

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD077998.D
 Acq On : 20 Dec 2023 16:22
 Operator : RP/MD
 Sample : 05827-02
 Misc : 5.09G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:25:44 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	170652	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	309251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	294077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	131173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	80048	39.807	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.620%
35) Dibromofluoromethane	7.810	113	91663	42.315	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.640%
50) Toluene-d8	10.269	98	395702	45.609	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.220%
62) 4-Bromofluorobenzene	12.575	95	112047	43.197	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.052	59	195	Below Cal	#	73
16) Acetone	4.040	43	1760	Below Cal	#	81
20) Methylene Chloride	4.799	84	5091	Below Cal	#	80
25) 2-Butanone	7.093	43	195	Below Cal	#	37
31) Cyclohexane	7.881	56	4459	1.247	ug/l	# 66
36) 1,1-Dichloropropene	7.887	75	14069	4.060	ug/l	# 48
38) Carbon Tetrachloride	7.881	117	17548	5.080	ug/l	# 15
76) 1,2,3-Trichloropropane	12.575	75	60416	53.032	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	60416	107.446	ug/l	# 17
88) 1,4-Dichlorobenzene	13.528	146	128	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.598	75	53	Below Cal	#	1

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

Quant Time: Dec 21 05:25:44 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# 10

Delta R.T. 0.006 min

Lab File: VD077998.D

Acq: 20 Dec 2023 16:22

Instrument :

MSVOA_D

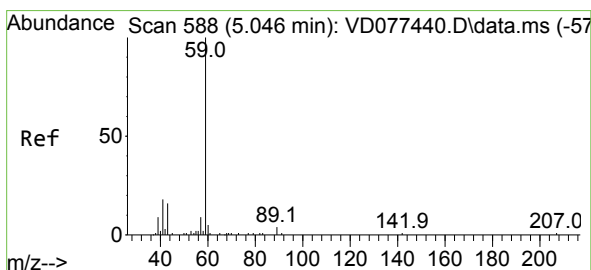
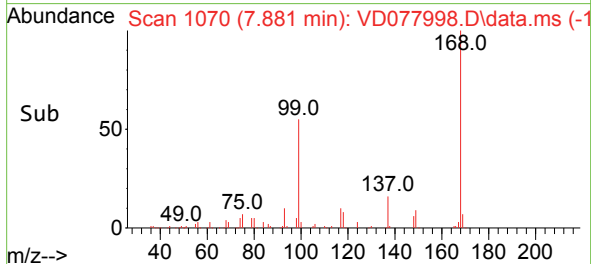
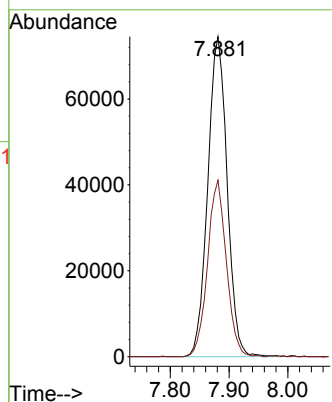
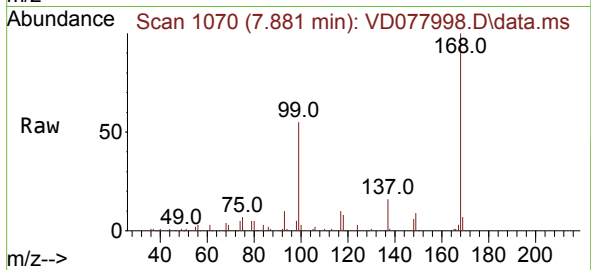
ClientSampleId :

Tgt Ion:168 Resp: 170652

Ion Ratio Lower Upper

168 100

99 55.1 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.052 min Scan# 589

Delta R.T. 0.006 min

Lab File: VD077998.D

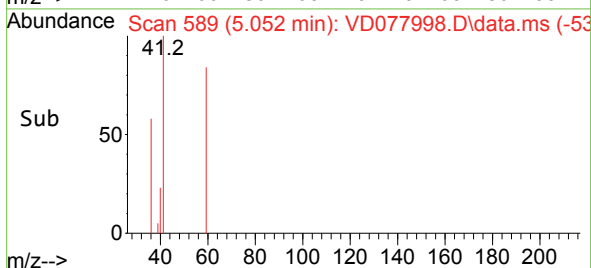
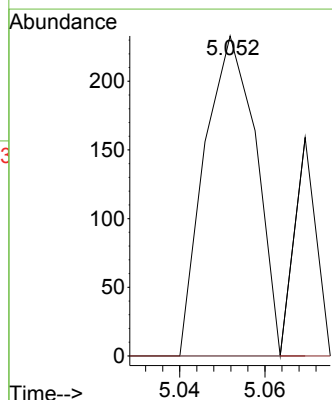
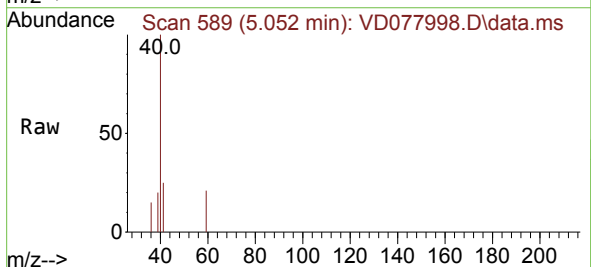
Acq: 20 Dec 2023 16:22

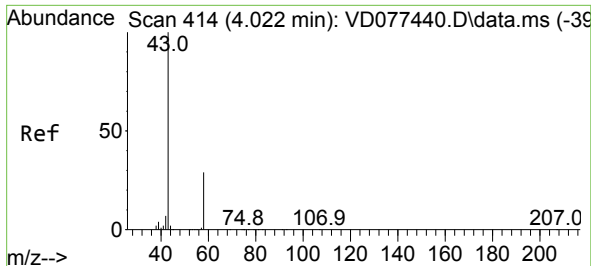
Tgt Ion: 59 Resp: 195

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

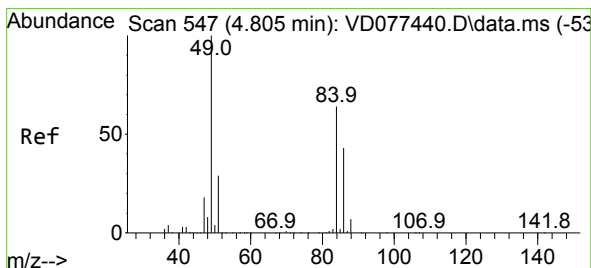
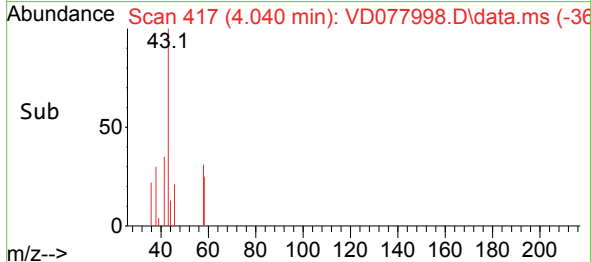
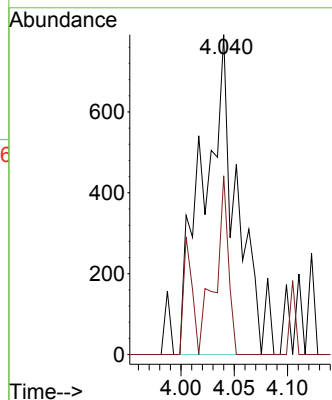
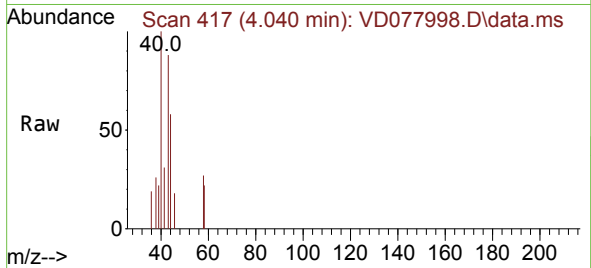




#16
Acetone
Concen: Below Cal
RT: 4.040 min Scan# 414
Delta R.T. 0.018 min
Lab File: VD077998.D
Acq: 20 Dec 2023 16:22

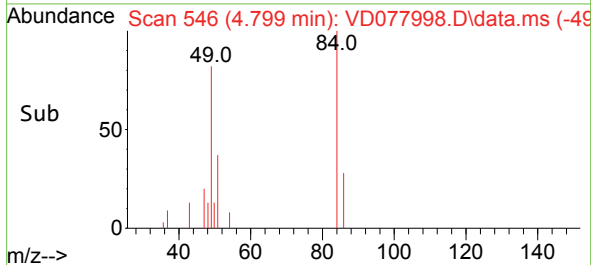
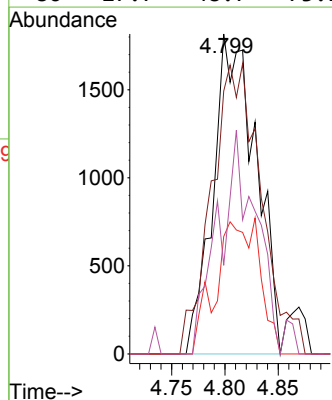
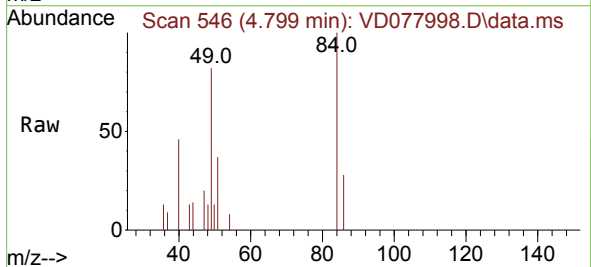
Instrument :
MSVOA_D
ClientSampleId :

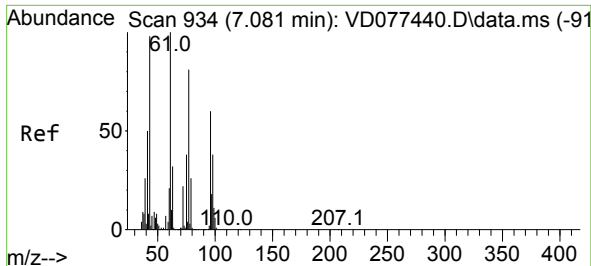
Tgt Ion: 43 Resp: 1760
Ion Ratio Lower Upper
43 100
58 55.9 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077998.D
Acq: 20 Dec 2023 16:22

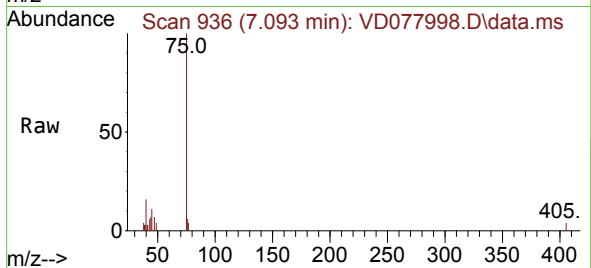
Tgt Ion: 84 Resp: 5091
Ion Ratio Lower Upper
84 100
49 82.2 71.4 107.2
51 36.7 24.5 36.7
86 27.7 48.7 73.1#



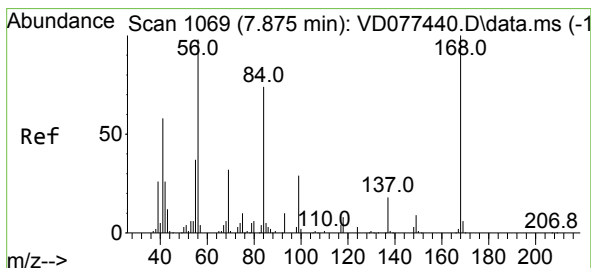
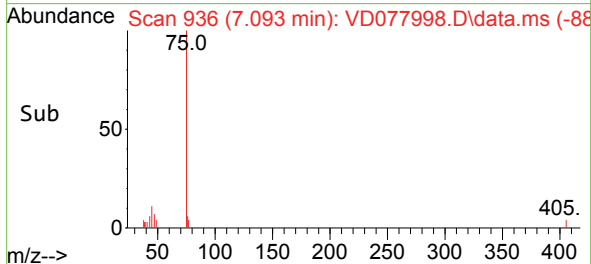
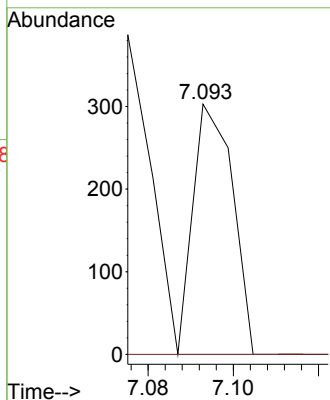


#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD077998.D
Acq: 20 Dec 2023 16:22

Instrument :
MSVOA_D
ClientSampleId :

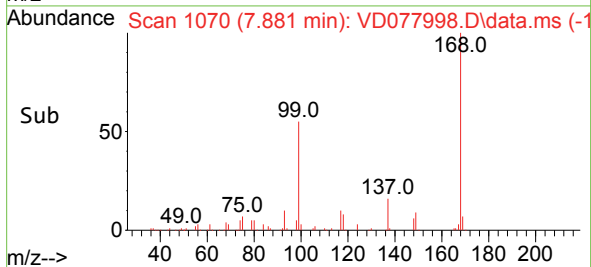
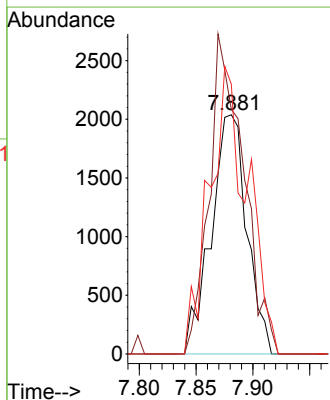
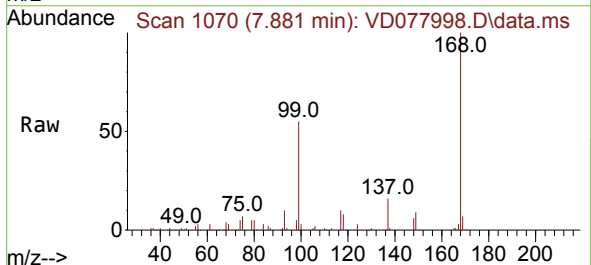


Tgt Ion: 43 Resp: 195
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.247 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077998.D
Acq: 20 Dec 2023 16:22

Tgt Ion: 56 Resp: 4459
Ion Ratio Lower Upper
56 100
69 102.3 28.6 43.0#
84 112.8 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 39.807 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077998.D

Acq: 20 Dec 2023 16:22

Instrument :

MSVOA_D

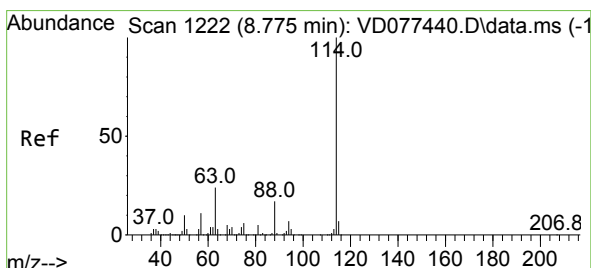
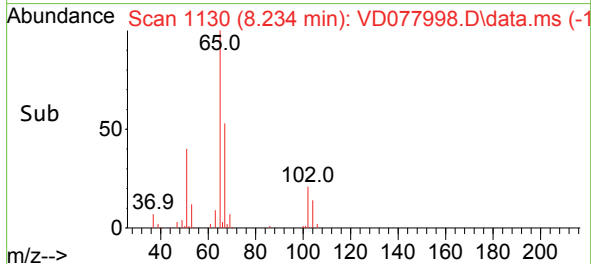
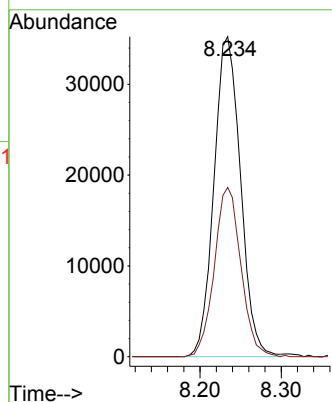
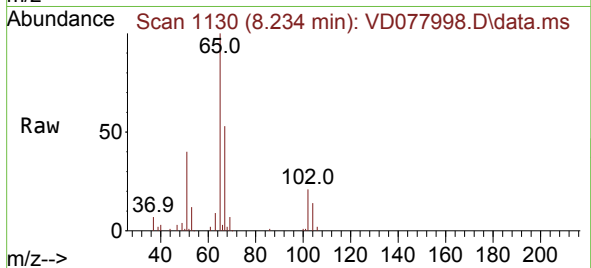
ClientSampleId :

Tgt Ion: 65 Resp: 80048

Ion Ratio Lower Upper

65 100

67 53.0 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: VD077998.D

Acq: 20 Dec 2023 16:22

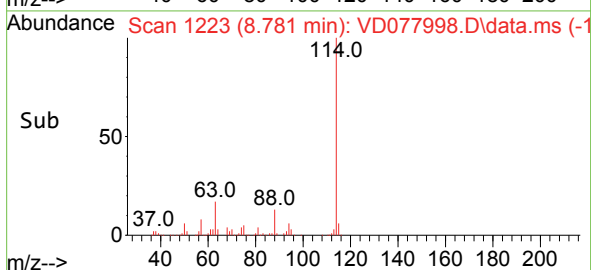
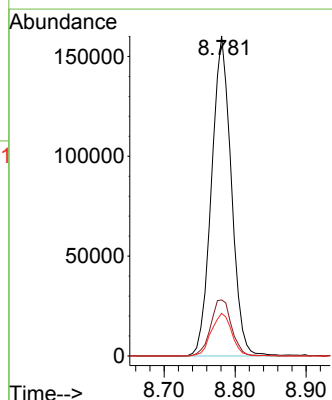
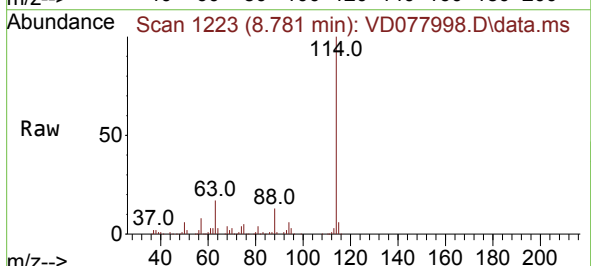
Tgt Ion: 114 Resp: 309251

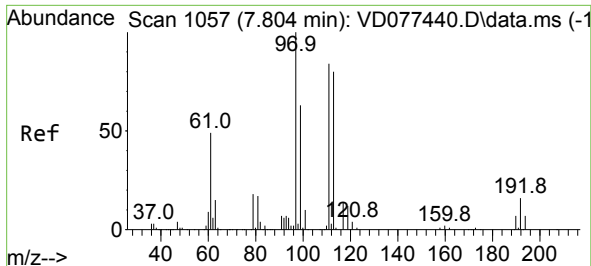
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 13.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 42.315 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

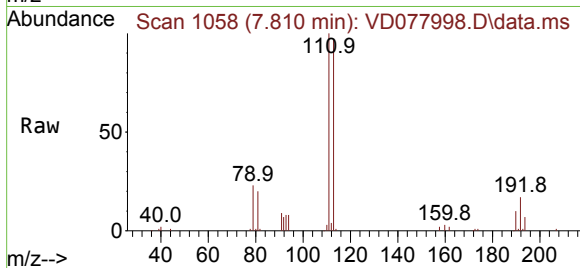
Lab File: VD077998.D

Acq: 20 Dec 2023 16:22

Instrument :

MSVOA_D

ClientSampleId :



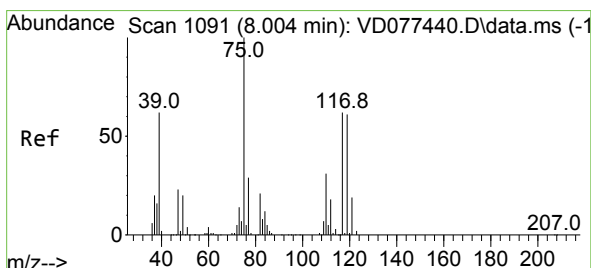
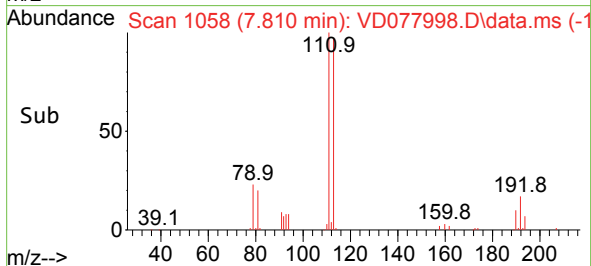
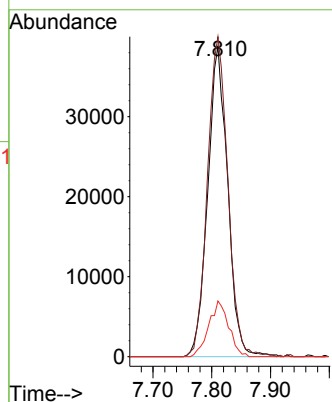
Tgt Ion:113 Resp: 91663

Ion Ratio Lower Upper

113 100

111 105.6 84.7 127.1

192 17.9 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.060 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. -0.117 min

Lab File: VD077998.D

Acq: 20 Dec 2023 16:22

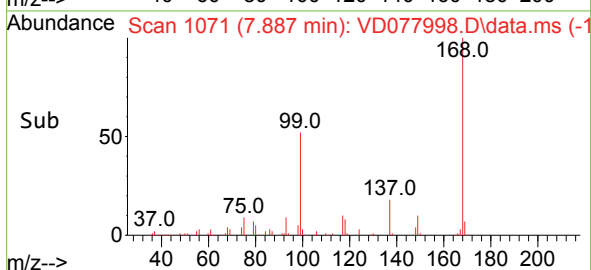
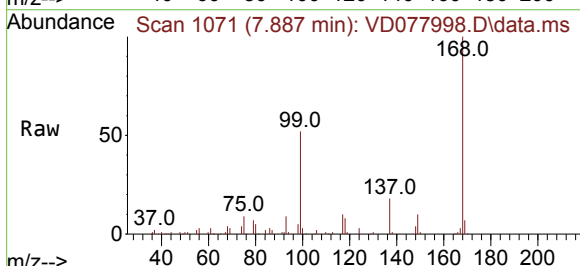
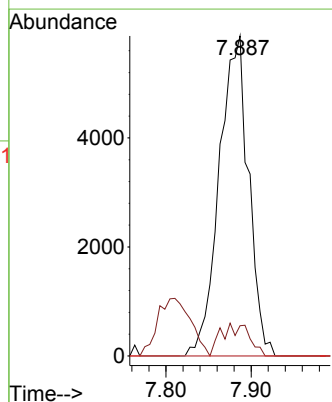
Tgt Ion: 75 Resp: 14069

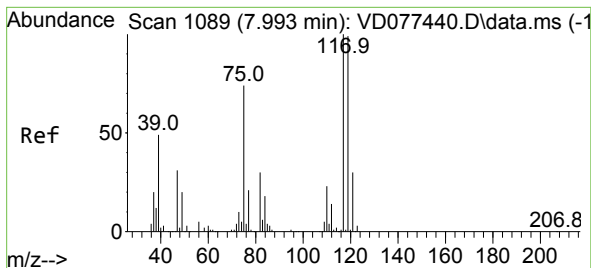
Ion Ratio Lower Upper

75 100

110 9.6 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.080 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

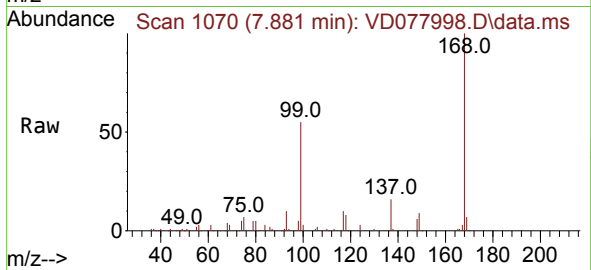
Lab File: VD077998.D

Acq: 20 Dec 2023 16:22

Instrument :

MSVOA_D

ClientSampleId :



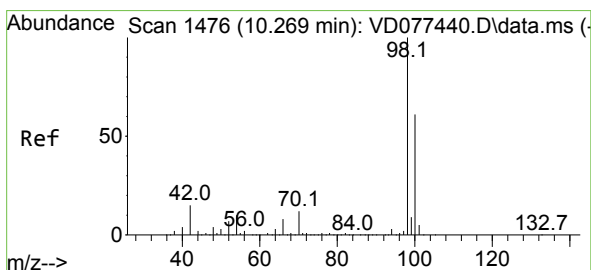
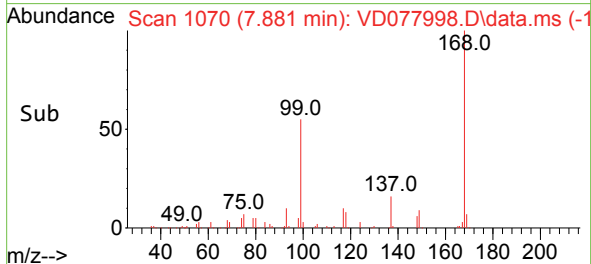
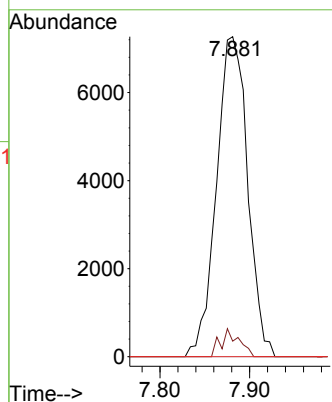
Tgt Ion:117 Resp: 17548

Ion Ratio Lower Upper

117 100

119 4.9 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.609 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077998.D

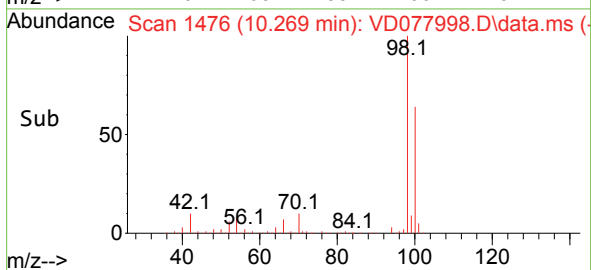
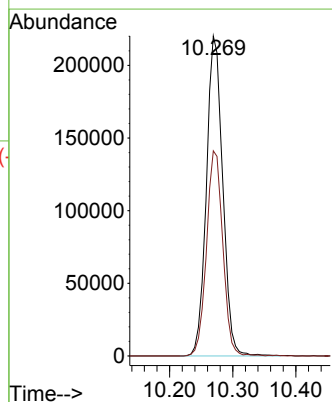
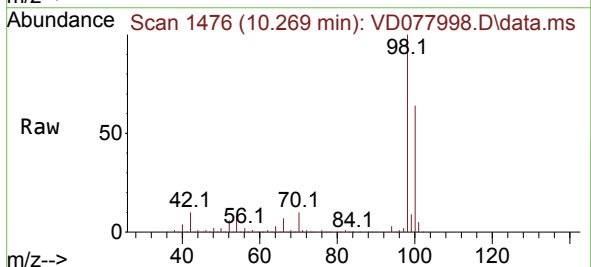
Acq: 20 Dec 2023 16:22

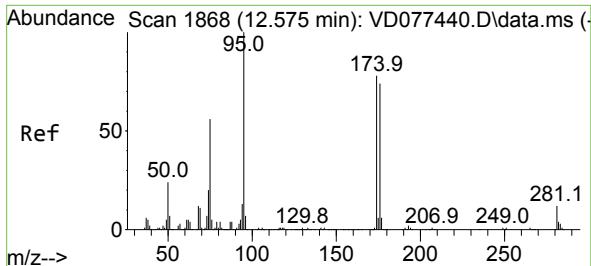
Tgt Ion: 98 Resp: 395702

Ion Ratio Lower Upper

98 100

100 63.9 50.3 75.5

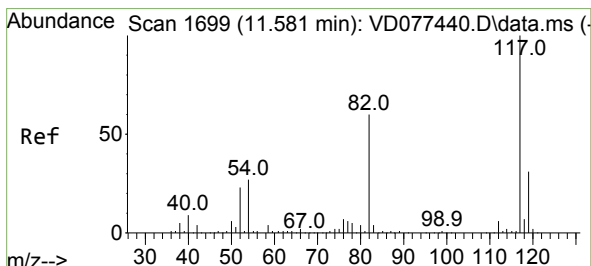
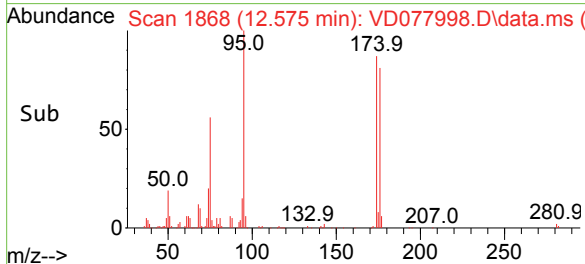
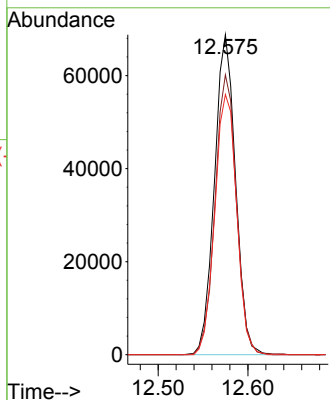
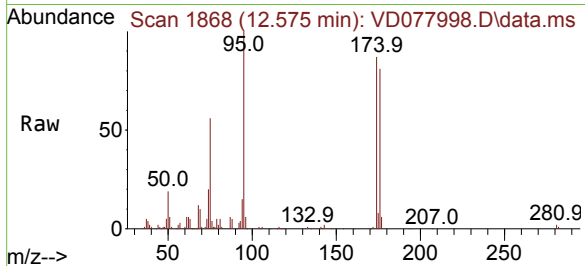




#62
4-Bromofluorobenzene
Concen: 43.197 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077998.D
Acq: 20 Dec 2023 16:22

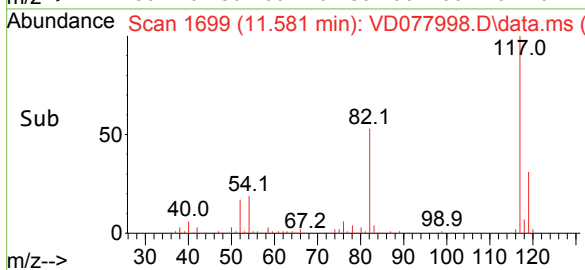
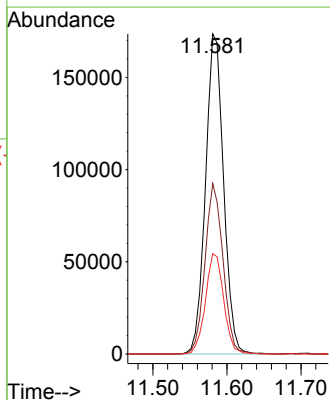
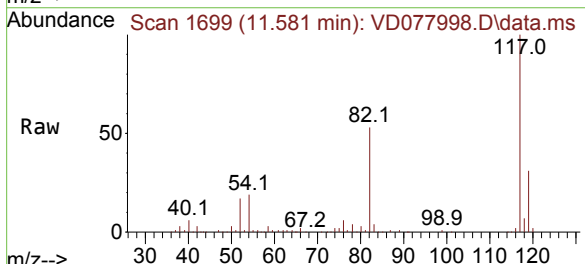
Instrument :
MSVOA_D
ClientSampleId :

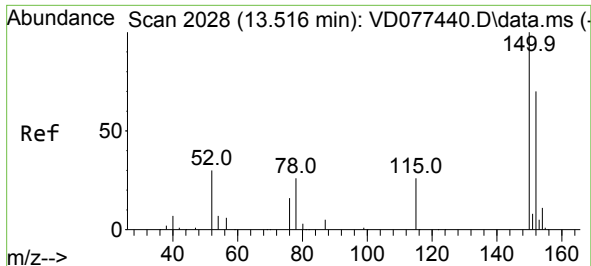
Tgt Ion: 95 Resp: 112047
Ion Ratio Lower Upper
95 100
174 88.5 0.0 201.8
176 84.3 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077998.D
Acq: 20 Dec 2023 16:22

Tgt Ion: 117 Resp: 294077
Ion Ratio Lower Upper
117 100
82 53.3 38.3 57.5
119 31.4 25.0 37.4

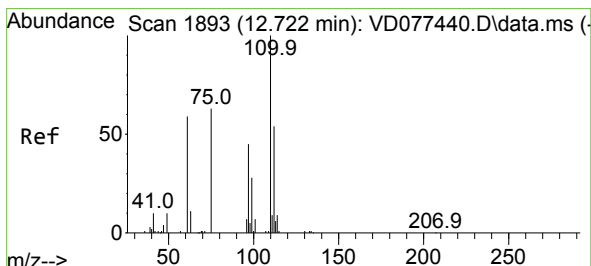
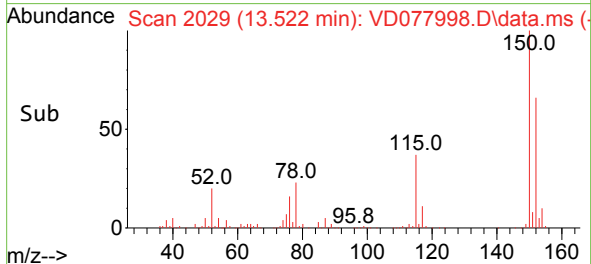
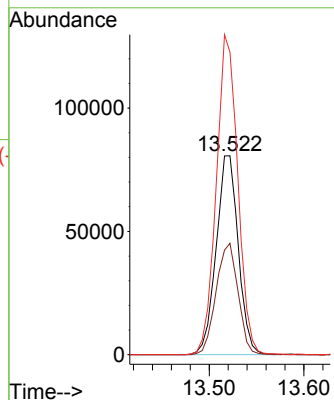
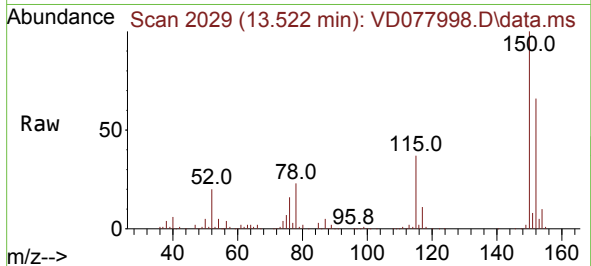




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2028
 Delta R.T. 0.006 min
 Lab File: VD077998.D
 Acq: 20 Dec 2023 16:22

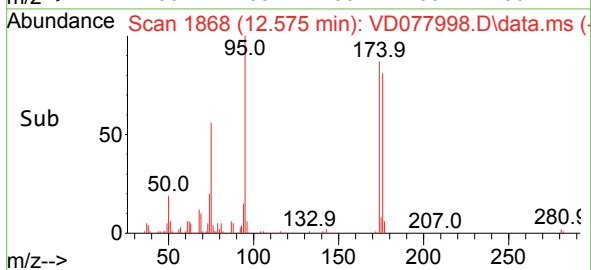
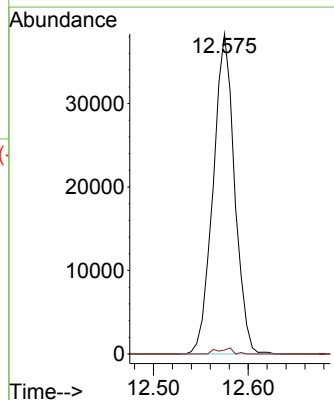
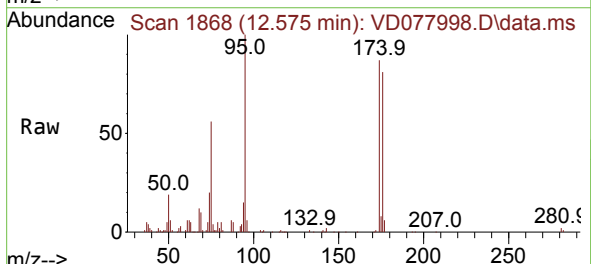
Instrument :
 MSVOA_D
 ClientSampleId :

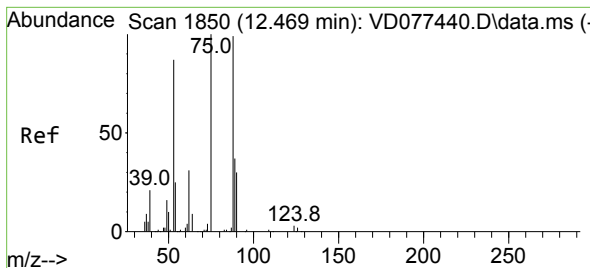
Tgt Ion:152 Resp: 131173
 Ion Ratio Lower Upper
 152 100
 115 55.6 27.1 81.3
 150 156.2 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 53.032 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077998.D
 Acq: 20 Dec 2023 16:22

Tgt Ion: 75 Resp: 60416
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

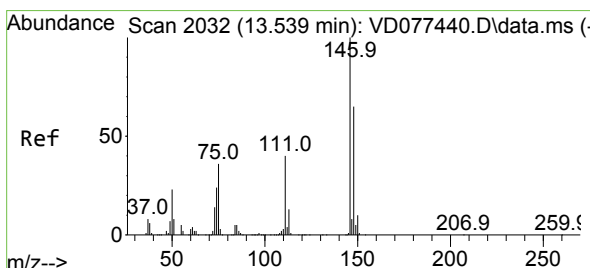
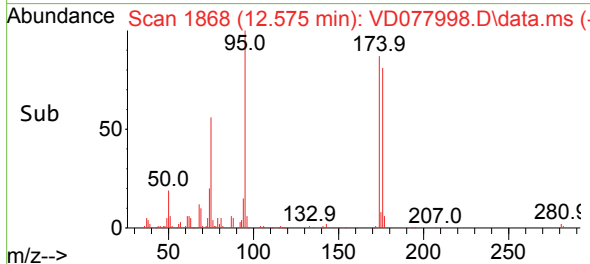
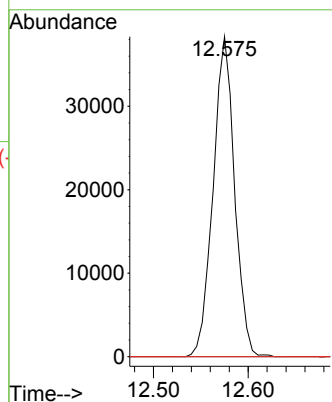
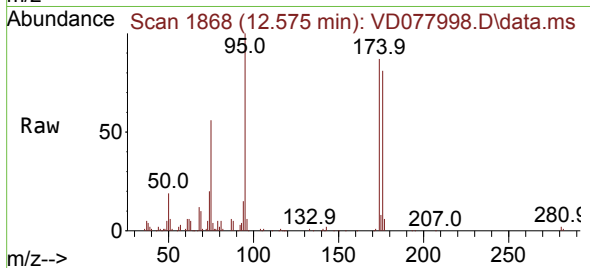




#81
trans-1,4-Dichloro-2-butene
Concen: 107.446 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077998.D
Acq: 20 Dec 2023 16:22

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 60416
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: VD077998.D
Acq: 20 Dec 2023 16:22

Tgt Ion:146 Resp: 128
Ion Ratio Lower Upper
146 100
111 1478.9 17.4 52.3#
148 0.0 31.7 95.1#

