

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110121\
 Data File : VY006557.D
 Acq On : 01 Nov 2021 17:18
 Operator : SY/MD
 Sample : M4424-01
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 02 03:30:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

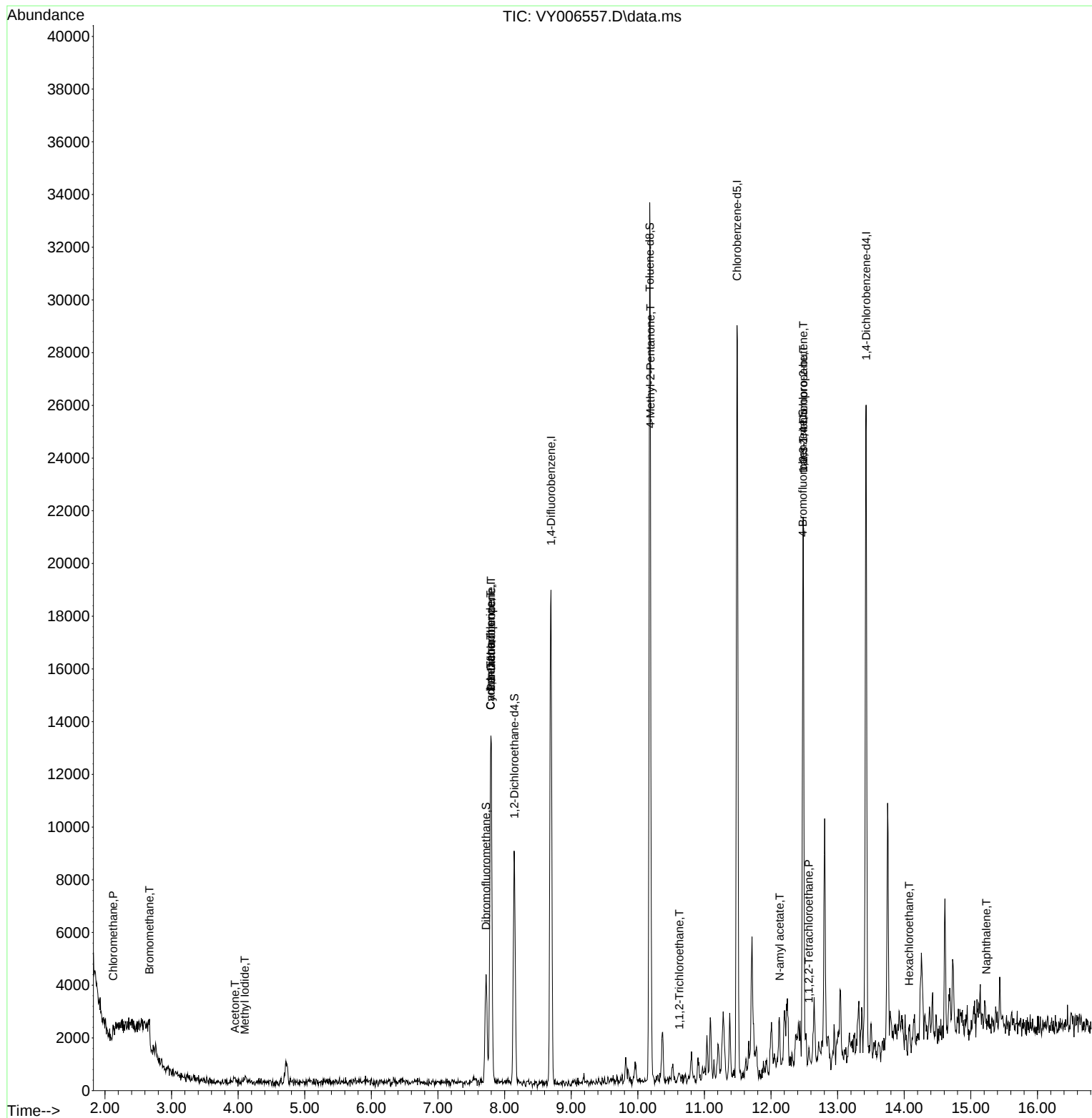
Internal Standards						
1) Pentafluorobenzene	7.795	168	10821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	16181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	14457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	6679	50.158	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.320%	
35) Dibromofluoromethane	7.722	113	2761	30.614	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 61.220%	
50) Toluene-d8	10.179	98	19927	52.121	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.240%	
62) 4-Bromofluorobenzene	12.477	95	6033	46.844	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.680%	
Target Compounds						Qvalue
3) Chloromethane	2.125	50	139	1.030	ug/l #	43
5) Bromomethane	2.668	94	154	1.533	ug/l	83
10) Methyl Iodide	4.101	142	397	8.408	ug/l #	78
16) Acetone	3.954	43	421	10.980	ug/l #	46
31) Cyclohexane	7.789	56	248	1.150	ug/l #	68
36) 1,1-Dichloropropene	7.795	75	796	4.979	ug/l #	42
38) Carbon Tetrachloride	7.789	117	1048	5.942	ug/l #	12
51) 4-Methyl-2-Pentanone	10.191	43	142	1.380	ug/l #	40
55) 1,1,2-Trichloroethane	10.624	97	109	1.272	ug/l #	16
74) N-amyl acetate	12.130	43	463	3.466	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.569	83	70	1.004	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	3267	55.070	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3267	113.057	ug/l #	7
90) Hexachloroethane	14.074	117	103	1.536	ug/l #	6
95) Naphthalene	15.233	128	284	1.316	ug/l #	68

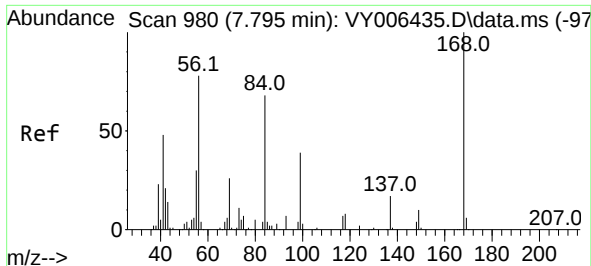
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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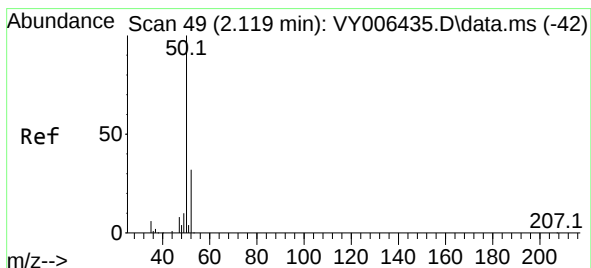
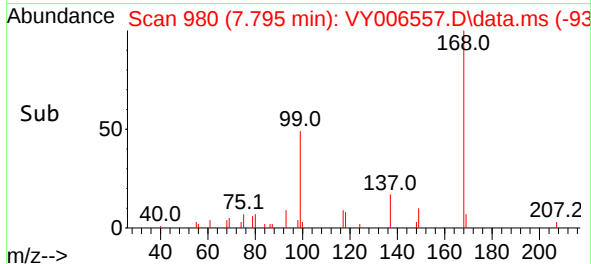
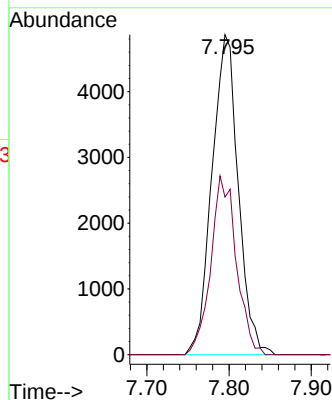
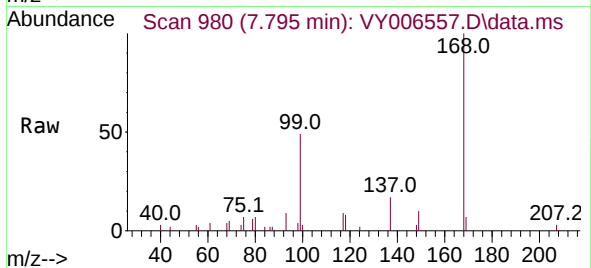




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

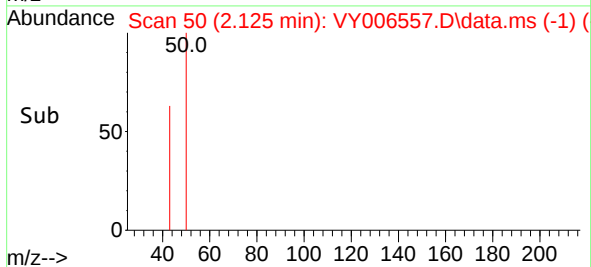
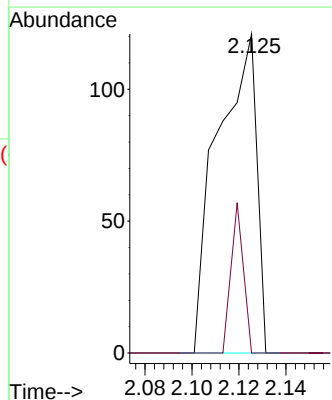
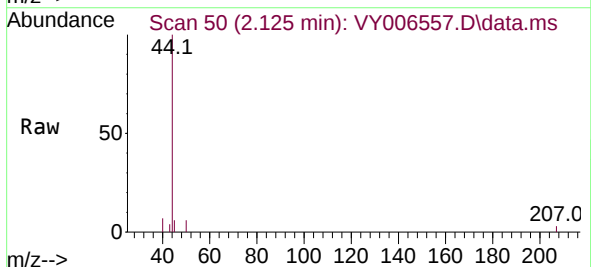
Instrument :
MSVOA_Y
ClientSampleId :

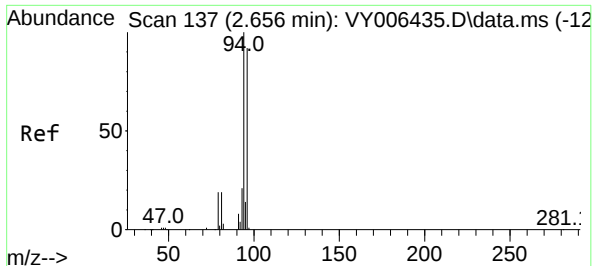
Tgt Ion:168 Resp: 10821
Ion Ratio Lower Upper
168 100
99 49.2 44.8 67.2



#3
Chloromethane
Concen: 1.030 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

Tgt Ion: 50 Resp: 139
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

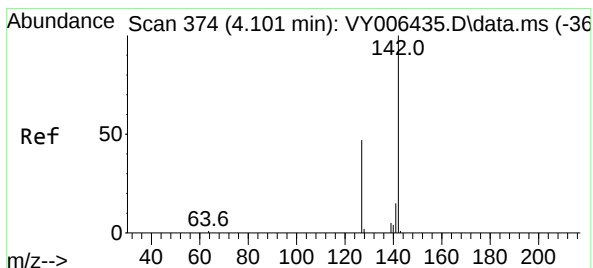
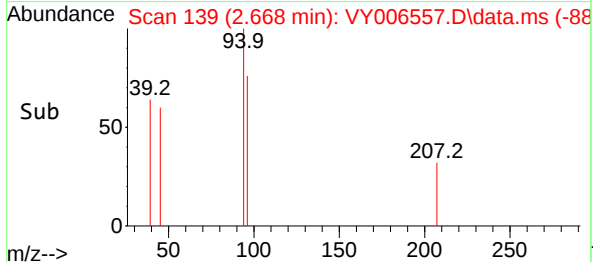
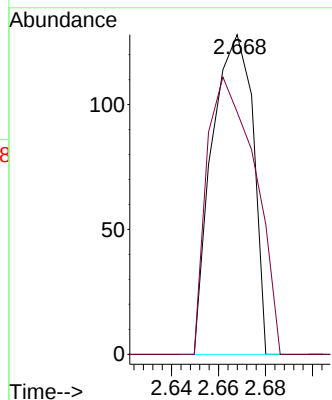
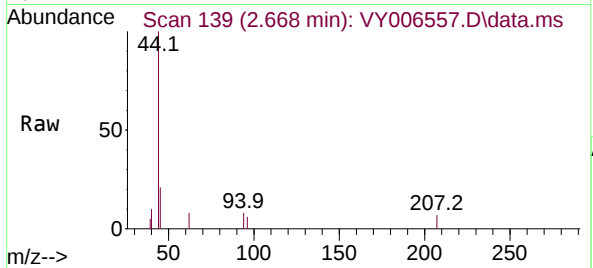




#5
Bromomethane
Concen: 1.533 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

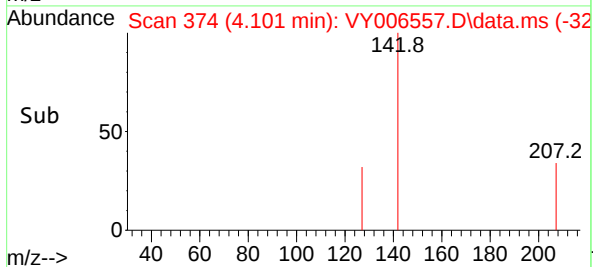
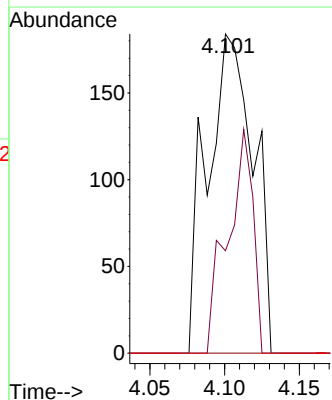
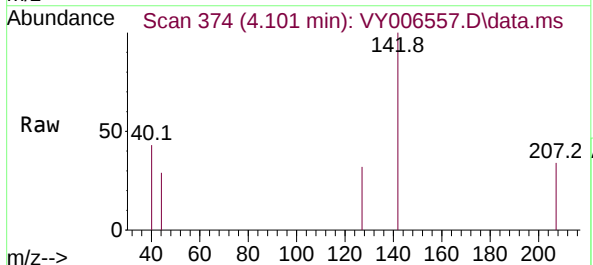
Instrument :
MSVOA_Y
ClientSampleId :

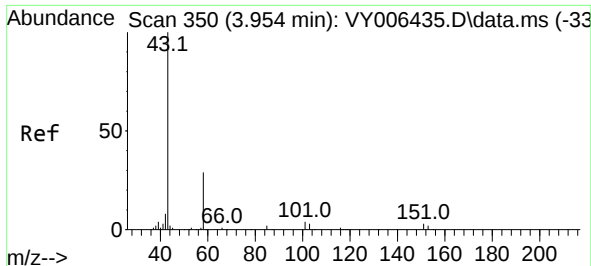
Tgt Ion: 94 Resp: 154
Ion Ratio Lower Upper
94 100
96 75.8 73.5 110.3



#10
Methyl Iodide
Concen: 8.408 ug/l
RT: 4.101 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

Tgt Ion: 142 Resp: 397
Ion Ratio Lower Upper
142 100
127 38.5 40.1 60.1#
141 0.0 12.5 18.7#





#16

Acetone

Concen: 10.980 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

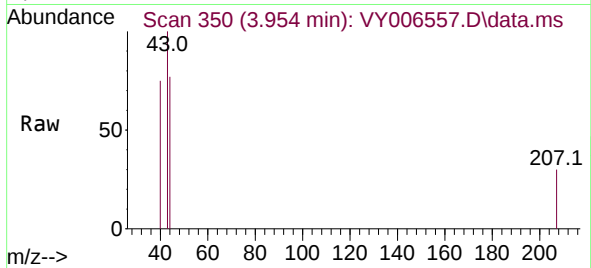
Lab File: VY006557.D

Acq: 01 Nov 2021 17:18

Instrument :

MSVOA_Y

ClientSampleId :

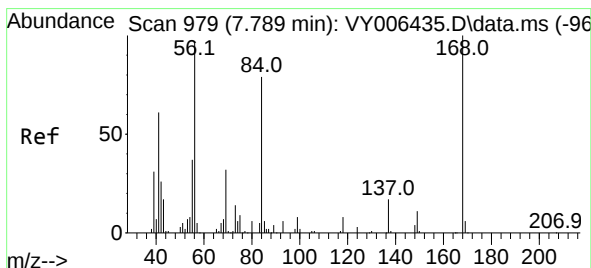
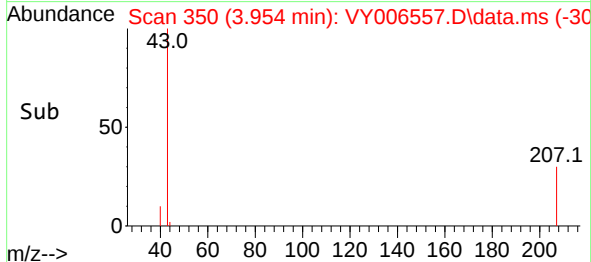
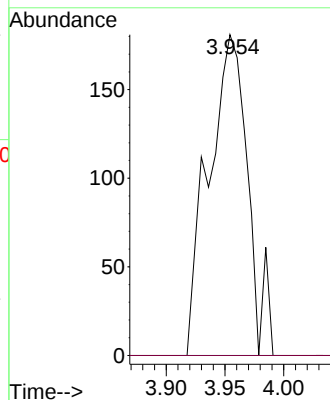


Tgt Ion: 43 Resp: 421

Ion Ratio Lower Upper

43 100

58 0.0 22.9 34.3#



#31

Cyclohexane

Concen: 1.150 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY006557.D

Acq: 01 Nov 2021 17:18

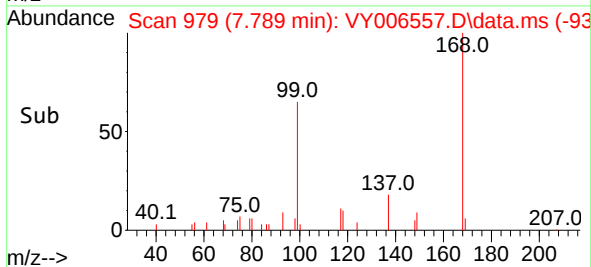
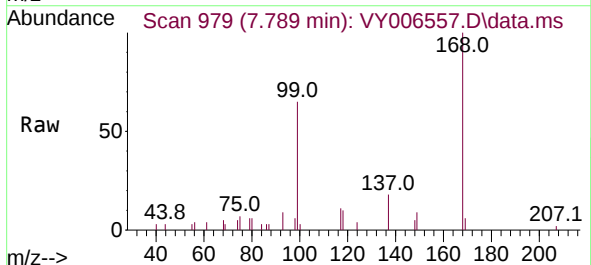
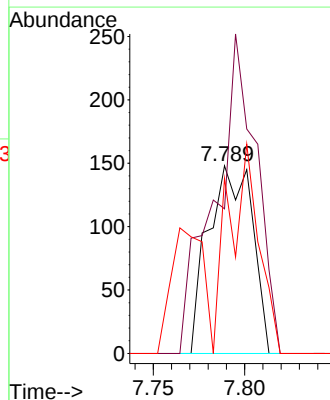
Tgt Ion: 56 Resp: 248

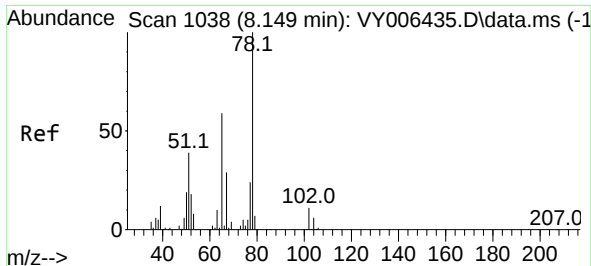
Ion Ratio Lower Upper

56 100

69 77.0 26.6 40.0#

84 93.2 65.0 97.4





#33

1,2-Dichloroethane-d4

Concen: 50.158 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY006557.D

Acq: 01 Nov 2021 17:18

Instrument :

MSVOA_Y

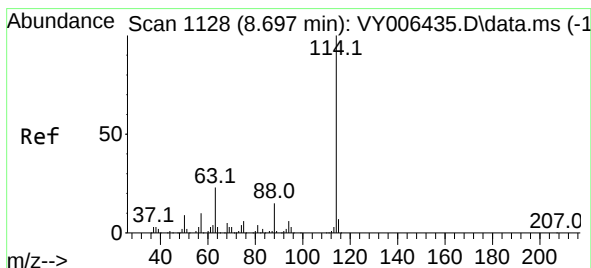
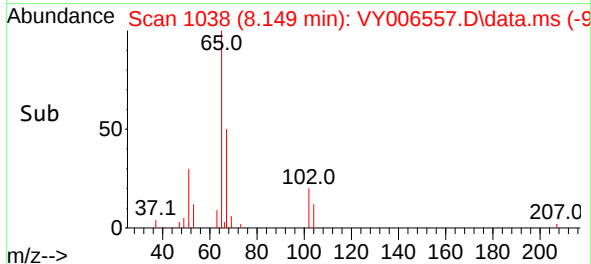
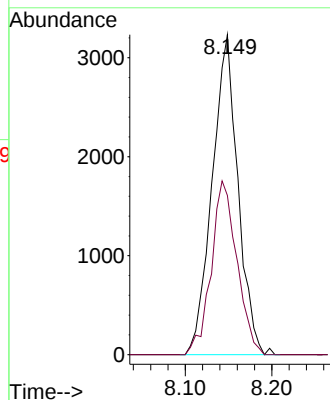
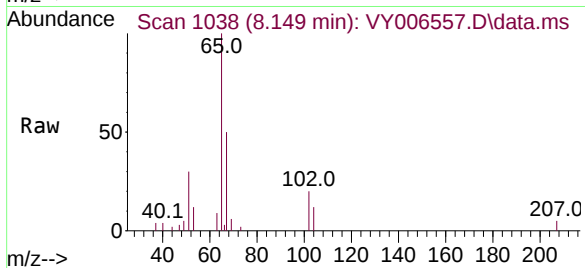
ClientSampleId :

Tgt Ion: 65 Resp: 6679

Ion Ratio Lower Upper

65 100

67 54.1 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY006557.D

Acq: 01 Nov 2021 17:18

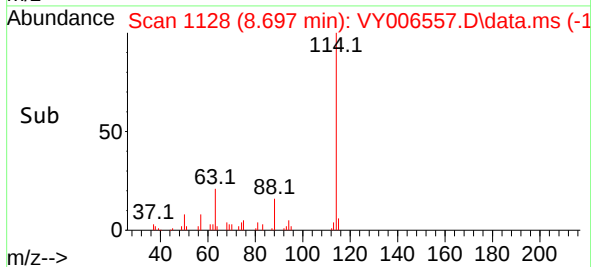
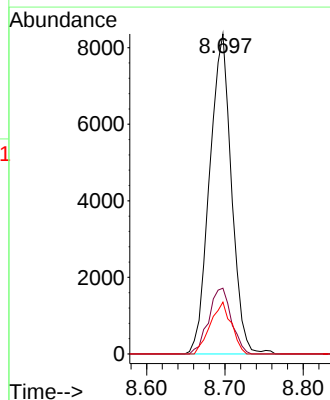
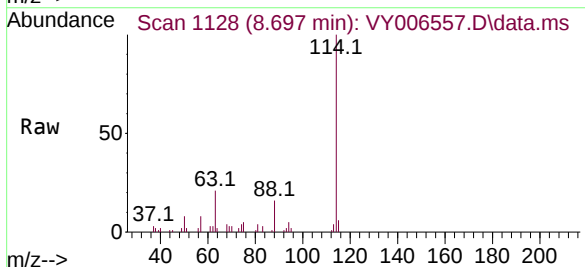
Tgt Ion: 114 Resp: 16181

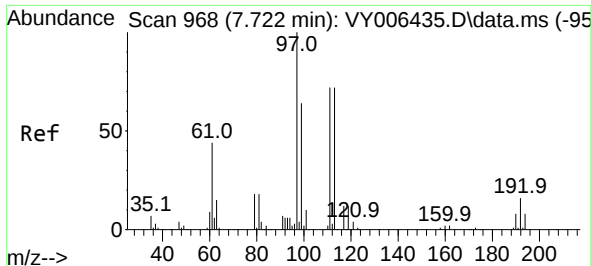
Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.0

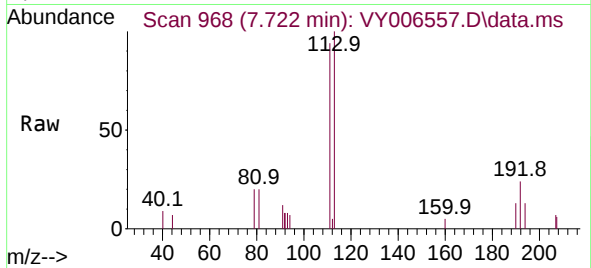
88 16.2 0.0 30.6



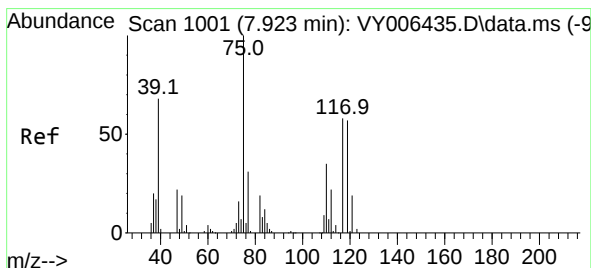
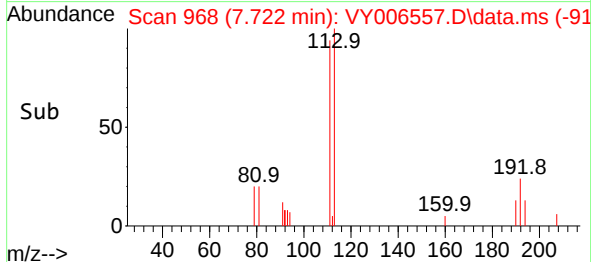
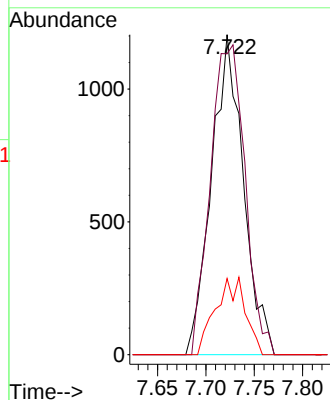


#35
Dibromofluoromethane
Concen: 30.614 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

Instrument :
MSVOA_Y
ClientSampleId :

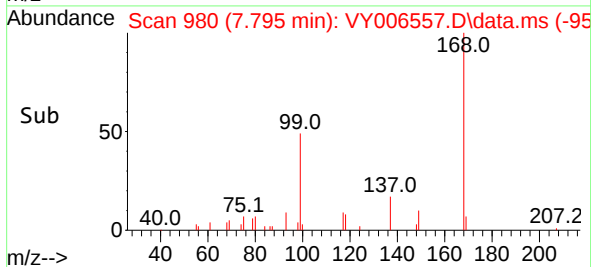
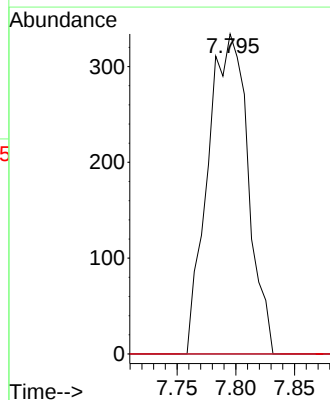
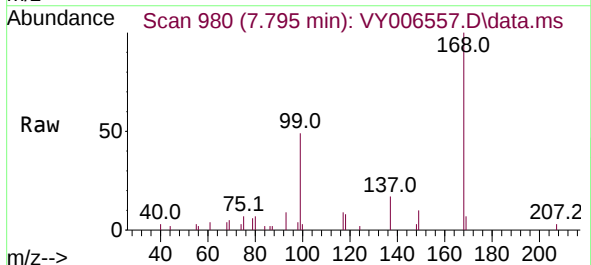


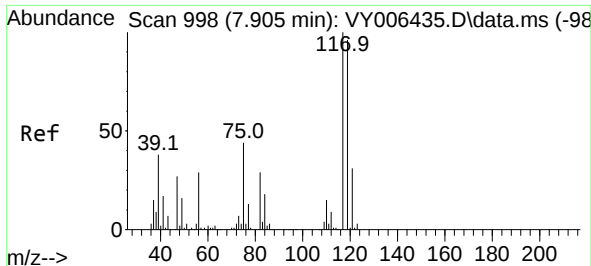
Tgt Ion:113 Resp: 2761
Ion Ratio Lower Upper
113 100
111 105.5 82.3 123.5
192 22.5 17.4 26.2



#36
1,1-Dichloropropene
Concen: 4.979 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

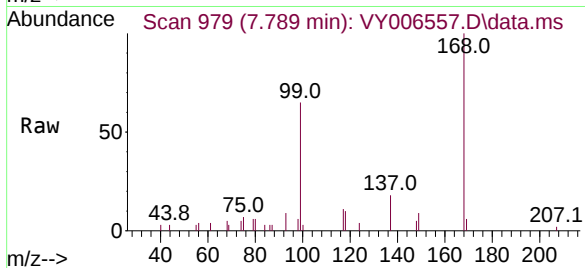
Tgt Ion: 75 Resp: 796
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.3#
77 0.0 24.9 37.3#



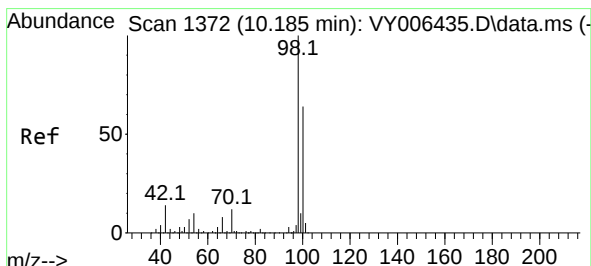
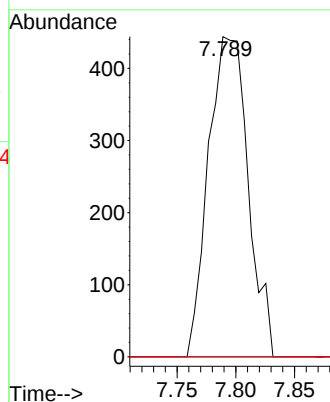
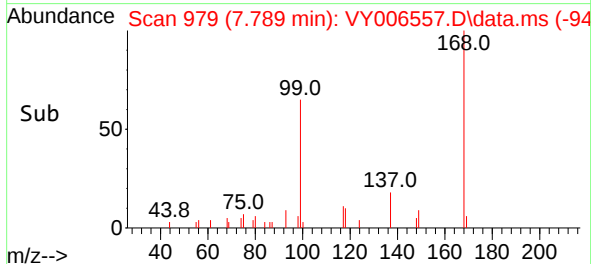


#38
Carbon Tetrachloride
Concen: 5.942 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

Instrument :
MSVOA_Y
ClientSampleId :

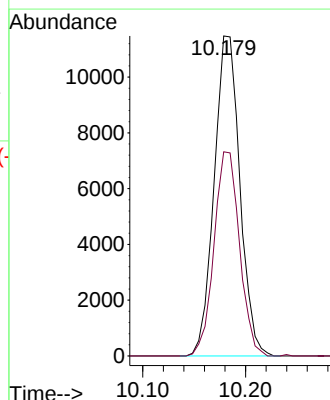
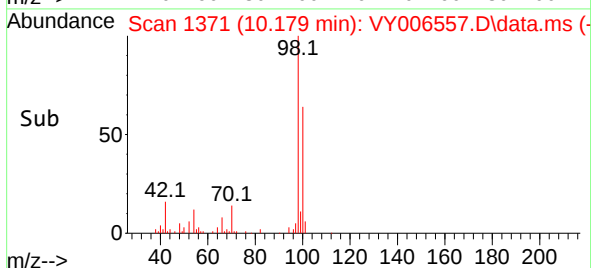
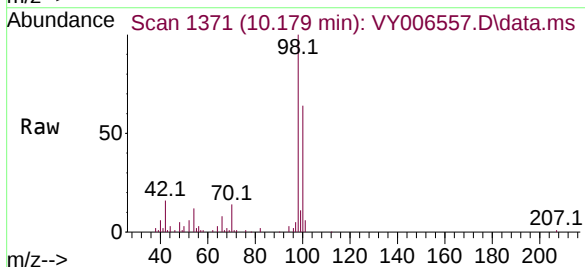


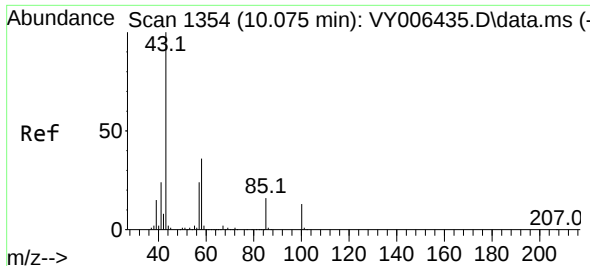
Tgt Ion:117 Resp: 1048
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 52.121 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

Tgt Ion: 98 Resp: 19927
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3

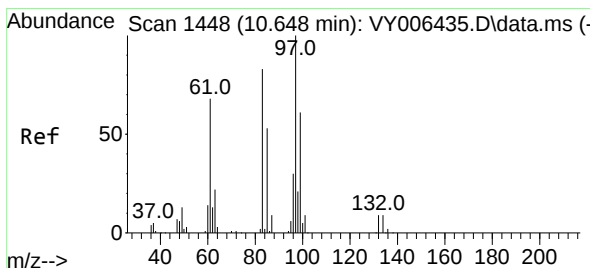
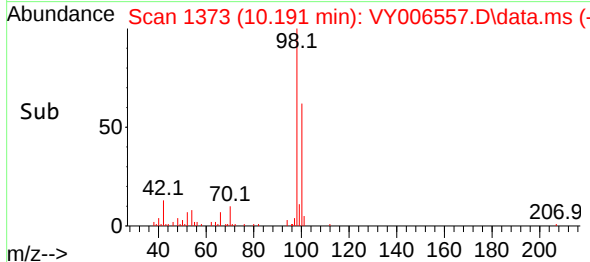
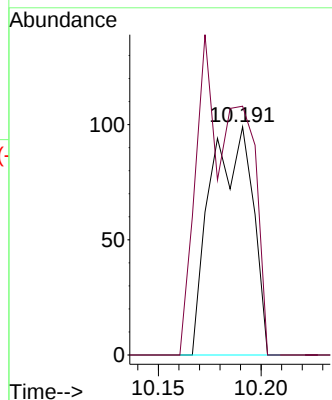
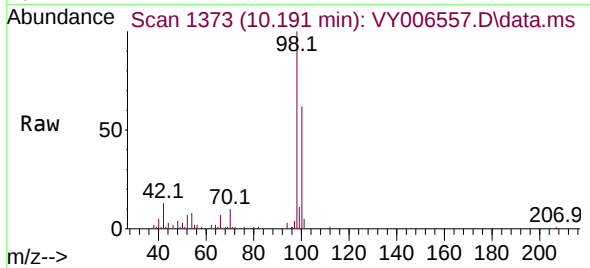




#51
4-Methyl-2-Pentanone
Concen: 1.380 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

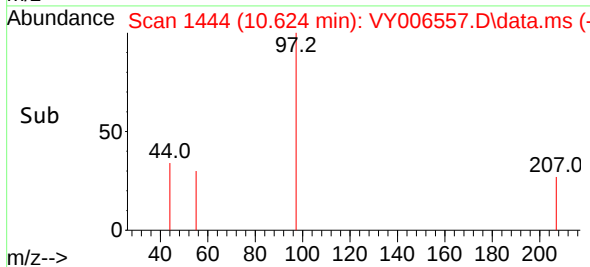
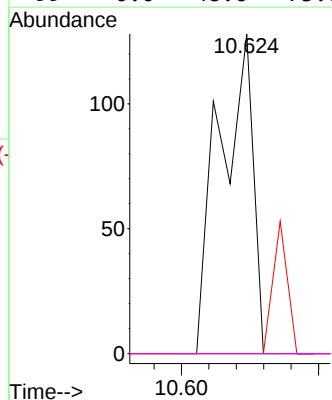
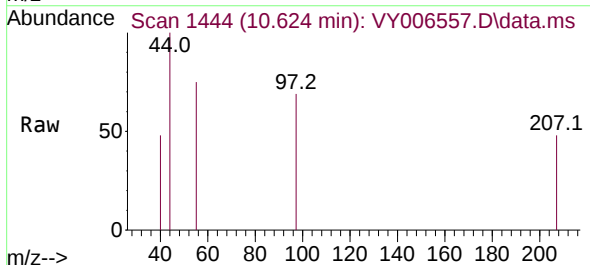
Instrument :
MSVOA_Y
ClientSampleId :

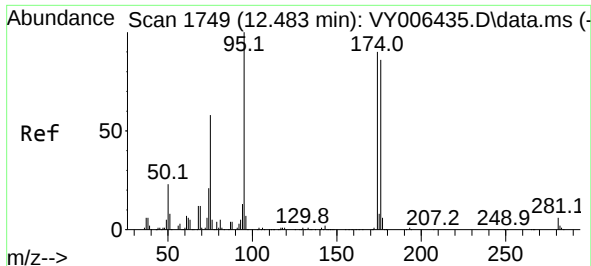
Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
58 71.1 28.7 43.1#



#55
1,1,2-Trichloroethane
Concen: 1.272 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

Tgt Ion: 97 Resp: 109
Ion Ratio Lower Upper
97 100
83 0.0 66.2 99.2#
85 0.0 42.2 63.4#
99 0.0 48.6 73.0#

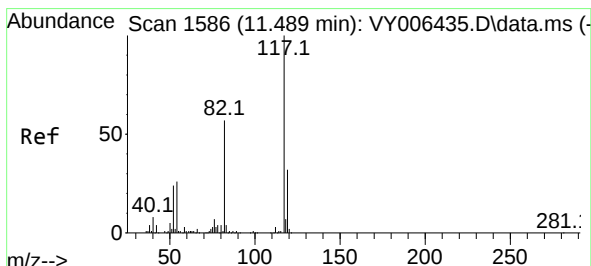
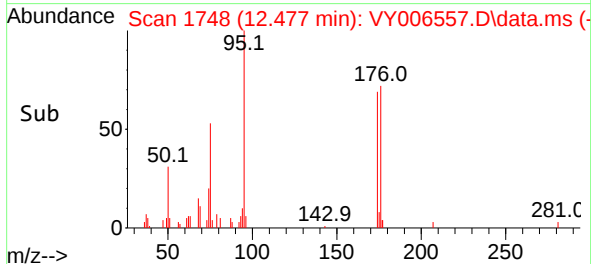
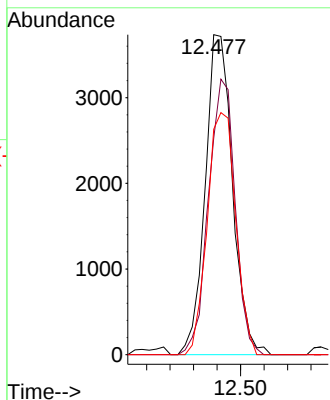
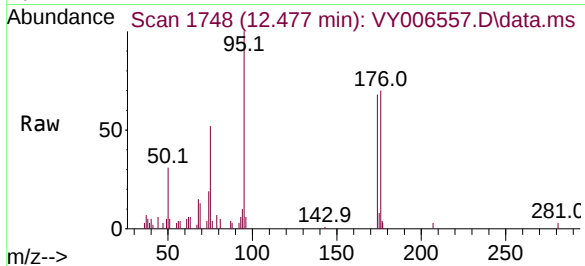




#62
4-Bromofluorobenzene
Concen: 46.844 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

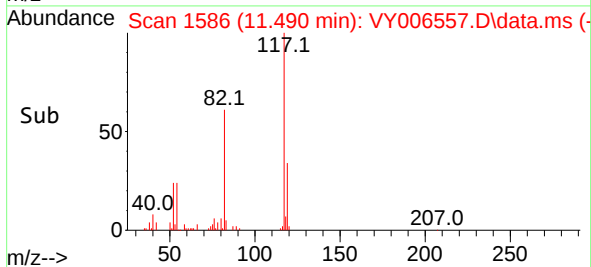
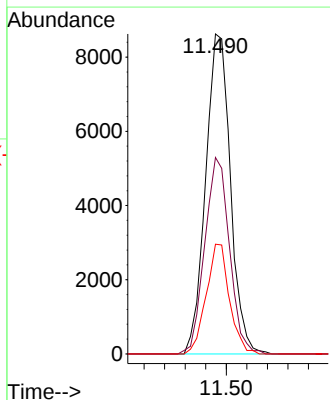
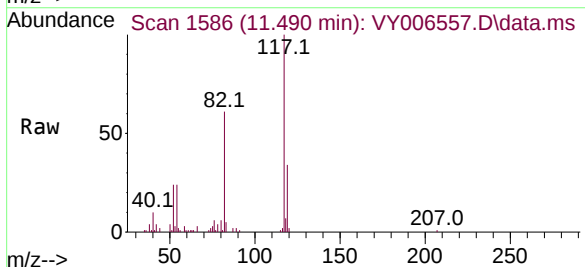
Instrument :
MSVOA_Y
ClientSampleId :

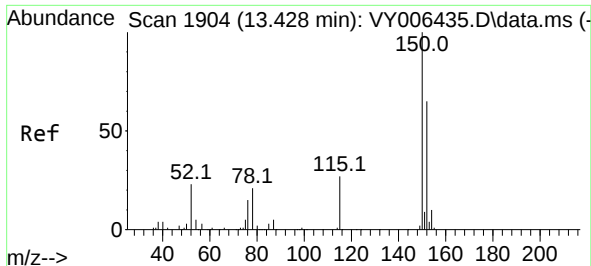
Tgt Ion: 95 Resp: 6033
Ion Ratio Lower Upper
95 100
174 84.0 0.0 177.0
176 78.5 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

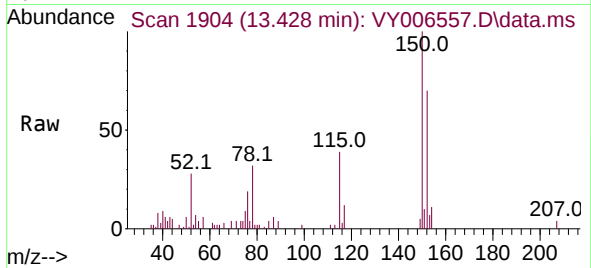
Tgt Ion: 117 Resp: 14457
Ion Ratio Lower Upper
117 100
82 61.4 45.7 68.5
119 34.3 25.5 38.3



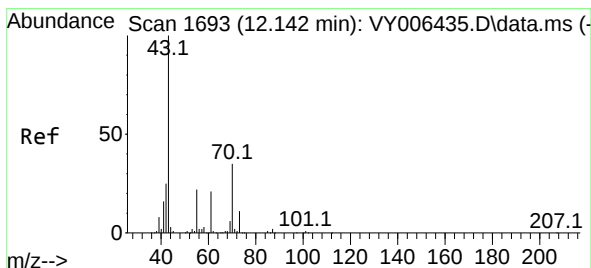
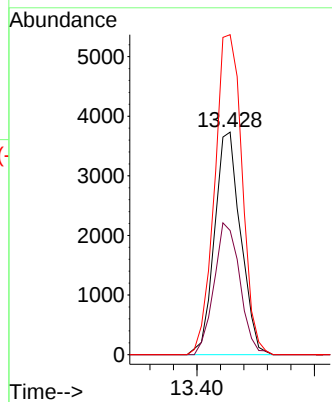
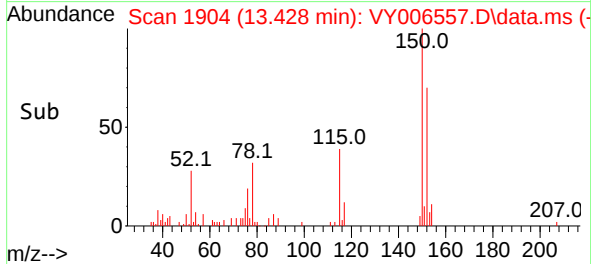


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

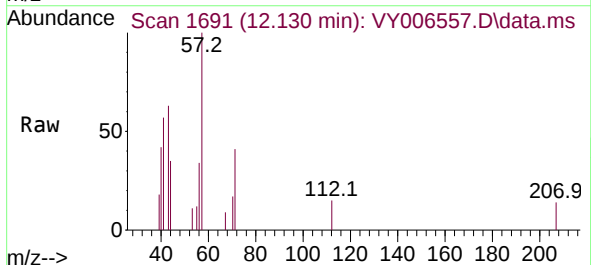
Instrument :
MSVOA_Y
ClientSampleId :



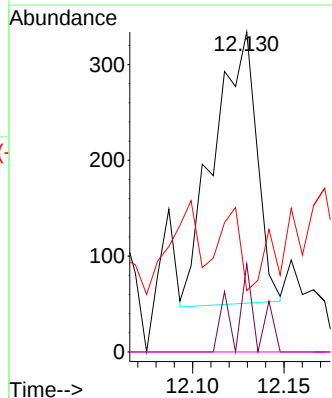
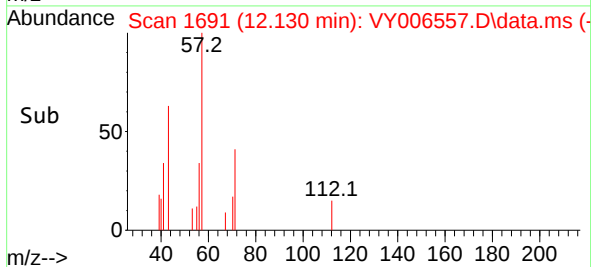
Tgt Ion:152 Resp: 5757
Ion Ratio Lower Upper
152 100
115 58.7 28.5 85.5
150 151.3 0.0 348.2

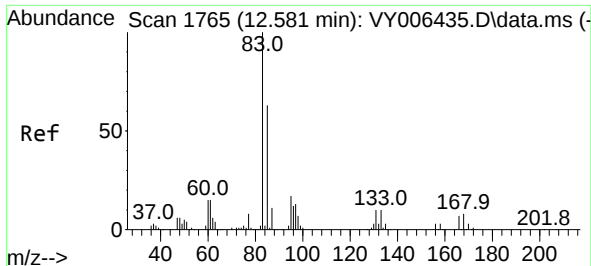


#74
N-ethyl acetate
Concen: 3.466 ug/l
RT: 12.130 min Scan# 1691
Delta R.T. -0.012 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18



Tgt Ion: 43 Resp: 463
Ion Ratio Lower Upper
43 100
70 11.4 29.4 44.0#
55 11.0 18.1 27.1#
61 0.0 17.6 26.4#

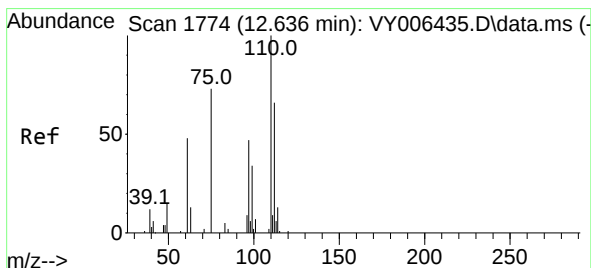
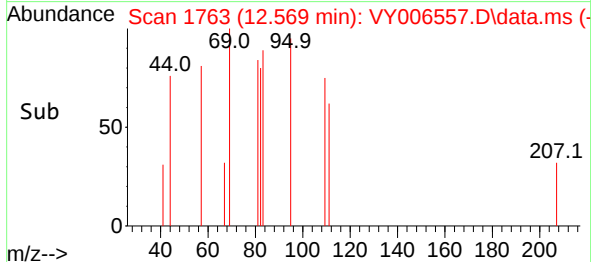
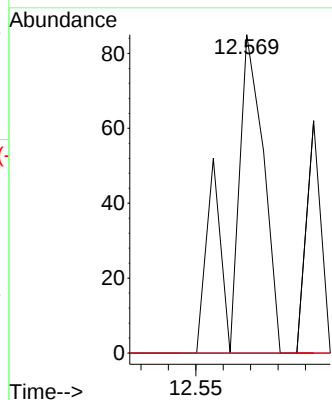
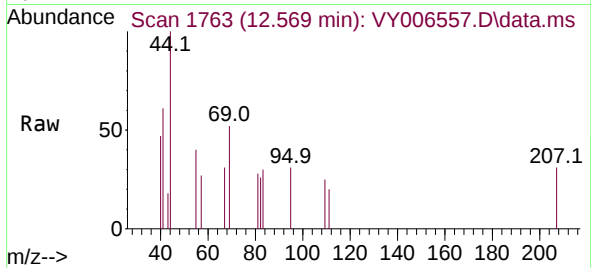




#75
1,1,2,2-Tetrachloroethane
Concen: 1.004 ug/l
RT: 12.569 min Scan# 1763
Delta R.T. -0.012 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

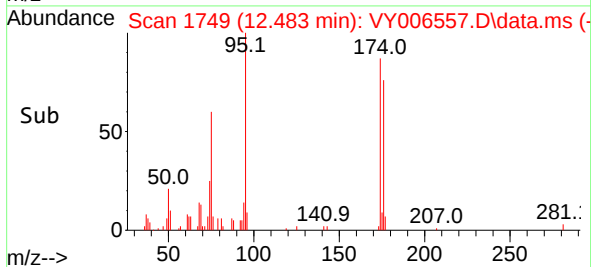
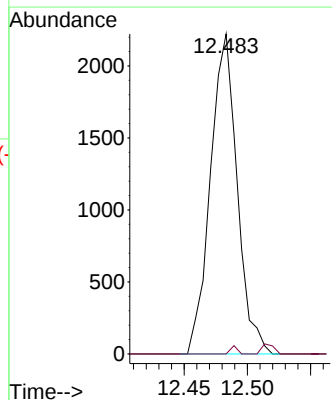
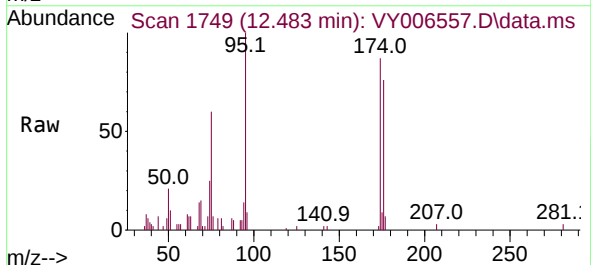
Instrument :
MSVOA_Y
ClientSampleId :

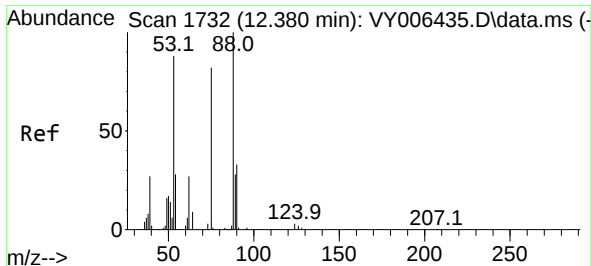
Tgt Ion: 83 Resp: 70
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.4#
85 0.0 31.9 95.9#



#76
1,2,3-Trichloropropane
Concen: 55.070 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

Tgt Ion: 75 Resp: 3267
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#

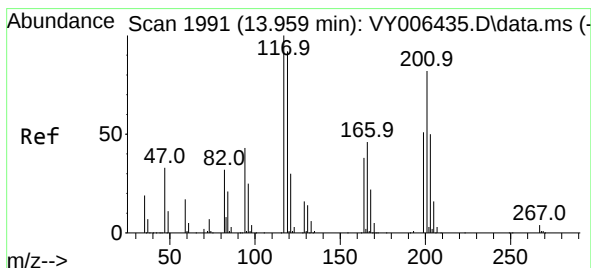
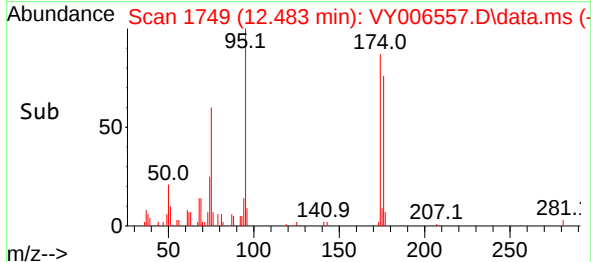
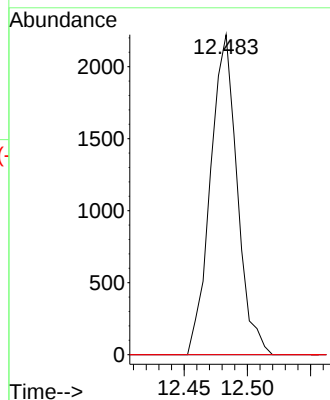
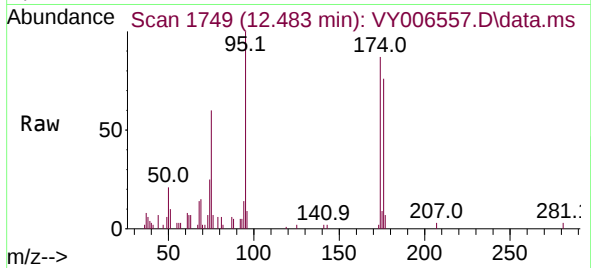




#81
trans-1,4-Dichloro-2-butene
Concen: 113.057 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

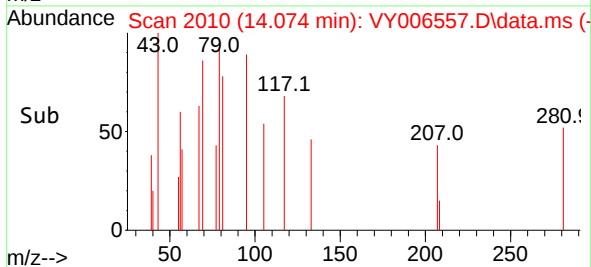
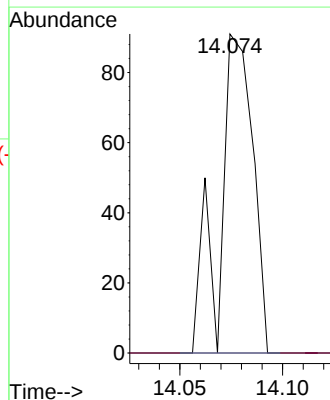
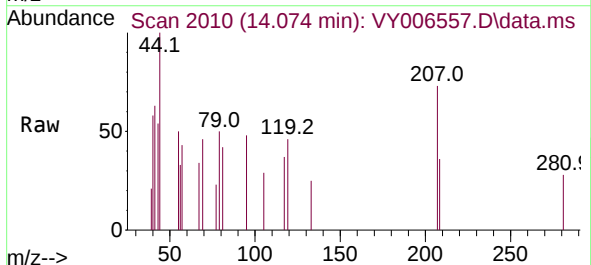
Instrument :
MSVOA_Y
ClientSampleId :

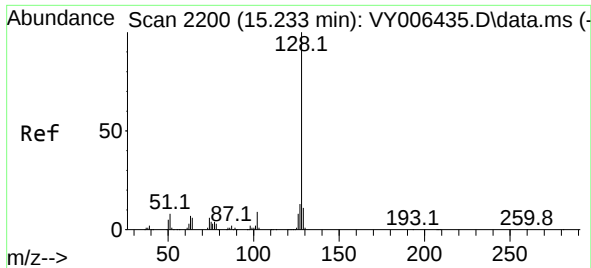
Tgt Ion: 75 Resp: 3267
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#



#90
Hexachloroethane
Concen: 1.536 ug/l
RT: 14.074 min Scan# 2010
Delta R.T. 0.116 min
Lab File: VY006557.D
Acq: 01 Nov 2021 17:18

Tgt Ion: 117 Resp: 103
Ion Ratio Lower Upper
117 100
201 0.0 43.4 130.1#





#95

Naphthalene

Concen: 1.316 ug/l

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

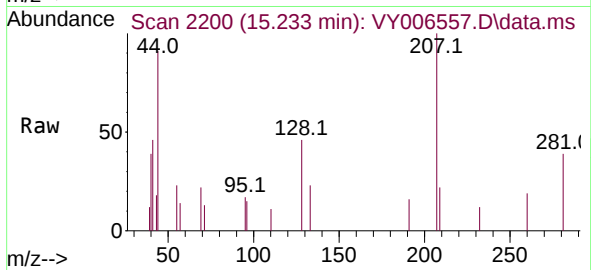
Lab File: VY006557.D

Acq: 01 Nov 2021 17:18

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 284

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.9 13.3#

