

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078051.D
 Acq On : 22 Dec 2023 04:46
 Operator : RP/MD
 Sample : 05877-19
 Misc : 3.74G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 07:51:50 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)

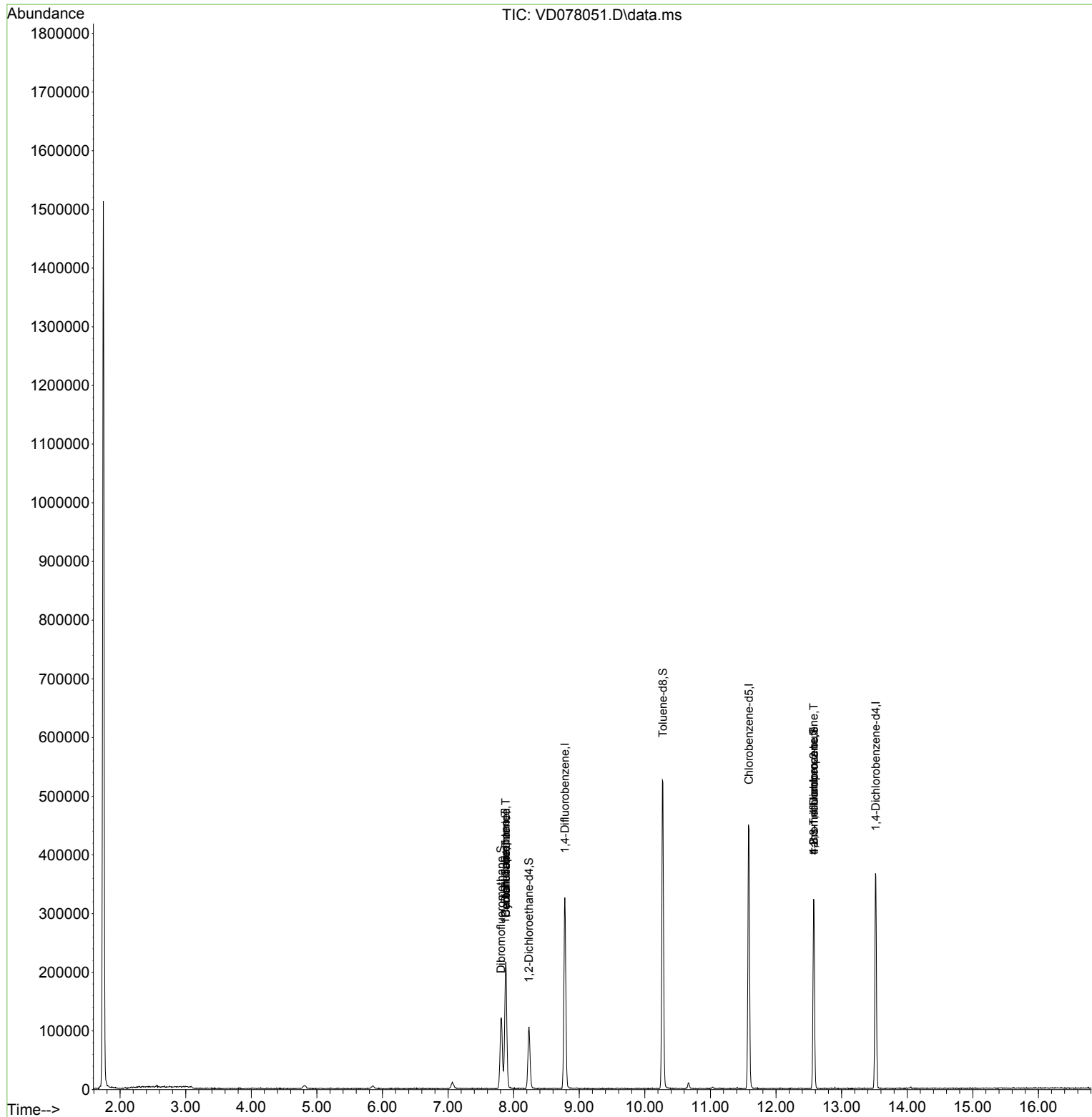
Internal Standards						
1) Pentafluorobenzene	7.881	168	163388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	291102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	265533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	98974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	79629	41.359	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.720%		
35) Dibromofluoromethane	7.810	113	90520	44.393	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.780%		
50) Toluene-d8	10.275	98	374244	45.825	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.660%		
62) 4-Bromofluorobenzene	12.575	95	95928	39.288	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	78.580%		
Target Compounds						
11) Tert butyl alcohol	5.034	59	372	Below Cal	#	83
16) Acetone	4.010	43	724	Below Cal	#	32
20) Methylene Chloride	4.822	84	3732	Below Cal	#	87
25) 2-Butanone	7.093	43	154	Below Cal	#	37
31) Cyclohexane	7.881	56	3866	1.129	ug/l #	30
36) 1,1-Dichloropropene	7.875	75	14496	4.444	ug/l #	49
38) Carbon Tetrachloride	7.881	117	15404	4.737	ug/l #	17
65) Chlorobenzene	11.616	112	116	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	50630	58.900	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	50630	119.335	ug/l #	17
88) 1,4-Dichlorobenzene	13.528	146	56	Below Cal	#	1

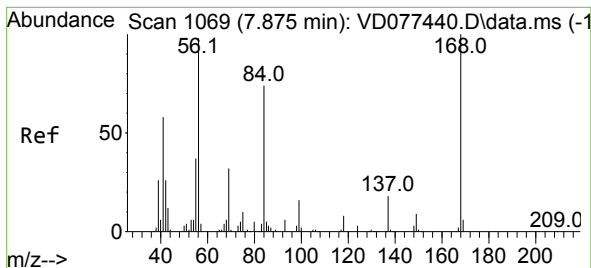
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD078051.D

Acq: 22 Dec 2023 04:46

Instrument :

MSVOA_D

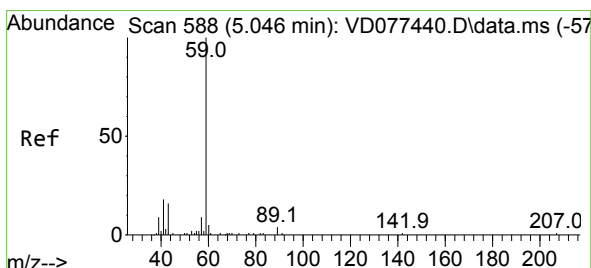
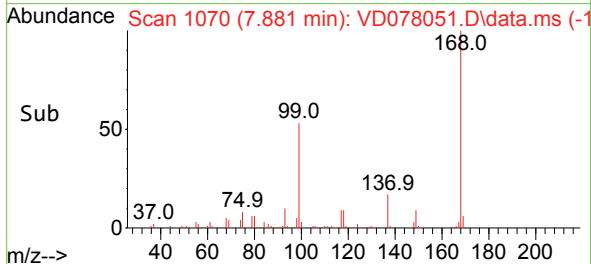
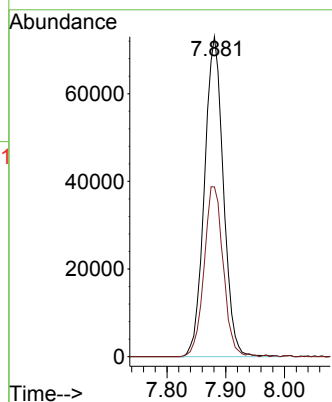
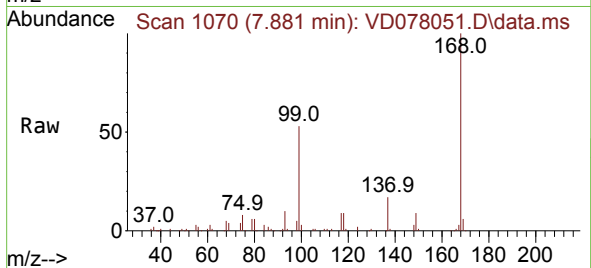
ClientSampleId :

Tgt Ion:168 Resp: 163388

Ion Ratio Lower Upper

168 100

99 53.0 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.034 min Scan# 586

Delta R.T. -0.012 min

Lab File: VD078051.D

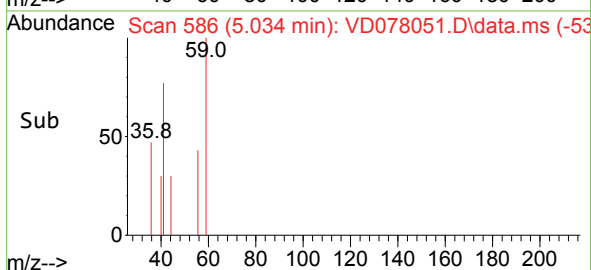
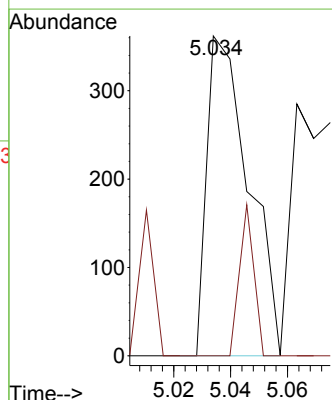
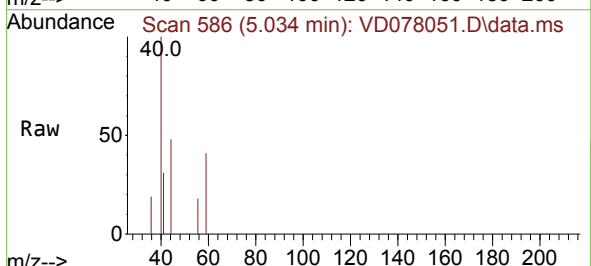
Acq: 22 Dec 2023 04:46

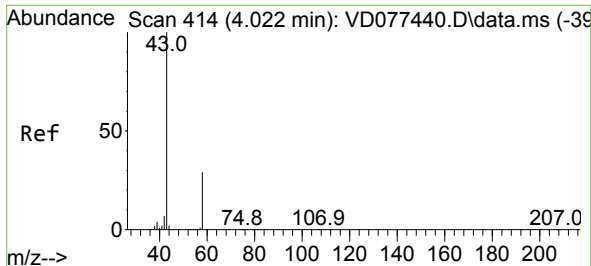
Tgt Ion: 59 Resp: 372

Ion Ratio Lower Upper

59 100

57 16.1 7.8 11.8#

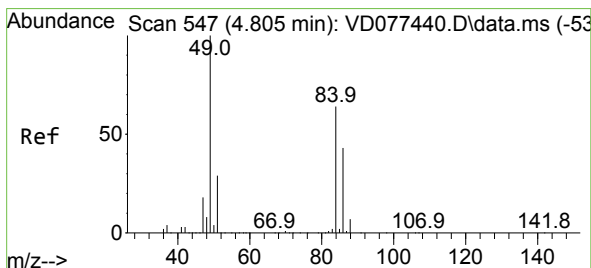
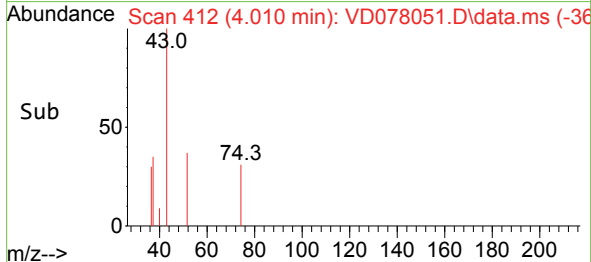
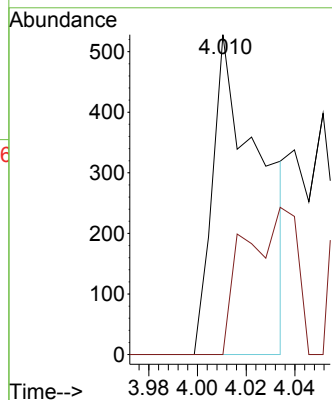
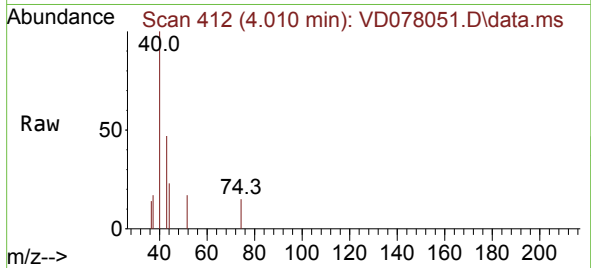




#16
Acetone
Concen: Below Cal
RT: 4.010 min Scan# 41
Delta R.T. -0.012 min
Lab File: VD078051.D
Acq: 22 Dec 2023 04:46

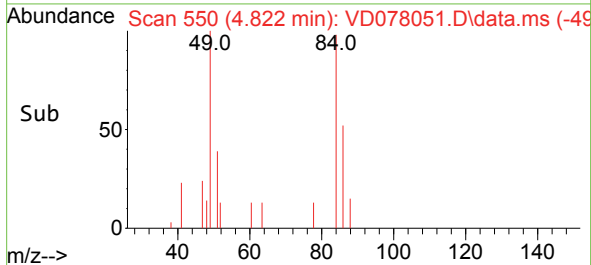
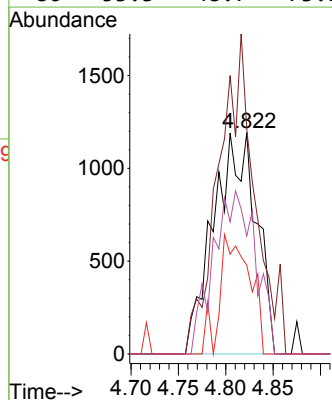
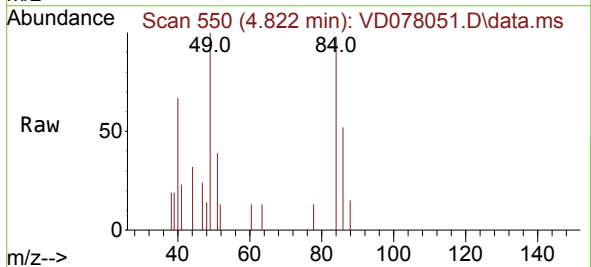
Instrument :
MSVOA_D
ClientSampleId :

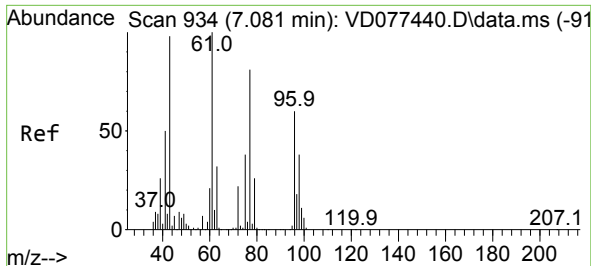
Tgt Ion: 43 Resp: 724
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.822 min Scan# 550
Delta R.T. 0.017 min
Lab File: VD078051.D
Acq: 22 Dec 2023 04:46

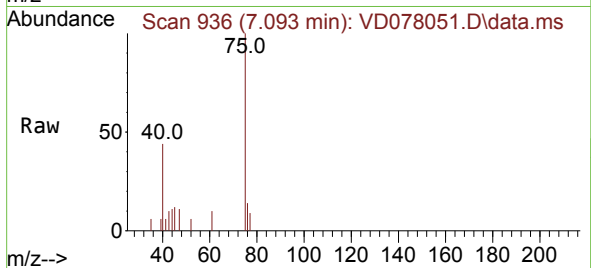
Tgt Ion: 84 Resp: 3732
Ion Ratio Lower Upper
84 100
49 101.8 71.4 107.2
51 40.1 24.5 36.7#
86 53.3 48.7 73.1



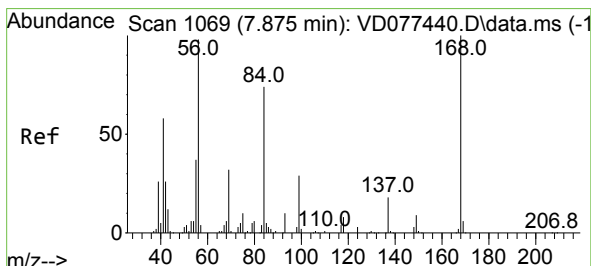
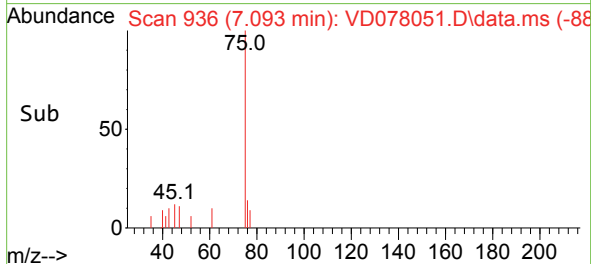
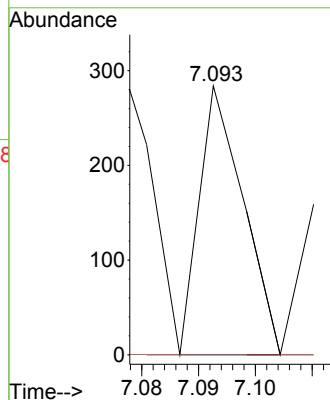


#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD078051.D
Acq: 22 Dec 2023 04:46

Instrument :
MSVOA_D
ClientSampleId :

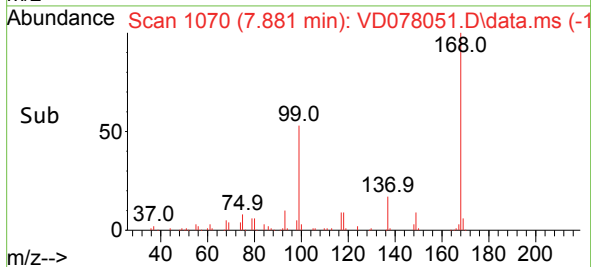
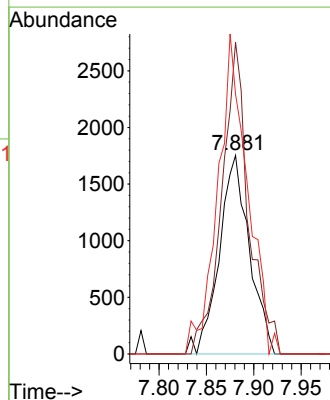
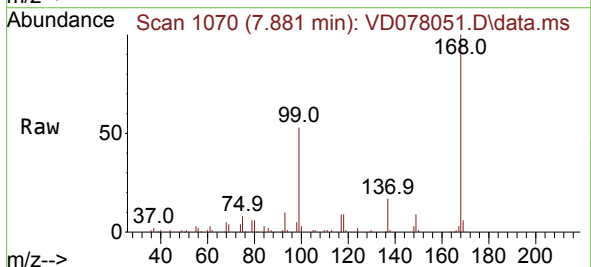


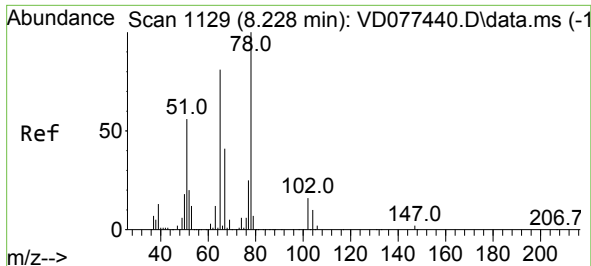
Tgt Ion: 43 Resp: 154
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.129 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD078051.D
Acq: 22 Dec 2023 04:46

Tgt Ion: 56 Resp: 3866
Ion Ratio Lower Upper
56 100
69 157.0 28.6 43.0#
84 130.7 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 41.359 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078051.D

Acq: 22 Dec 2023 04:46

Instrument :

MSVOA_D

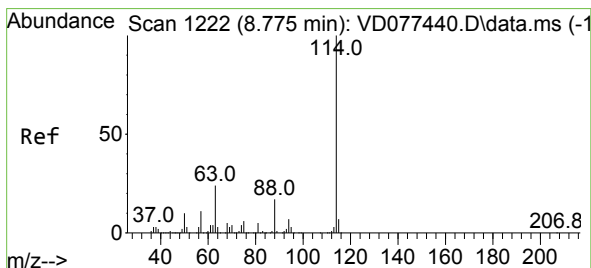
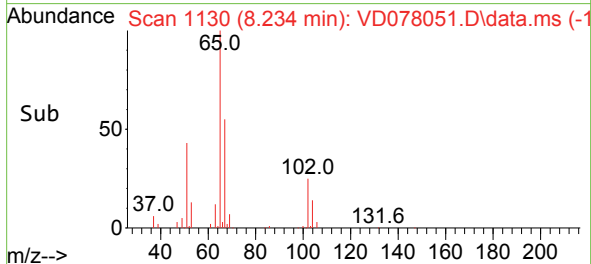
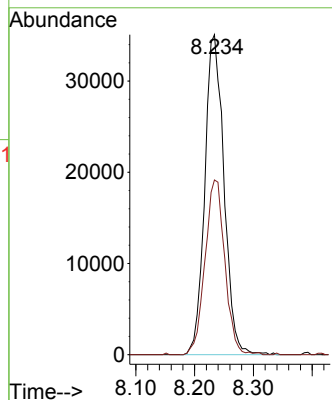
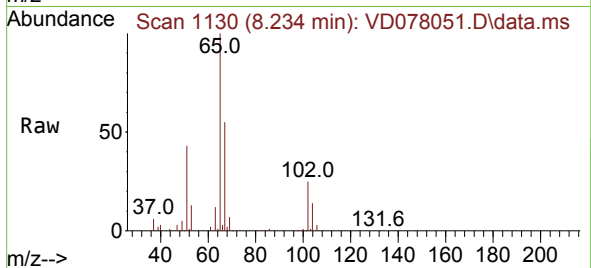
ClientSampleId :

Tgt Ion: 65 Resp: 79629

Ion Ratio Lower Upper

65 100

67 56.4 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: VD078051.D

Acq: 22 Dec 2023 04:46

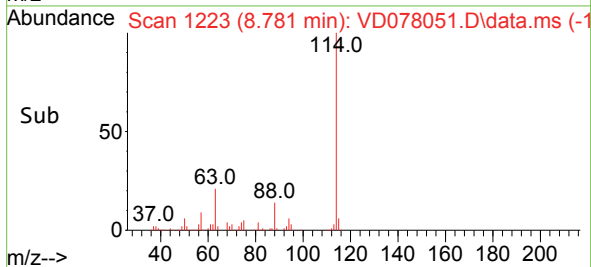
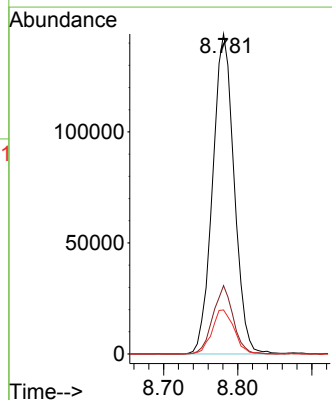
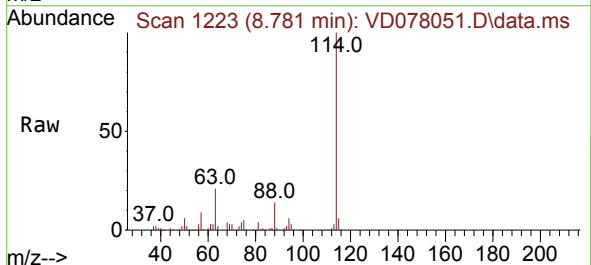
Tgt Ion: 114 Resp: 291102

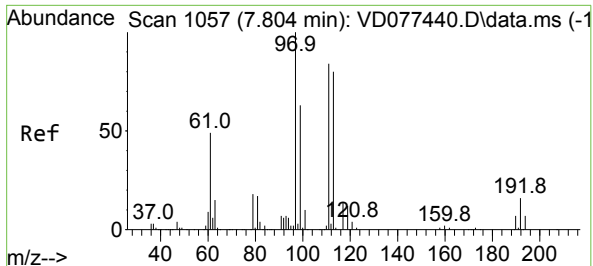
Ion Ratio Lower Upper

114 100

63 21.4 0.0 33.4

88 13.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 44.393 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

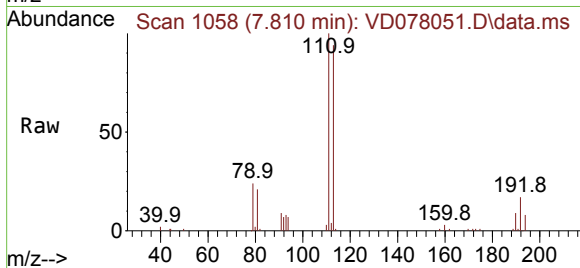
Lab File: VD078051.D

Acq: 22 Dec 2023 04:46

Instrument :

MSVOA_D

ClientSampleId :



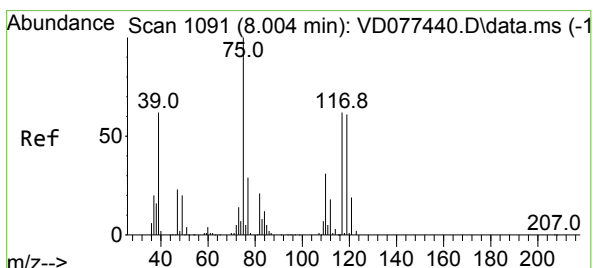
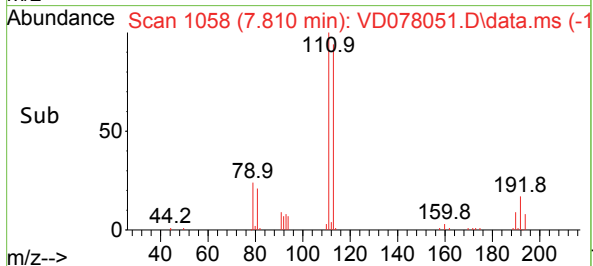
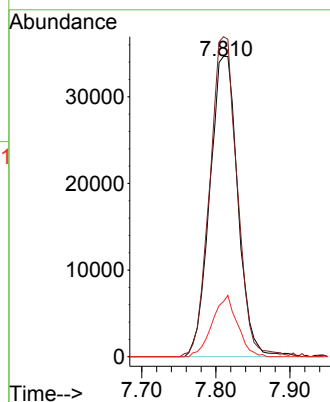
Tgt Ion:113 Resp: 90520

Ion Ratio Lower Upper

113 100

111 104.6 84.7 127.1

192 18.3 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.444 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD078051.D

Acq: 22 Dec 2023 04:46

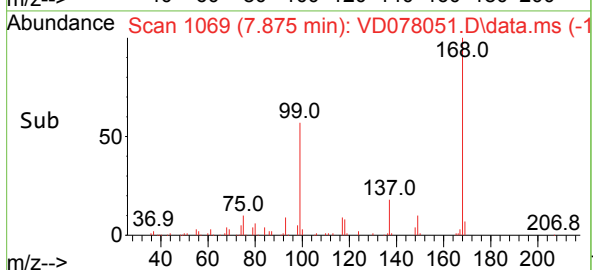
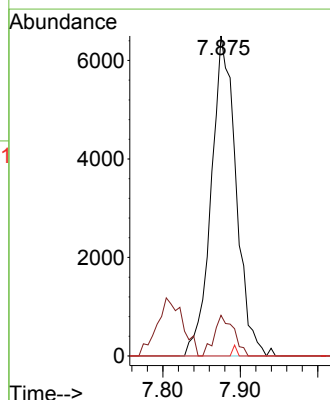
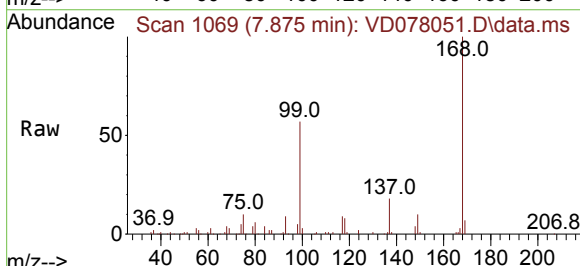
Tgt Ion: 75 Resp: 14496

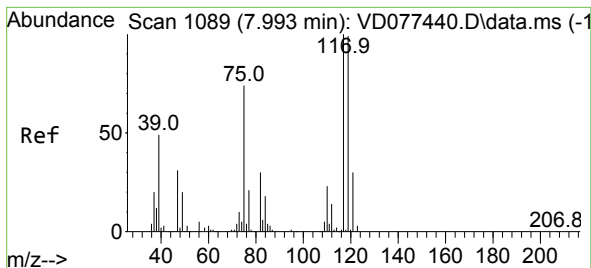
Ion Ratio Lower Upper

75 100

110 9.9 19.9 59.6#

77 0.5 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.737 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.112 min

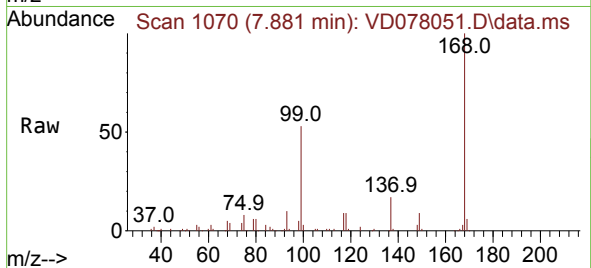
Lab File: VD078051.D

Acq: 22 Dec 2023 04:46

Instrument :

MSVOA_D

ClientSampleId :



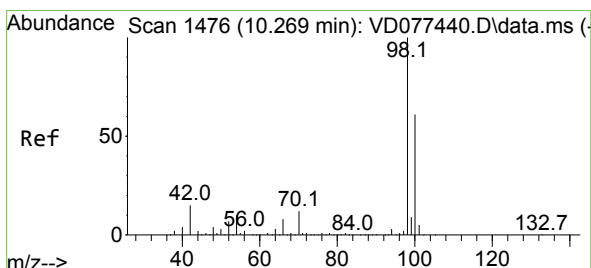
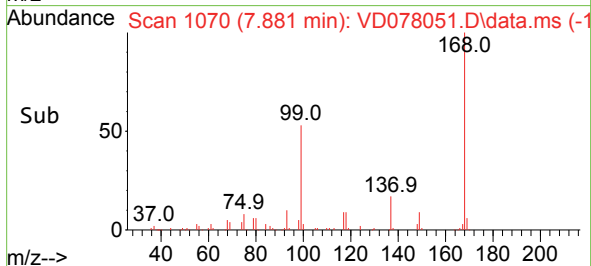
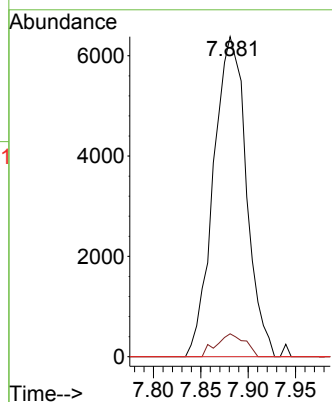
Tgt Ion:117 Resp: 15404

Ion Ratio Lower Upper

117 100

119 7.1 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.825 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VD078051.D

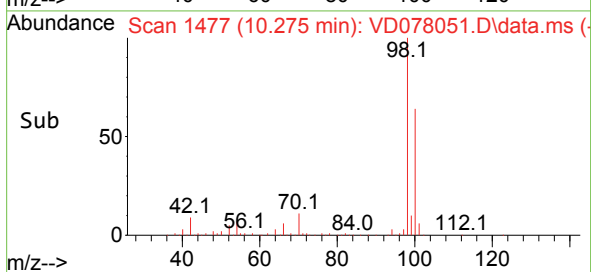
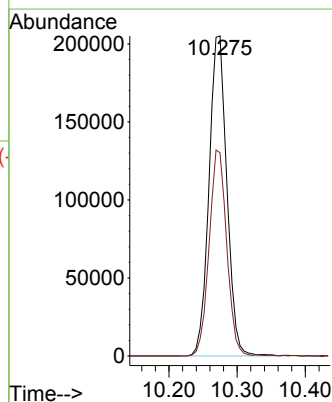
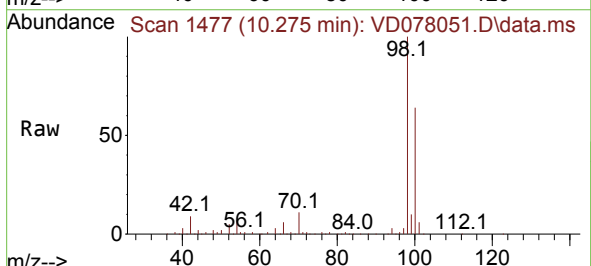
Acq: 22 Dec 2023 04:46

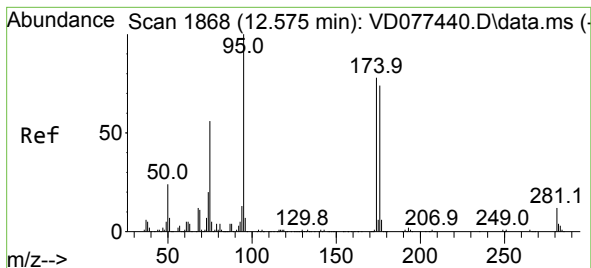
Tgt Ion: 98 Resp: 374244

Ion Ratio Lower Upper

98 100

100 63.4 50.3 75.5

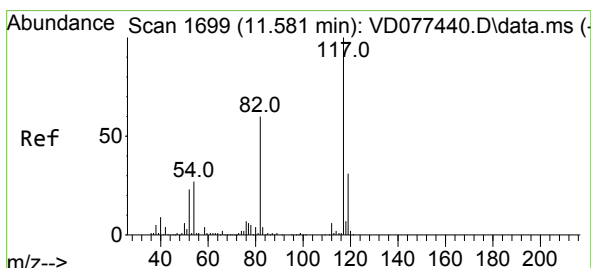
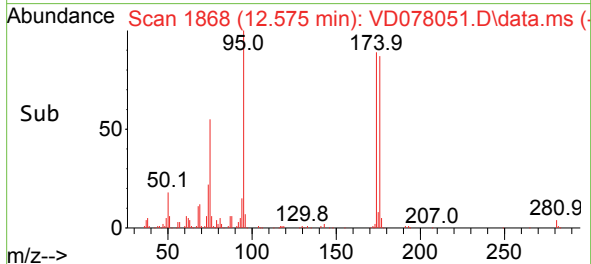
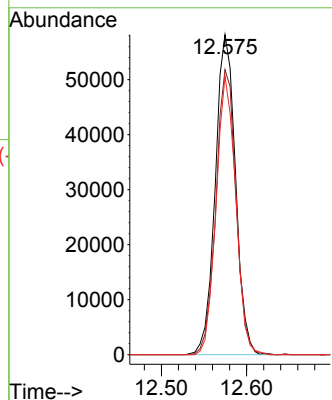
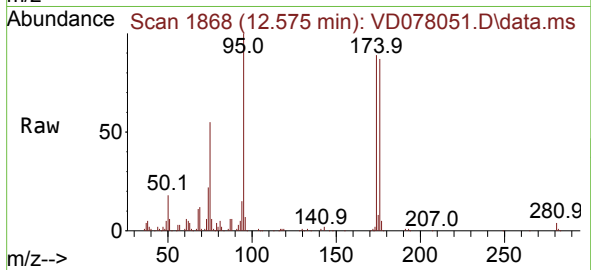




#62
4-Bromofluorobenzene
Concen: 39.288 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078051.D
Acq: 22 Dec 2023 04:46

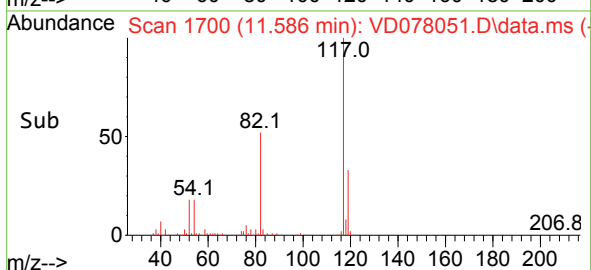
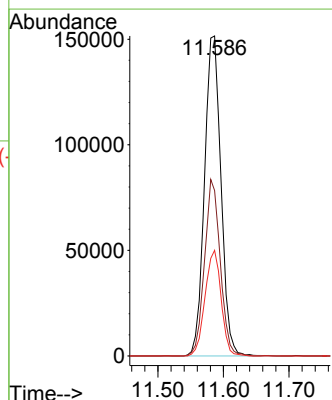
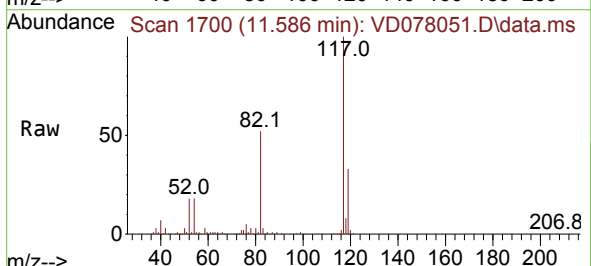
Instrument :
MSVOA_D
ClientSampleId :

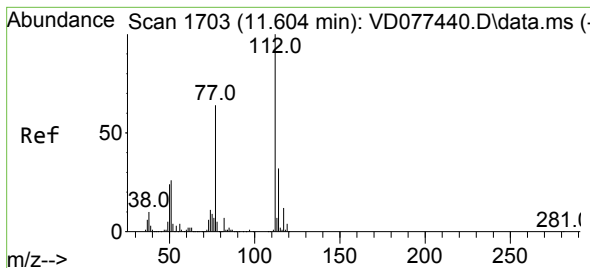
Tgt Ion: 95 Resp: 95928
Ion Ratio Lower Upper
95 100
174 88.1 0.0 201.8
176 84.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 1700
Delta R.T. 0.005 min
Lab File: VD078051.D
Acq: 22 Dec 2023 04:46

Tgt Ion: 117 Resp: 265533
Ion Ratio Lower Upper
117 100
82 51.7 38.3 57.5
119 33.0 25.0 37.4





#65

Chlorobenzene

Concen: Below Cal

RT: 11.616 min Scan# 11

Delta R.T. 0.012 min

Lab File: VD078051.D

Acq: 22 Dec 2023 04:46

Instrument :

MSVOA_D

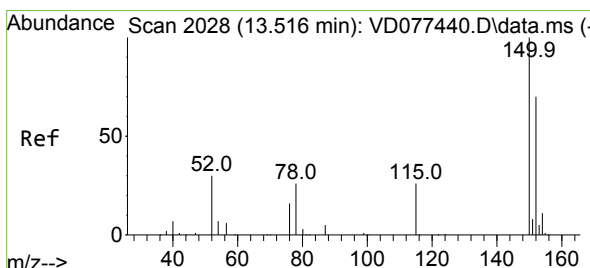
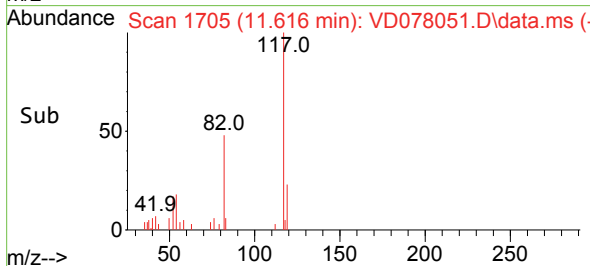
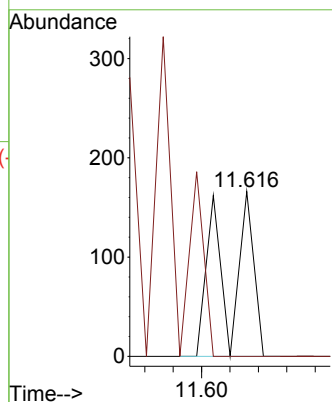
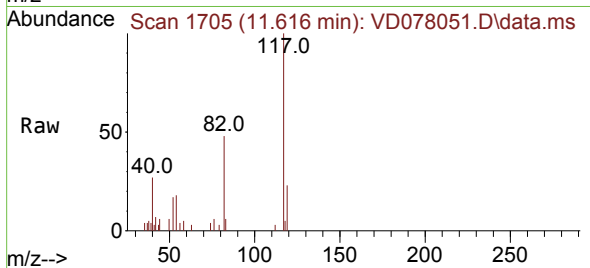
ClientSampleId :

Tgt Ion:112 Resp: 116

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# 2029

Delta R.T. 0.006 min

Lab File: VD078051.D

Acq: 22 Dec 2023 04:46

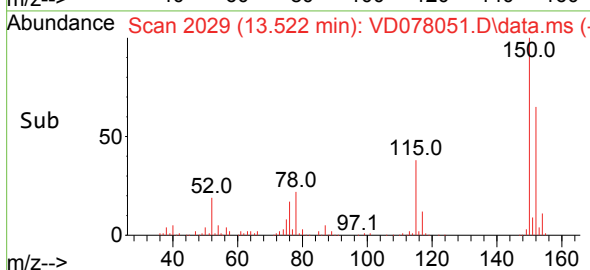
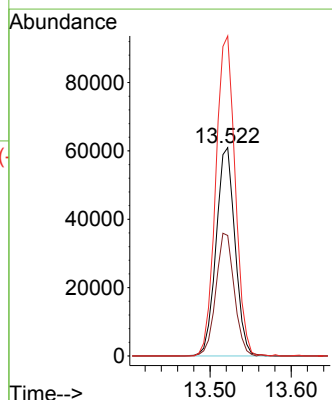
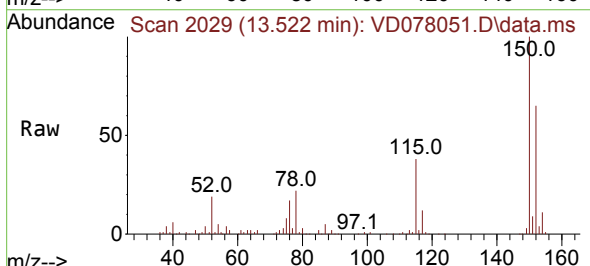
Tgt Ion:152 Resp: 98974

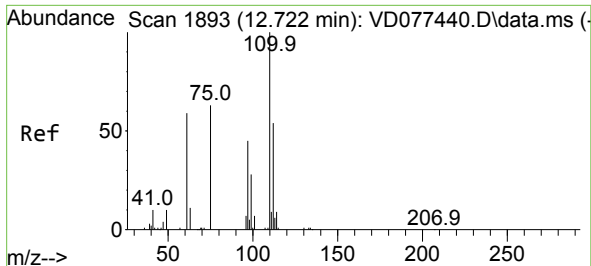
Ion Ratio Lower Upper

152 100

115 57.0 27.1 81.3

150 156.9 0.0 353.6

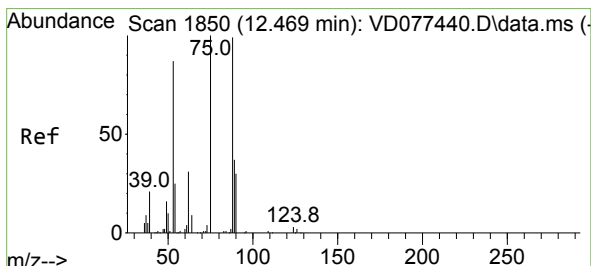
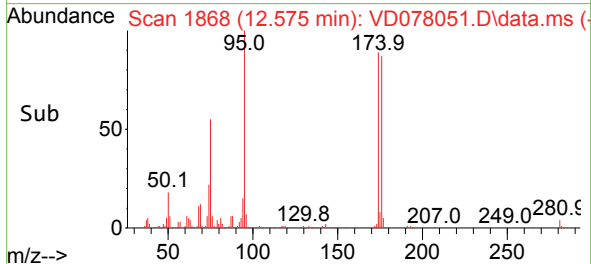
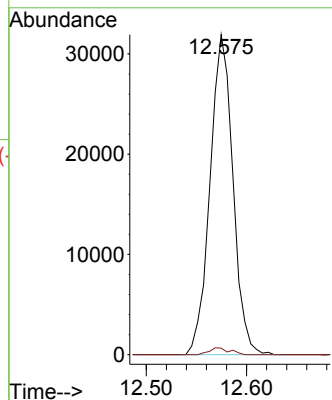
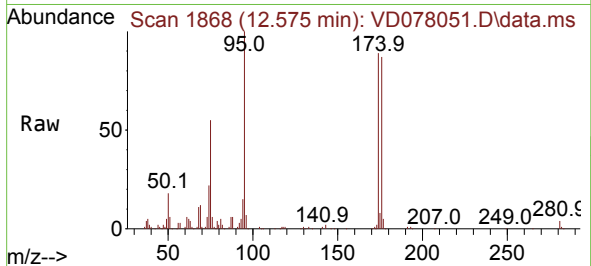




#76
1,2,3-Trichloropropane
Concen: 58.900 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078051.D
Acq: 22 Dec 2023 04:46

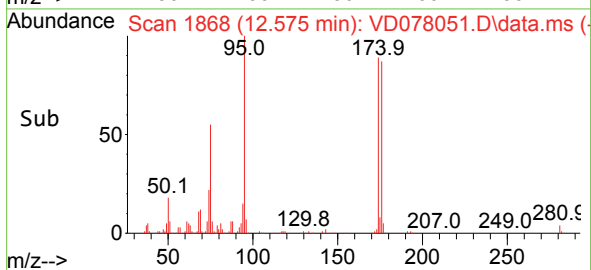
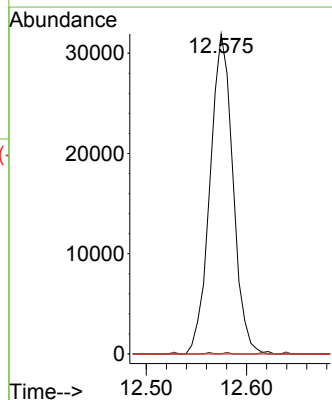
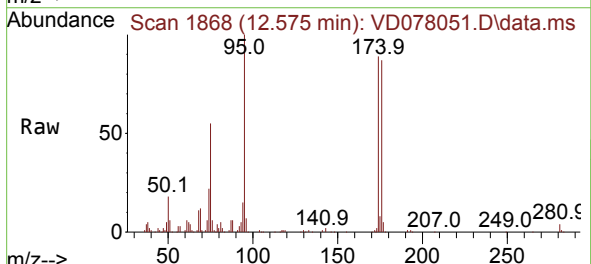
Instrument :
MSVOA_D
ClientSampleId :

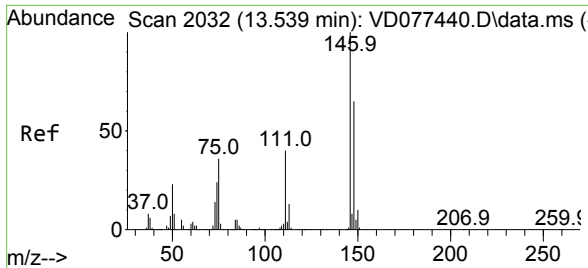
Tgt Ion: 75 Resp: 50630
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.335 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078051.D
Acq: 22 Dec 2023 04:46

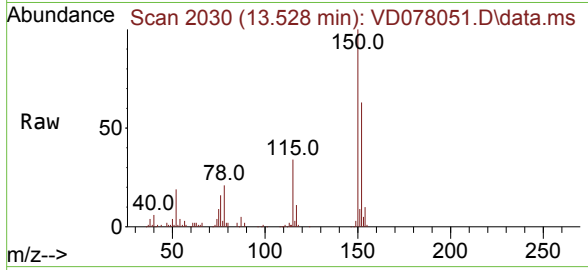
Tgt Ion: 75 Resp: 50630
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.528 min Scan# 20
 Delta R.T. -0.011 min
 Lab File: VD078051.D
 Acq: 22 Dec 2023 04:46

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	56
Ion Ratio	Lower	Upper	
146	100		
111	2771.4	17.4	52.3#
148	1107.1	31.7	95.1#

