

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110922\
 Data File : VD074848.D
 Acq On : 10 Nov 2022 02:14
 Operator : VA/SY
 Sample : N5506-04
 Misc : 5.55G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6

Quant Time: Nov 10 05:50:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

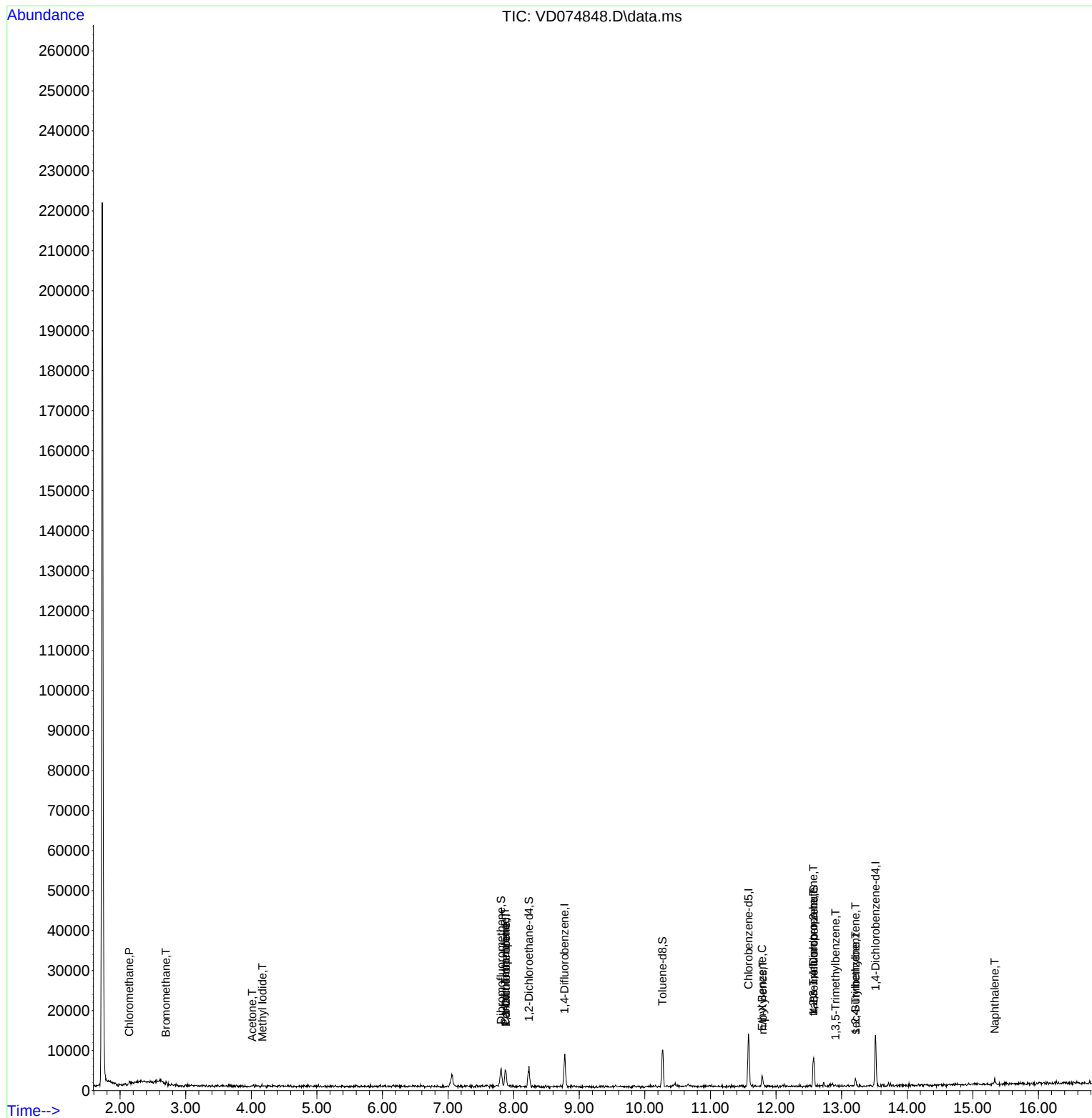
Internal Standards						
1) Pentafluorobenzene	7.881	168	4402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	8816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	9071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	4082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	3665	105.121	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 210.240%#	
35) Dibromofluoromethane	7.810	113	3590	68.840	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 137.680%	
50) Toluene-d8	10.269	98	7943	41.755	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 83.520%	
62) 4-Bromofluorobenzene	12.575	95	2864	52.144	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.280%	
Target Compounds						Qvalue
3) Chloromethane	2.140	50	288	4.992	ug/l #	37
5) Bromomethane	2.699	94	314	6.550	ug/l	84
10) Methyl Iodide	4.169	142	279	9.652	ug/l #	43
16) Acetone	4.016	43	132	18.143	ug/l #	37
20) Methylene Chloride	4.805	84	203	Below Cal	#	18
36) 1,1-Dichloropropene	7.881	75	120	1.516	ug/l #	39
38) Carbon Tetrachloride	7.869	117	291	3.880	ug/l #	14
67) Ethyl Benzene	11.787	91	2153	6.763	ug/l #	81
68) m/p-Xylenes	11.798	106	1017	8.047	ug/l	89
76) 1,2,3-Trichloropropane	12.569	75	1299	41.051	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.904	105	471	1.936	ug/l #	26
81) trans-1,4-Dichloro-2-b...	12.569	75	1299	97.444	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.210	105	1429	5.952	ug/l	96
85) sec-Butylbenzene	13.210	105	1429	4.417	ug/l #	56
95) Naphthalene	15.333	128	886	6.160	ug/l #	78

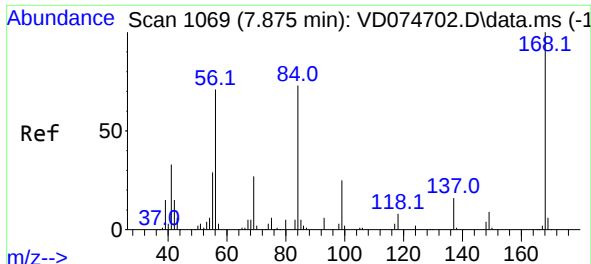
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

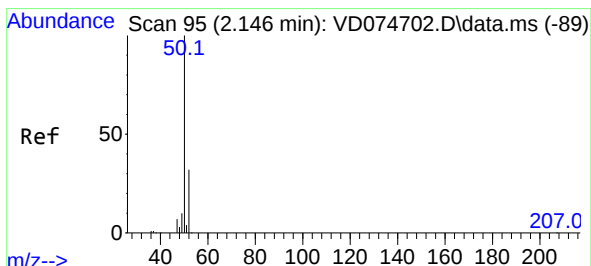
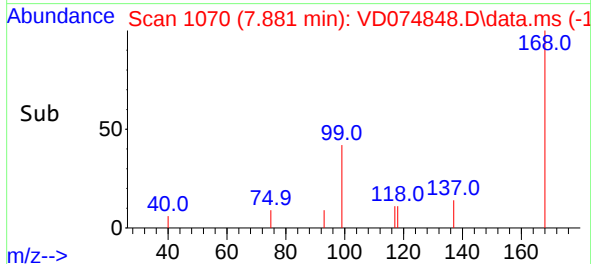
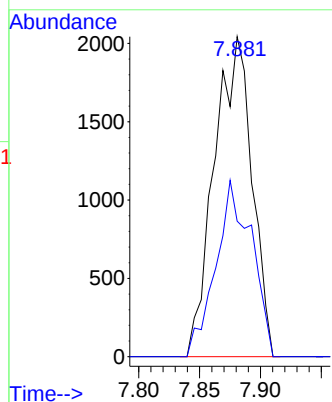
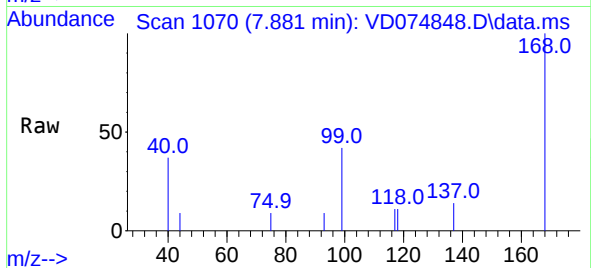




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

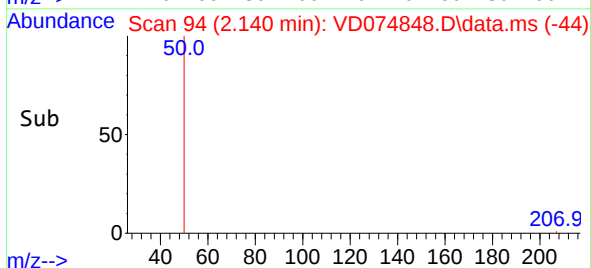
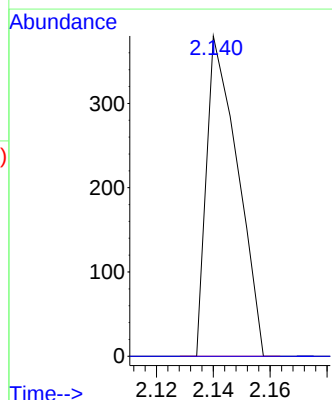
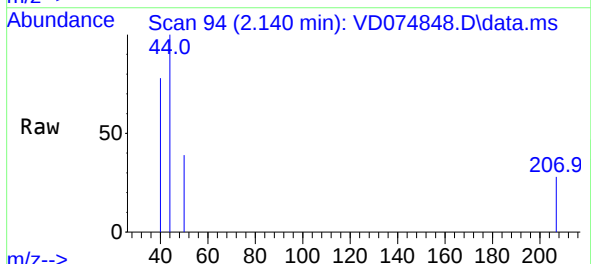
Instrument :
MSVOA_D
ClientSampleId :
TP-6

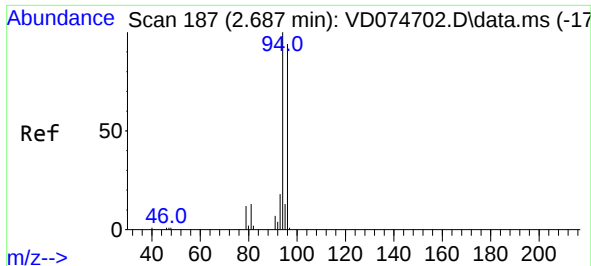
Tgt Ion:168 Resp: 4402
Ion Ratio Lower Upper
168 100
99 42.3 40.9 61.3



#3
Chloromethane
Concen: 4.992 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

Tgt Ion: 50 Resp: 288
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

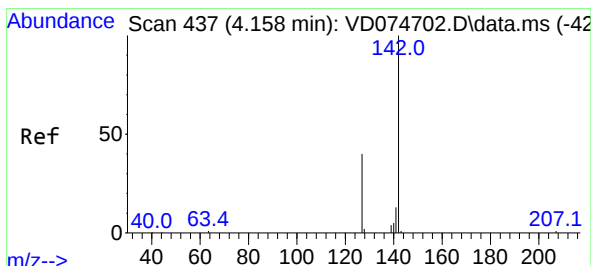
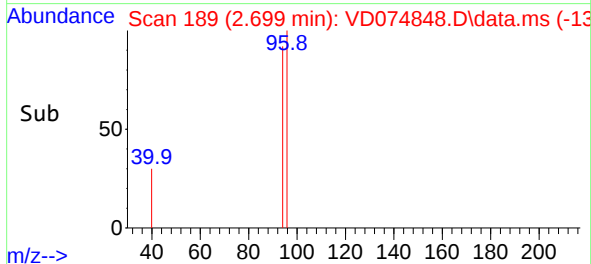
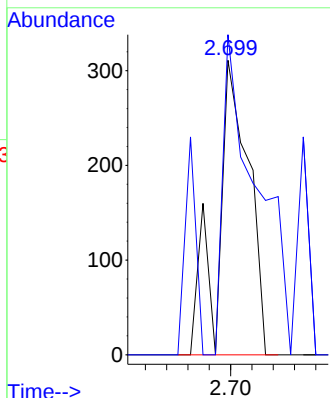
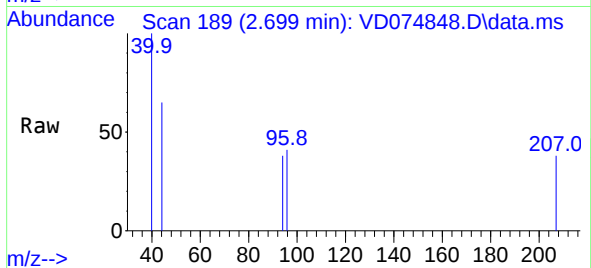




#5
Bromomethane
Concen: 6.550 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

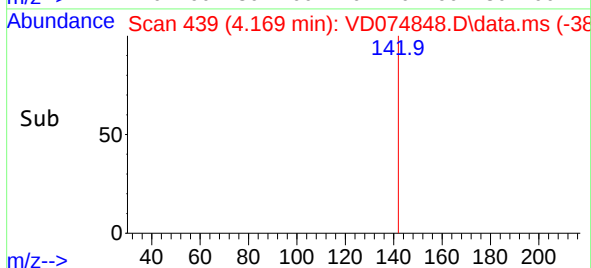
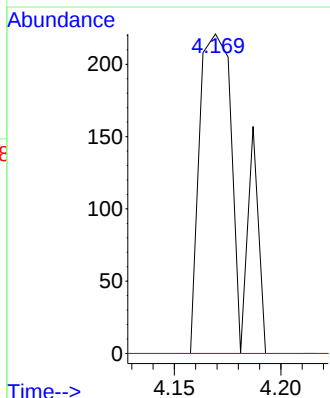
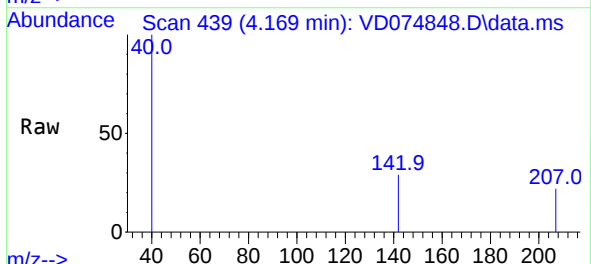
Instrument :
MSVOA_D
ClientSampleId :
TP-6

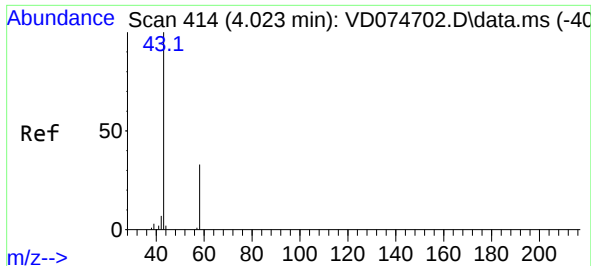
Tgt Ion: 94 Resp: 314
Ion Ratio Lower Upper
94 100
96 108.7 74.6 112.0



#10
Methyl Iodide
Concen: 9.652 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.011 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

Tgt Ion: 142 Resp: 279
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

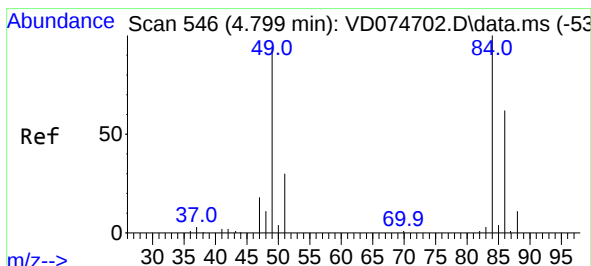
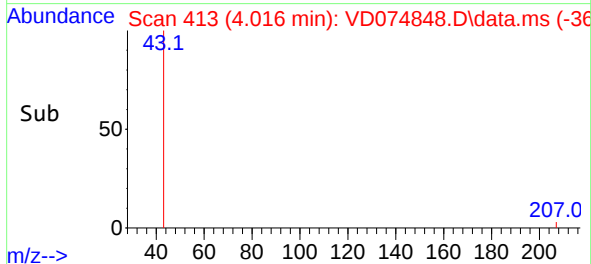
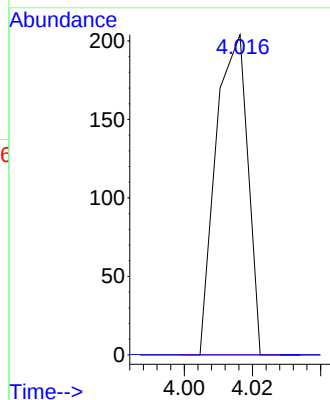
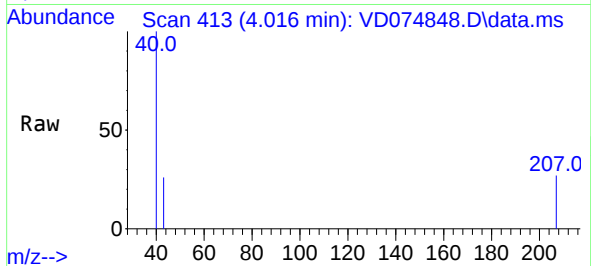




#16
Acetone
Concen: 18.143 ug/l
RT: 4.016 min Scan# 41
Delta R.T. -0.007 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

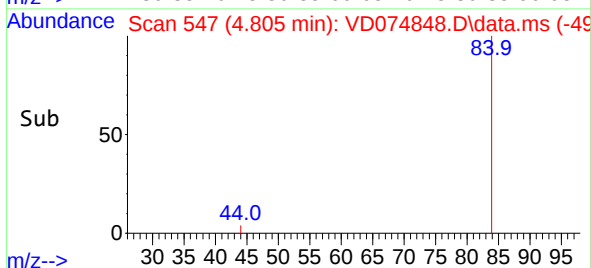
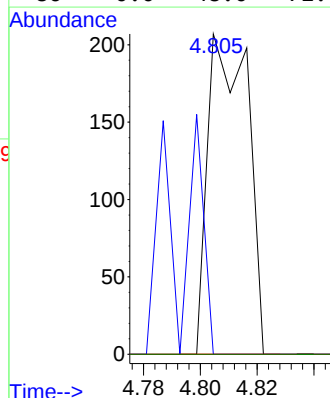
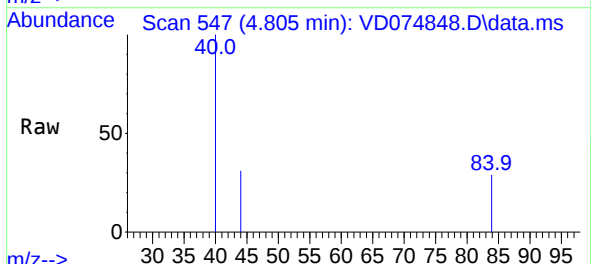
Instrument :
MSVOA_D
ClientSampleId :
TP-6

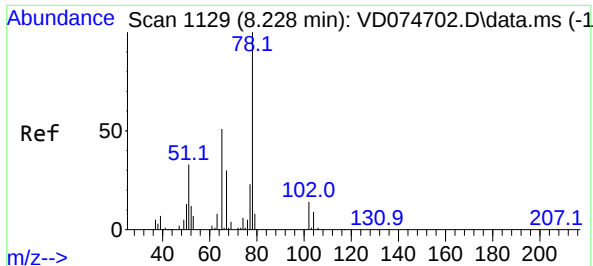
Tgt Ion: 43 Resp: 132
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

Tgt Ion: 84 Resp: 203
Ion Ratio Lower Upper
84 100
49 0.0 68.0 102.0#
51 0.0 23.2 34.8#
86 0.0 48.0 72.0#





#33

1,2-Dichloroethane-d4

Concen: 105.121 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074848.D

Acq: 10 Nov 2022 02:14

Instrument :

MSVOA_D

ClientSampleId :

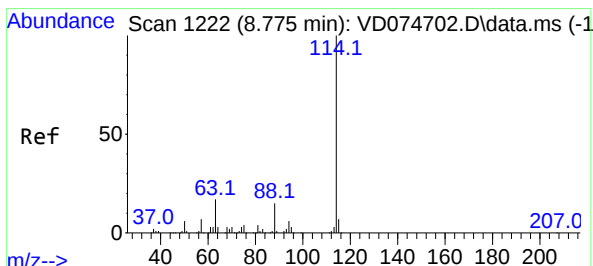
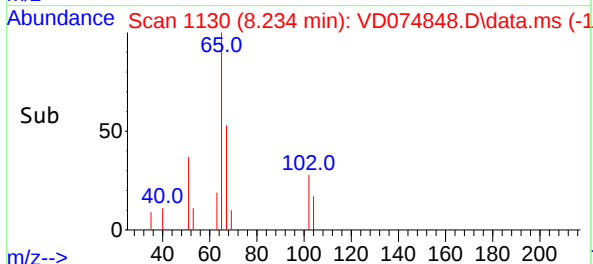
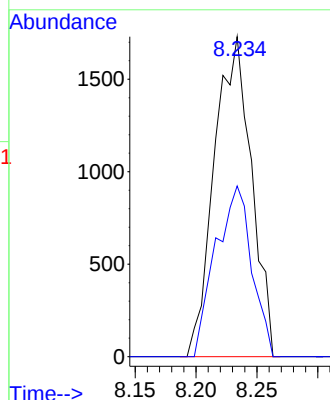
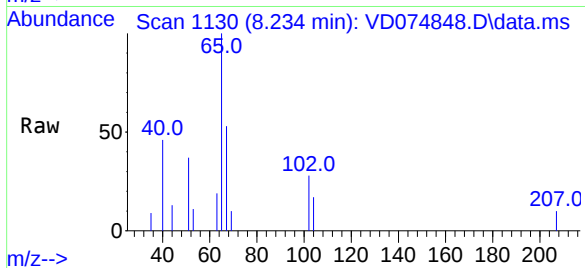
TP-6

Tgt Ion: 65 Resp: 3665

Ion Ratio Lower Upper

65 100

67 52.0 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD074848.D

Acq: 10 Nov 2022 02:14

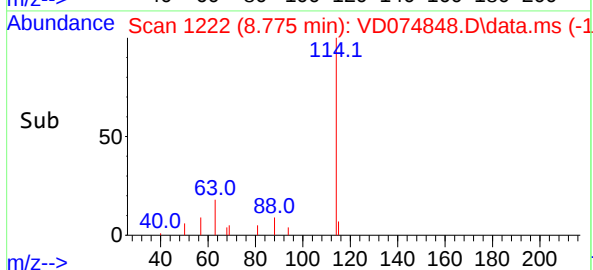
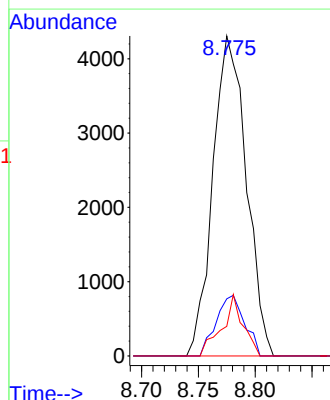
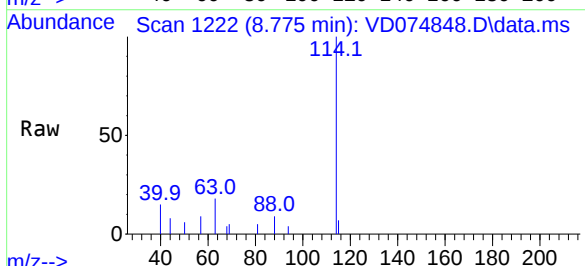
Tgt Ion: 114 Resp: 8816

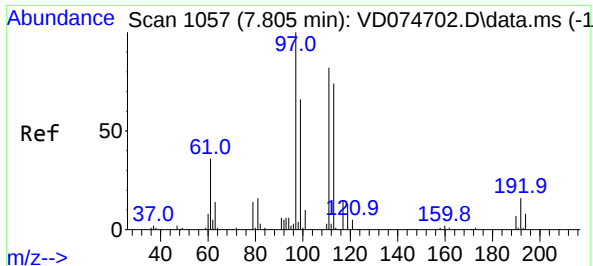
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.2

88 9.3 0.0 28.2

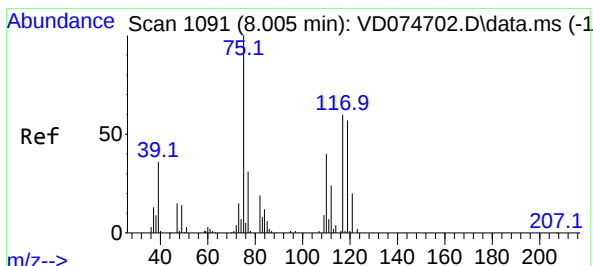
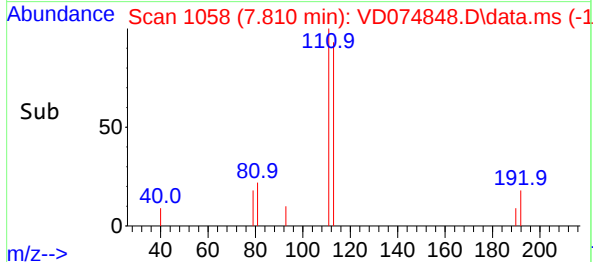
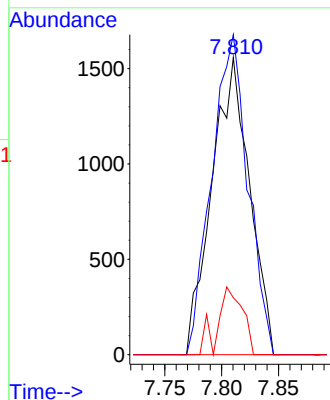
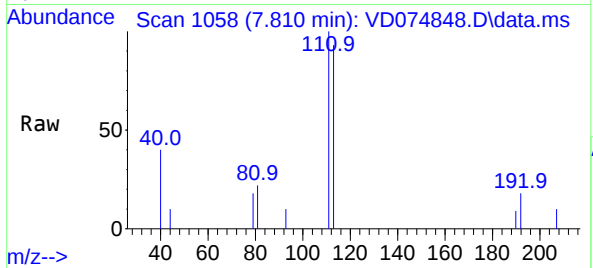




#35
Dibromofluoromethane
Concen: 68.840 ug/l
RT: 7.810 min Scan# 1057
Delta R.T. 0.005 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

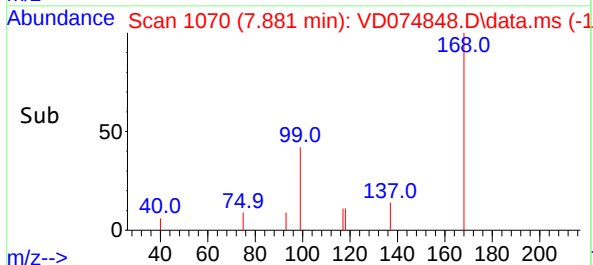
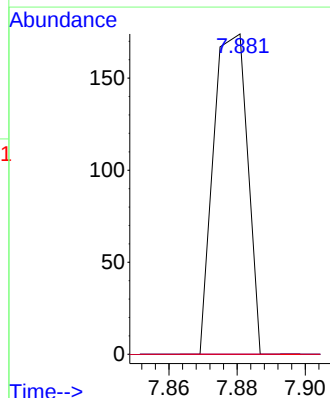
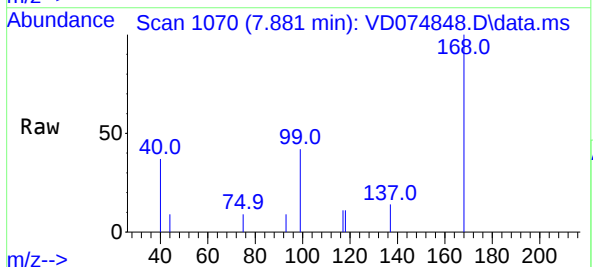
Instrument :
MSVOA_D
ClientSampleId :
TP-6

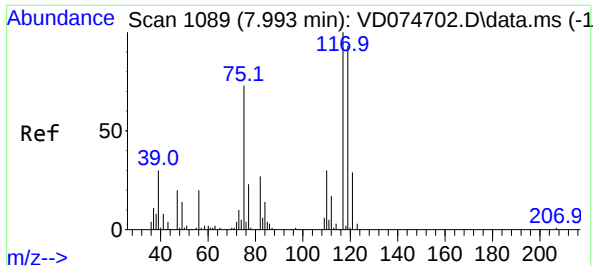
Tgt Ion:113 Resp: 3590
Ion Ratio Lower Upper
113 100
111 103.5 82.3 123.5
192 15.1 16.4 24.6#



#36
1,1-Dichloropropene
Concen: 1.516 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

Tgt Ion: 75 Resp: 120
Ion Ratio Lower Upper
75 100
110 0.0 19.7 59.0#
77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 3.880 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD074848.D

Acq: 10 Nov 2022 02:14

Instrument :

MSVOA_D

ClientSampleId :

TP-6

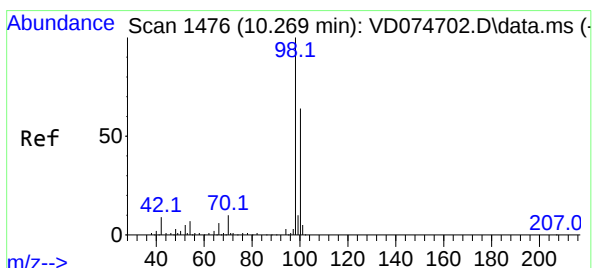
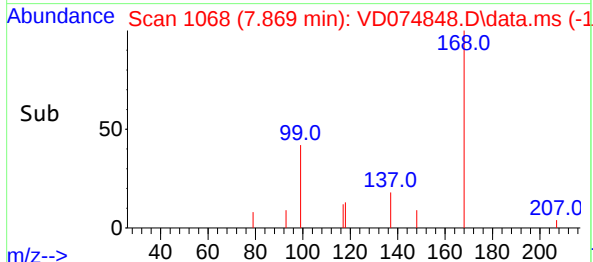
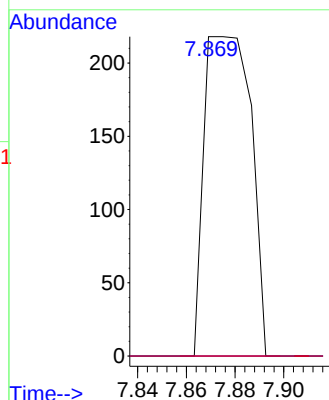
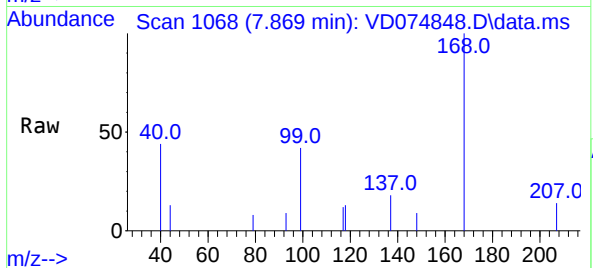
Tgt Ion:117 Resp: 291

Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#



#50

Toluene-d8

Concen: 41.755 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD074848.D

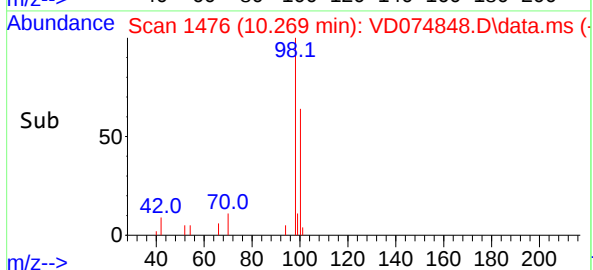
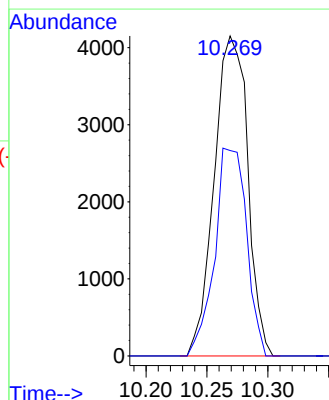
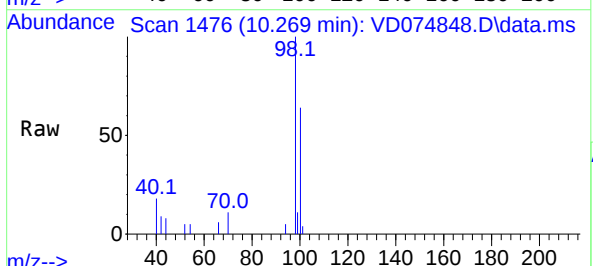
Acq: 10 Nov 2022 02:14

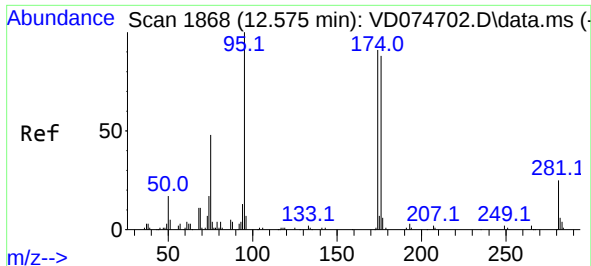
Tgt Ion: 98 Resp: 7943

Ion Ratio Lower Upper

98 100

100 61.9 51.4 77.0

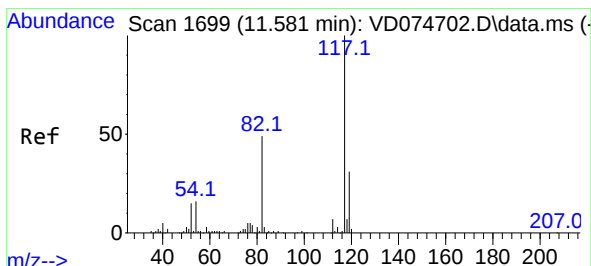
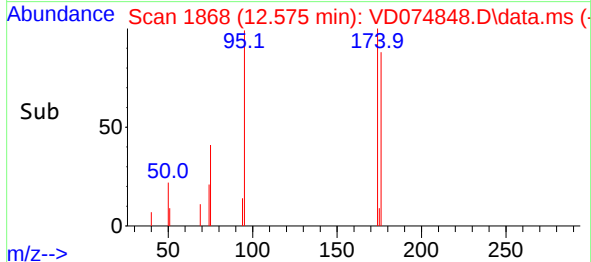
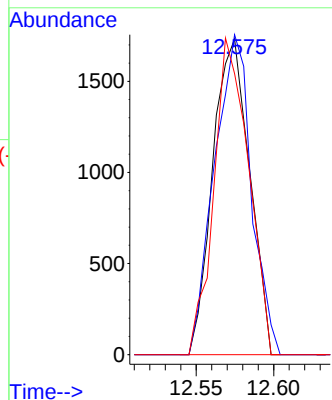
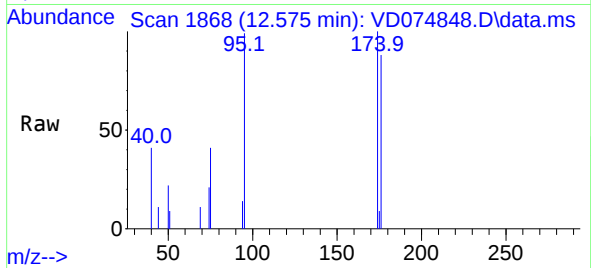




#62
4-Bromofluorobenzene
Concen: 52.144 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

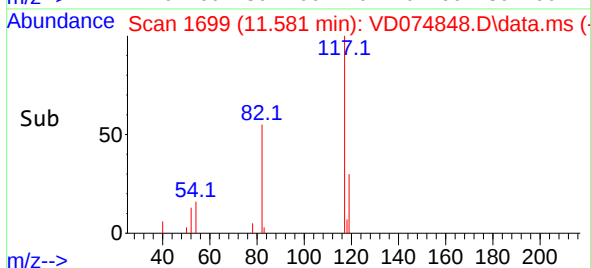
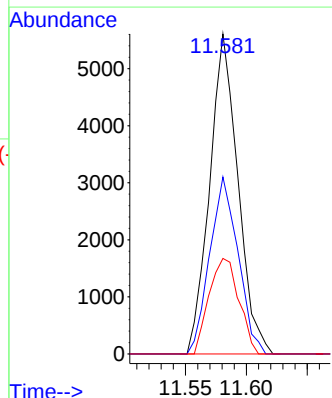
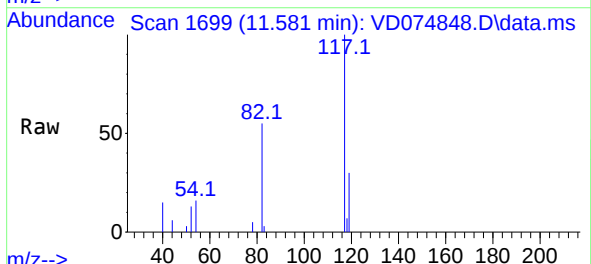
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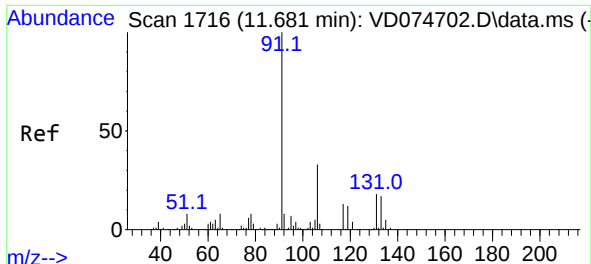
Tgt Ion:	95	Resp:	2864
Ion	Ratio	Lower	Upper
95	100		
174	101.6	0.0	197.0
176	94.2	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

Tgt Ion:	117	Resp:	9071
Ion	Ratio	Lower	Upper
117	100		
82	55.3	41.6	62.4
119	29.9	25.2	37.8

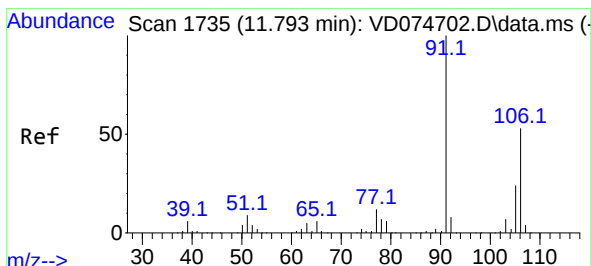
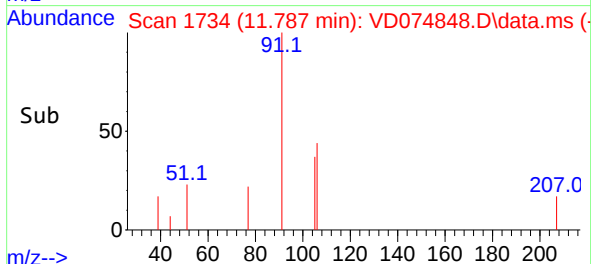
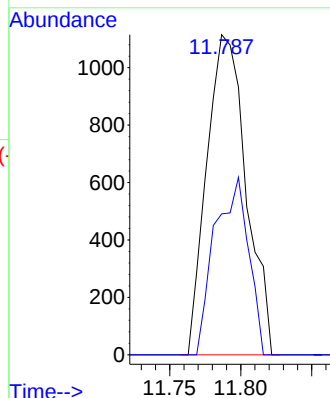
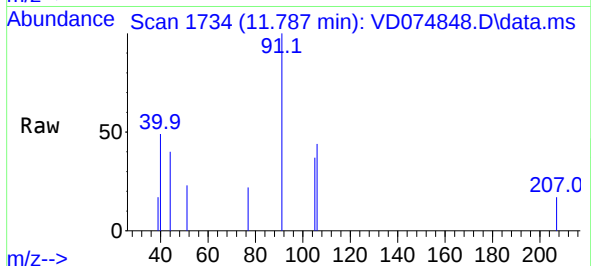




#67
Ethyl Benzene
Concen: 6.763 ug/l
RT: 11.787 min Scan# 1716
Delta R.T. 0.106 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

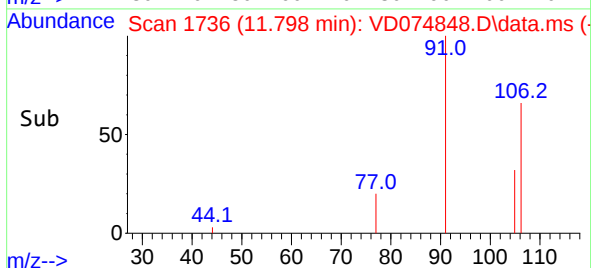
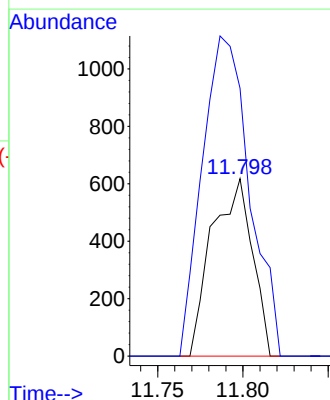
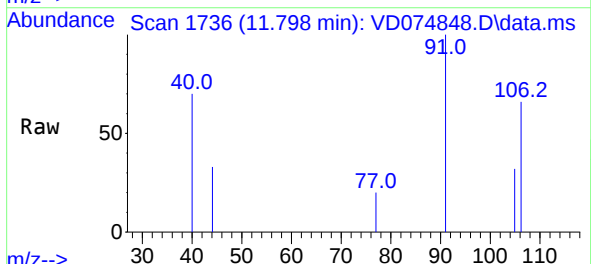
Instrument :
MSVOA_D
ClientSampleId :
TP-6

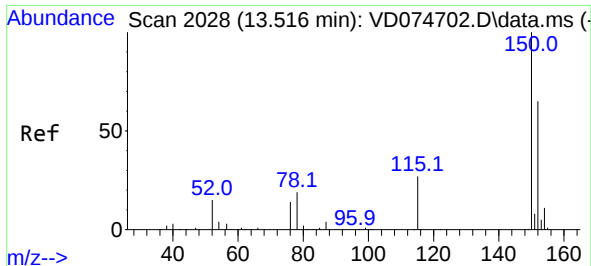
Tgt Ion: 91 Resp: 2153
Ion Ratio Lower Upper
91 100
106 44.0 26.6 40.0#



#68
m/p-Xylenes
Concen: 8.047 ug/l
RT: 11.798 min Scan# 1736
Delta R.T. 0.005 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

Tgt Ion: 106 Resp: 1017
Ion Ratio Lower Upper
106 100
91 211.7 156.2 234.4

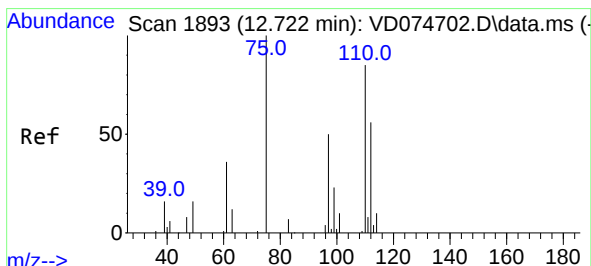
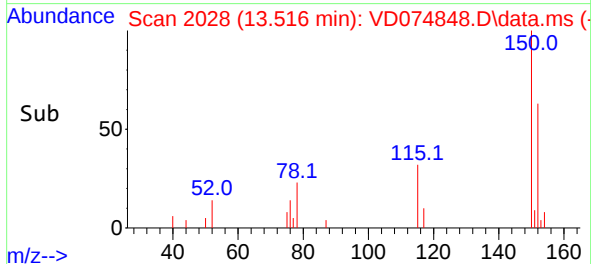
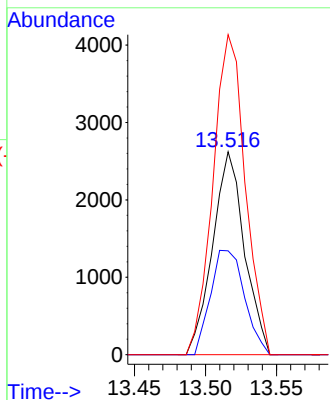
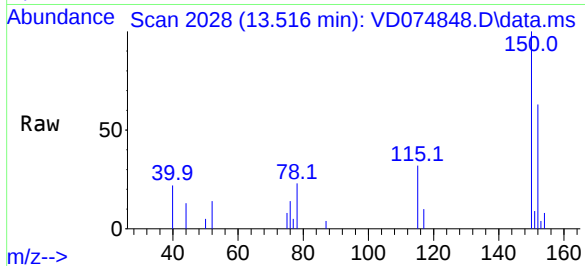




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

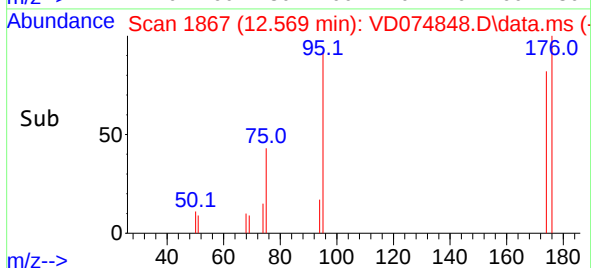
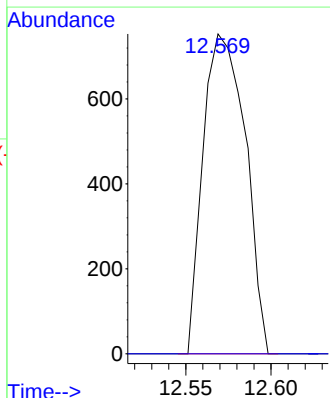
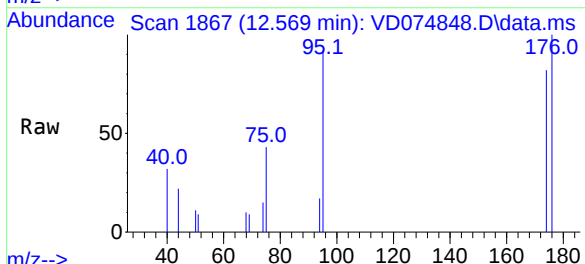
Instrument :
MSVOA_D
ClientSampleId :
TP-6

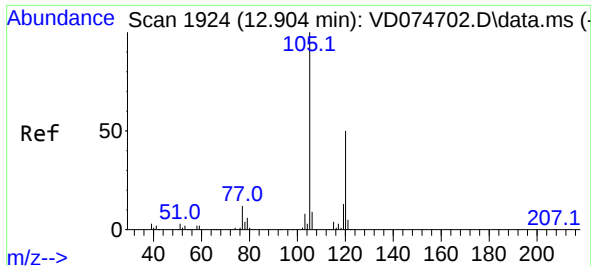
Tgt Ion:152 Resp: 4082
Ion Ratio Lower Upper
152 100
115 54.9 26.8 80.4
150 160.2 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 41.051 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

Tgt Ion: 75 Resp: 1299
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#

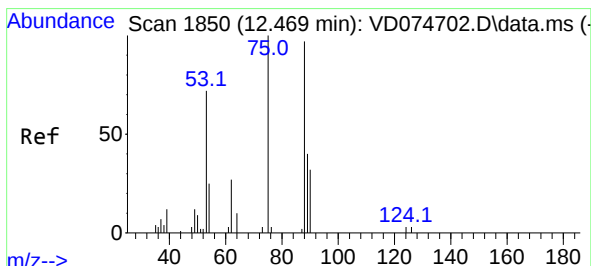
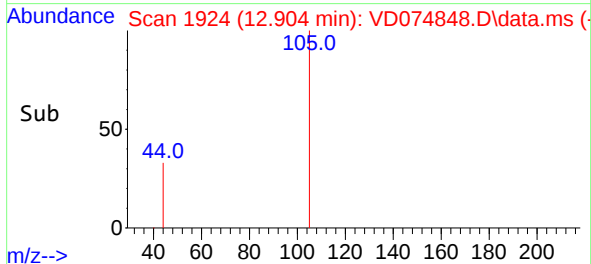
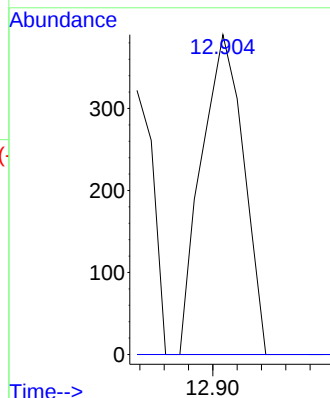
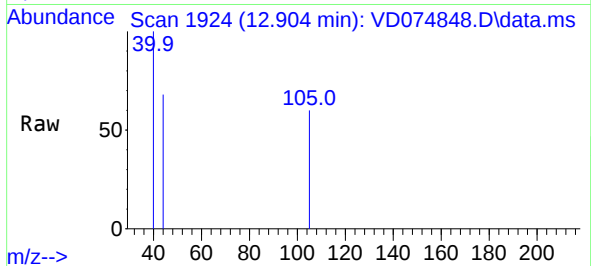




#80
1,3,5-Trimethylbenzene
Concen: 1.936 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

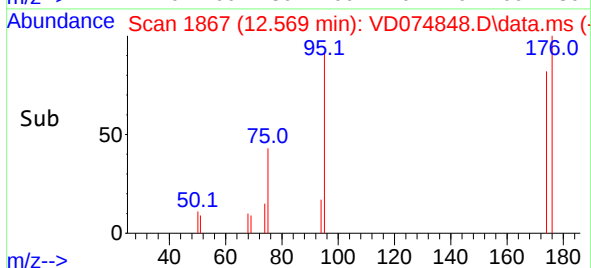
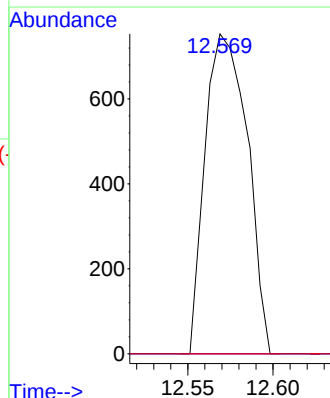
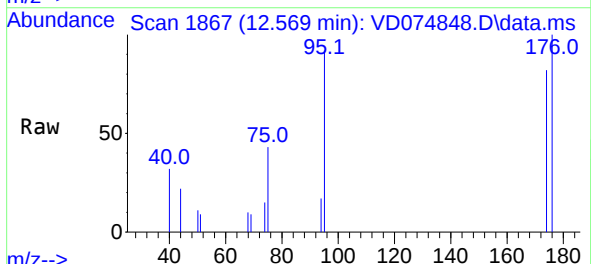
Instrument :
MSVOA_D
ClientSampleId :
TP-6

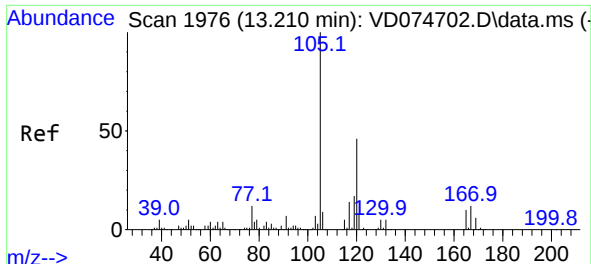
Tgt Ion:105 Resp: 471
Ion Ratio Lower Upper
105 100
120 0.0 25.7 77.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.444 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

Tgt Ion: 75 Resp: 1299
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

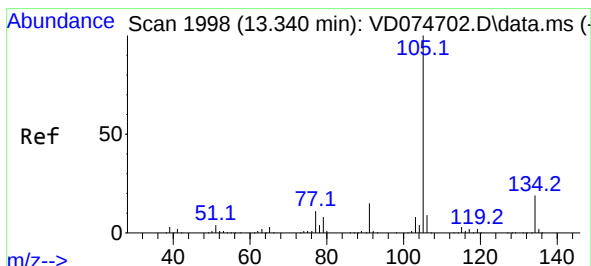
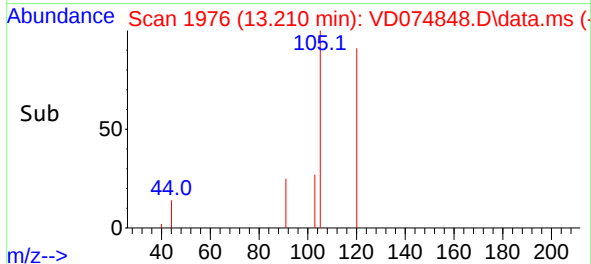
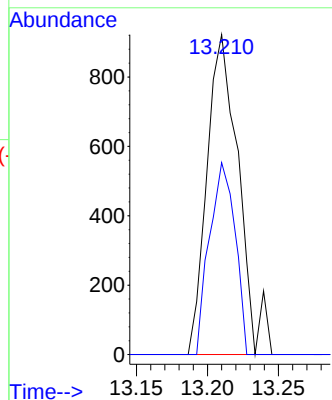
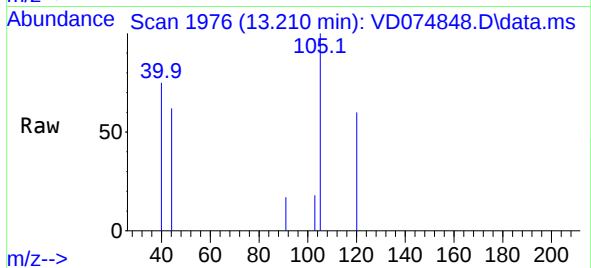




#84
1,2,4-Trimethylbenzene
Concen: 5.952 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

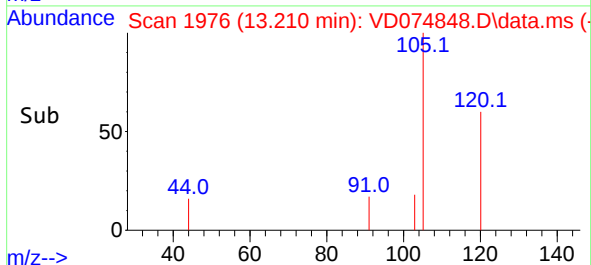
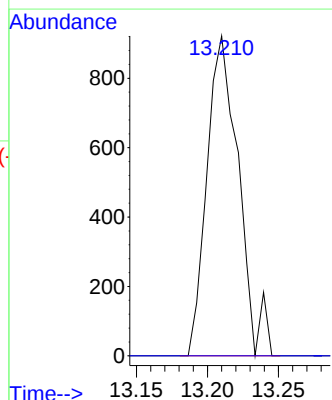
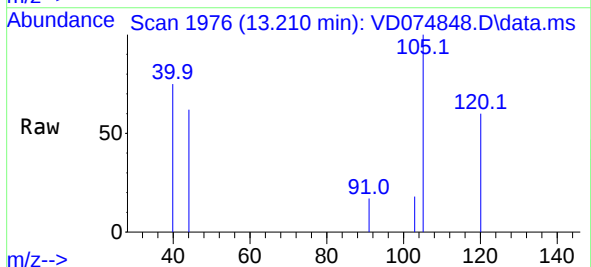
Instrument :
MSVOA_D
ClientSampleId :
TP-6

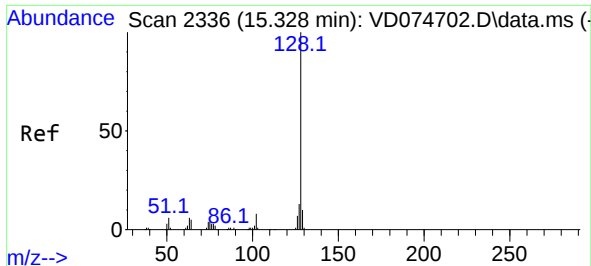
Tgt Ion:105 Resp: 1429
Ion Ratio Lower Upper
105 100
120 48.6 22.9 68.7



#85
sec-Butylbenzene
Concen: 4.417 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.130 min
Lab File: VD074848.D
Acq: 10 Nov 2022 02:14

Tgt Ion:105 Resp: 1429
Ion Ratio Lower Upper
105 100
134 0.0 10.0 30.0#





#95

Naphthalene

Concen: 6.160 ug/l

RT: 15.333 min Scan# 21

Delta R.T. 0.005 min

Lab File: VD074848.D

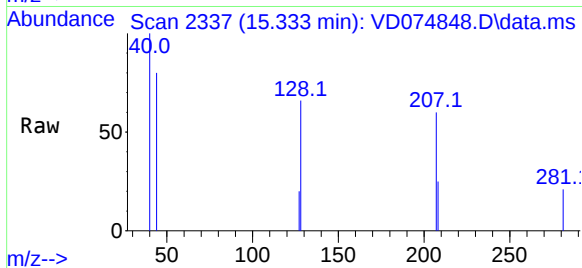
Acq: 10 Nov 2022 02:14

Instrument :

MSVOA_D

ClientSampleId :

TP-6



Tgt Ion:128 Resp: 886

Ion Ratio Lower Upper

128 100

127 6.7 10.6 16.0#

129 0.0 8.3 12.5#

