

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078029.D
 Acq On : 21 Dec 2023 16:45
 Operator : RP/MD
 Sample : 05926-01
 Misc : 4.61G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:22:59 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)

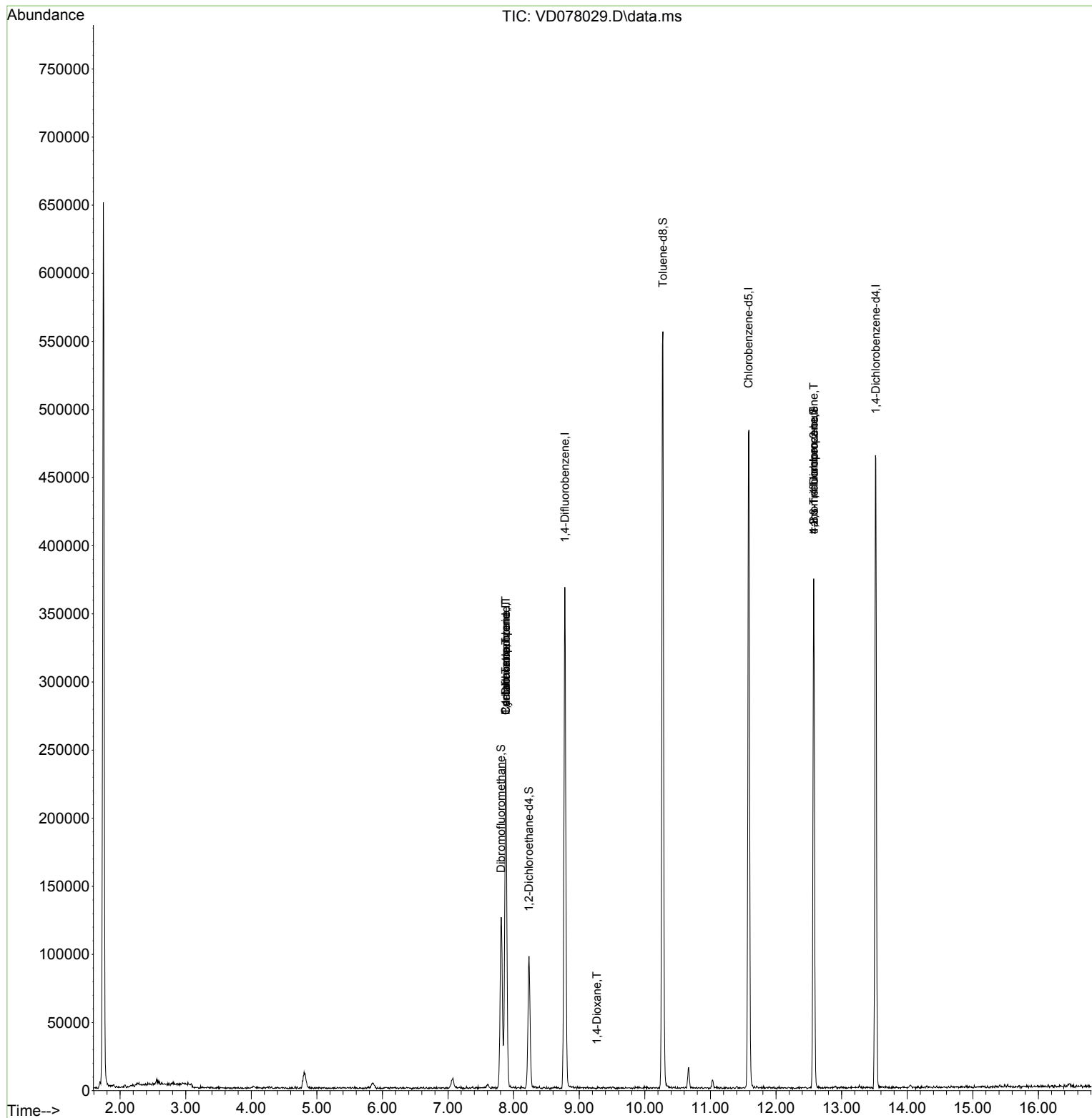
Internal Standards						
1) Pentafluorobenzene	7.881	168	183018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	314323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	292324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.521	152	127103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.233	65	73543	34.101	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	68.200%
35) Dibromofluoromethane	7.810	113	92614	42.064	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.120%
50) Toluene-d8	10.275	98	399479	45.302	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.600%
62) 4-Bromofluorobenzene	12.574	95	110116	41.767	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.051	59	54	Below Cal	#	1
16) Acetone	4.022	43	1276	Below Cal		92
20) Methylene Chloride	4.816	84	9516	Below Cal		94
25) 2-Butanone	7.063	43	338	Below Cal	#	28
31) Cyclohexane	7.881	56	4484	1.169	ug/l #	37
36) 1,1-Dichloropropene	7.881	75	14640	4.157	ug/l #	47
38) Carbon Tetrachloride	7.881	117	18079	5.149	ug/l #	15
49) 1,4-Dioxane	9.269	88	63	4.935	ug/l #	33
65) Chlorobenzene	11.480	112	56	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.574	75	58436	52.936	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.574	75	58436	107.252	ug/l #	17
88) 1,4-Dichlorobenzene	13.521	146	145	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.616	75	54	Below Cal	#	1

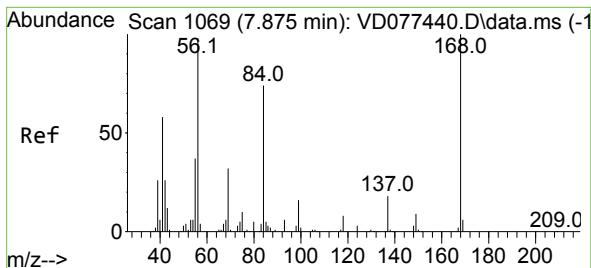
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1

Delta R.T. 0.006 min

Lab File: VD078029.D

Acq: 21 Dec 2023 16:45

Instrument :

MSVOA_D

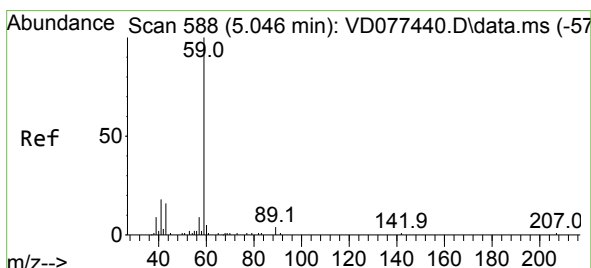
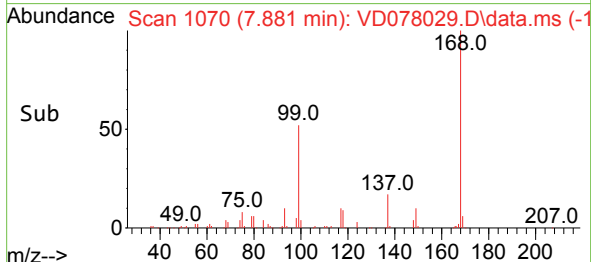
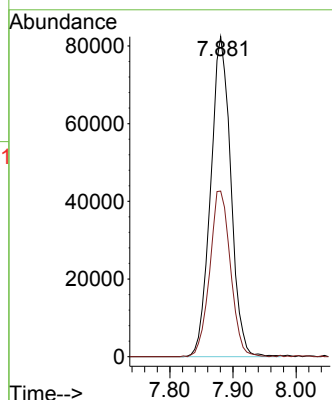
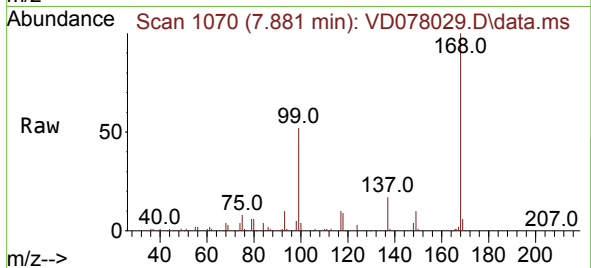
ClientSampleId :

Tgt Ion:168 Resp: 183018

Ion Ratio Lower Upper

168 100

99 51.7 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.051 min Scan# 589

Delta R.T. 0.005 min

Lab File: VD078029.D

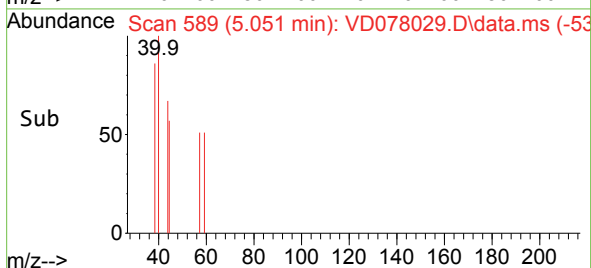
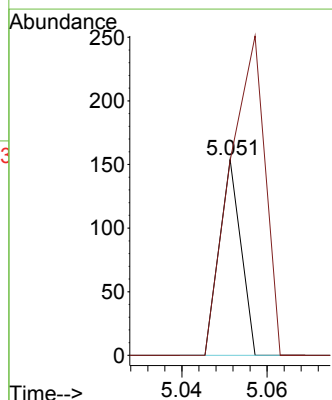
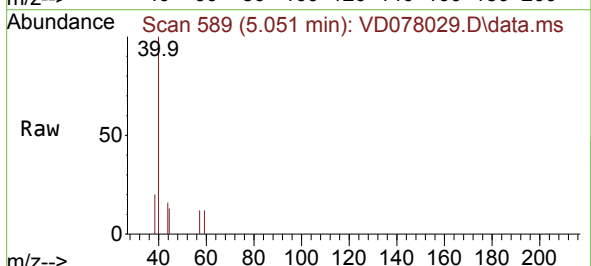
Acq: 21 Dec 2023 16:45

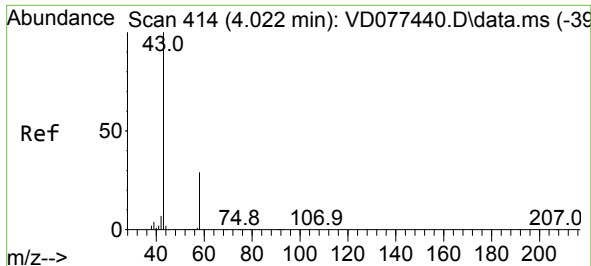
Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

59 100

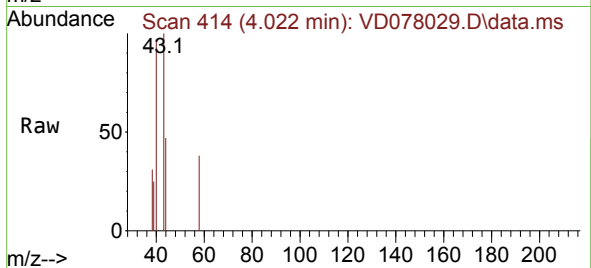
57 264.8 7.8 11.8#



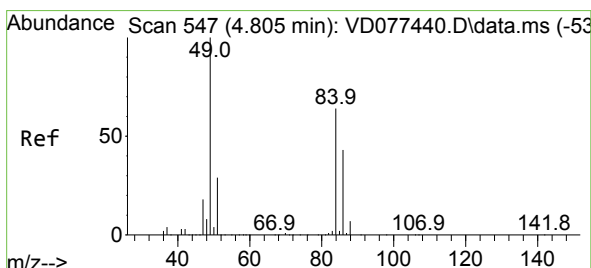
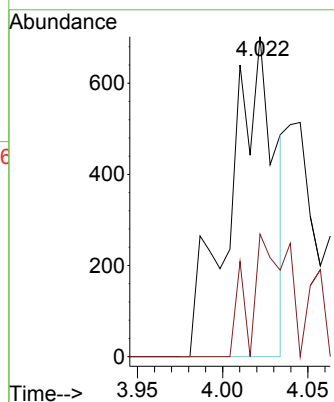
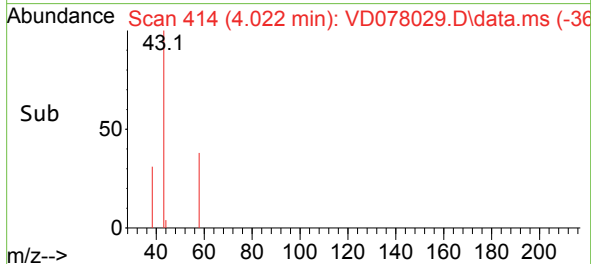


#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

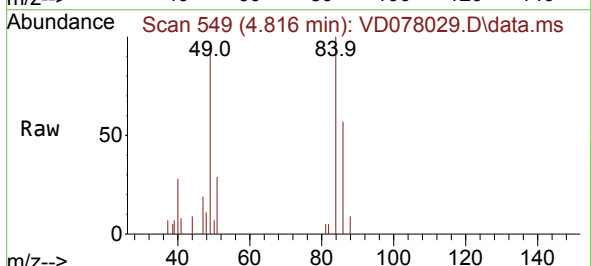
Instrument :
MSVOA_D
ClientSampleId :



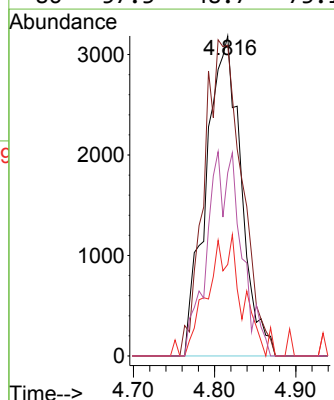
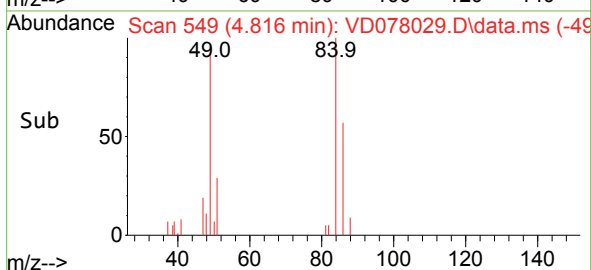
Tgt Ion: 43 Resp: 1276
Ion Ratio Lower Upper
43 100
58 38.3 34.7 52.1

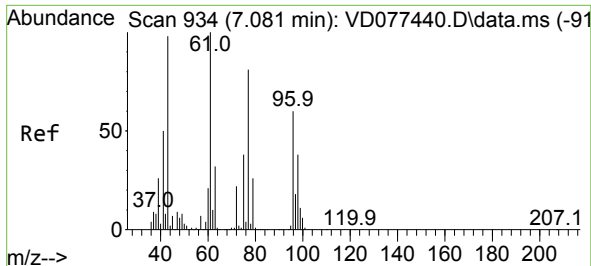


#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45



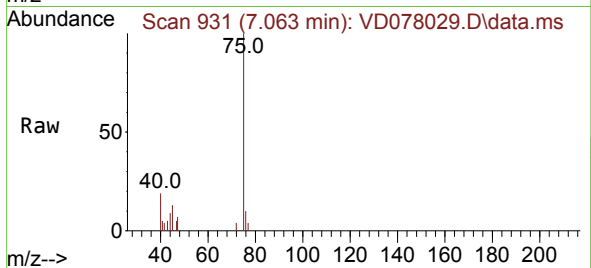
Tgt Ion: 84 Resp: 9516
Ion Ratio Lower Upper
84 100
49 97.2 71.4 107.2
51 28.6 24.5 36.7
86 57.3 48.7 73.1



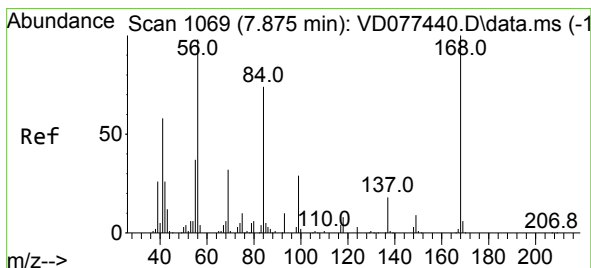
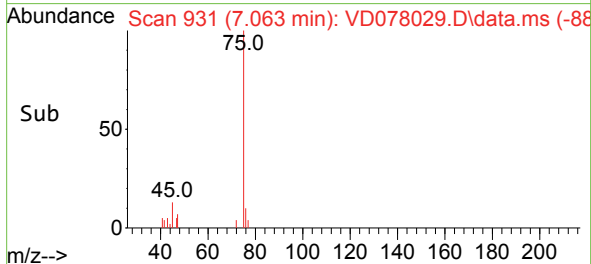
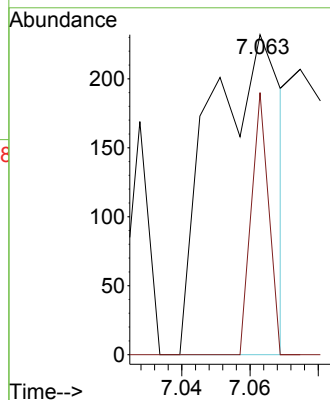


#25
2-Butanone
Concen: Below Cal
RT: 7.063 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

Instrument :
MSVOA_D
ClientSampleId :

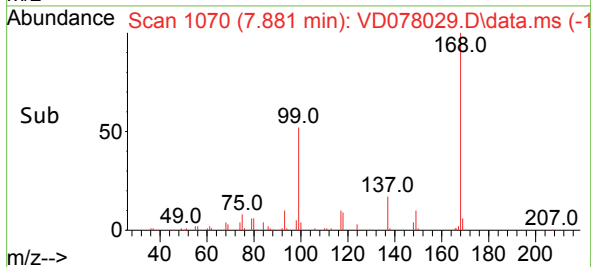
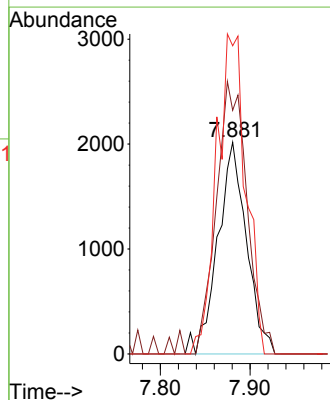
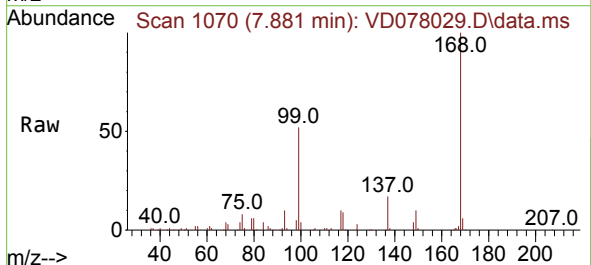


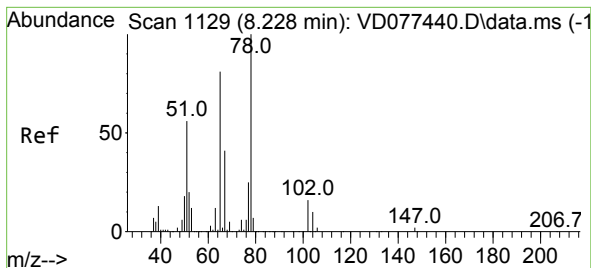
Tgt Ion: 43 Resp: 338
Ion Ratio Lower Upper
43 100
72 81.9 30.7 46.1#



#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

Tgt Ion: 56 Resp: 4484
Ion Ratio Lower Upper
56 100
69 115.1 28.6 43.0#
84 145.6 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 34.101 ug/l

RT: 8.233 min Scan# 1129

Delta R.T. 0.005 min

Lab File: VD078029.D

Acq: 21 Dec 2023 16:45

Instrument :

MSVOA_D

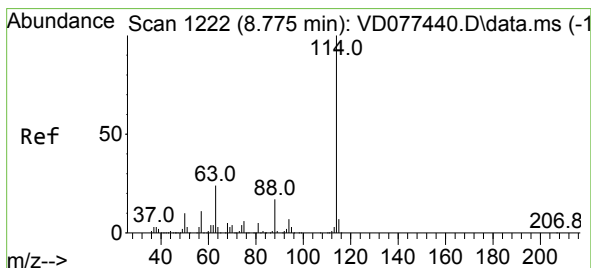
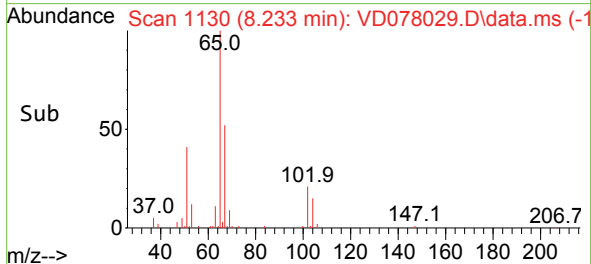
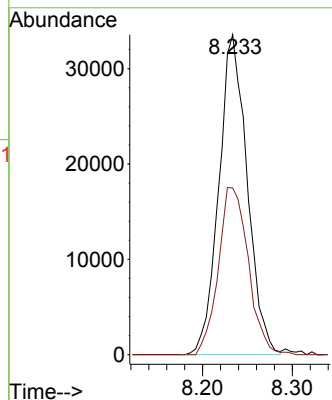
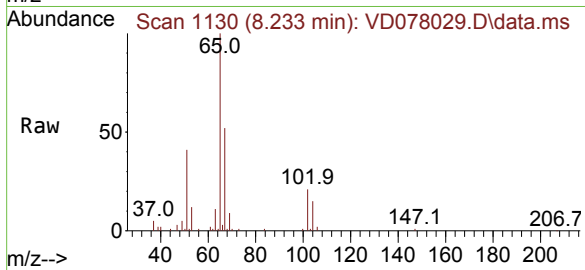
ClientSampleId :

Tgt Ion: 65 Resp: 73543

Ion Ratio Lower Upper

65 100

67 55.3 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: VD078029.D

Acq: 21 Dec 2023 16:45

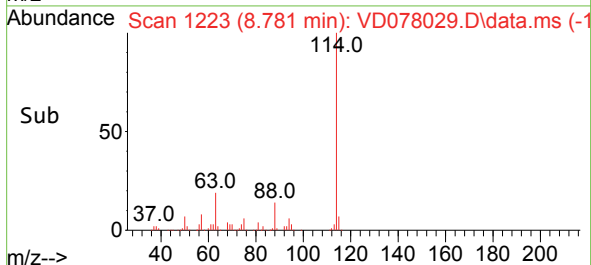
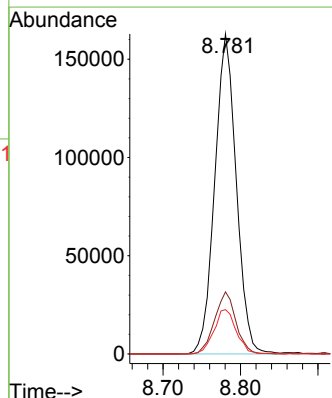
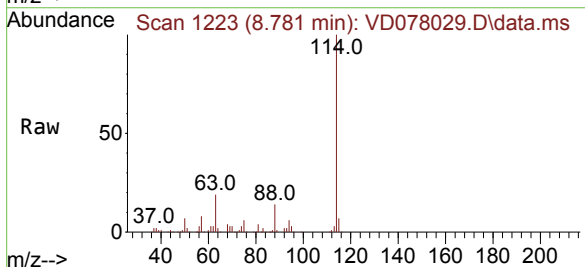
Tgt Ion: 114 Resp: 314323

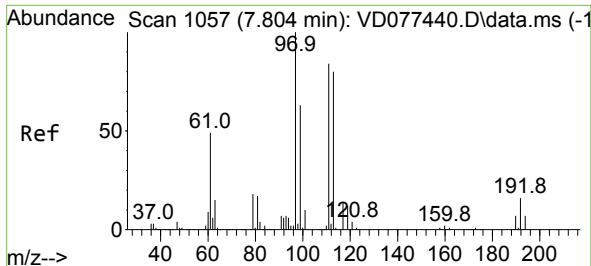
Ion Ratio Lower Upper

114 100

63 19.4 0.0 33.4

88 13.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 42.064 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

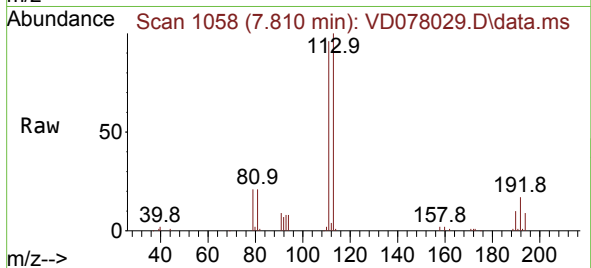
Lab File: VD078029.D

Acq: 21 Dec 2023 16:45

Instrument :

MSVOA_D

ClientSampleId :



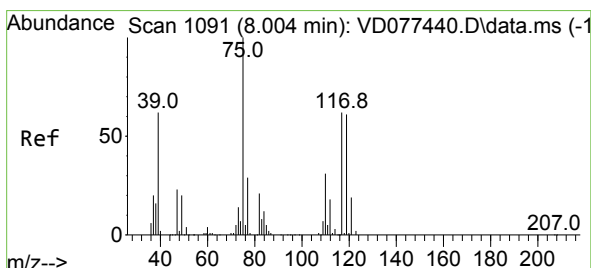
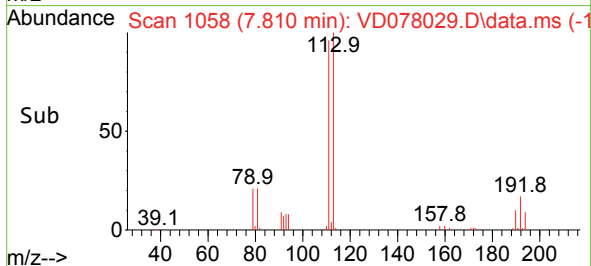
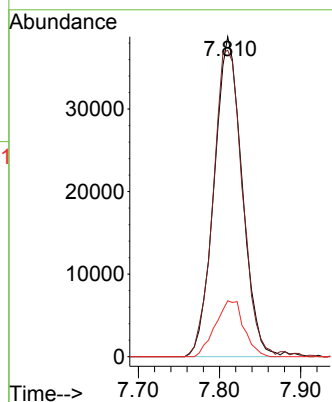
Tgt Ion:113 Resp: 92614

Ion Ratio Lower Upper

113 100

111 100.0 84.7 127.1

192 17.9 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.157 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

Lab File: VD078029.D

Acq: 21 Dec 2023 16:45

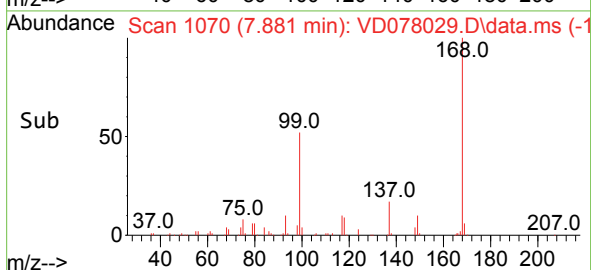
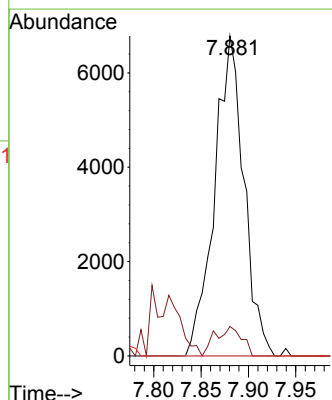
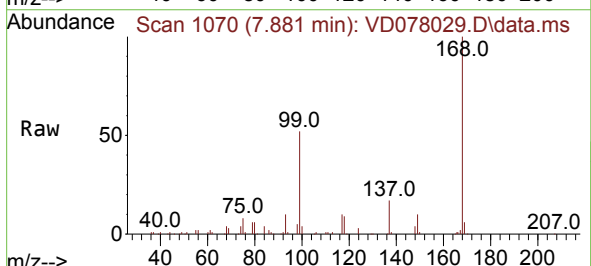
Tgt Ion: 75 Resp: 14640

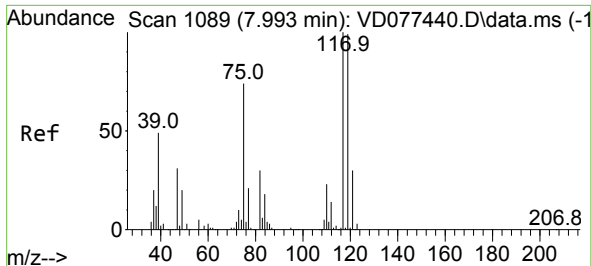
Ion Ratio Lower Upper

75 100

110 8.3 19.9 59.6#

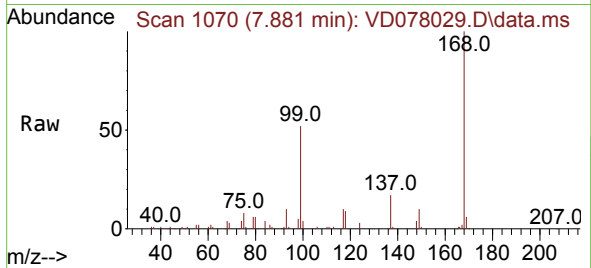
77 0.0 24.7 37.1#



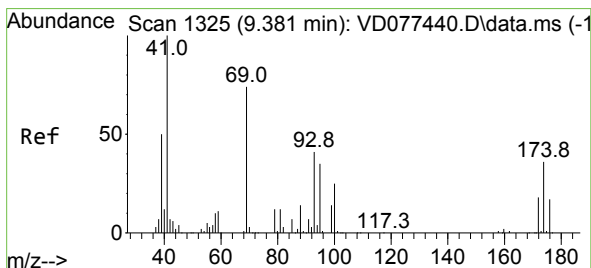
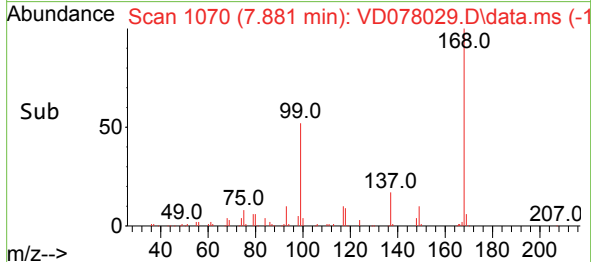
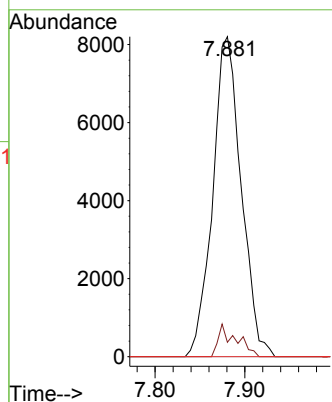


#38
Carbon Tetrachloride
Concen: 5.149 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

Instrument :
MSVOA_D
ClientSampleId :

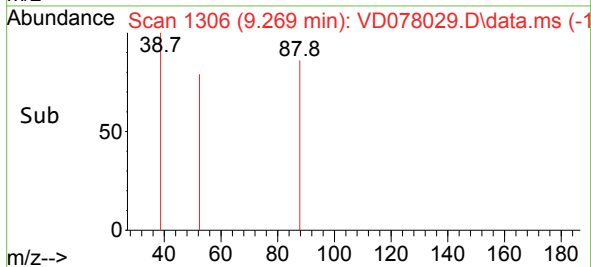
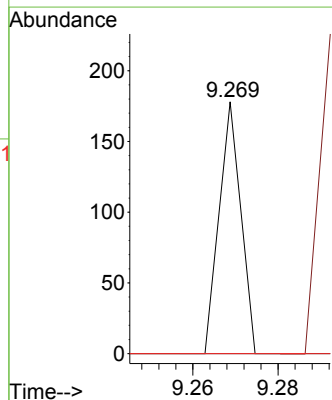
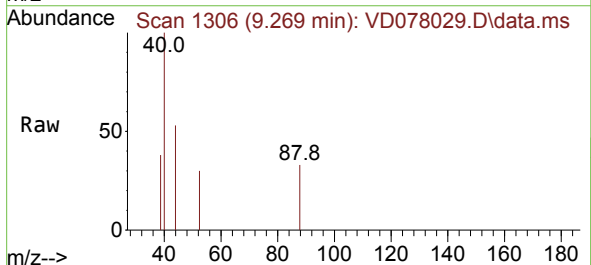


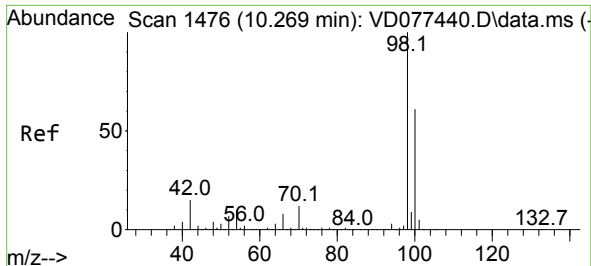
Tgt Ion:117 Resp: 18079
Ion Ratio Lower Upper
117 100
119 4.5 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 4.935 ug/l
RT: 9.269 min Scan# 1306
Delta R.T. -0.112 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 0.0 43.5 65.3#

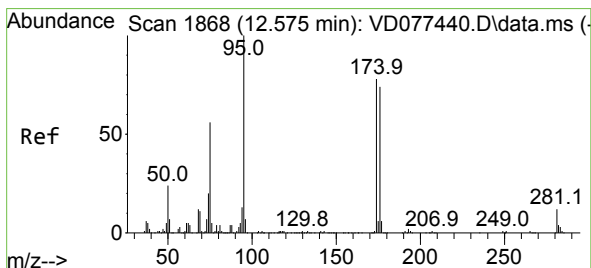
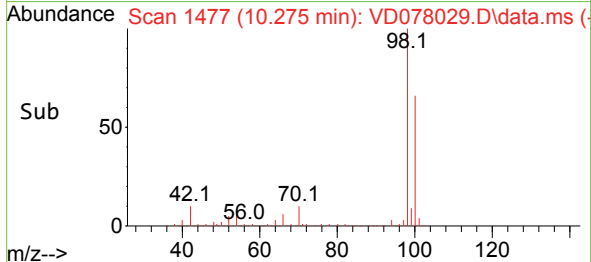
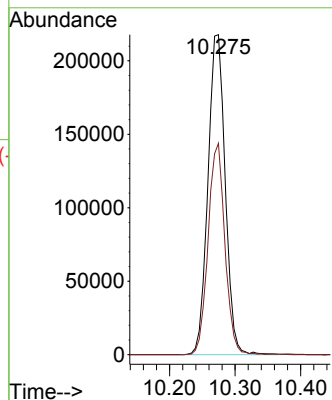
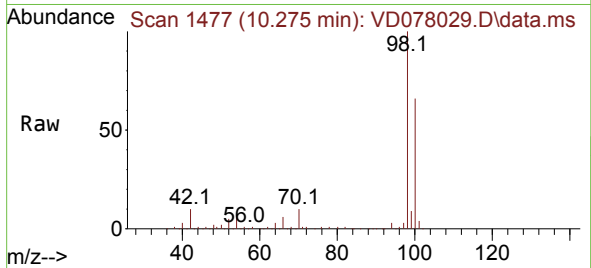




#50
Toluene-d8
Concen: 45.302 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

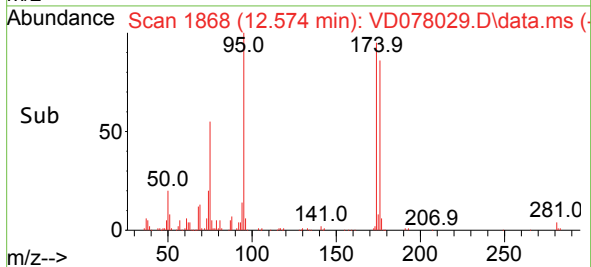
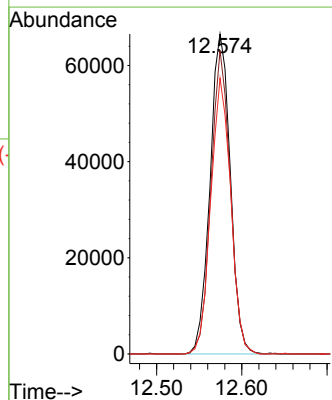
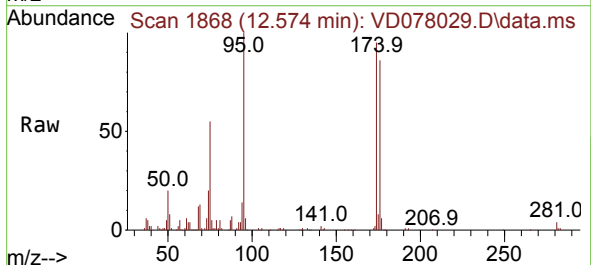
Instrument :
MSVOA_D
ClientSampleId :

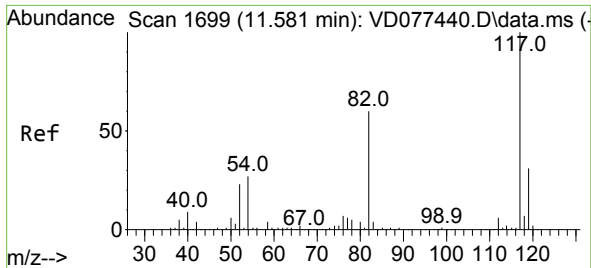
Tgt Ion: 98 Resp: 399479
Ion Ratio Lower Upper
98 100
100 64.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.767 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.001 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

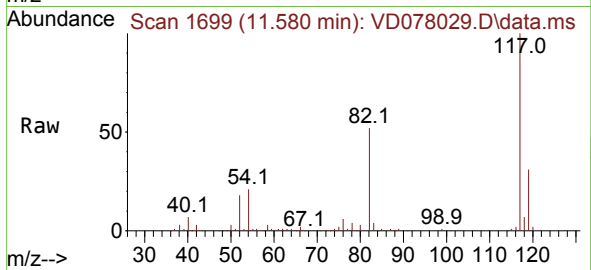
Tgt Ion: 95 Resp: 110116
Ion Ratio Lower Upper
95 100
174 90.1 0.0 201.8
176 84.7 0.0 191.8



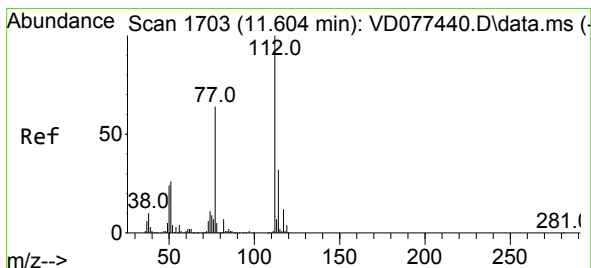
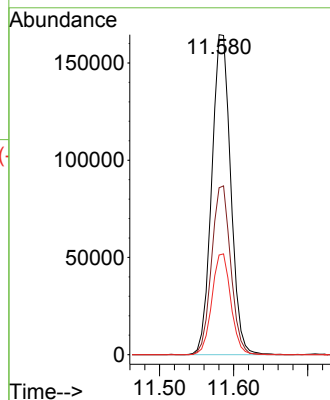
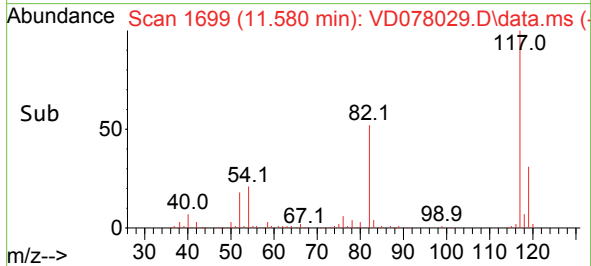


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

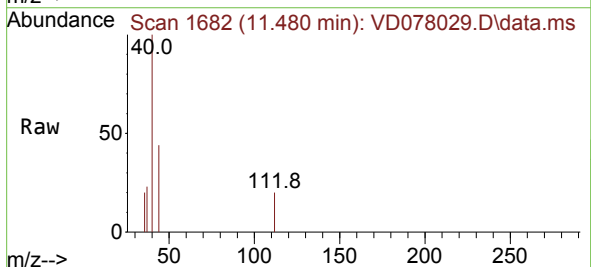
Instrument :
MSVOA_D
ClientSampleId :



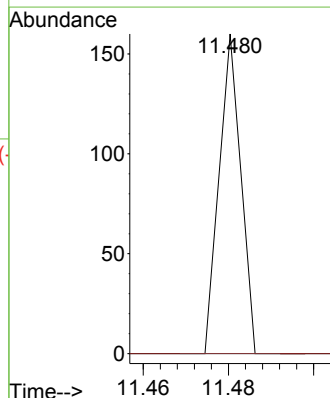
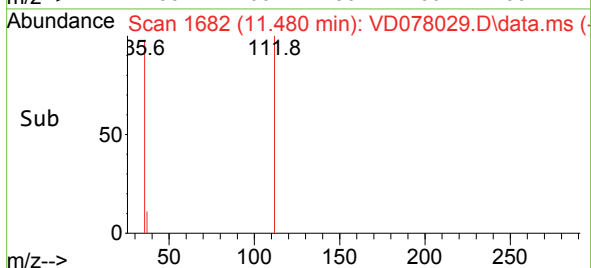
Tgt Ion:117 Resp: 292324
Ion Ratio Lower Upper
117 100
82 52.1 38.3 57.5
119 31.1 25.0 37.4

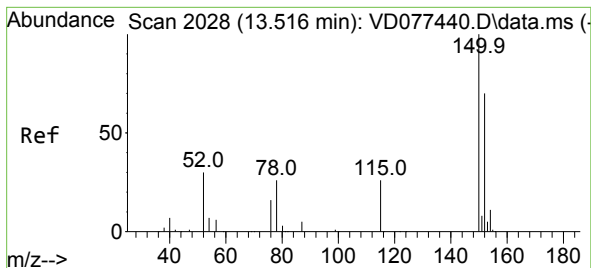


#65
Chlorobenzene
Concen: Below Cal
RT: 11.480 min Scan# 1682
Delta R.T. -0.124 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45



Tgt Ion:112 Resp: 56
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.521 min Scan# 20

Delta R.T. 0.005 min

Lab File: VD078029.D

Acq: 21 Dec 2023 16:45

Instrument :

MSVOA_D

ClientSampleId :

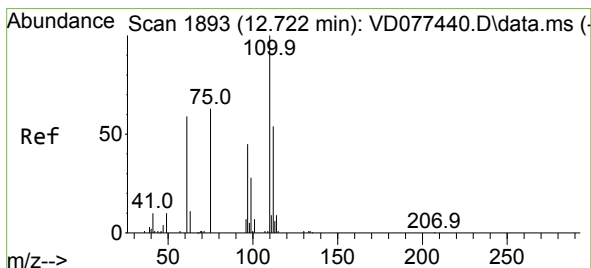
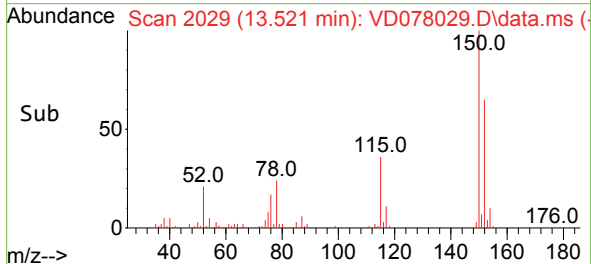
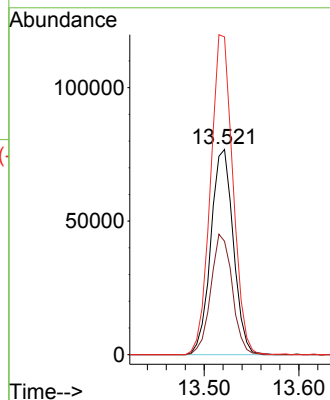
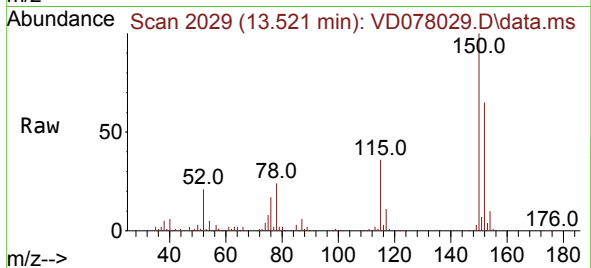
Tgt Ion:152 Resp: 127103

Ion Ratio Lower Upper

152 100

115 55.9 27.1 81.3

150 154.3 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 52.936 ug/l

RT: 12.574 min Scan# 1868

Delta R.T. -0.148 min

Lab File: VD078029.D

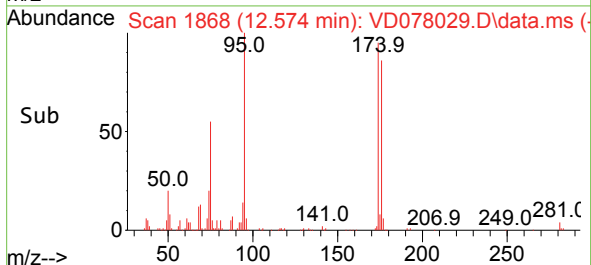
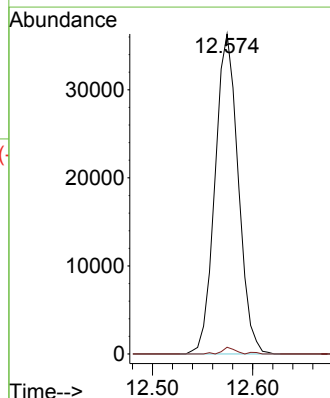
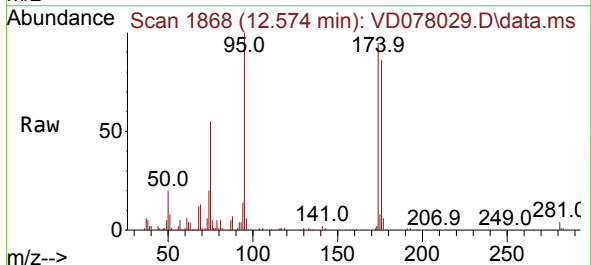
Acq: 21 Dec 2023 16:45

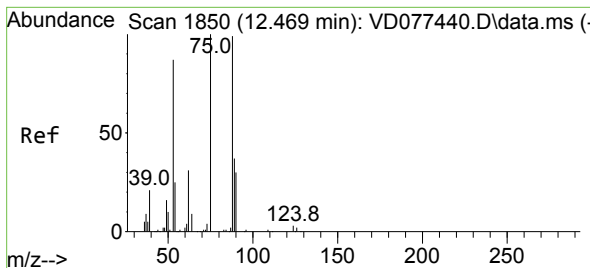
Tgt Ion: 75 Resp: 58436

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

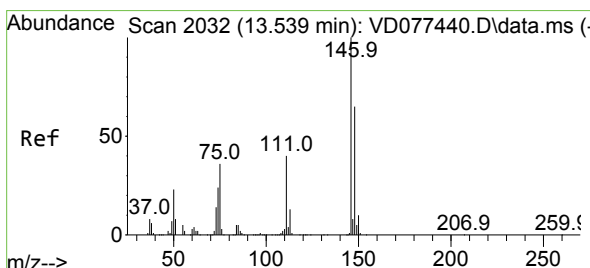
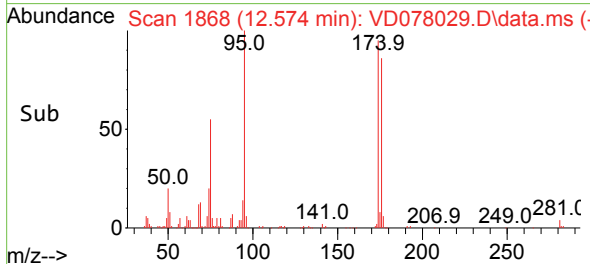
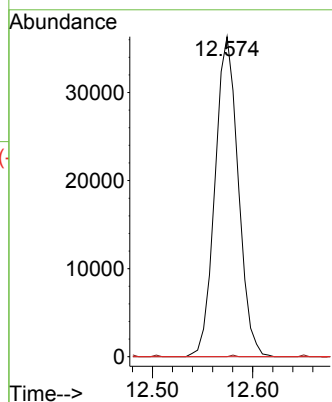
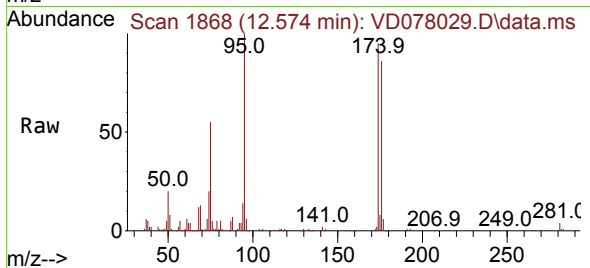




#81
trans-1,4-Dichloro-2-butene
Concen: 107.252 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. 0.105 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 58436
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: 13.521 min Scan# 2029
Delta R.T. -0.018 min
Lab File: VD078029.D
Acq: 21 Dec 2023 16:45

Tgt Ion: 146 Resp: 145
Ion Ratio Lower Upper
146 100
111 1093.1 17.4 52.3#
148 229.0 31.7 95.1#

