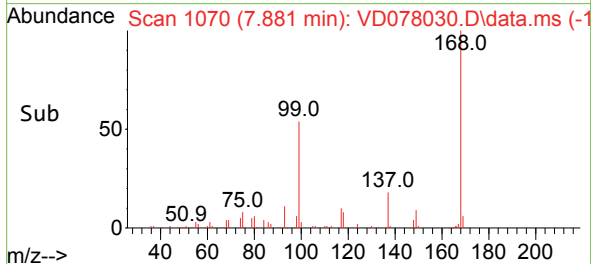
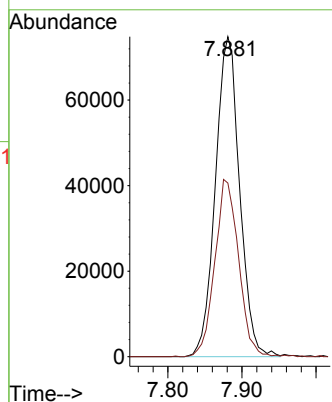
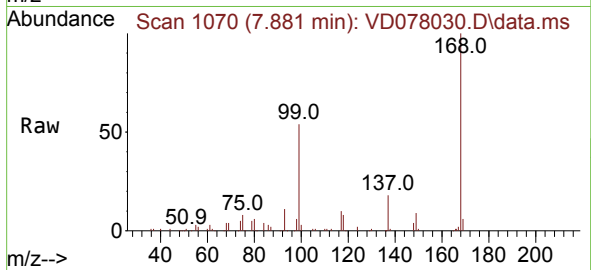
ClientSampleId :

Tgt Ion:168 Resp: 169831

Ion Ratio Lower Upper

168 100

99 54.3 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: VD078030.D

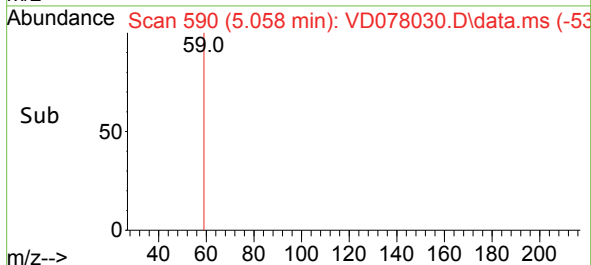
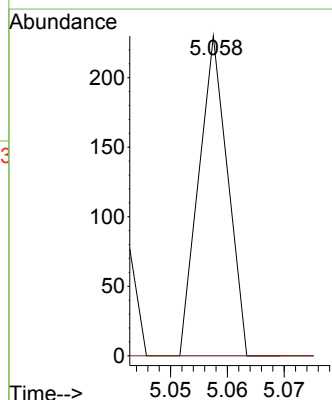
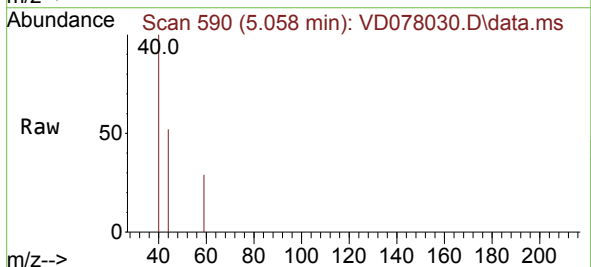
Acq: 21 Dec 2023 17:12

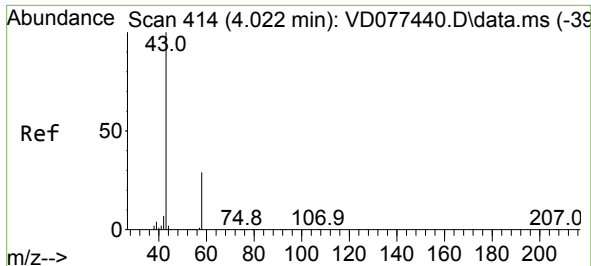
Tgt Ion: 59 Resp: 81

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

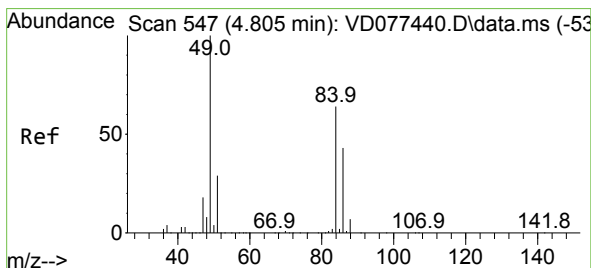
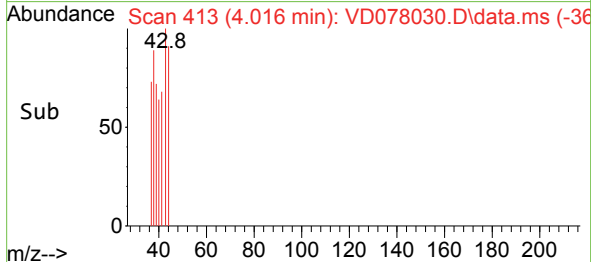
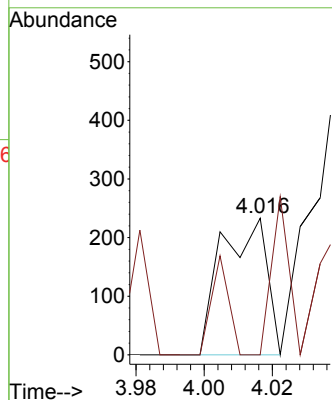
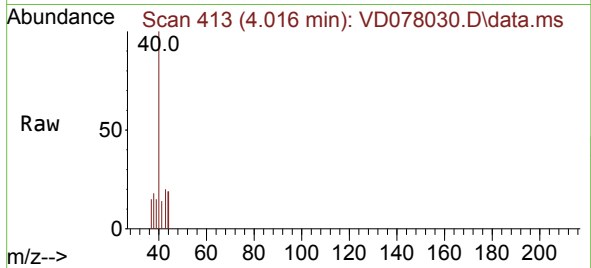




#16
Acetone
Concen: Below Cal
RT: 4.016 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD078030.D
Acq: 21 Dec 2023 17:12

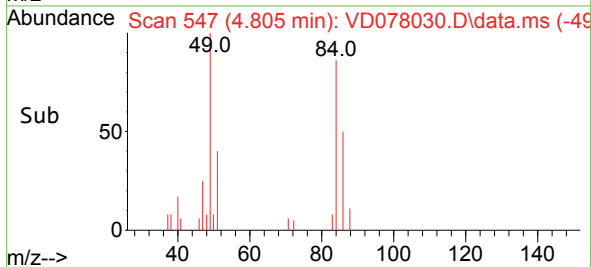
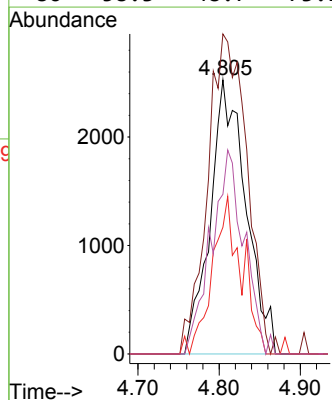
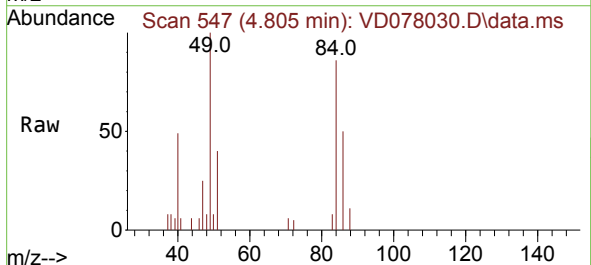
Instrument :
MSVOA_D
ClientSampleId :

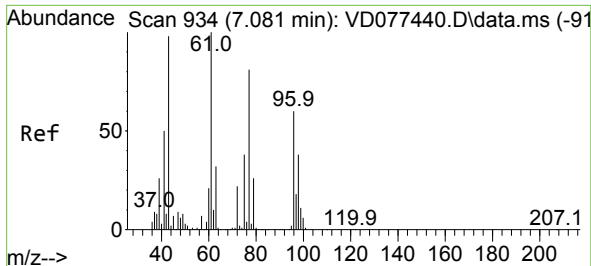
Tgt Ion: 43 Resp: 215
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD078030.D
Acq: 21 Dec 2023 17:12

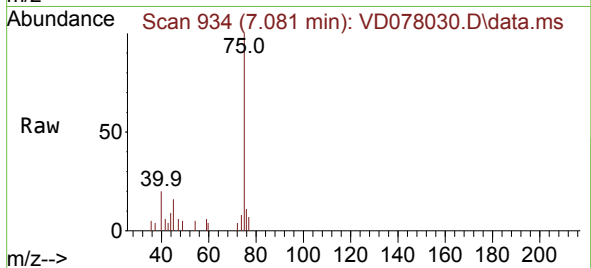
Tgt Ion: 84 Resp: 7725
Ion Ratio Lower Upper
84 100
49 116.7 71.4 107.2#
51 46.2 24.5 36.7#
86 58.3 48.7 73.1



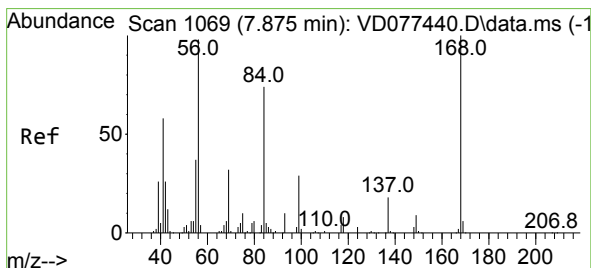
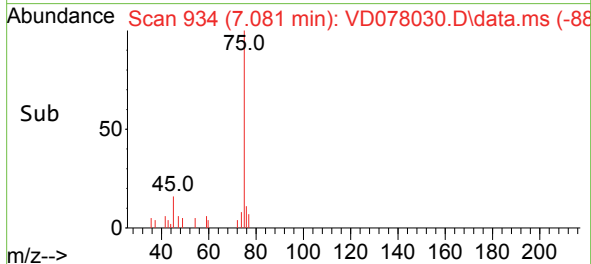
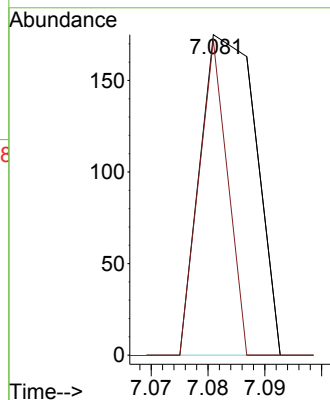


#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD078030.D
Acq: 21 Dec 2023 17:12

Instrument :
MSVOA_D
ClientSampleId :

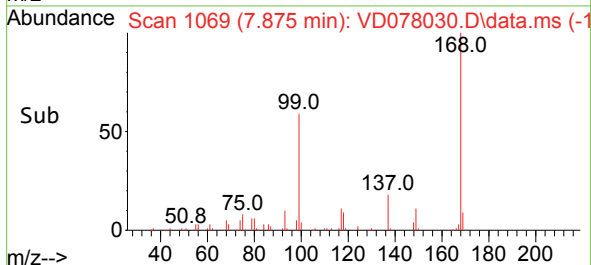
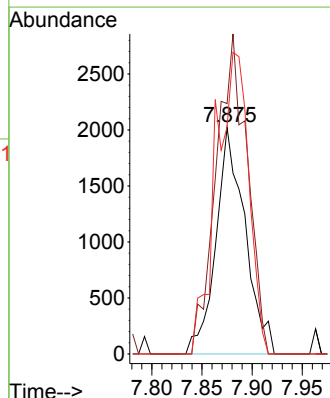
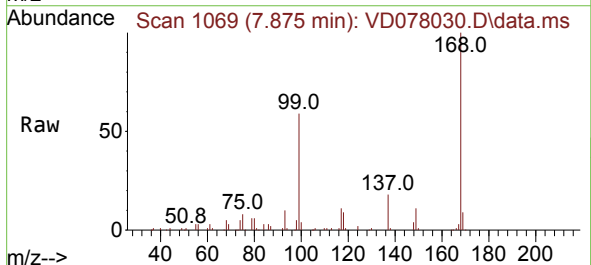


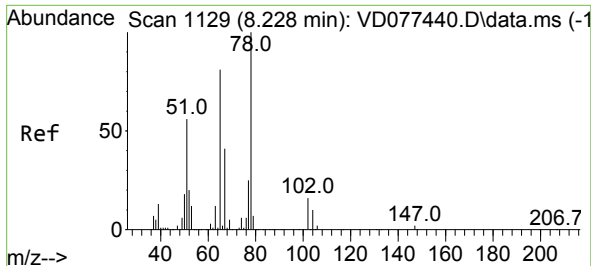
Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
72 98.3 30.7 46.1#



#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078030.D
Acq: 21 Dec 2023 17:12

Tgt Ion: 56 Resp: 4081
Ion Ratio Lower Upper
56 100
69 110.5 28.6 43.0#
84 100.3 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 35.962 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078030.D

Acq: 21 Dec 2023 17:12

Instrument :

MSVOA_D

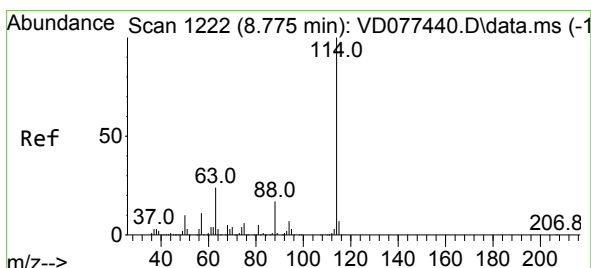
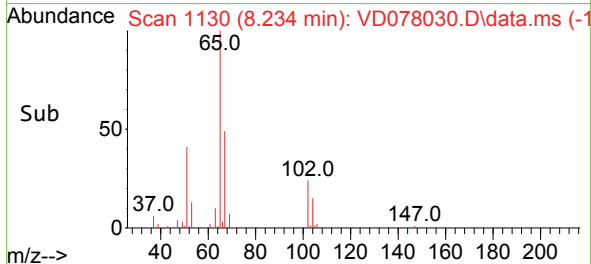
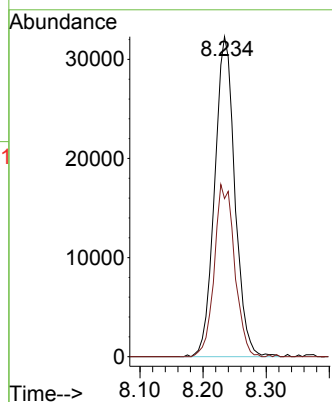
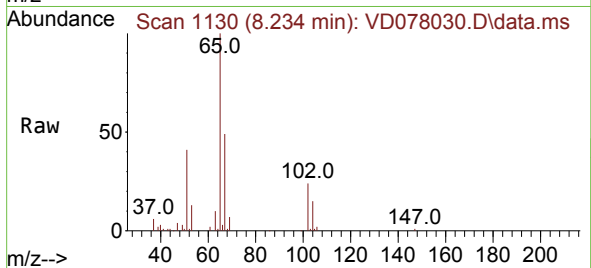
ClientSampleId :

Tgt Ion: 65 Resp: 71968

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# 1223

Delta R.T. 0.006 min

Lab File: VD078030.D

Acq: 21 Dec 2023 17:12

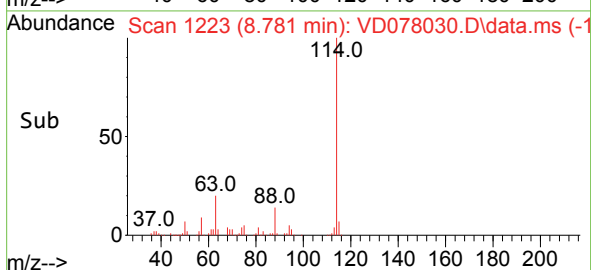
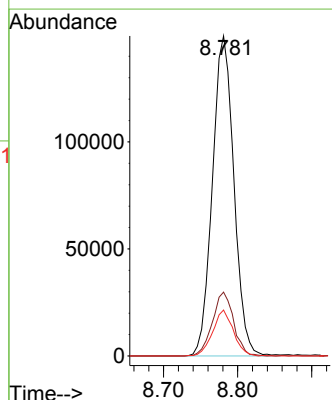
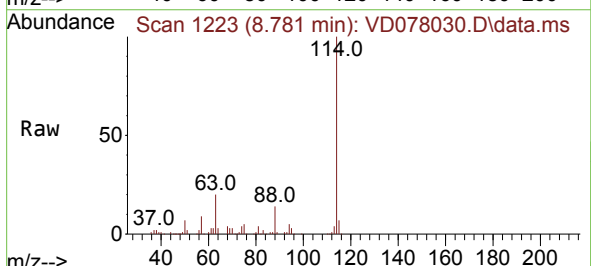
Tgt Ion: 114 Resp: 301378

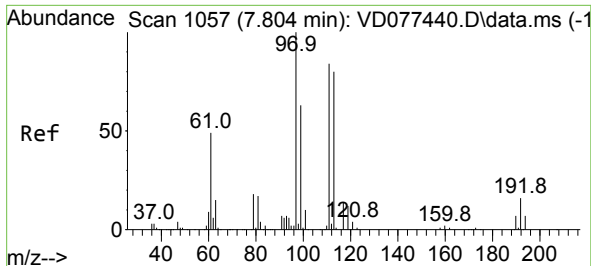
Ion Ratio Lower Upper

114 100

63 19.9 0.0 33.4

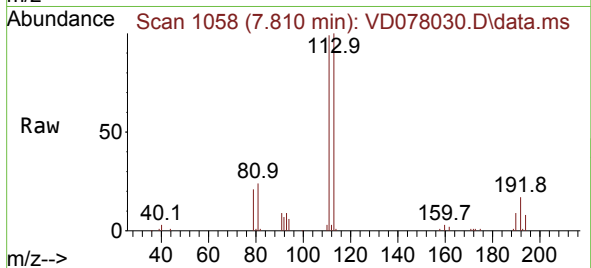
88 14.4 0.0 26.2



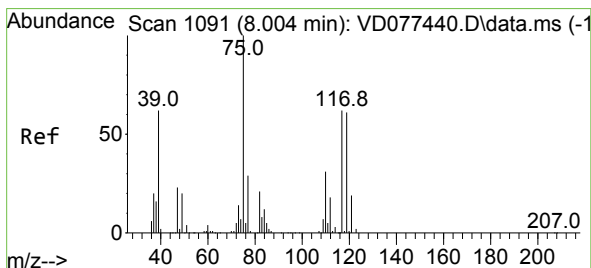
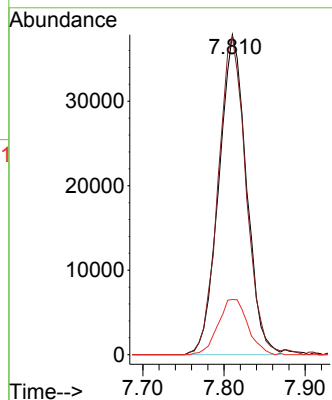
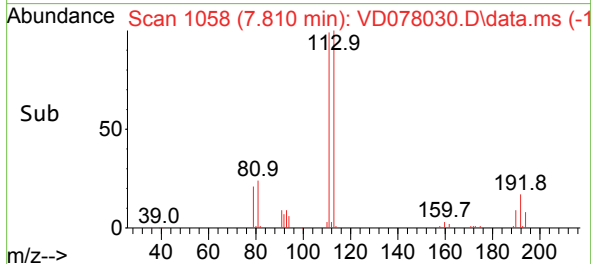


#35
Dibromofluoromethane
Concen: 42.356 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078030.D
Acq: 21 Dec 2023 17:12

Instrument :
MSVOA_D
ClientSampleId :

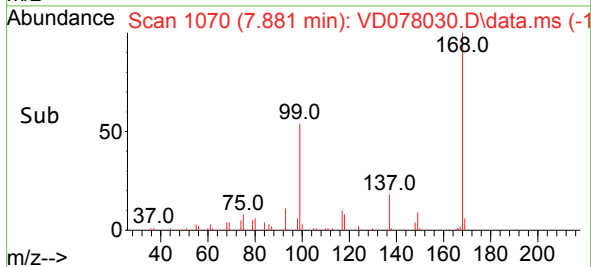
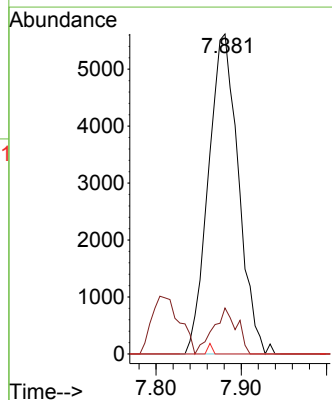
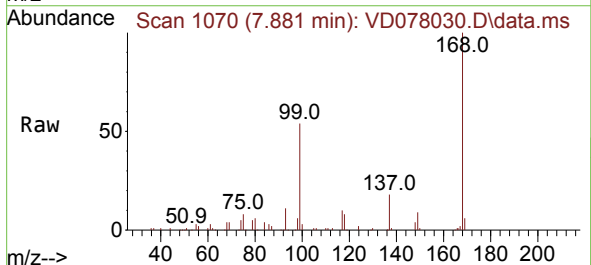


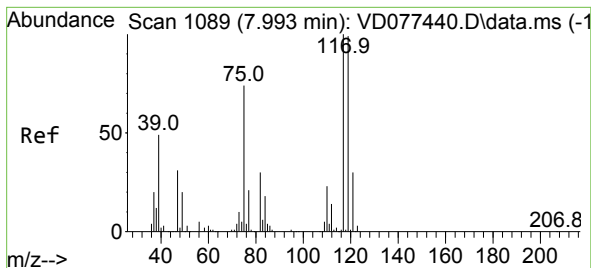
Tgt Ion:113 Resp: 89415
Ion Ratio Lower Upper
113 100
111 100.9 84.7 127.1
192 18.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.073 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD078030.D
Acq: 21 Dec 2023 17:12

Tgt Ion: 75 Resp: 13755
Ion Ratio Lower Upper
75 100
110 11.4 19.9 59.6#
77 0.5 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.165 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

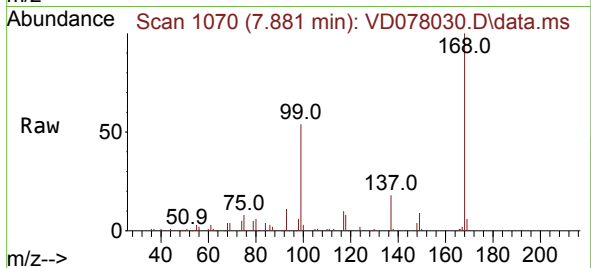
Lab File: VD078030.D

Acq: 21 Dec 2023 17:12

Instrument :

MSVOA_D

ClientSampleId :



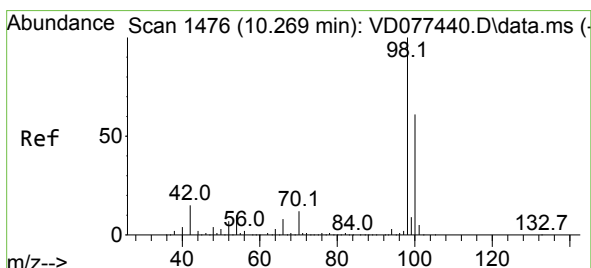
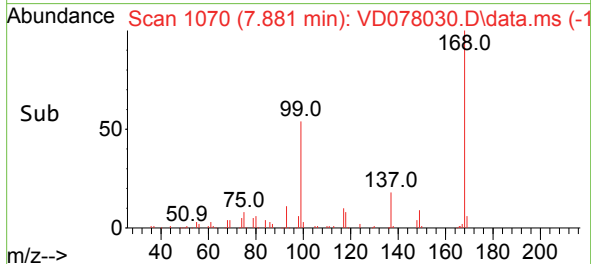
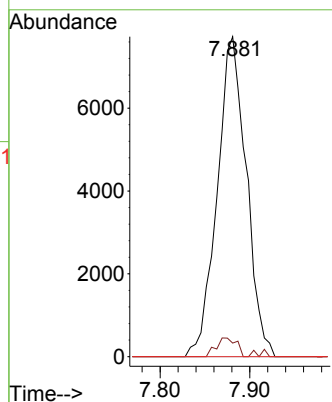
Tgt Ion:117 Resp: 17389

Ion Ratio Lower Upper

117 100

119 4.2 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.176 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078030.D

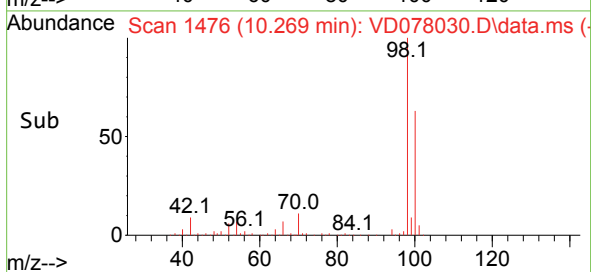
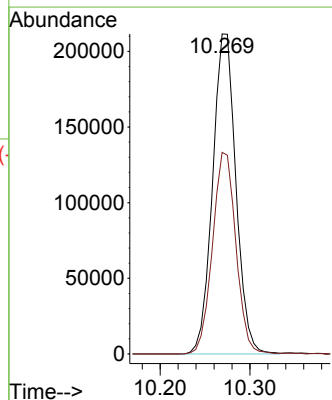
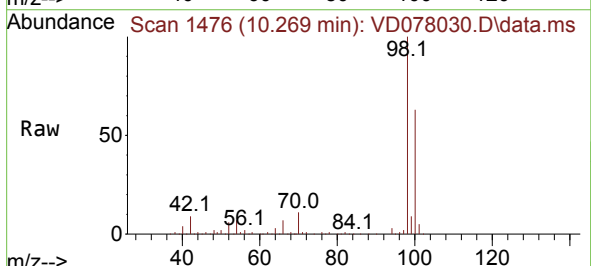
Acq: 21 Dec 2023 17:12

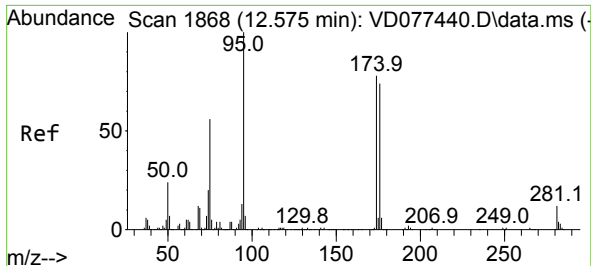
Tgt Ion: 98 Resp: 381968

Ion Ratio Lower Upper

98 100

100 63.2 50.3 75.5

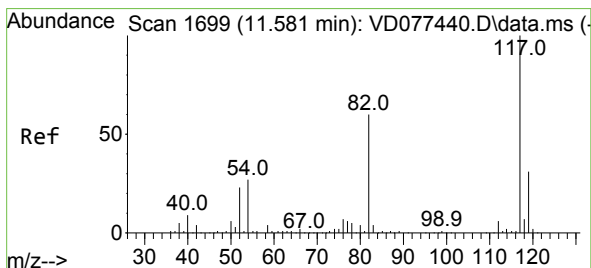
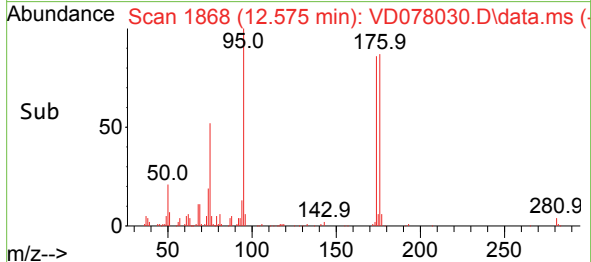
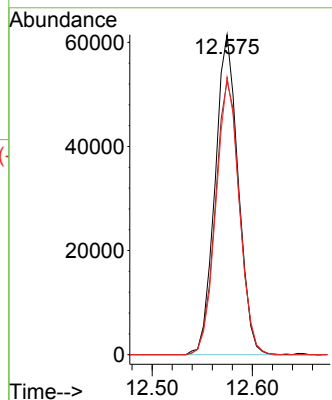
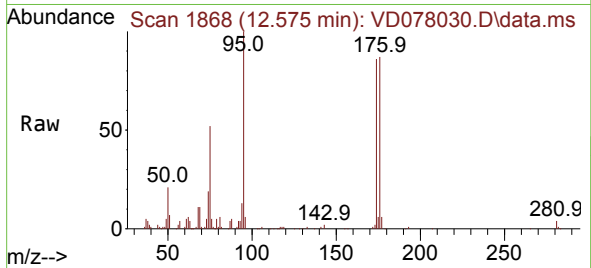




#62
4-Bromofluorobenzene
Concen: 38.949 ug/l
RT: 12.575 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD078030.D
Acq: 21 Dec 2023 17:12

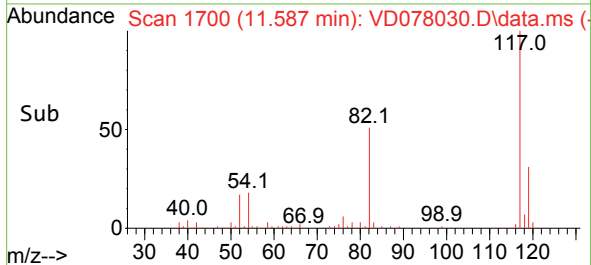
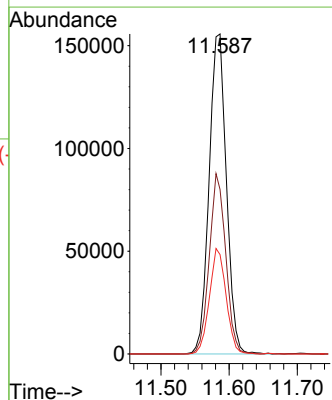
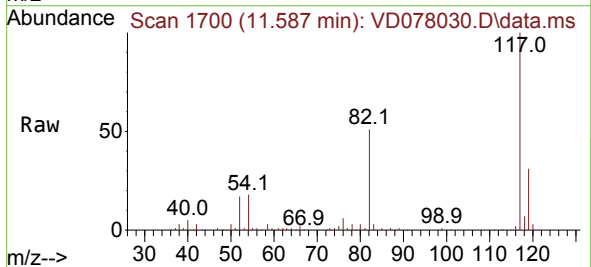
Instrument :
MSVOA_D
ClientSampleId :

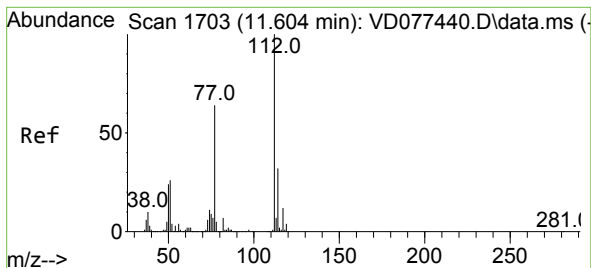
Tgt Ion: 95 Resp: 98457
Ion Ratio Lower Upper
95 100
174 88.8 0.0 201.8
176 86.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD078030.D
Acq: 21 Dec 2023 17:12

Tgt Ion: 117 Resp: 274661
Ion Ratio Lower Upper
117 100
82 51.4 38.3 57.5
119 31.1 25.0 37.4





#65

Chlorobenzene

Concen: Below Cal

RT: 11.598 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078030.D

Acq: 21 Dec 2023 17:12

Instrument :

MSVOA_D

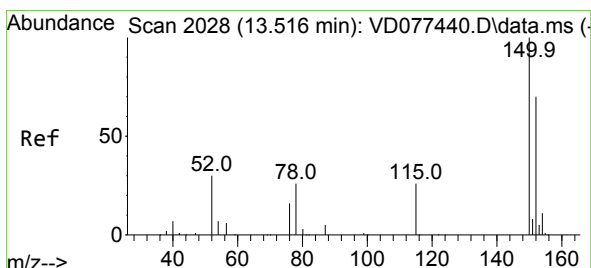
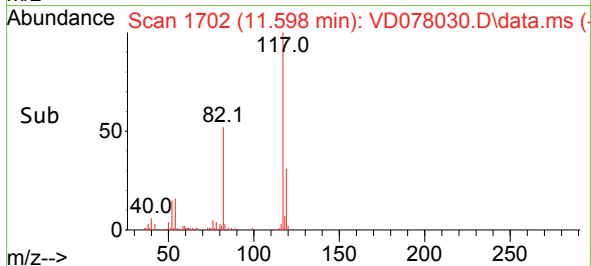
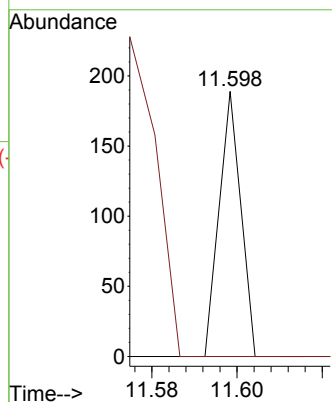
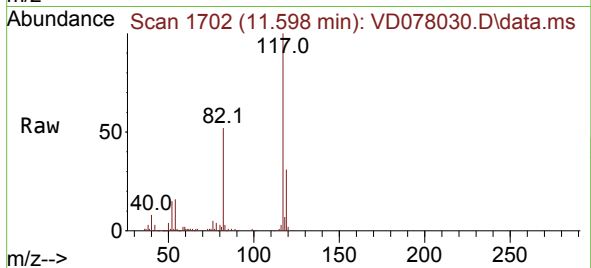
ClientSampleId :

Tgt Ion:112 Resp: 67

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# 2028

Delta R.T. -0.000 min

Lab File: VD078030.D

Acq: 21 Dec 2023 17:12

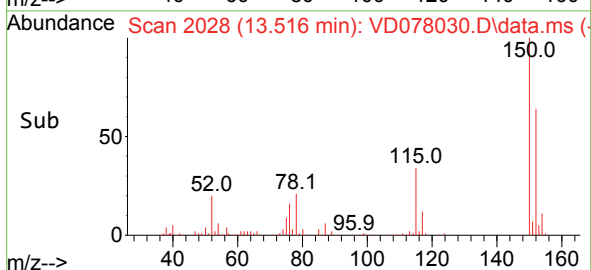
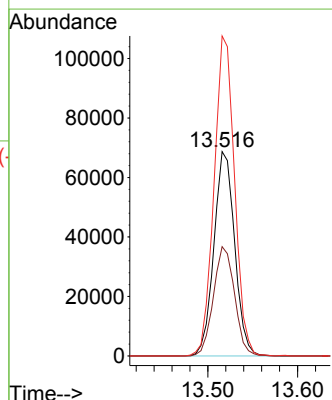
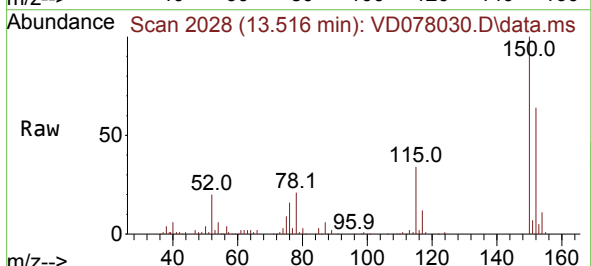
Tgt Ion:152 Resp: 110535

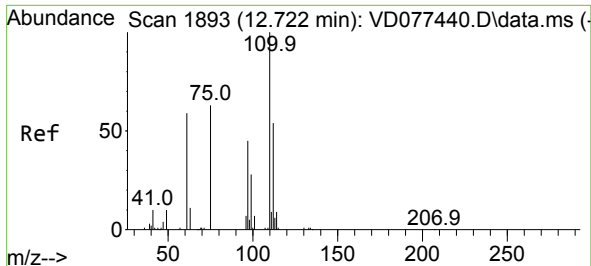
Ion Ratio Lower Upper

152 100

115 54.4 27.1 81.3

150 154.2 0.0 353.6

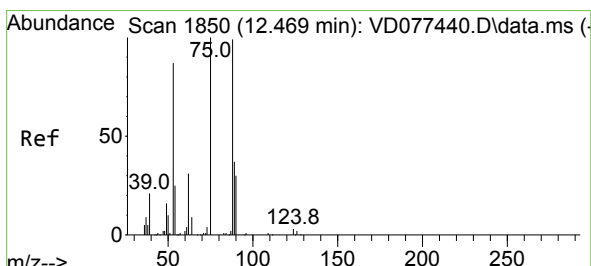
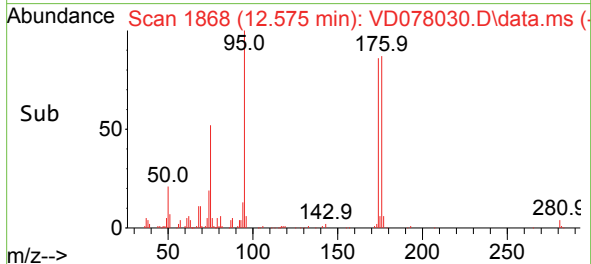
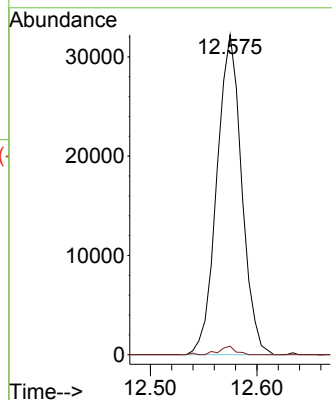
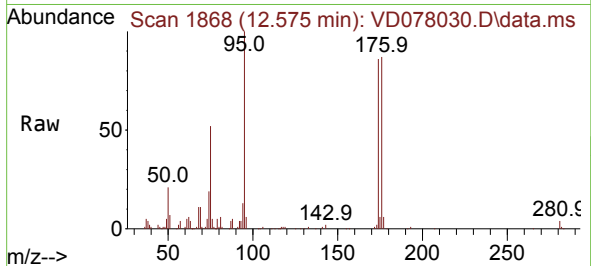




#76
1,2,3-Trichloropropane
Concen: 54.366 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078030.D
Acq: 21 Dec 2023 17:12

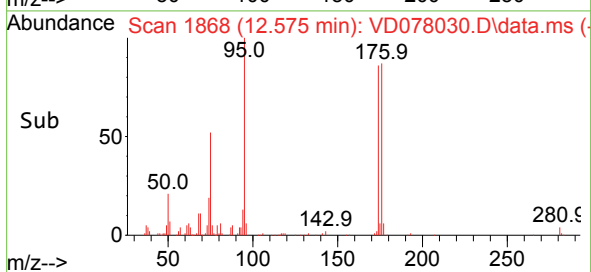
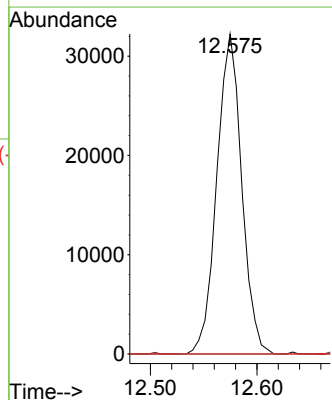
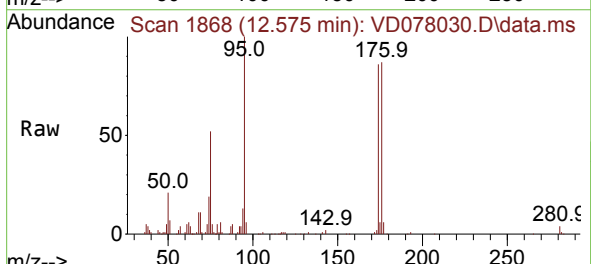
Instrument :
MSVOA_D
ClientSampleId :

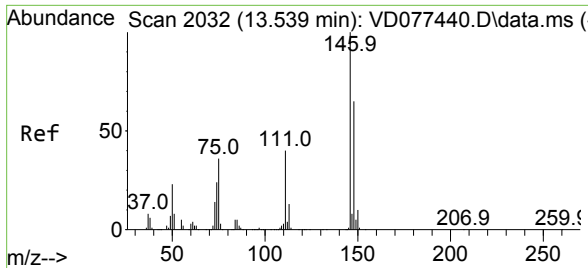
Tgt Ion: 75 Resp: 52191
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.148 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078030.D
Acq: 21 Dec 2023 17:12

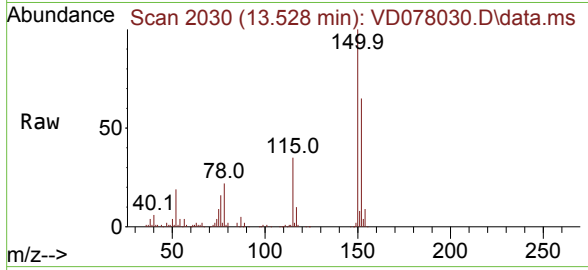
Tgt Ion: 75 Resp: 52191
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.528 min Scan# 2030
 Delta R.T. -0.011 min
 Lab File: VD078030.D
 Acq: 21 Dec 2023 17:12

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	68
Ion	Ratio	Lower	Upper
146	100		
111	2338.2	17.4	52.3#
148	1367.6	31.7	95.1#

