

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078063.D
 Acq On : 22 Dec 2023 14:52
 Operator : RP/MD
 Sample : 05980-01
 Misc : 5.60G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 23 03:37:16 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)

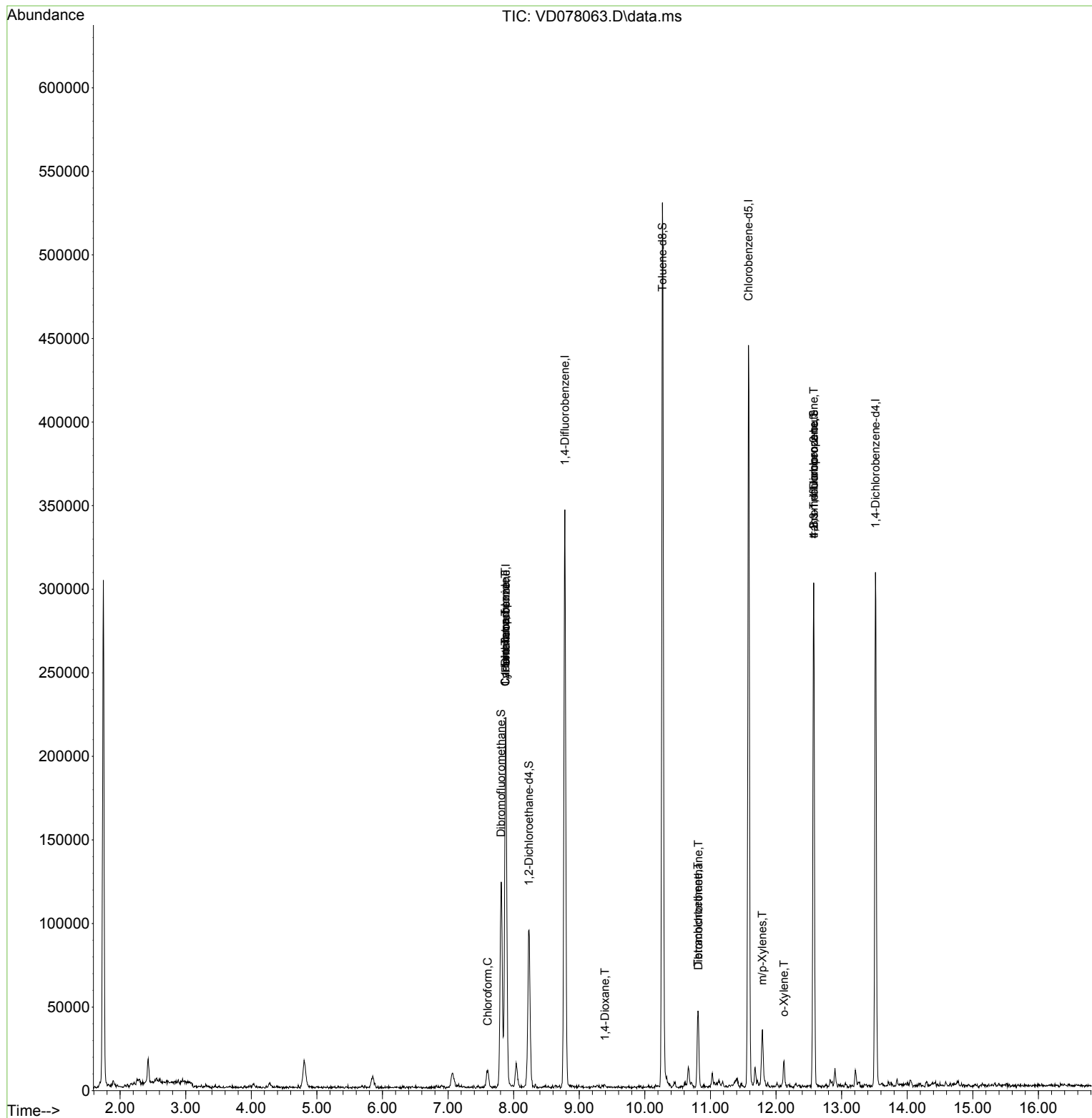
Internal Standards						
1) Pentafluorobenzene	7.881	168	169255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	300073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	259756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	83281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	73363	36.784	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.560%
35) Dibromofluoromethane	7.810	113	89143	42.411	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.820%
50) Toluene-d8	10.269	98	367756	43.685	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.360%
62) 4-Bromofluorobenzene	12.575	95	89191	35.437	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	70.880%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.034	59	133	Below Cal	#	73
16) Acetone	4.022	43	3189	Below Cal	#	61
25) 2-Butanone	7.081	43	1046	Below Cal	#	37
30) Chloroform	7.604	83	10711	2.703	ug/l	92
31) Cyclohexane	7.875	56	4437	1.251	ug/l	# 63
36) 1,1-Dichloropropene	7.875	75	15009	4.464	ug/l	# 47
38) Carbon Tetrachloride	7.875	117	17252	5.147	ug/l	# 14
49) 1,4-Dioxane	9.393	88	1191	97.722	ug/l	# 44
60) Dibromochloromethane	10.816	129	9324	4.613	ug/l	# 12
64) Tetrachloroethene	10.810	164	10406	5.451	ug/l	93
68) m/p-Xylenes	11.793	106	9763	2.360	ug/l	99
69) o-Xylene	12.122	106	3952	1.037	ug/l	96
76) 1,2,3-Trichloropropane	12.575	75	46507	64.298	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	46507	130.273	ug/l	# 17
88) 1,4-Dichlorobenzene	13.539	146	201	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.545	75	59	Below Cal	#	1

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
Data File : VD078063.D
Acq On : 22 Dec 2023 14:52
Operator : RP/MD
Sample : 05980-01
Misc : 5.60G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 23 03:37:16 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# 1

Delta R.T. 0.006 min

Lab File: VD078063.D

Acq: 22 Dec 2023 14:52

Instrument :

MSVOA_D

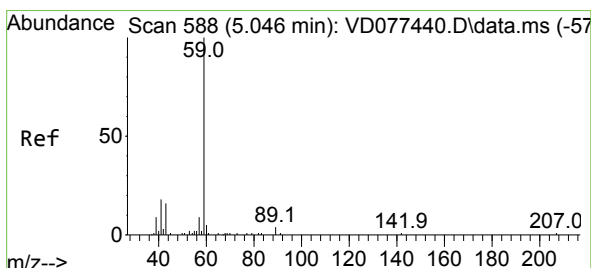
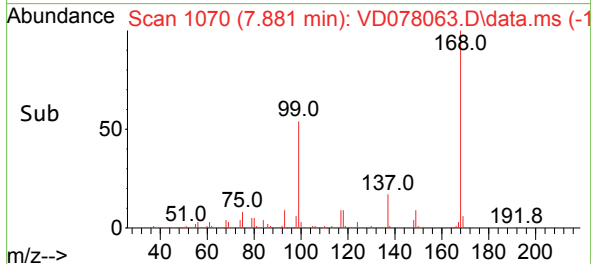
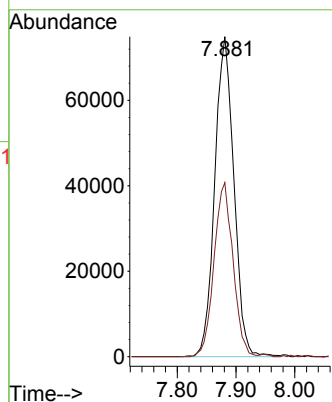
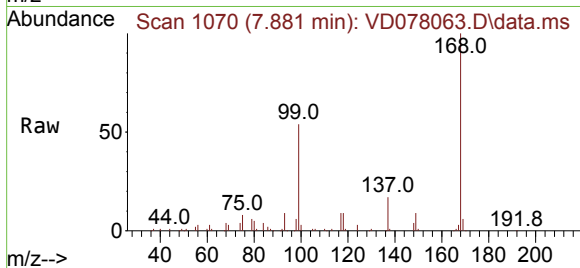
ClientSampleId :

Tgt Ion:168 Resp: 169255

Ion Ratio Lower Upper

168 100

99 54.4 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: VD078063.D

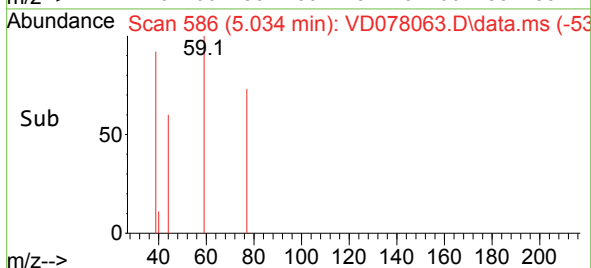
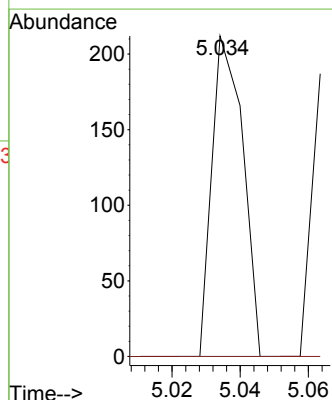
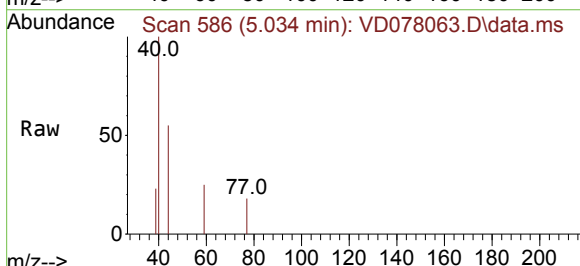
Acq: 22 Dec 2023 14:52

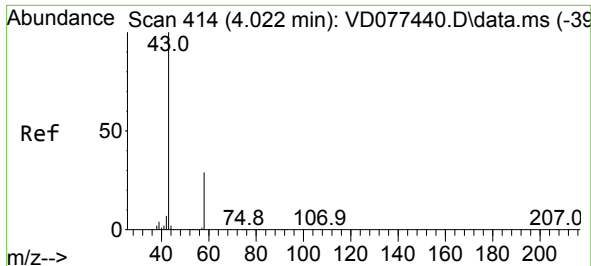
Tgt Ion: 59 Resp: 133

Ion Ratio Lower Upper

59 100

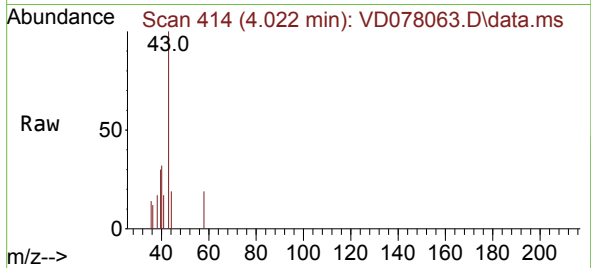
57 0.0 7.8 11.8#



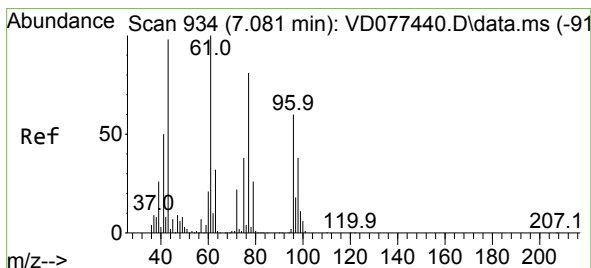
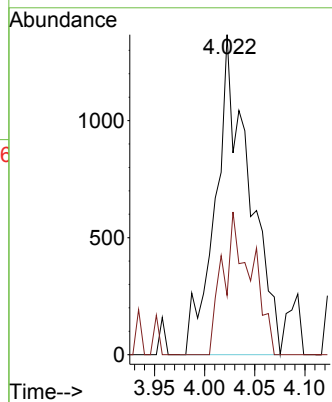
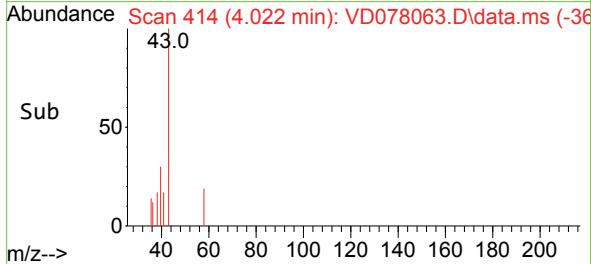


#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

Instrument :
MSVOA_D
ClientSampleId :

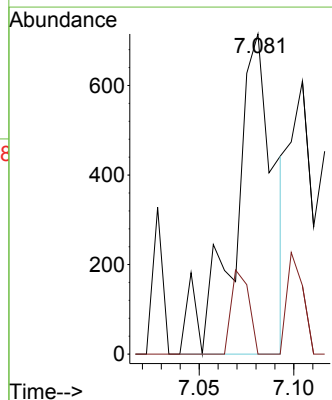
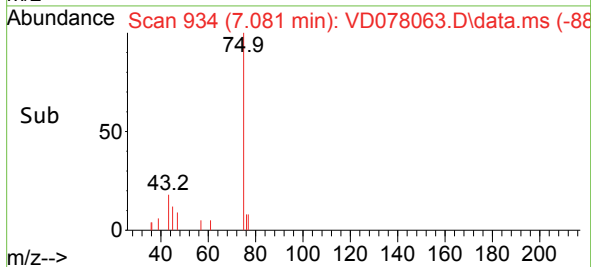
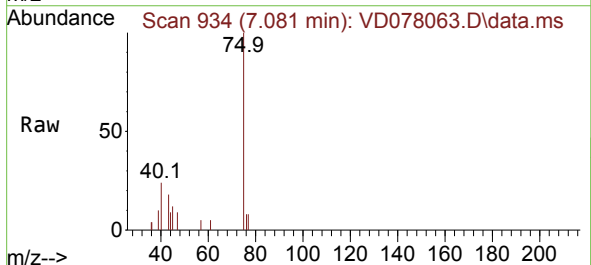


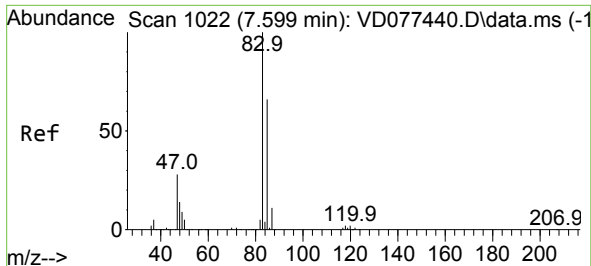
Tgt Ion: 43 Resp: 3189
Ion Ratio Lower Upper
43 100
58 18.5 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

Tgt Ion: 43 Resp: 1046
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#30

Chloroform

Concen: 2.703 ug/l

RT: 7.604 min Scan# 1023

Delta R.T. 0.005 min

Lab File: VD078063.D

Acq: 22 Dec 2023 14:52

Instrument :

MSVOA_D

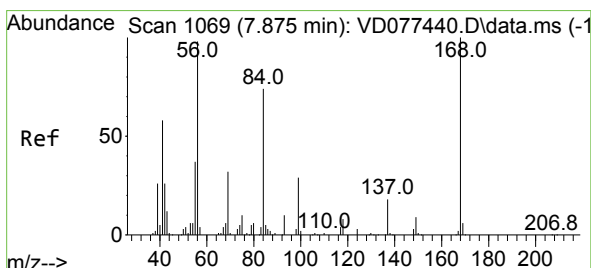
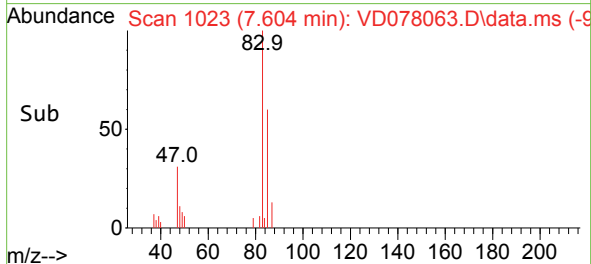
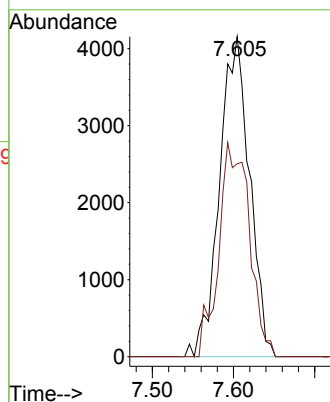
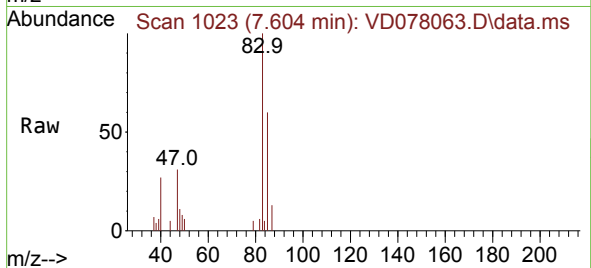
ClientSampleId :

Tgt Ion: 83 Resp: 10711

Ion Ratio Lower Upper

83 100

85 60.3 53.4 80.2



#31

Cyclohexane

Concen: 1.251 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD078063.D

Acq: 22 Dec 2023 14:52

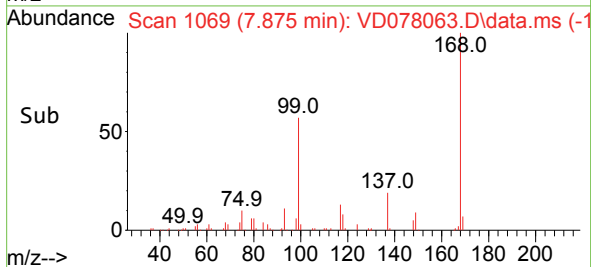
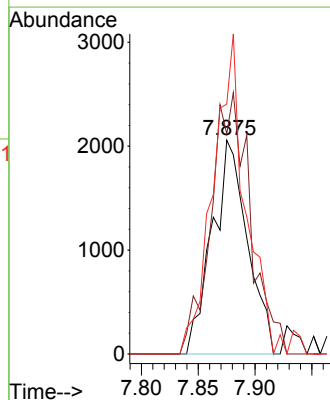
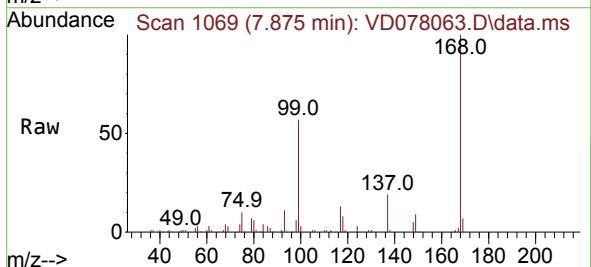
Tgt Ion: 56 Resp: 4437

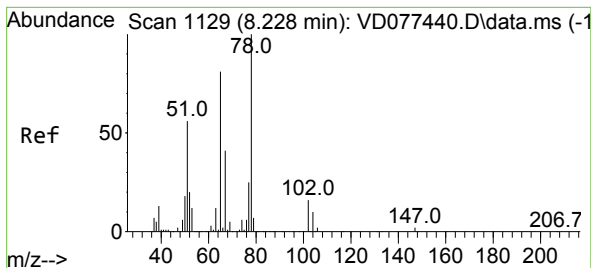
Ion Ratio Lower Upper

56 100

69 102.9 28.6 43.0#

84 117.0 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 36.784 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078063.D

Acq: 22 Dec 2023 14:52

Instrument :

MSVOA_D

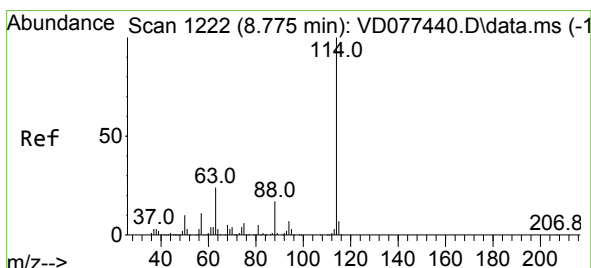
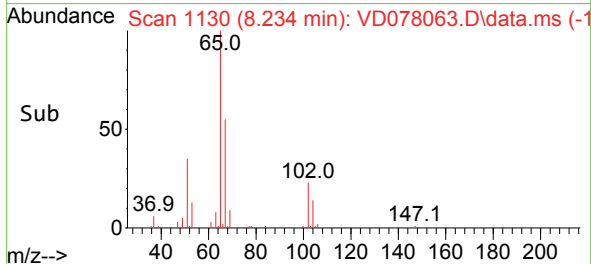
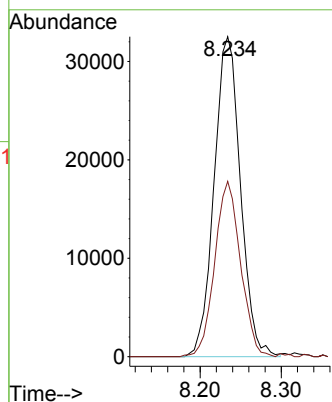
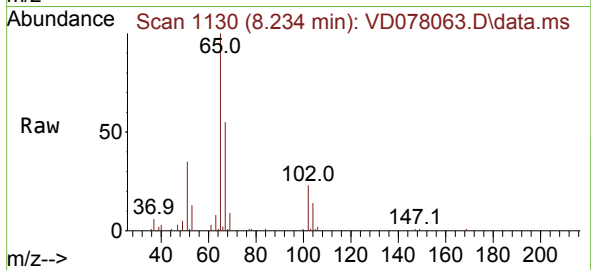
ClientSampleId :

Tgt Ion: 65 Resp: 73363

Ion Ratio Lower Upper

65 100

67 53.6 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: VD078063.D

Acq: 22 Dec 2023 14:52

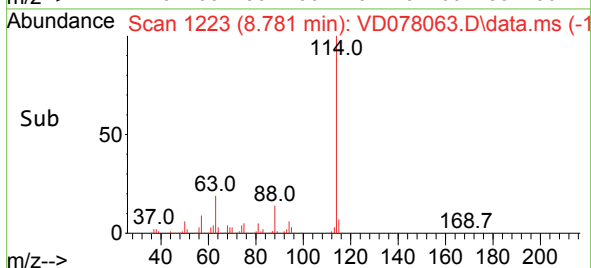
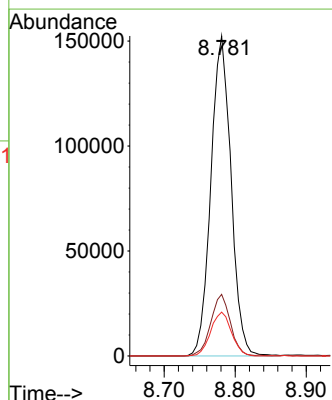
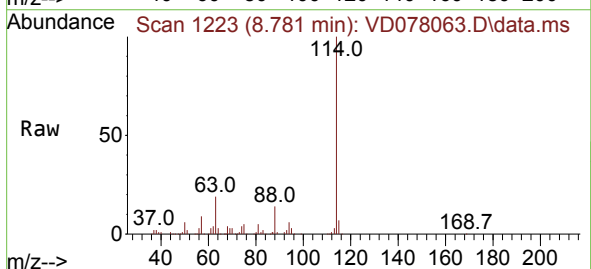
Tgt Ion: 114 Resp: 300073

Ion Ratio Lower Upper

114 100

63 19.3 0.0 33.4

88 13.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 42.411 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

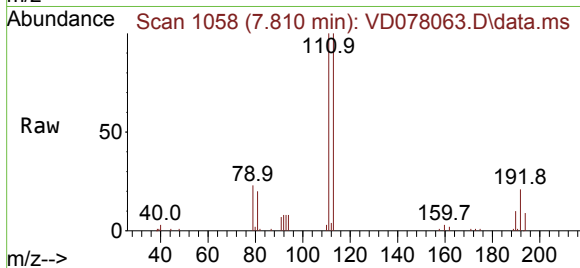
Lab File: VD078063.D

Acq: 22 Dec 2023 14:52

Instrument :

MSVOA_D

ClientSampleId :



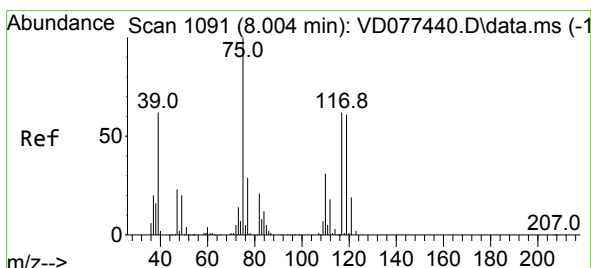
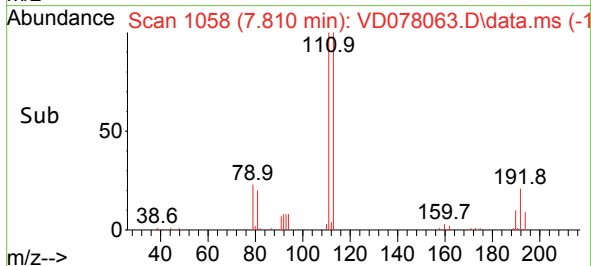
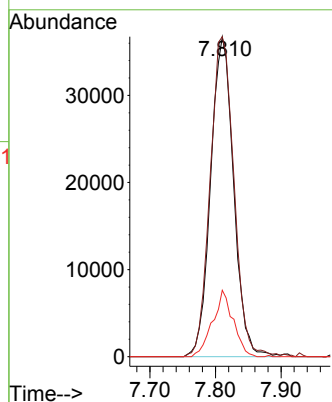
Tgt Ion:113 Resp: 89143

Ion Ratio Lower Upper

113 100

111 104.0 84.7 127.1

192 18.6 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.464 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD078063.D

Acq: 22 Dec 2023 14:52

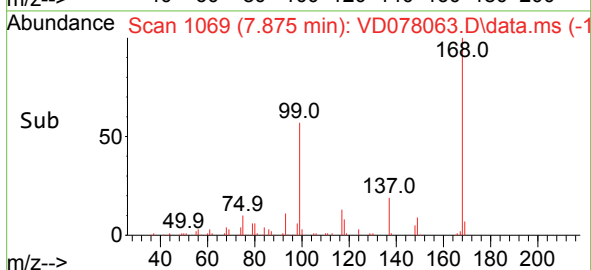
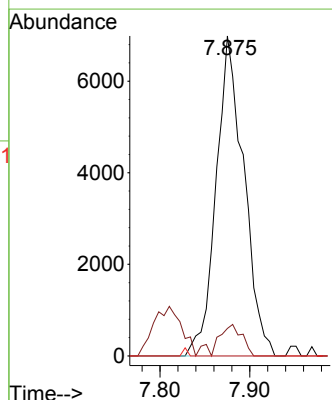
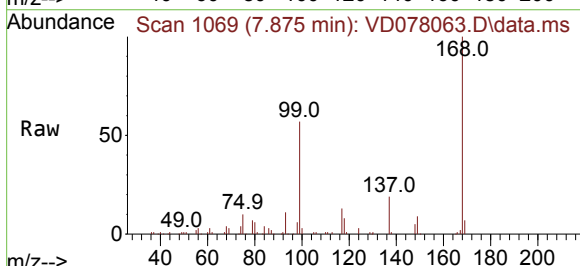
Tgt Ion: 75 Resp: 15009

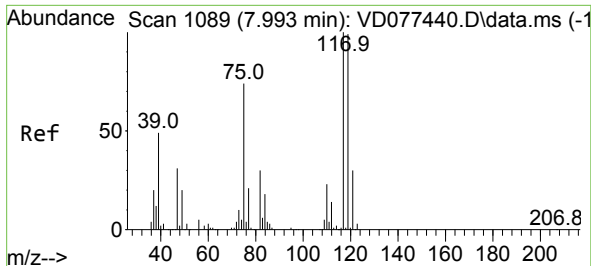
Ion Ratio Lower Upper

75 100

110 8.3 19.9 59.6#

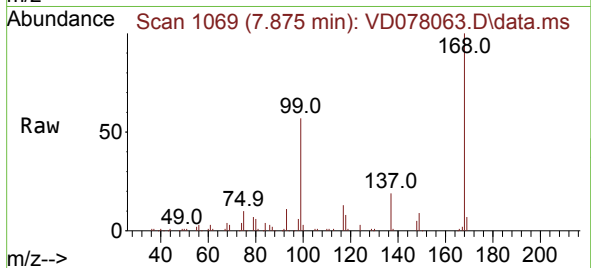
77 0.0 24.7 37.1#



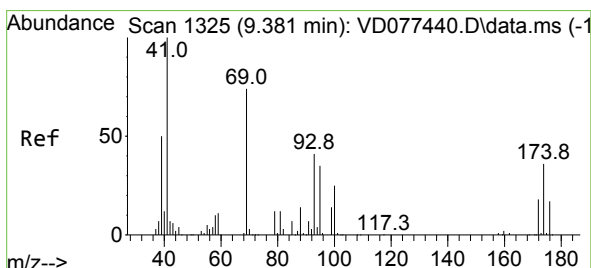
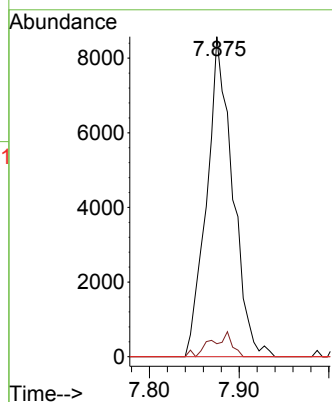
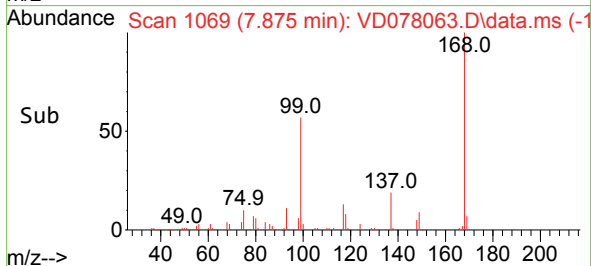


#38
Carbon Tetrachloride
Concen: 5.147 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

Instrument :
MSVOA_D
ClientSampleId :

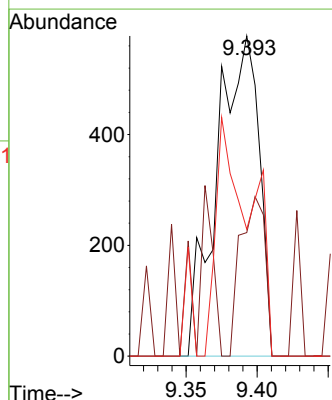
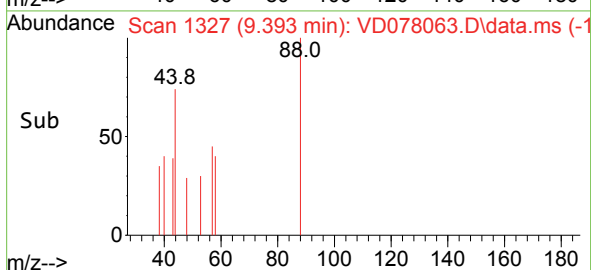
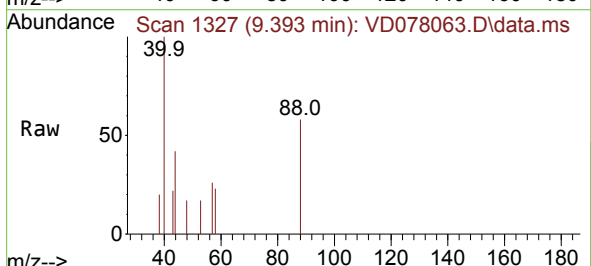


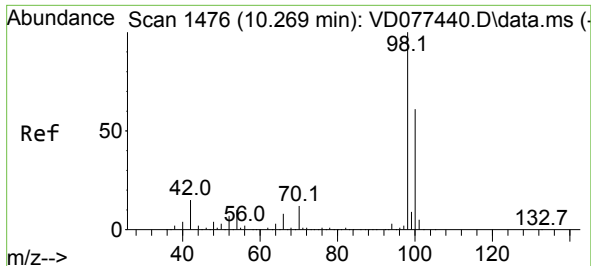
Tgt Ion:117 Resp: 17252
Ion Ratio Lower Upper
117 100
119 4.0 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 97.722 ug/l
RT: 9.393 min Scan# 1327
Delta R.T. 0.012 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

Tgt Ion: 88 Resp: 1191
Ion Ratio Lower Upper
88 100
43 29.1 19.0 28.6#
58 0.0 43.5 65.3#

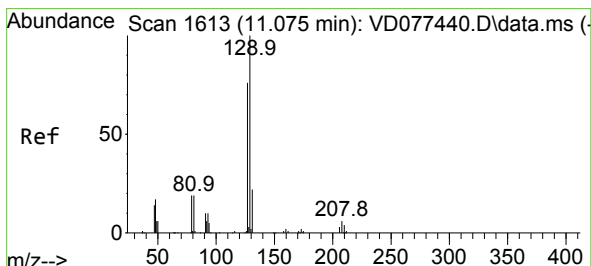
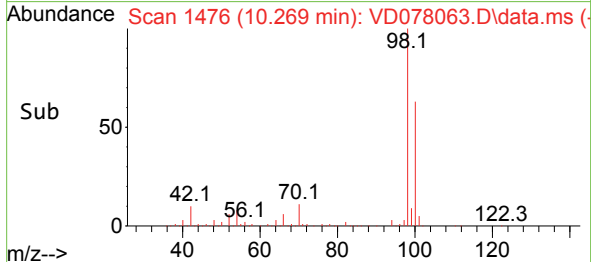
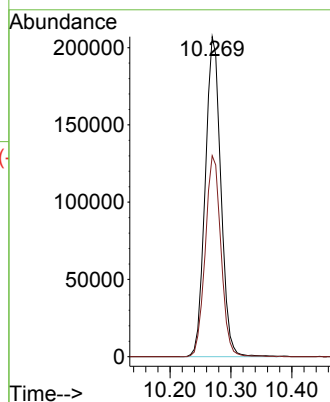
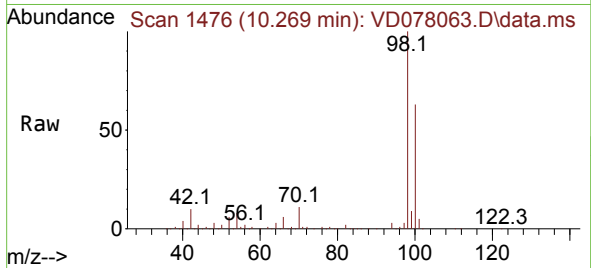




#50
Toluene-d8
Concen: 43.685 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

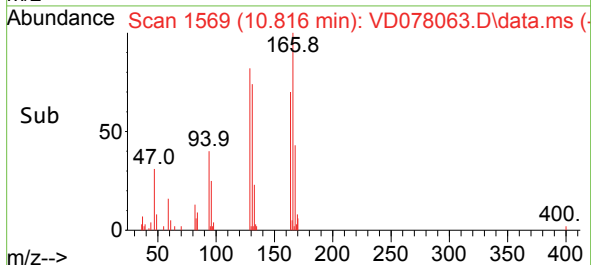
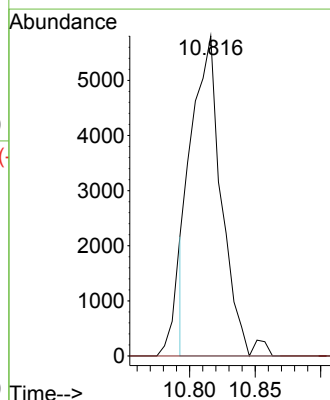
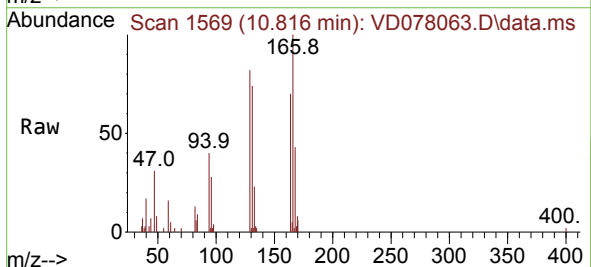
Instrument :
MSVOA_D
ClientSampleId :

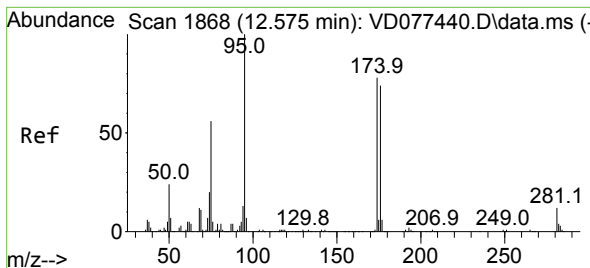
Tgt Ion: 98 Resp: 367756
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5



#60
Dibromochloromethane
Concen: 4.613 ug/l
RT: 10.816 min Scan# 1569
Delta R.T. -0.259 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

Tgt Ion:129 Resp: 9324
Ion Ratio Lower Upper
129 100
127 0.0 37.1 111.5#

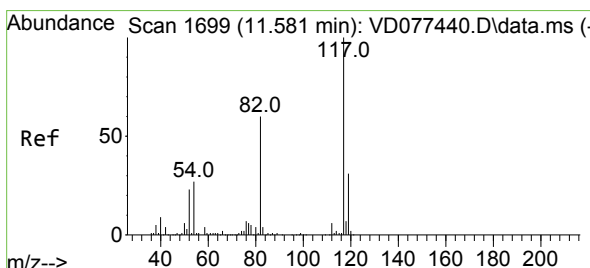
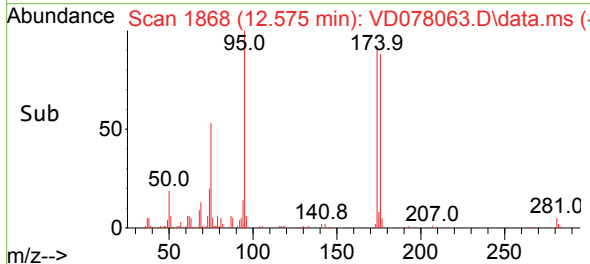
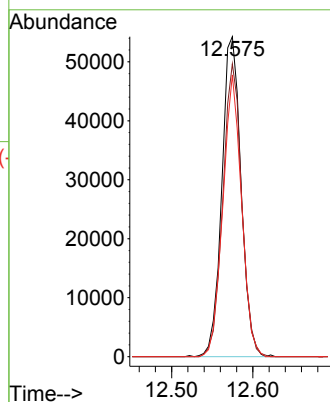
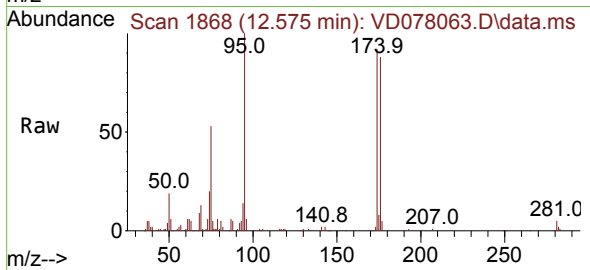




#62
4-Bromofluorobenzene
Concen: 35.437 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

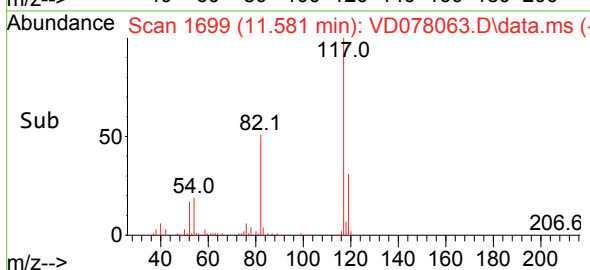
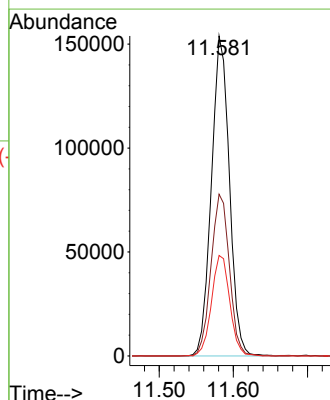
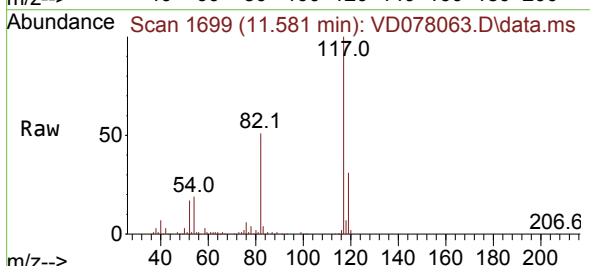
Instrument :
MSVOA_D
ClientSampleId :

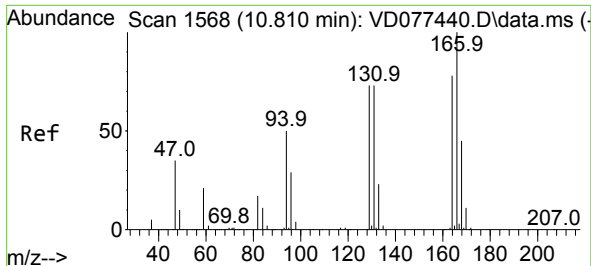
Tgt Ion: 95 Resp: 89191
Ion Ratio Lower Upper
95 100
174 90.1 0.0 201.8
176 85.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

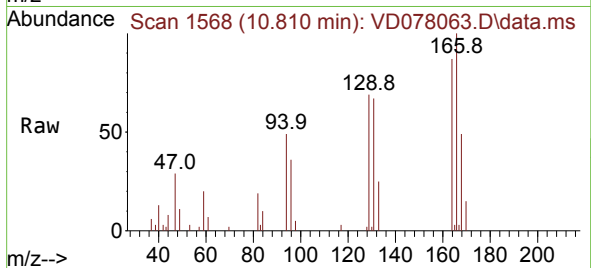
Tgt Ion: 117 Resp: 259756
Ion Ratio Lower Upper
117 100
82 50.5 38.3 57.5
119 31.4 25.0 37.4



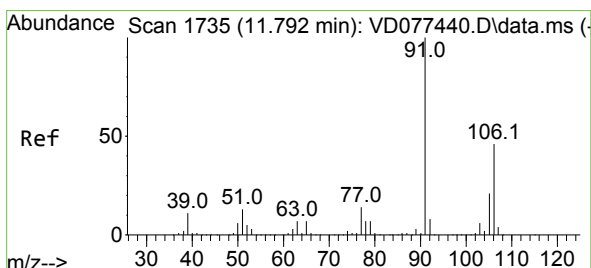
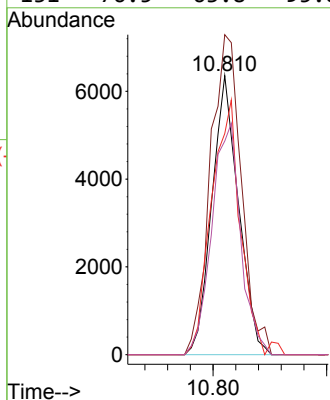
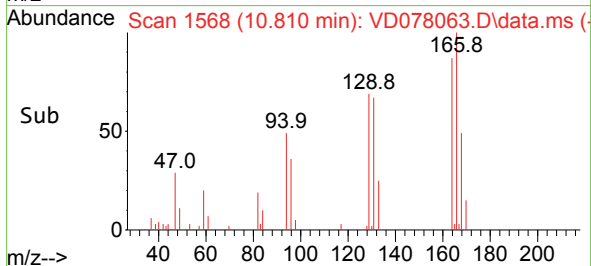


#64
Tetrachloroethene
Concen: 5.451 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

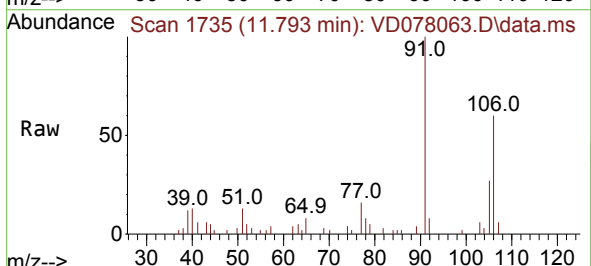
Instrument :
MSVOA_D
ClientSampleId :



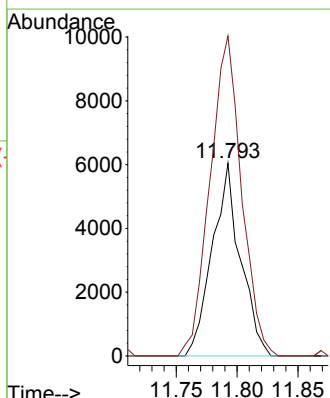
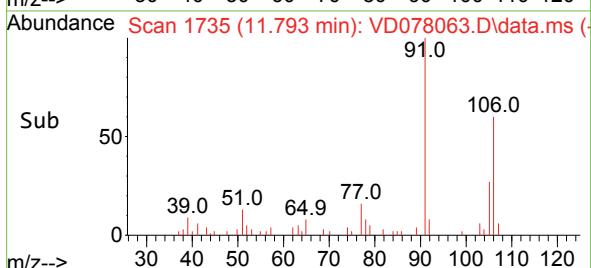
Tgt Ion:164 Resp: 10406
Ion Ratio Lower Upper
164 100
166 114.7 99.2 148.8
129 79.3 68.4 102.6
131 76.5 63.8 95.8

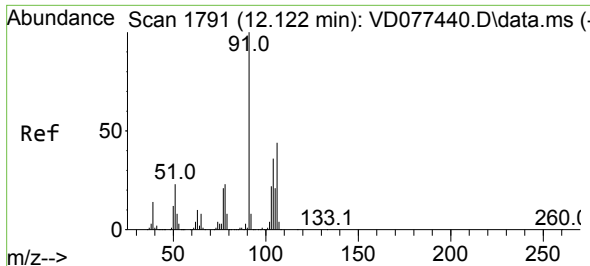


#68
m/p-Xylenes
Concen: 2.360 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.001 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52



Tgt Ion:106 Resp: 9763
Ion Ratio Lower Upper
106 100
91 185.1 147.0 220.6

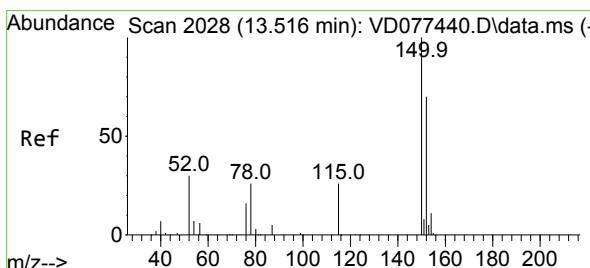
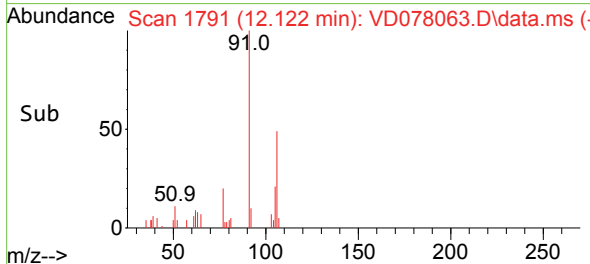
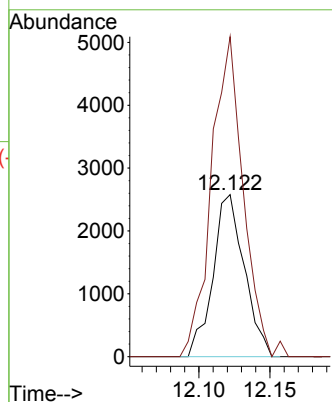
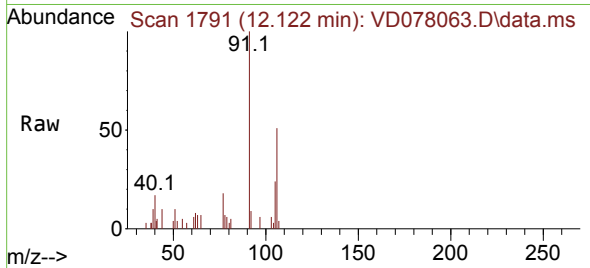




#69
o-Xylene
Concen: 1.037 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

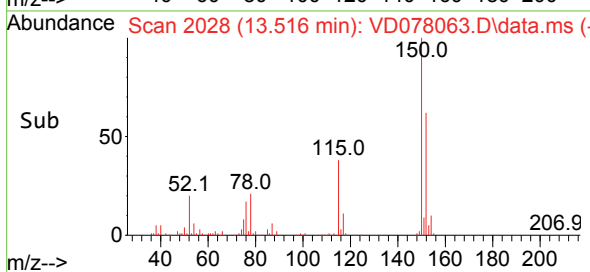
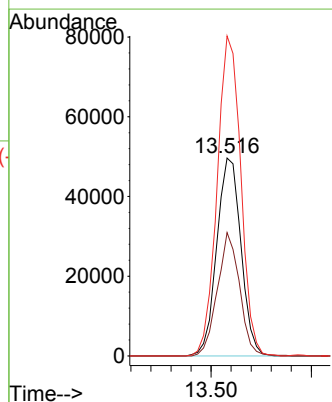
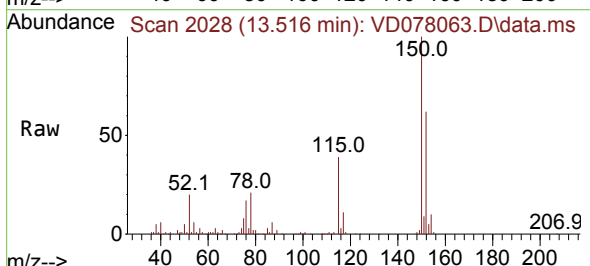
Instrument :
MSVOA_D
ClientSampleId :

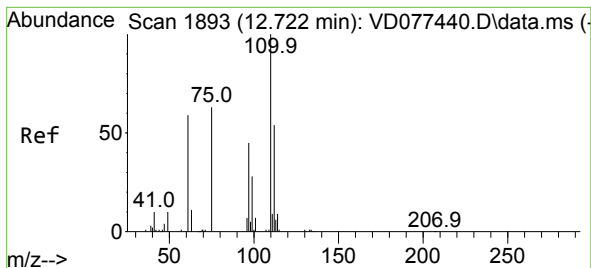
Tgt Ion:106 Resp: 3952
Ion Ratio Lower Upper
106 100
91 200.9 97.9 293.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

Tgt Ion:152 Resp: 83281
Ion Ratio Lower Upper
152 100
115 57.2 27.1 81.3
150 157.9 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 64.298 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078063.D

Acq: 22 Dec 2023 14:52

Instrument :

MSVOA_D

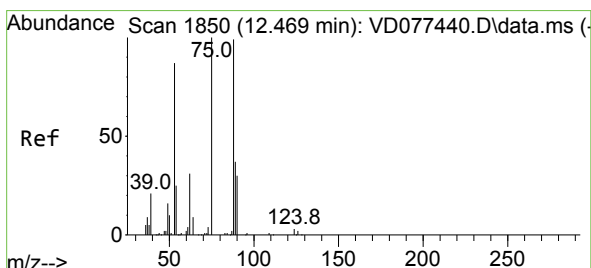
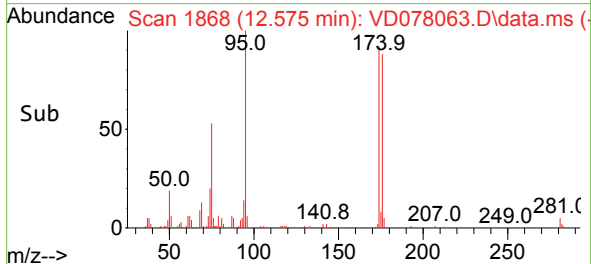
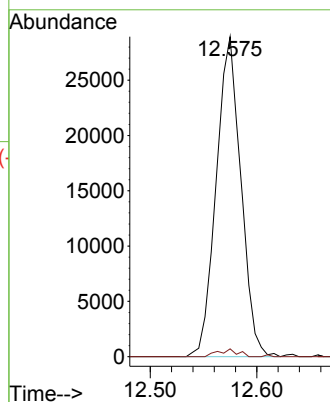
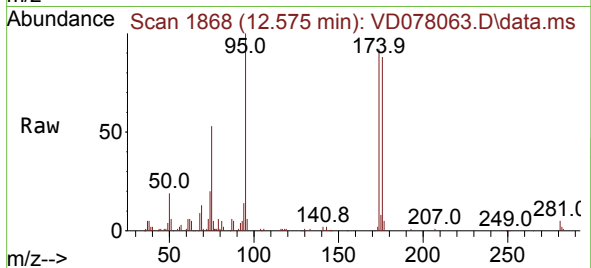
ClientSampleId :

Tgt Ion: 75 Resp: 46507

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.273 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD078063.D

Acq: 22 Dec 2023 14:52

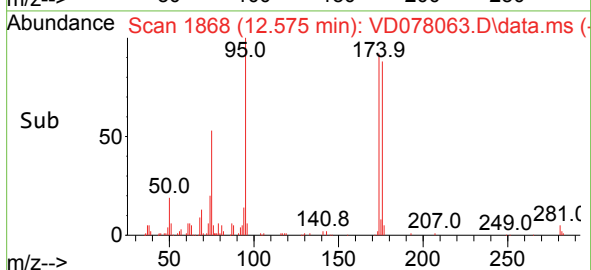
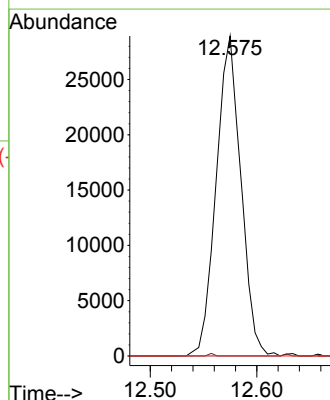
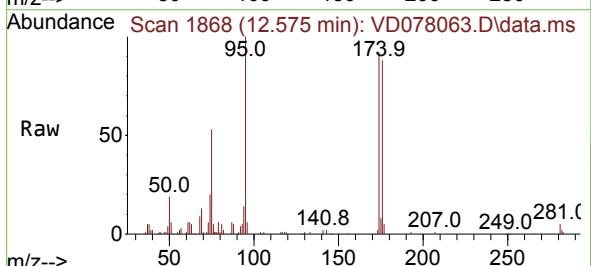
Tgt Ion: 75 Resp: 46507

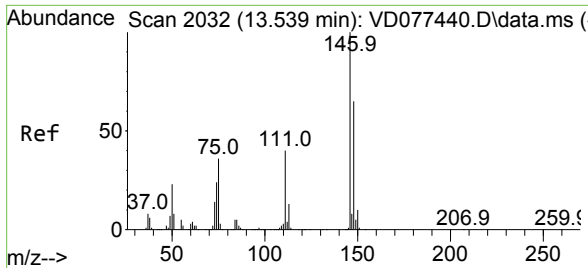
Ion Ratio Lower Upper

75 100

53 0.2 63.0 94.4#

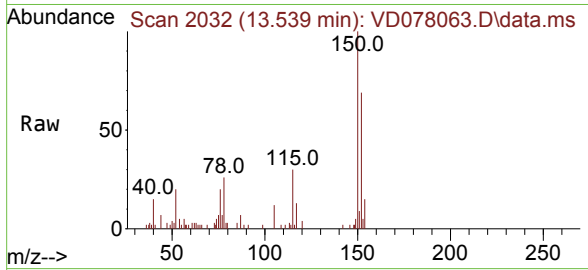
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.539 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD078063.D
 Acq: 22 Dec 2023 14:52

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	201
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.4	52.3#
148	0.0	31.7	95.1#

