

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078018.D
 Acq On : 21 Dec 2023 03:34
 Operator : RP/MD
 Sample : 05876-08
 Misc : 2.54G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:35:22 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)

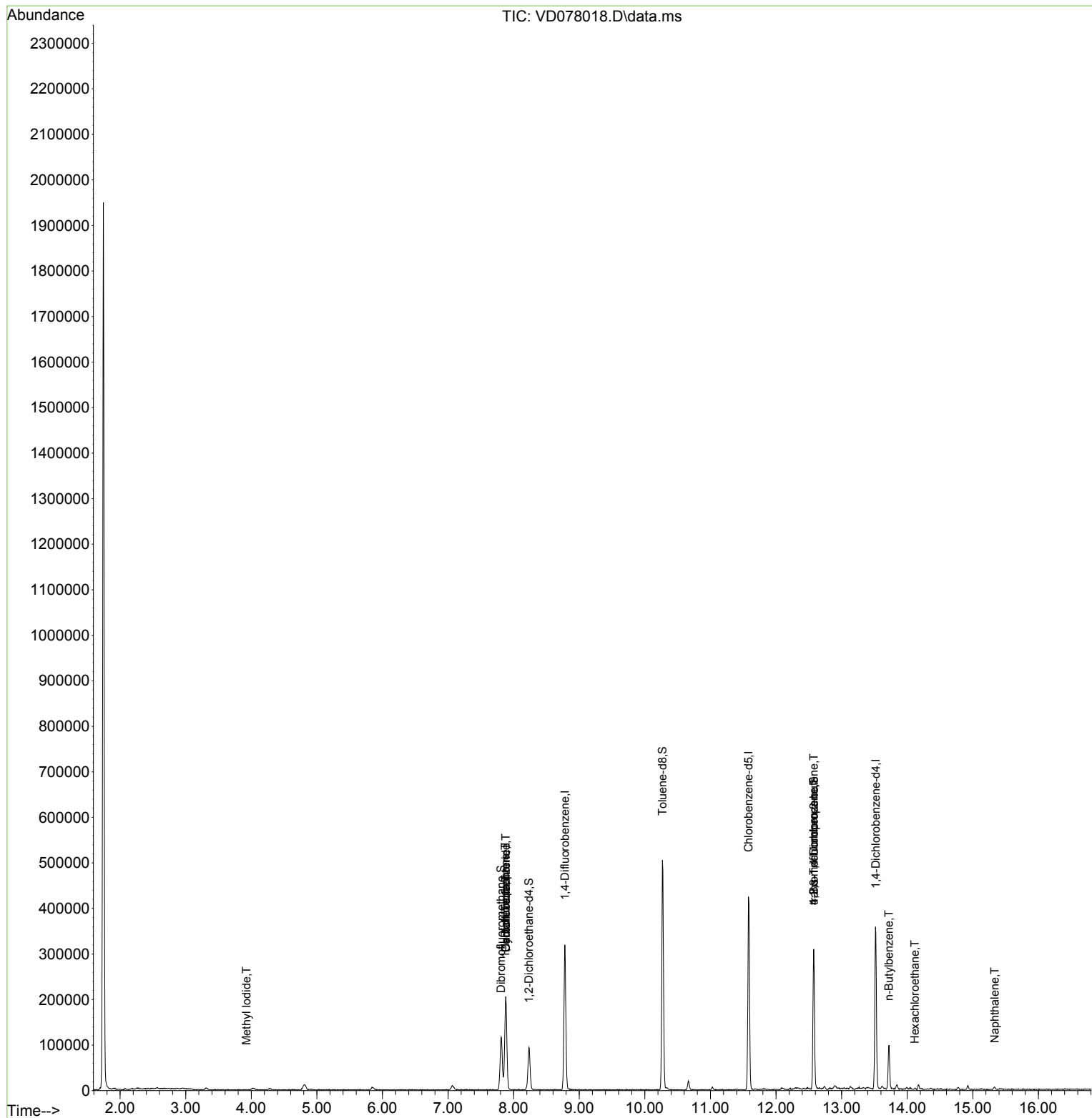
Internal Standards						
1) Pentafluorobenzene	7.881	168	157345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	278455	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	245269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	94883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	71195	38.399	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.800%
35) Dibromofluoromethane	7.810	113	84643	43.396	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.800%
50) Toluene-d8	10.269	98	348758	44.644	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.280%
62) 4-Bromofluorobenzene	12.575	95	89893	38.489	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.980%
Target Compounds			Qvalue			
10) Methyl Iodide	3.928	142	60	6.772	ug/l #	46
11) Tert butyl alcohol	5.046	59	210	Below Cal	#	73
16) Acetone	4.028	43	6964	Below Cal	#	76
20) Methylene Chloride	4.816	84	9464	Below Cal	#	88
25) 2-Butanone	7.093	43	684	Below Cal	#	74
31) Cyclohexane	7.881	56	3999	1.213	ug/l #	42
36) 1,1-Dichloropropene	7.875	75	12908	4.137	ug/l #	47
38) Carbon Tetrachloride	7.881	117	15689	5.044	ug/l #	17
65) Chlorobenzene	11.487	112	69	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	49699	60.310	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	49699	122.192	ug/l #	17
88) 1,4-Dichlorobenzene	13.540	146	2311	Below Cal	#	43
89) n-Butylbenzene	13.722	91	8085	1.282	ug/l #	43
90) Hexachloroethane	14.116	117	1446	1.173	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.463	75	98	Below Cal	#	1
95) Naphthalene	15.334	128	4851	1.453	ug/l	97

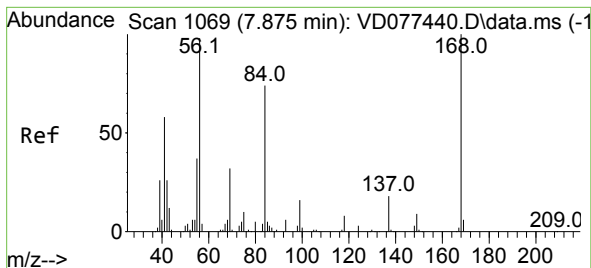
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1

Delta R.T. 0.006 min

Lab File: VD078018.D

Acq: 21 Dec 2023 03:34

Instrument :

MSVOA_D

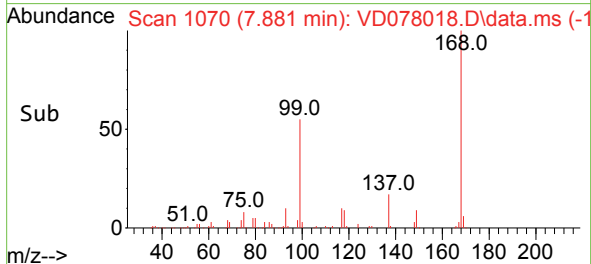
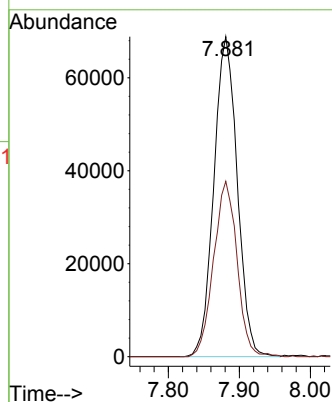
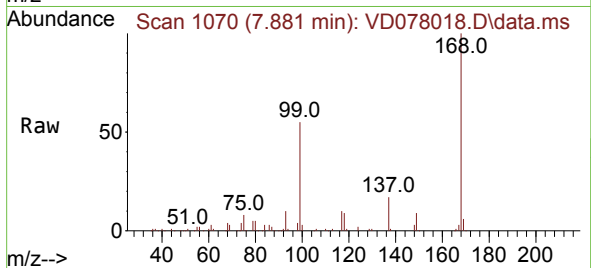
ClientSampleId :

Tgt Ion:168 Resp: 157345

Ion Ratio Lower Upper

168 100

99 54.8 36.7 55.1



#10

Methyl Iodide

Concen: 6.772 ug/l

RT: 3.928 min Scan# 398

Delta R.T. -0.241 min

Lab File: VD078018.D

Acq: 21 Dec 2023 03:34

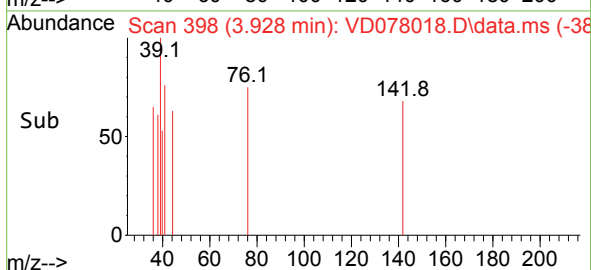
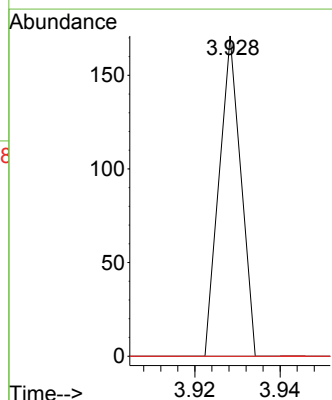
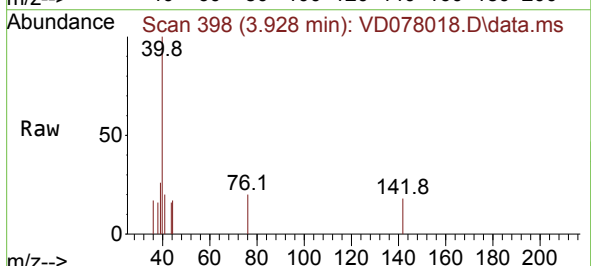
Tgt Ion:142 Resp: 60

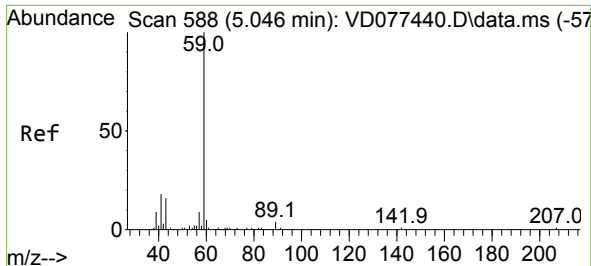
Ion Ratio Lower Upper

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# 588

Delta R.T. -0.000 min

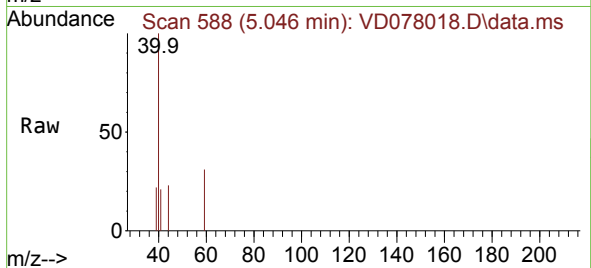
Lab File: VD078018.D

Acq: 21 Dec 2023 03:34

Instrument :

MSVOA_D

ClientSampleId :

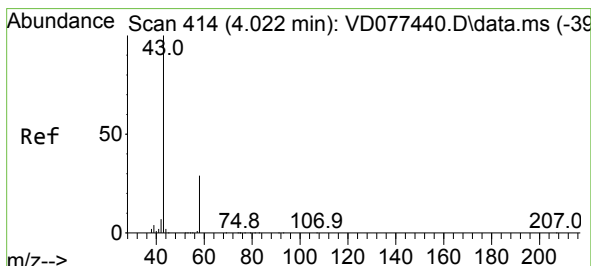
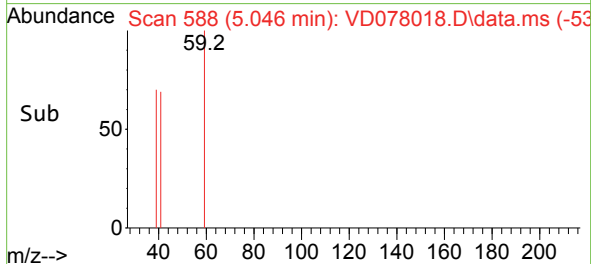
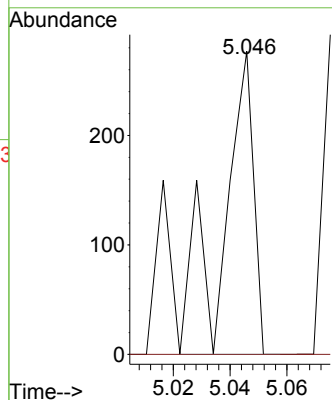


Tgt Ion: 59 Resp: 210

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: VD078018.D

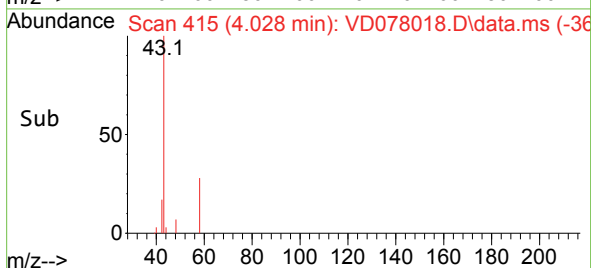
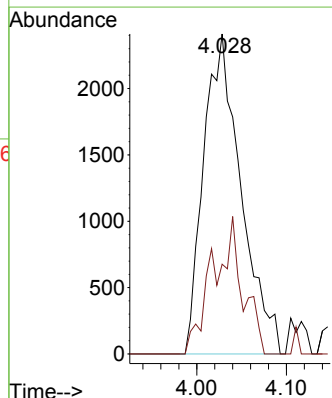
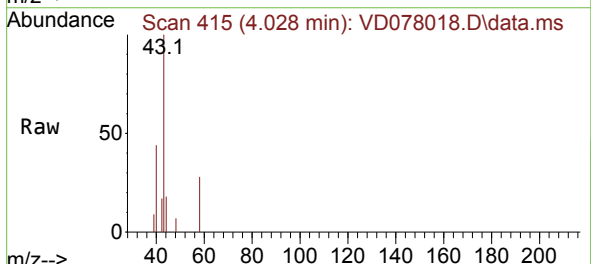
Acq: 21 Dec 2023 03:34

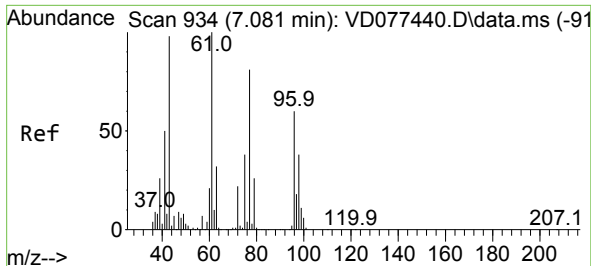
Tgt Ion: 43 Resp: 6964

Ion Ratio Lower Upper

43 100

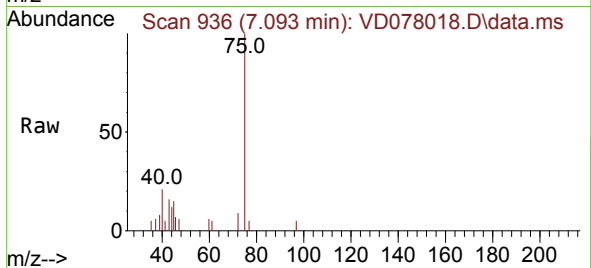
58 28.0 34.7 52.1#



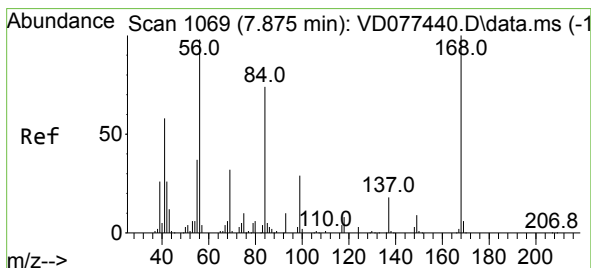
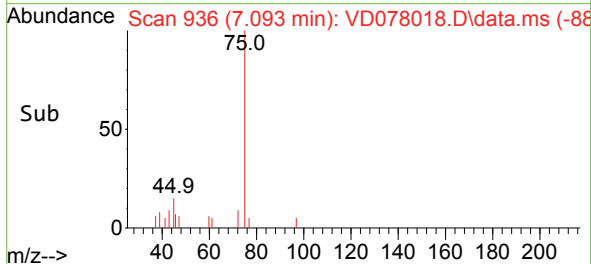
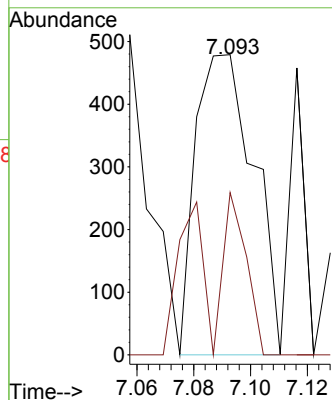


#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD078018.D
Acq: 21 Dec 2023 03:34

Instrument :
MSVOA_D
ClientSampleId :

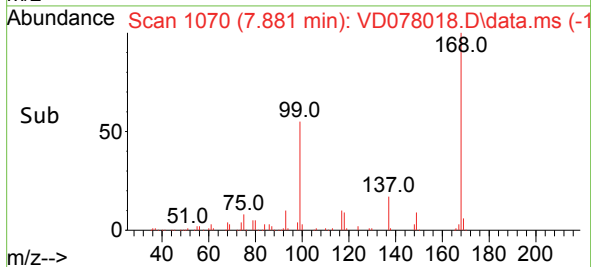
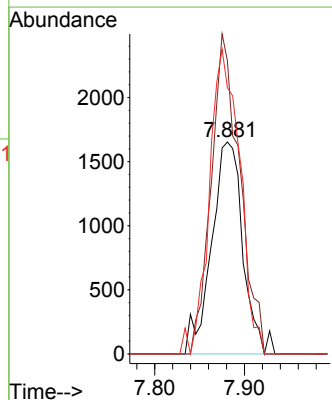
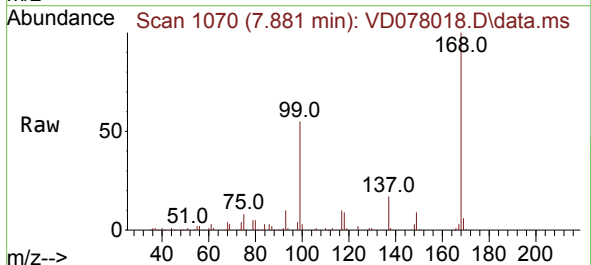


Tgt Ion: 43 Resp: 684
Ion Ratio Lower Upper
43 100
72 54.1 30.7 46.1#



#31
Cyclohexane
Concen: 1.213 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD078018.D
Acq: 21 Dec 2023 03:34

Tgt Ion: 56 Resp: 3999
Ion Ratio Lower Upper
56 100
69 138.4 28.6 43.0#
84 125.7 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 38.399 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078018.D

Acq: 21 Dec 2023 03:34

Instrument :

MSVOA_D

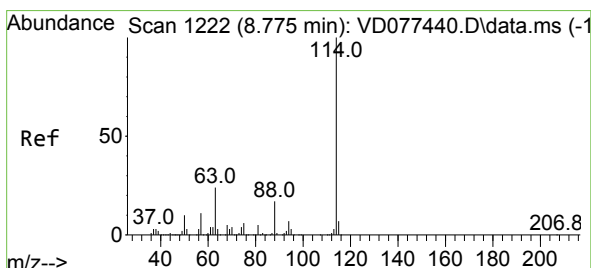
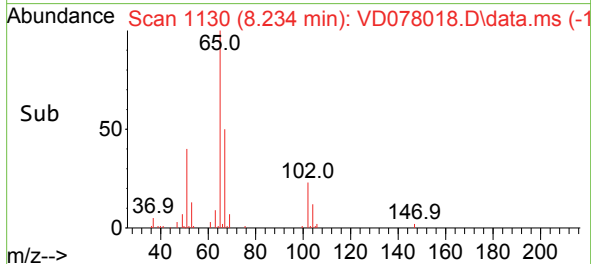
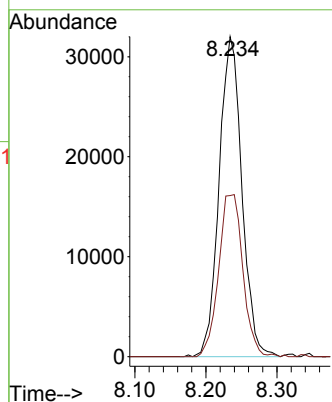
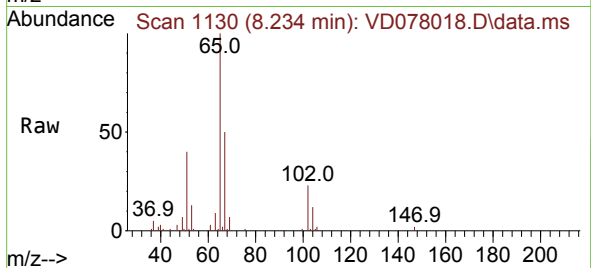
ClientSampleId :

Tgt Ion: 65 Resp: 71195

Ion Ratio Lower Upper

65 100

67 54.0 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: VD078018.D

Acq: 21 Dec 2023 03:34

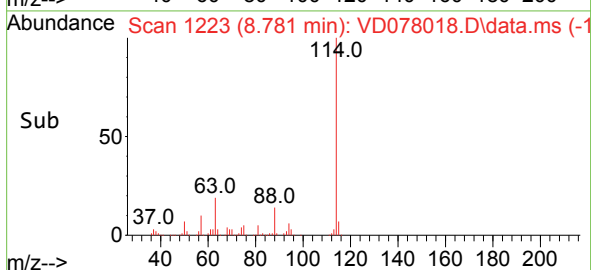
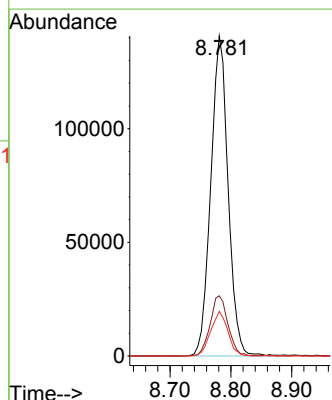
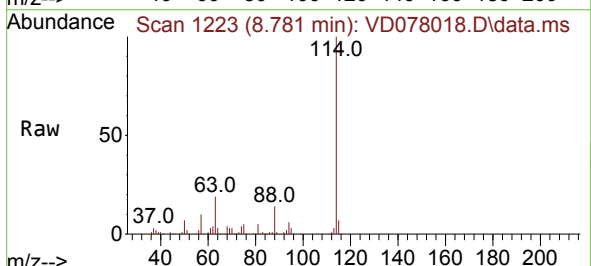
Tgt Ion: 114 Resp: 278455

Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

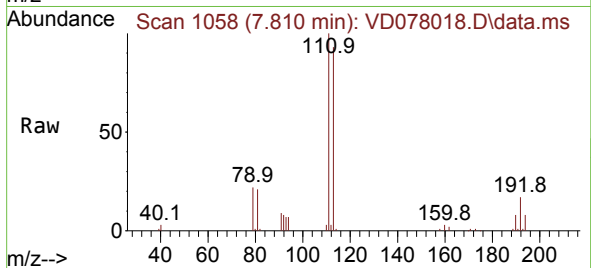
88 13.9 0.0 26.2



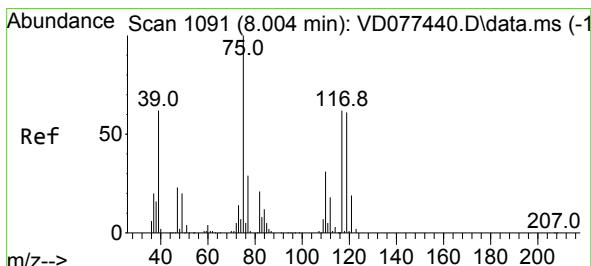
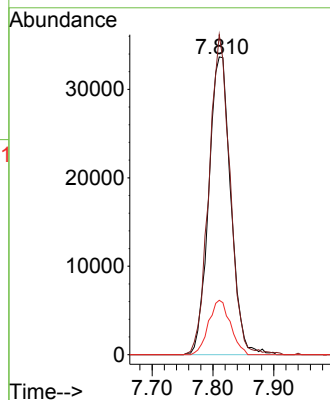
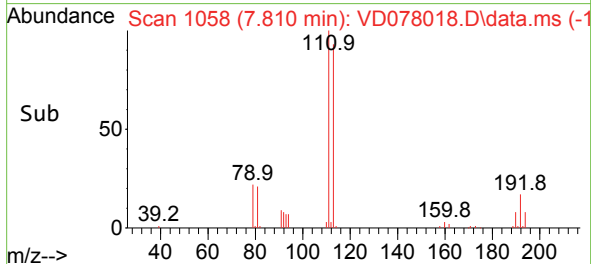


#35
Dibromofluoromethane
Concen: 43.396 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078018.D
Acq: 21 Dec 2023 03:34

Instrument :
MSVOA_D
ClientSampleId :

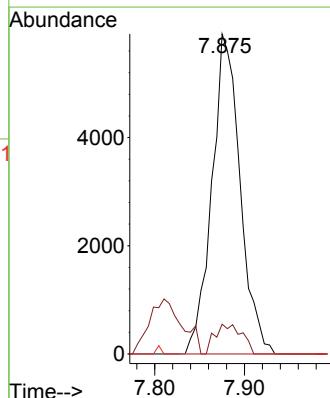
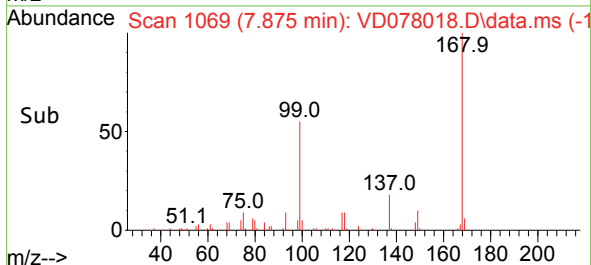
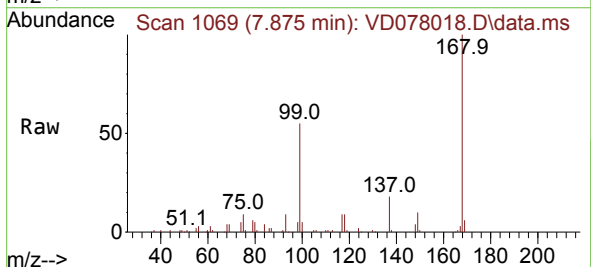


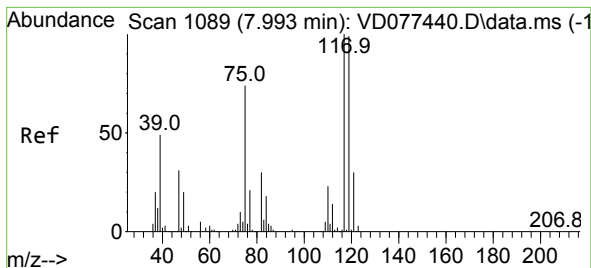
Tgt Ion:113 Resp: 84643
Ion Ratio Lower Upper
113 100
111 102.8 84.7 127.1
192 18.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.137 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD078018.D
Acq: 21 Dec 2023 03:34

Tgt Ion: 75 Resp: 12908
Ion Ratio Lower Upper
75 100
110 8.9 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.044 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

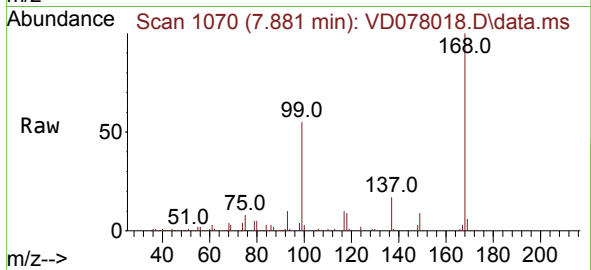
Lab File: VD078018.D

Acq: 21 Dec 2023 03:34

Instrument :

MSVOA_D

ClientSampleId :



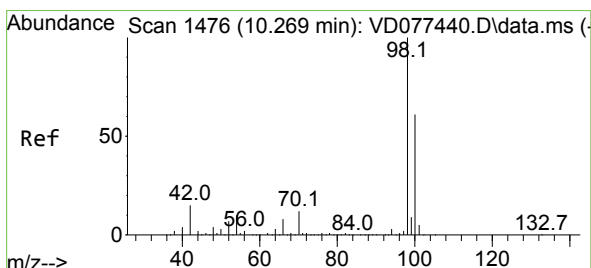
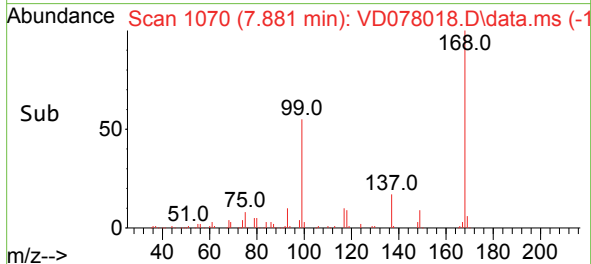
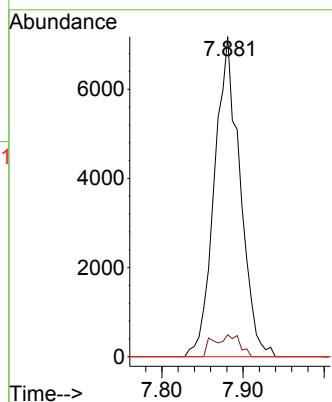
Tgt Ion:117 Resp: 15689

Ion Ratio Lower Upper

117 100

119 6.9 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 44.644 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078018.D

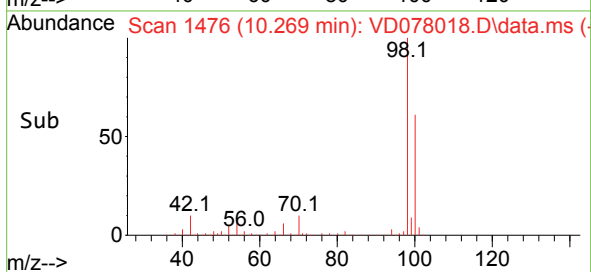
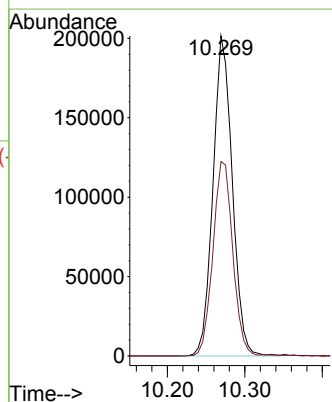
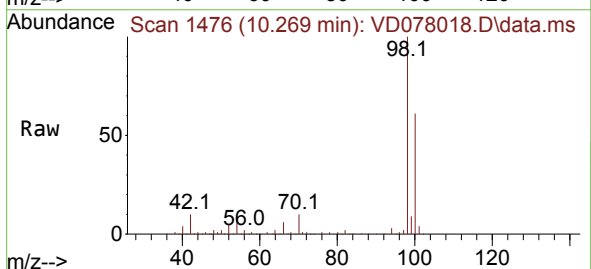
Acq: 21 Dec 2023 03:34

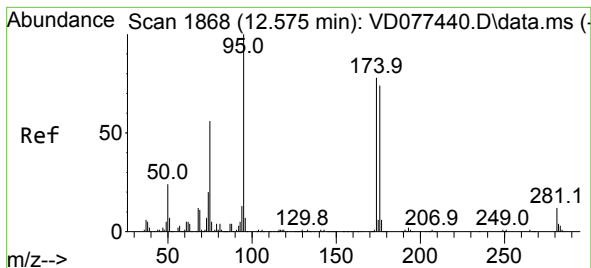
Tgt Ion: 98 Resp: 348758

Ion Ratio Lower Upper

98 100

100 62.4 50.3 75.5

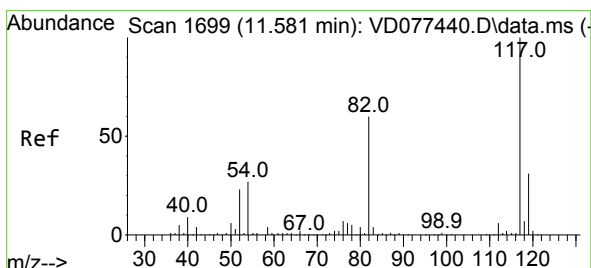
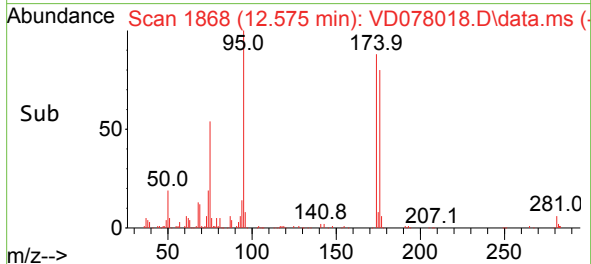
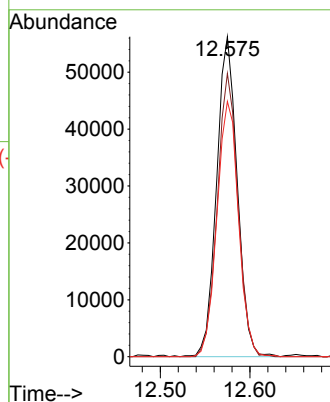
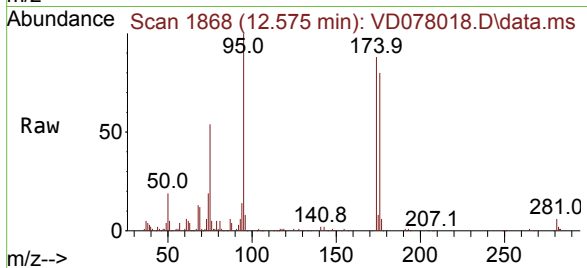




#62
4-Bromofluorobenzene
Concen: 38.489 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078018.D
Acq: 21 Dec 2023 03:34

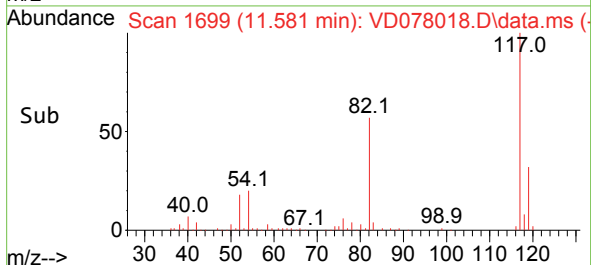
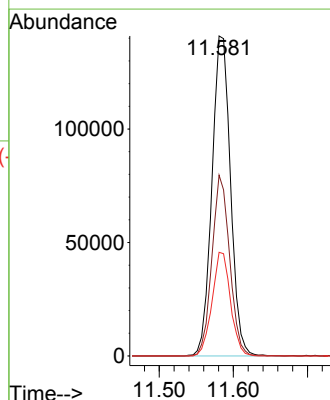
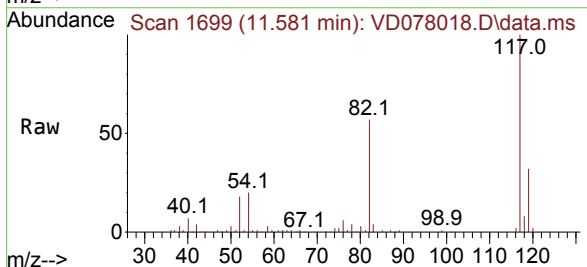
Instrument :
MSVOA_D
ClientSampleId :

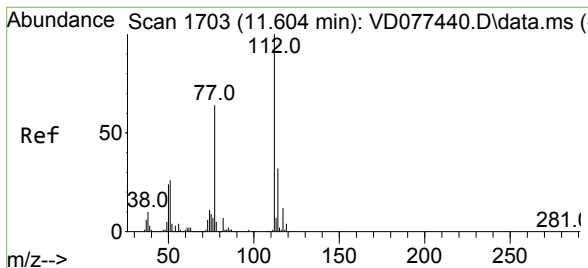
Tgt Ion: 95 Resp: 89893
Ion Ratio Lower Upper
95 100
174 88.7 0.0 201.8
176 83.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078018.D
Acq: 21 Dec 2023 03:34

Tgt Ion: 117 Resp: 245269
Ion Ratio Lower Upper
117 100
82 56.5 38.3 57.5
119 32.4 25.0 37.4

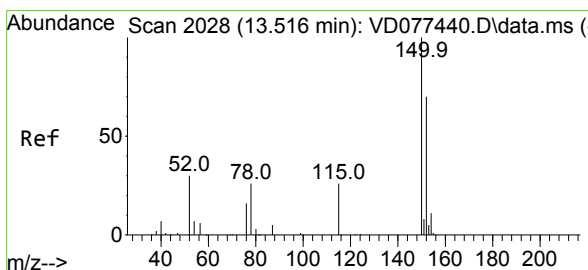
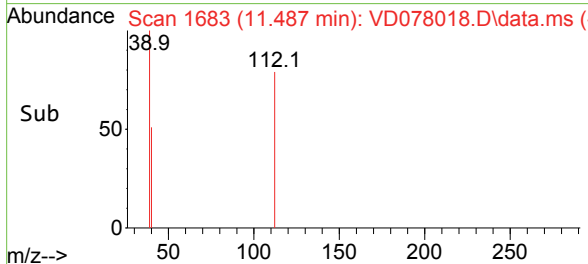
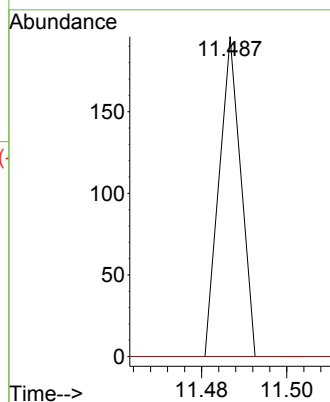
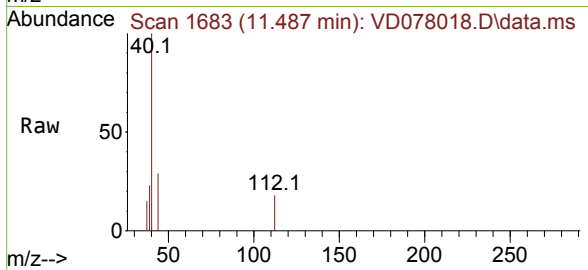




#65
Chlorobenzene
Concen: Below Cal
RT: 11.487 min Scan# 1
Delta R.T. -0.117 min
Lab File: VD078018.D
Acq: 21 Dec 2023 03:34

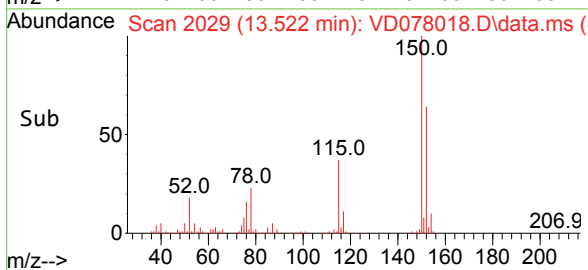
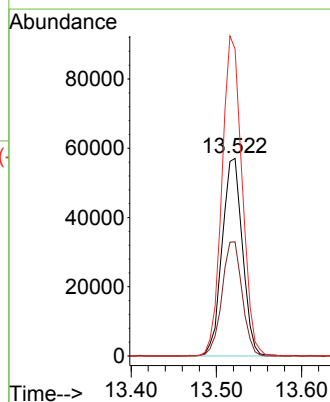
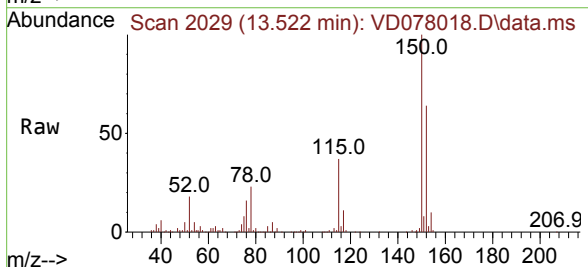
Instrument :
MSVOA_D
ClientSampleId :

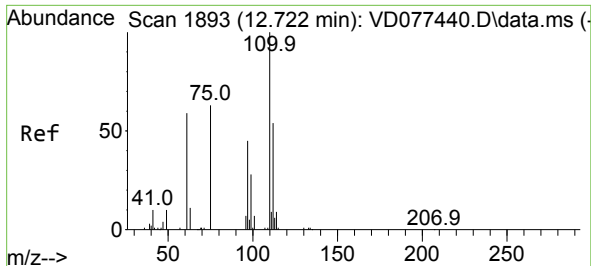
Tgt Ion:112 Resp: 69
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD078018.D
Acq: 21 Dec 2023 03:34

Tgt Ion:152 Resp: 94883
Ion Ratio Lower Upper
152 100
115 57.4 27.1 81.3
150 159.9 0.0 353.6

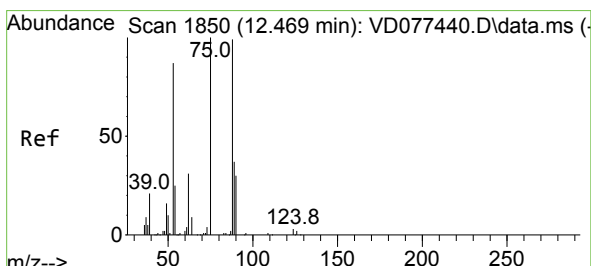
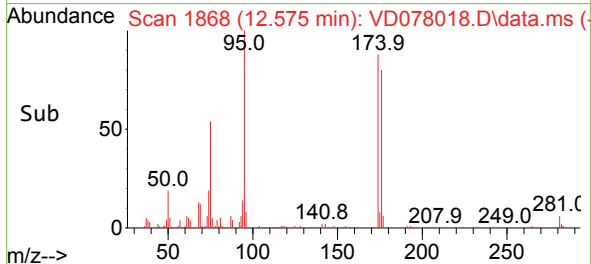
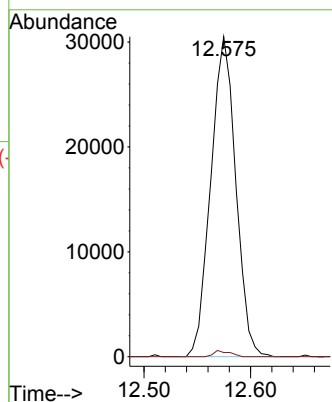
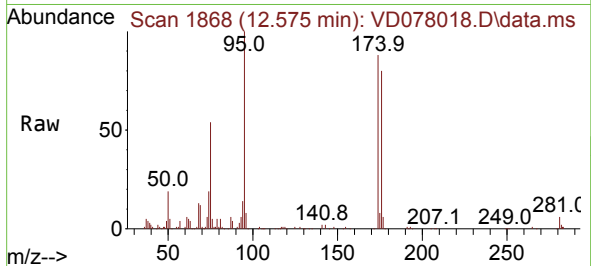




#76
1,2,3-Trichloropropane
Concen: 60.310 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078018.D
Acq: 21 Dec 2023 03:34

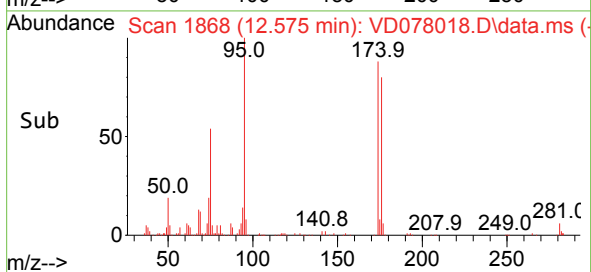
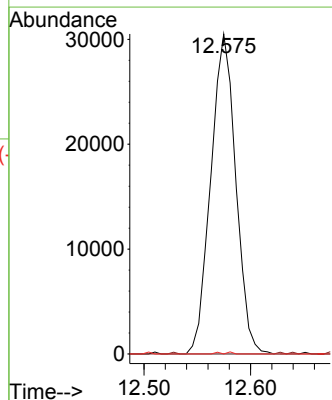
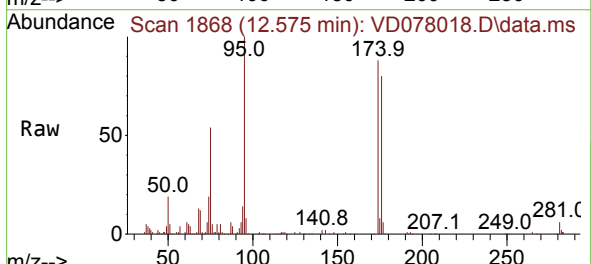
Instrument :
MSVOA_D
ClientSampleId :

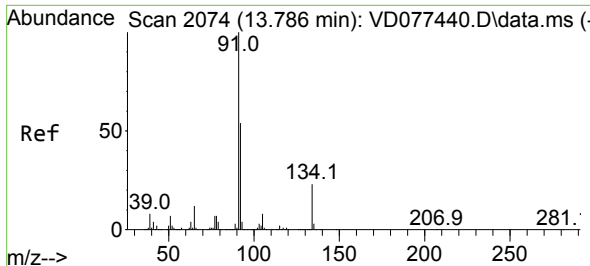
Tgt Ion: 75 Resp: 49699
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.192 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078018.D
Acq: 21 Dec 2023 03:34

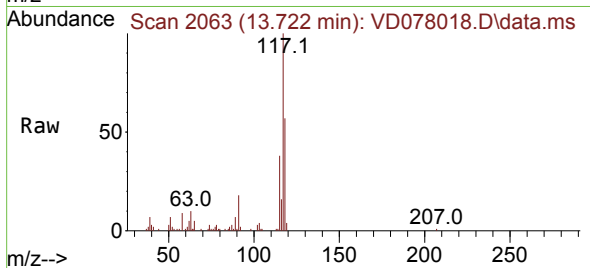
Tgt Ion: 75 Resp: 49699
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#



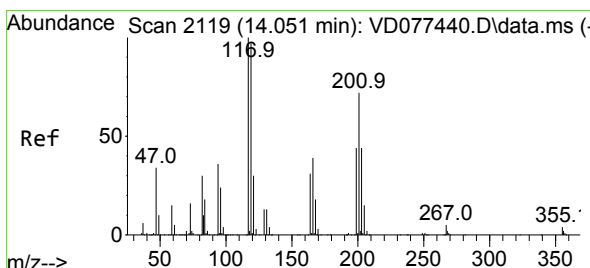
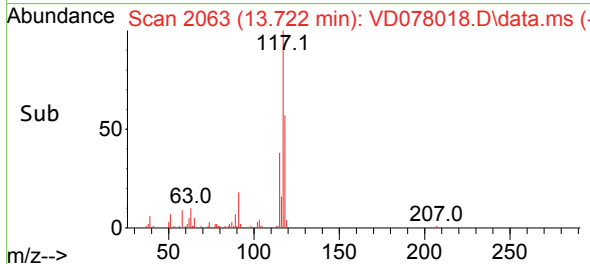
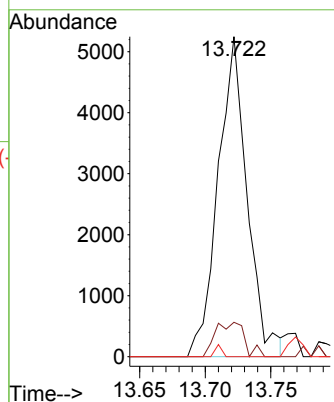


#89
n-Butylbenzene
Concen: 1.282 ug/l
RT: 13.722 min Scan# 2074
Delta R.T. -0.064 min
Lab File: VD078018.D
Acq: 21 Dec 2023 03:34

Instrument :
MSVOA_D
ClientSampleId :

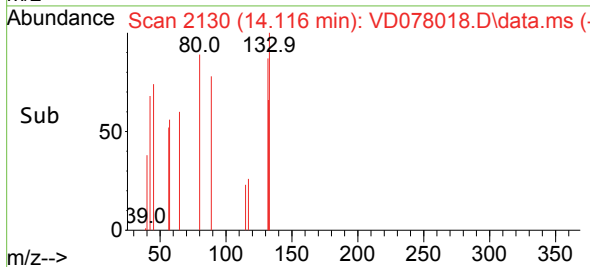
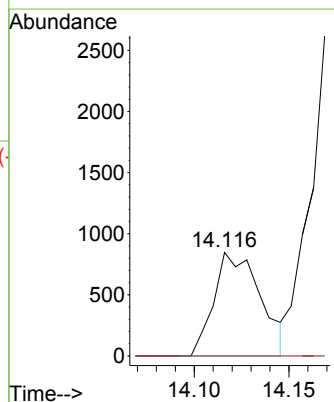
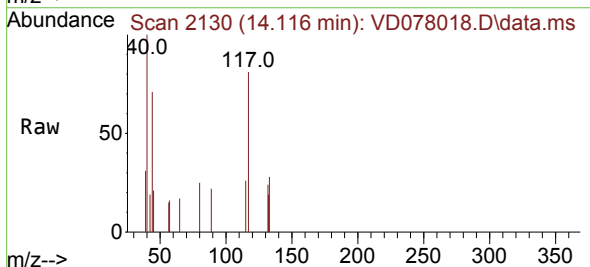


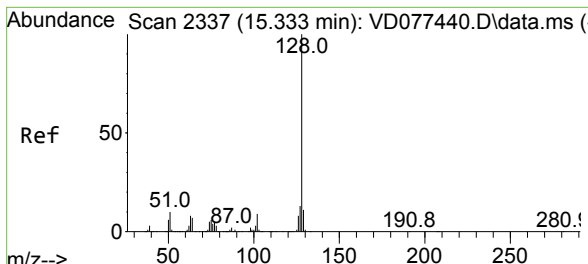
Tgt Ion: 91 Resp: 8085
Ion Ratio Lower Upper
91 100
92 10.8 26.5 79.5#
134 0.9 13.8 41.3#



#90
Hexachloroethane
Concen: 1.173 ug/l
RT: 14.116 min Scan# 2130
Delta R.T. 0.065 min
Lab File: VD078018.D
Acq: 21 Dec 2023 03:34

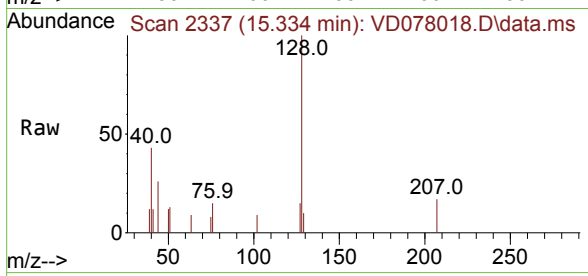
Tgt Ion: 117 Resp: 1446
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#





#95
 Naphthalene
 Concen: 1.453 ug/l
 RT: 15.334 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: VD078018.D
 Acq: 21 Dec 2023 03:34

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:128 Resp: 4851

Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.5	15.7
129	10.2	8.7	13.1

