

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102821\
 Data File : VY006509.D
 Acq On : 28 Oct 2021 12:38
 Operator : SY/MD
 Sample : M4373-01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 05:05:37 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)

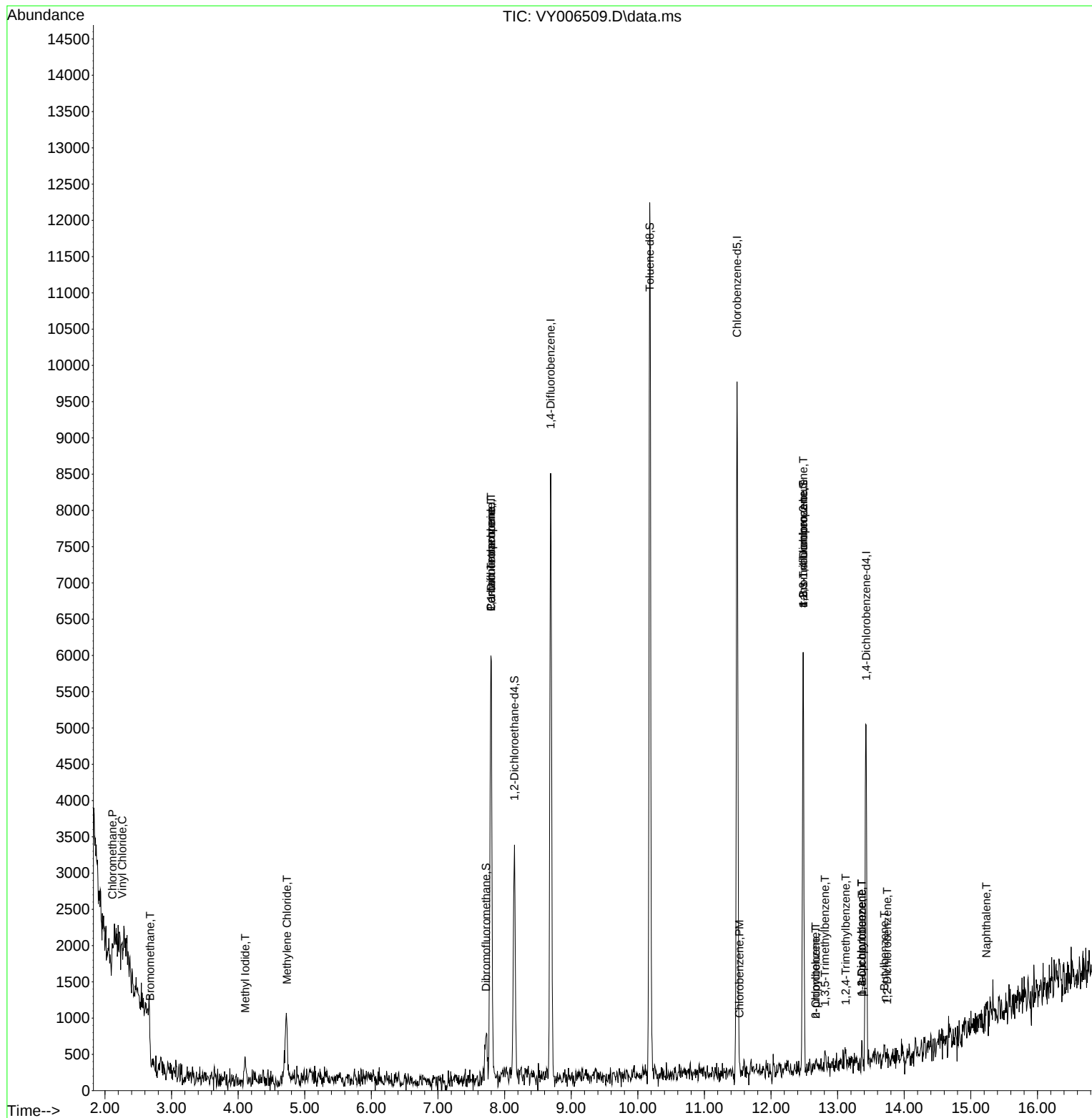
Internal Standards						
1) Pentafluorobenzene	7.795	168	4962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	6559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	5088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	2587	42.368	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.740%
35) Dibromofluoromethane	7.722	113	677	18.519	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	37.040%#
50) Toluene-d8	10.179	98	7934	51.195	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.400%
62) 4-Bromofluorobenzene	12.483	95	1723	33.005	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	66.000%
Target Compounds						Qvalue
3) Chloromethane	2.113	50	208	3.360	ug/l #	43
4) Vinyl Chloride	2.260	62	108	1.562	ug/l #	44
5) Bromomethane	2.680	94	110	2.388	ug/l	86
10) Methyl Iodide	4.107	142	382	12.085	ug/l #	70
20) Methylene Chloride	4.735	84	624	8.053	ug/l #	70
36) 1,1-Dichloropropene	7.795	75	331	5.107	ug/l #	42
38) Carbon Tetrachloride	7.795	117	385	5.385	ug/l #	12
65) Chlorobenzene	11.526	112	106	1.070	ug/l #	42
76) 1,2,3-Trichloropropane	12.483	75	1099	74.895	ug/l #	100
78) n-propylbenzene	12.672	91	129	1.048	ug/l #	53
79) 2-Chlorotoluene	12.672	91	129	1.893	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.813	105	162	1.942	ug/l	70
81) trans-1,4-Dichloro-2-b...	12.483	75	1099	153.756	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	198	2.374	ug/l #	31
86) p-Isopropyltoluene	13.367	119	138	1.503	ug/l #	50
87) 1,3-Dichlorobenzene	13.361	146	51	1.083	ug/l #	27
88) 1,4-Dichlorobenzene	13.361	146	51	1.101	ug/l #	27
89) n-Butylbenzene	13.703	91	158	1.829	ug/l #	33
91) 1,2-Dichlorobenzene	13.745	146	100	2.421	ug/l #	25
95) Naphthalene	15.233	128	212	3.971	ug/l #	68

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

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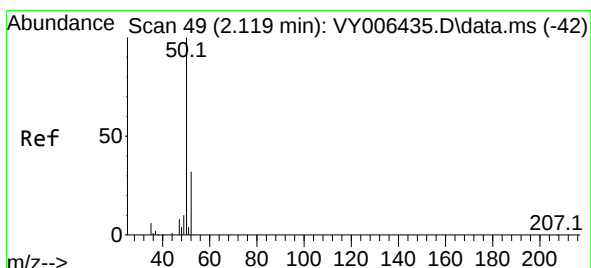
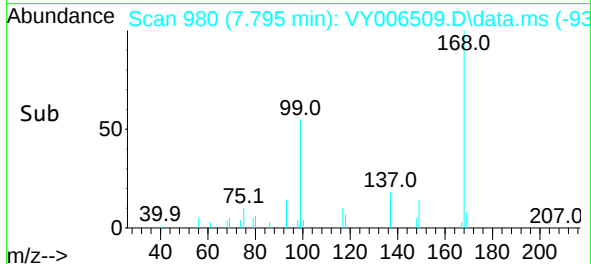
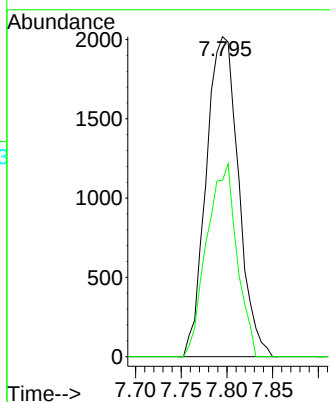
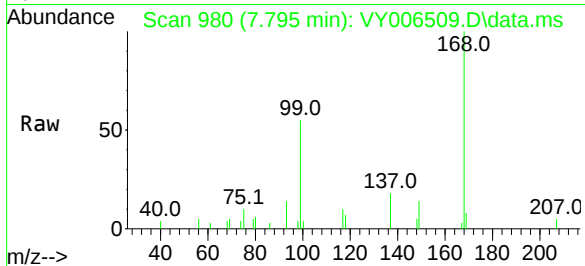




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

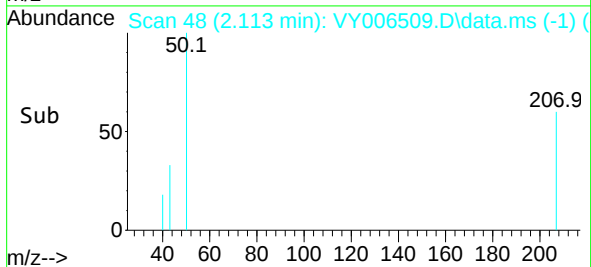
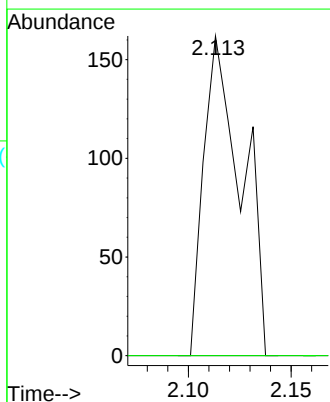
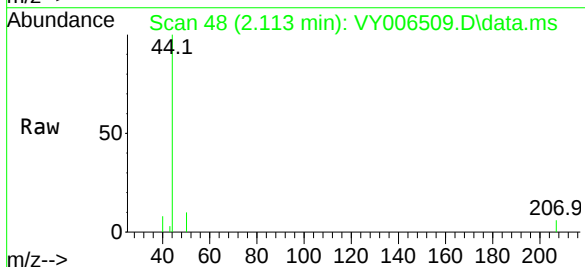
Instrument :
MSVOA_Y
ClientSampled :

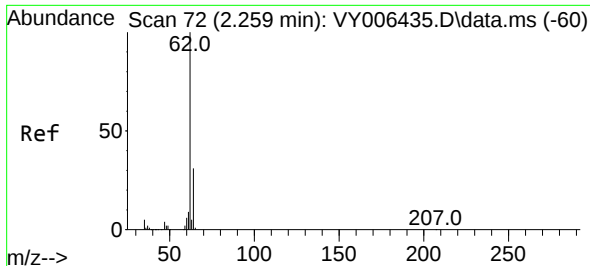
Tgt Ion:168 Resp: 4962
Ion Ratio Lower Upper
168 100
99 55.1 44.8 67.2



#3
Chloromethane
Concen: 3.360 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

Tgt Ion: 50 Resp: 208
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

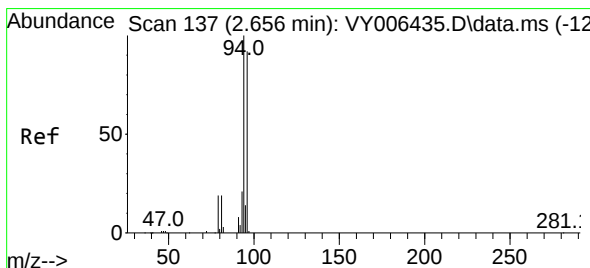
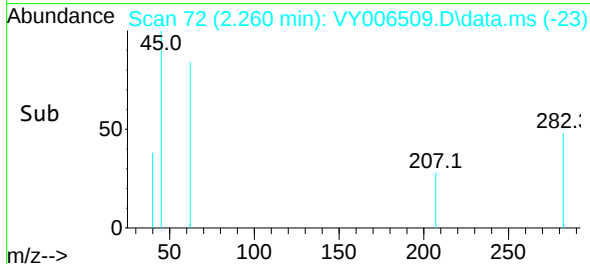
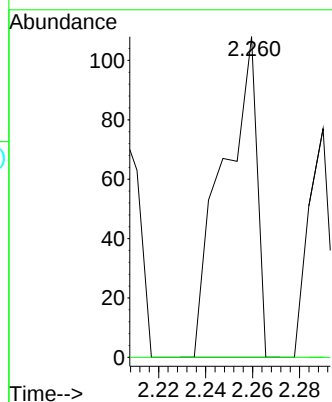
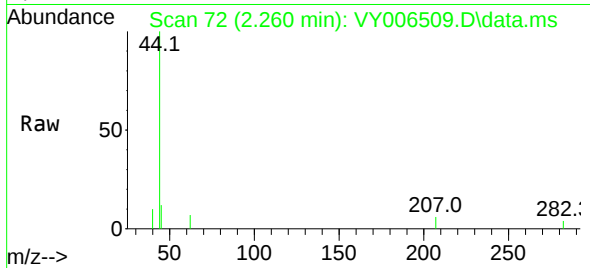




#4
 Vinyl Chloride
 Concen: 1.562 ug/l
 RT: 2.260 min Scan# 72
 Delta R.T. 0.000 min
 Lab File: VY006509.D
 Acq: 28 Oct 2021 12:38

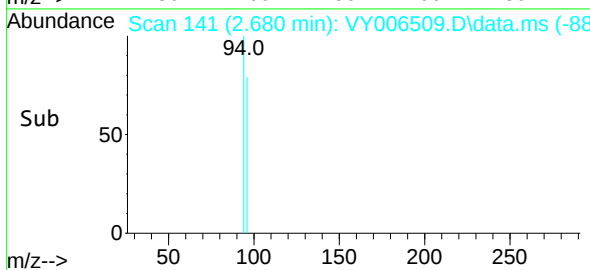
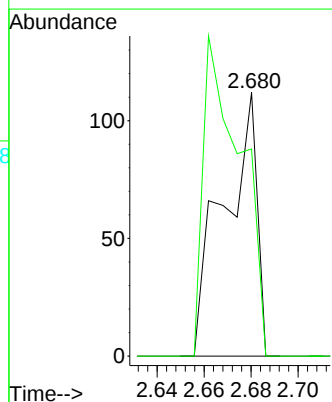
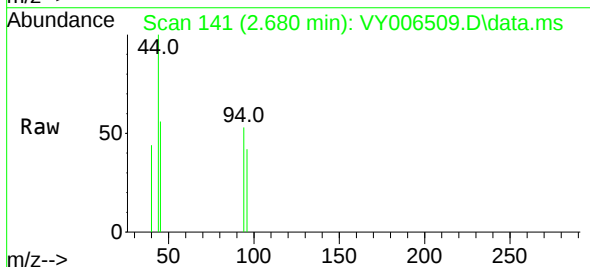
Instrument :
 MSVOA_Y
 ClientSampleId :

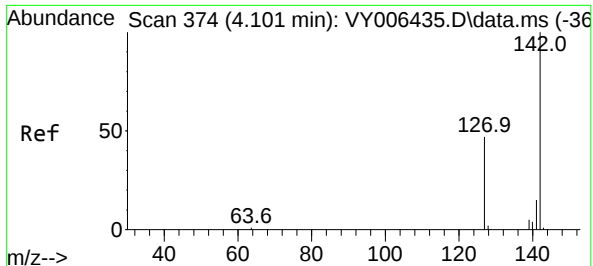
Tgt Ion: 62 Resp: 108
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.7 37.1#



#5
 Bromomethane
 Concen: 2.388 ug/l
 RT: 2.680 min Scan# 141
 Delta R.T. 0.024 min
 Lab File: VY006509.D
 Acq: 28 Oct 2021 12:38

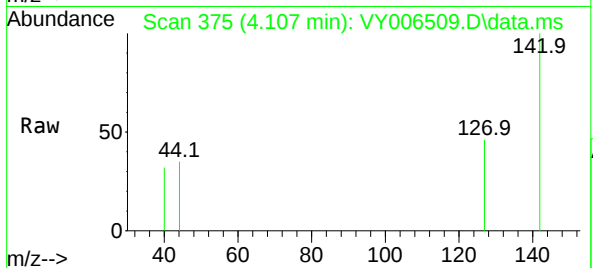
Tgt Ion: 94 Resp: 110
 Ion Ratio Lower Upper
 94 100
 96 78.6 73.5 110.3



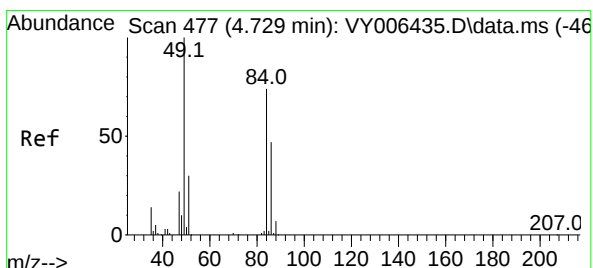
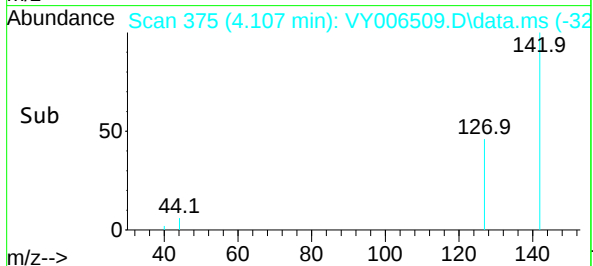
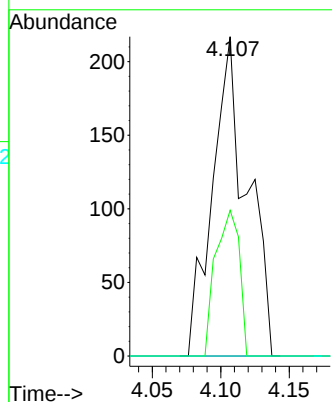


#10
Methyl Iodide
Concen: 12.085 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

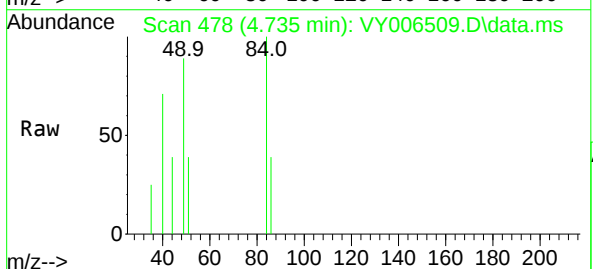
Instrument :
MSVOA_Y
ClientSampled :



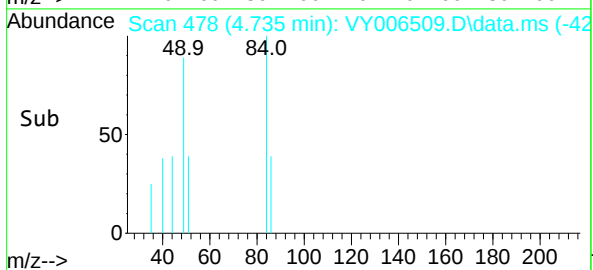
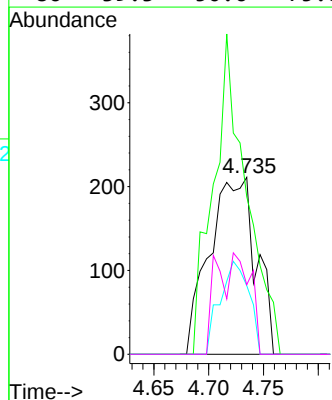
Tgt Ion:142 Resp: 382
Ion Ratio Lower Upper
142 100
127 31.2 40.1 60.1#
141 0.0 12.5 18.7#

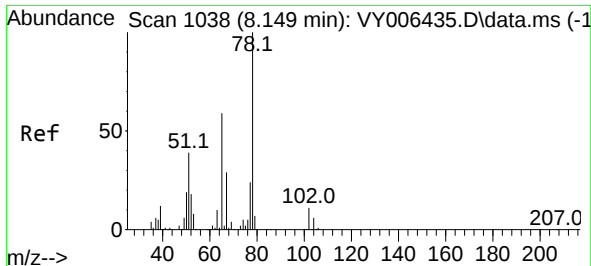


#20
Methylene Chloride
Concen: 8.053 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.006 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38



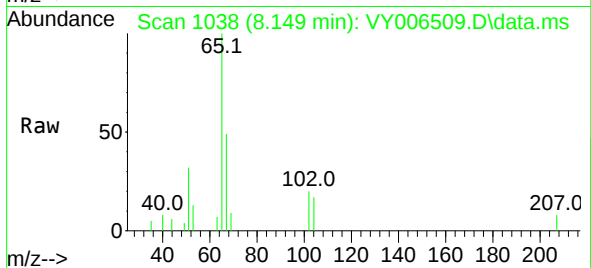
Tgt Ion: 84 Resp: 624
Ion Ratio Lower Upper
84 100
49 89.1 107.8 161.8#
51 38.9 32.8 49.2
86 39.3 50.6 75.8#



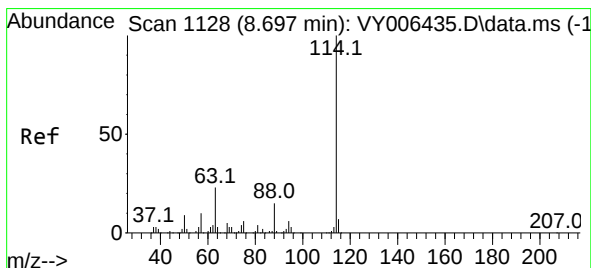
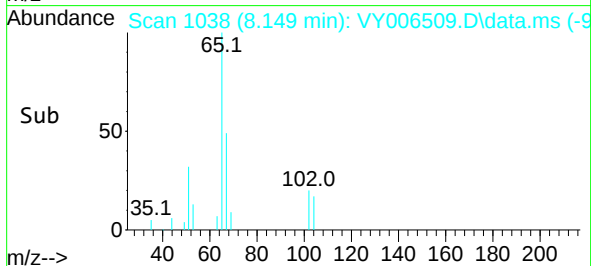
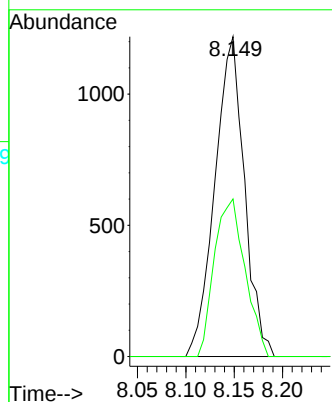


#33
1,2-Dichloroethane-d4
Concen: 42.368 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

Instrument :
MSVOA_Y
ClientSampled :

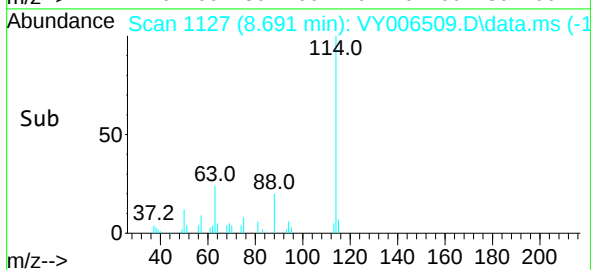
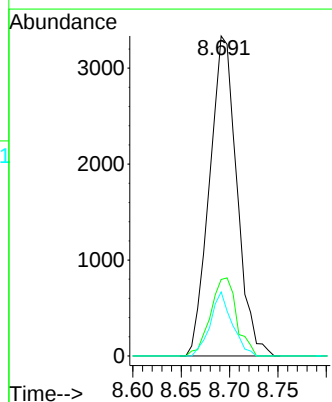
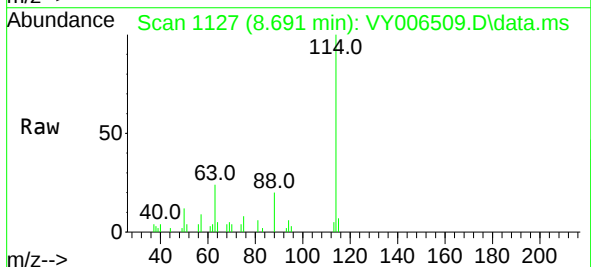


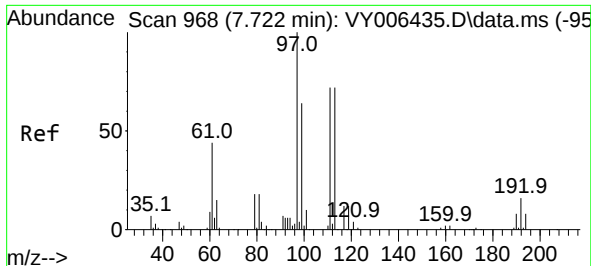
Tgt Ion: 65 Resp: 2587
Ion Ratio Lower Upper
65 100
67 51.2 0.0 98.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

Tgt Ion: 114 Resp: 6559
Ion Ratio Lower Upper
114 100
63 23.9 0.0 45.0
88 20.0 0.0 30.6

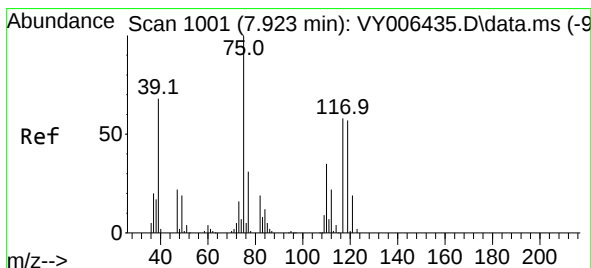
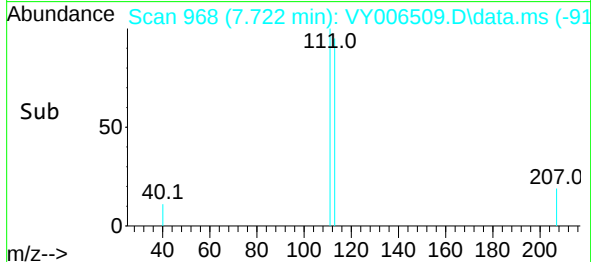
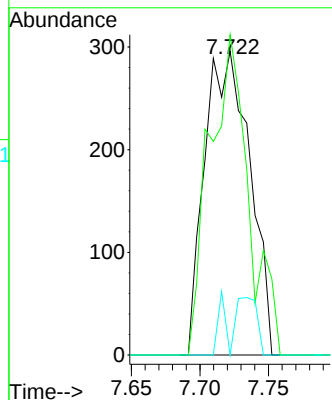
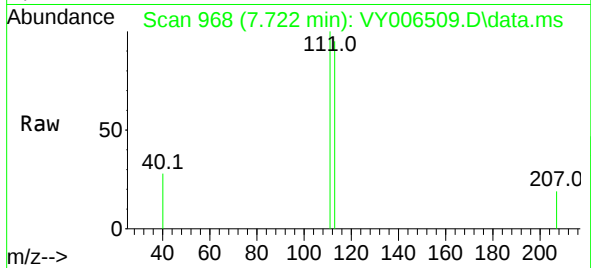




#35
Dibromofluoromethane
Concen: 18.519 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

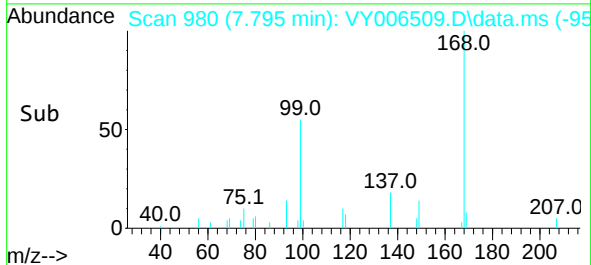
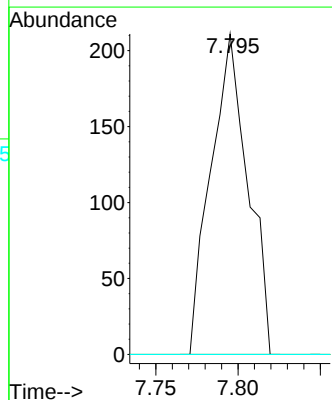
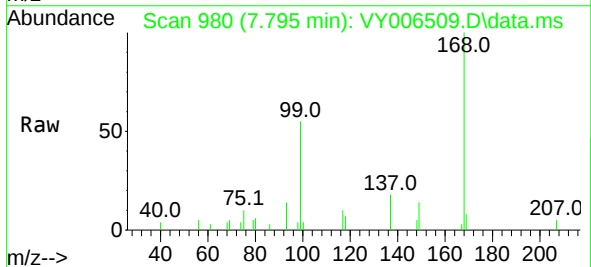
Instrument :
MSVOA_Y
ClientSampled :

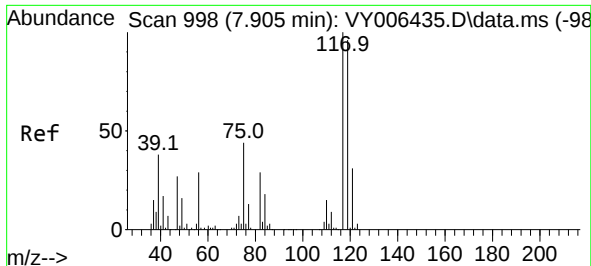
Tgt Ion:113 Resp: 677
Ion Ratio Lower Upper
113 100
111 91.7 82.3 123.5
192 3.4 17.4 26.2#



#36
1,1-Dichloropropene
Concen: 5.107 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

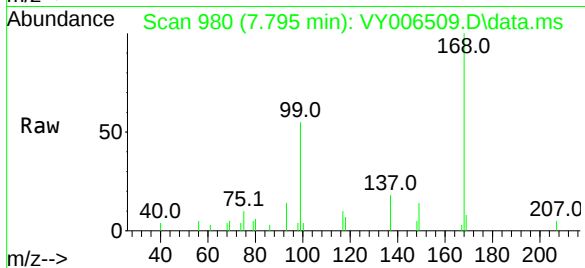
Tgt Ion: 75 Resp: 331
Ion Ratio Lower Upper
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110 0.0 17.1 51.3#
77 0.0 24.9 37.3#



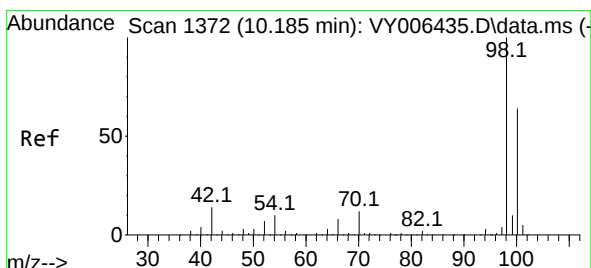
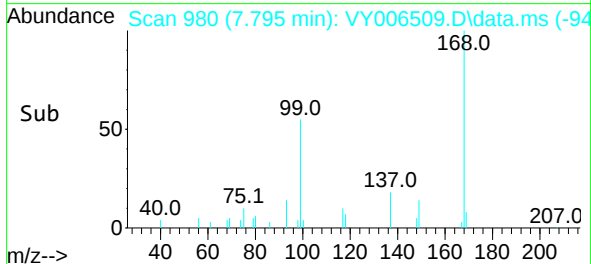
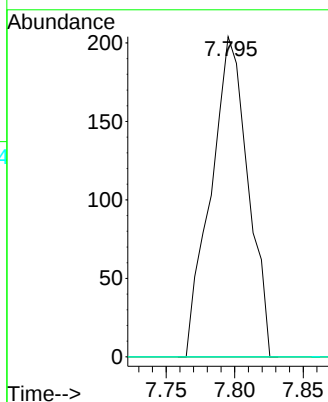


#38
Carbon Tetrachloride
Concen: 5.385 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

Instrument :
MSVOA_Y
ClientSampled :

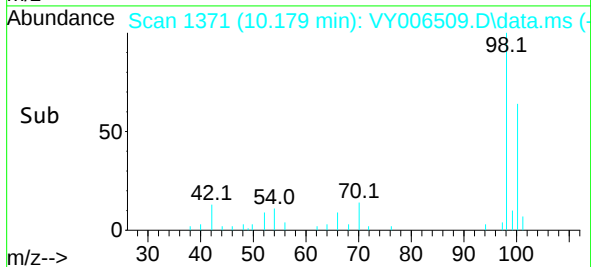
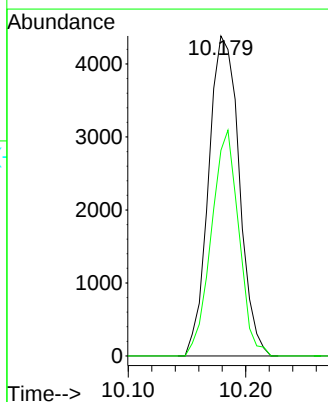
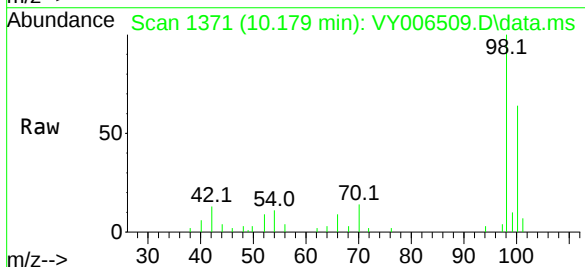


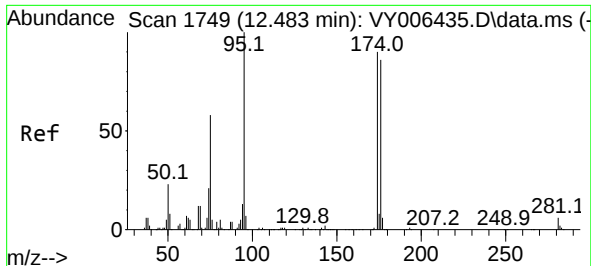
Tgt Ion: 117 Resp: 385
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.195 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

Tgt Ion: 98 Resp: 7934
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3

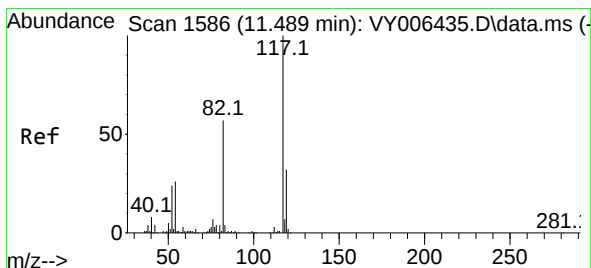
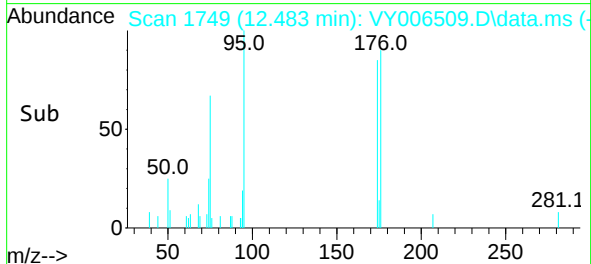
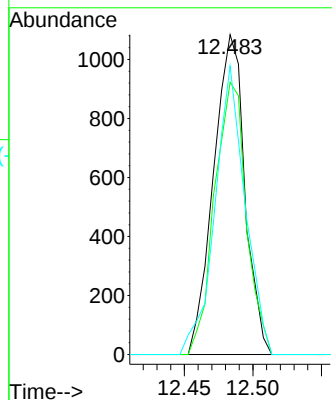
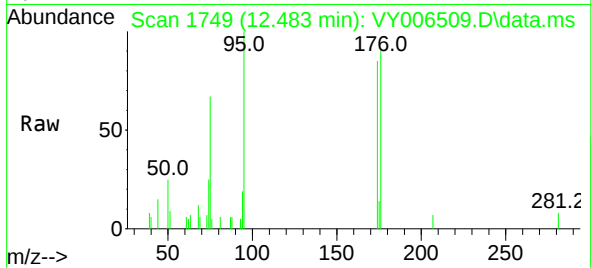




#62
4-Bromofluorobenzene
Concen: 33.005 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

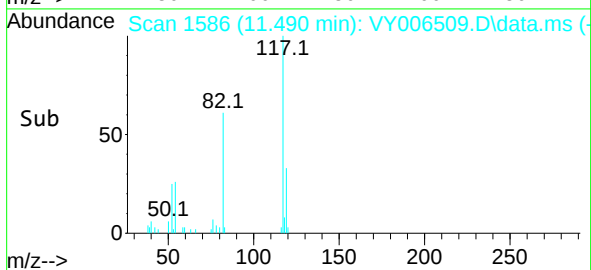
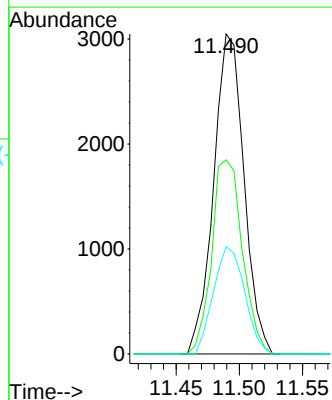
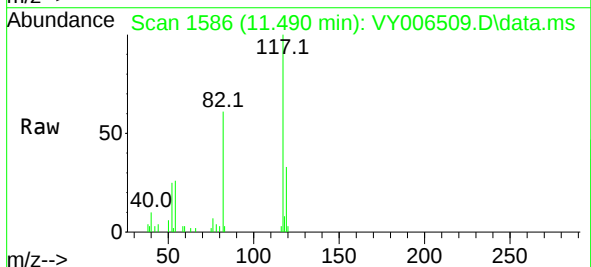
Instrument :
MSVOA_Y
ClientSampled :

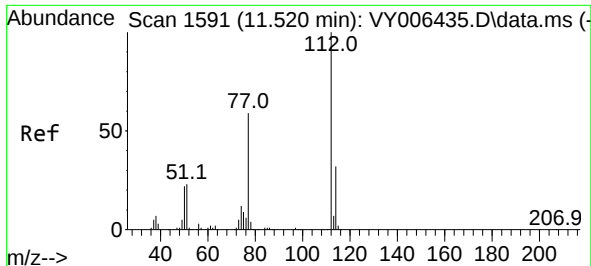
Tgt Ion:	95	Resp:	1723
Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	177.0
176	86.8	0.0	169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

Tgt Ion:	117	Resp:	5088
Ion	Ratio	Lower	Upper
117	100		
82	60.7	45.7	68.5
119	33.5	25.5	38.3

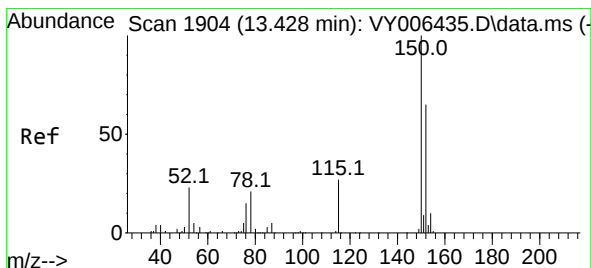
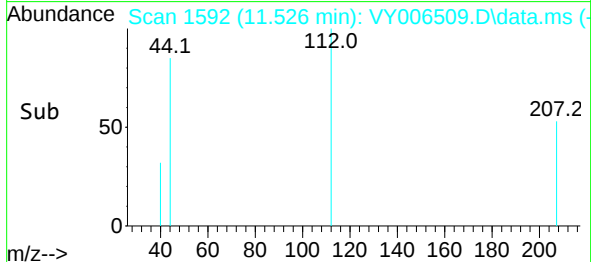
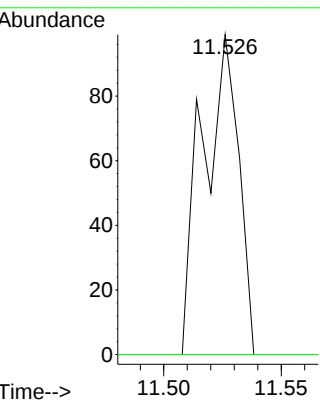
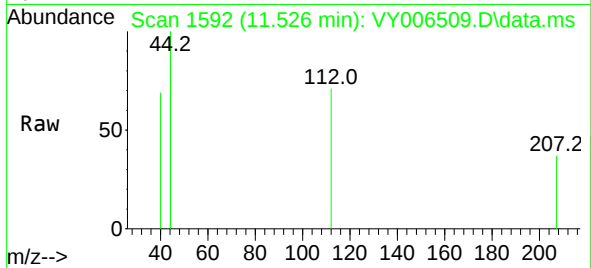




#65
Chlorobenzene
Concen: 1.070 ug/l
RT: 11.526 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

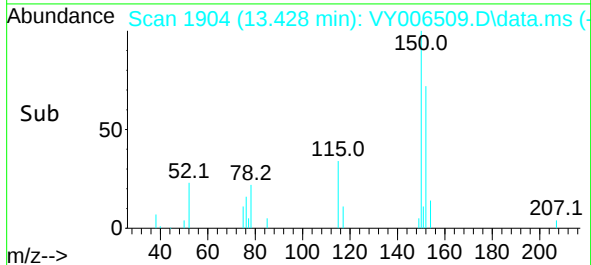
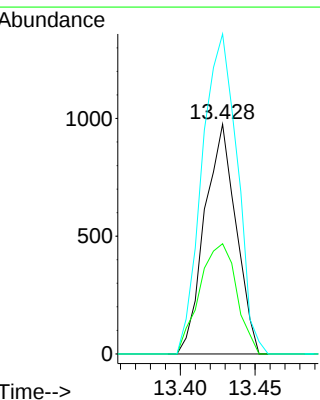
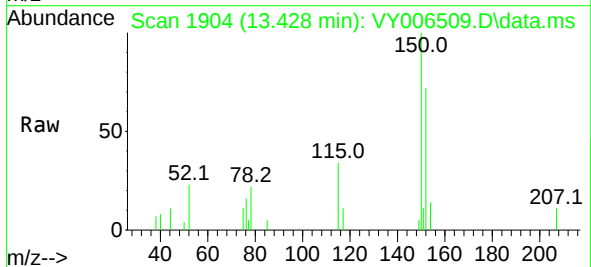
Instrument :
MSVOA_Y
ClientSampled :

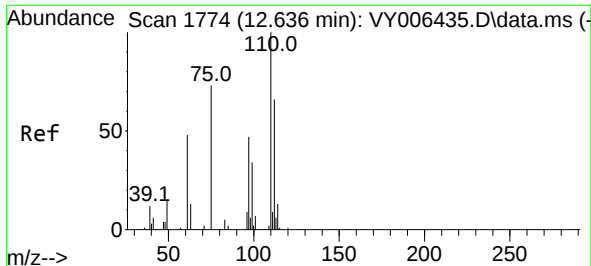
Tgt Ion:112 Resp: 106
Ion Ratio Lower Upper
112 100
114 0.0 25.8 38.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

Tgt Ion:152 Resp: 1424
Ion Ratio Lower Upper
152 100
115 56.5 28.5 85.5
150 155.5 0.0 348.2

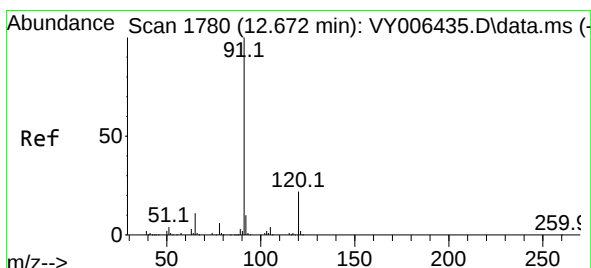
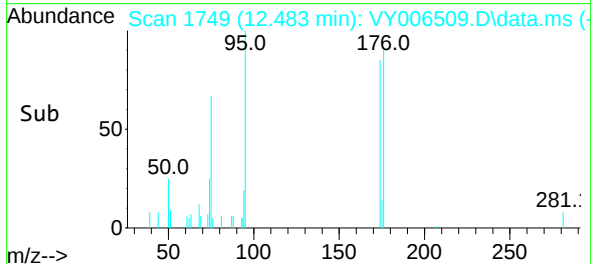
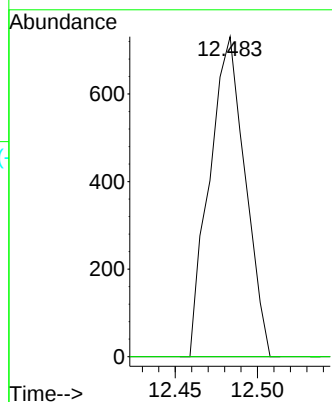
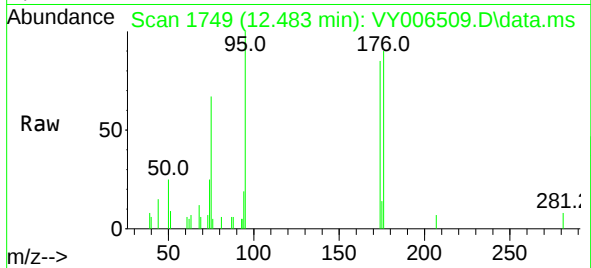




#76
1,2,3-Trichloropropane
Concen: 74.895 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

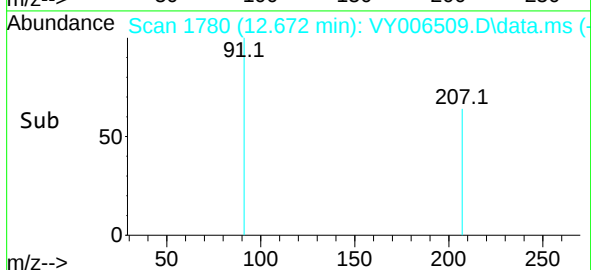
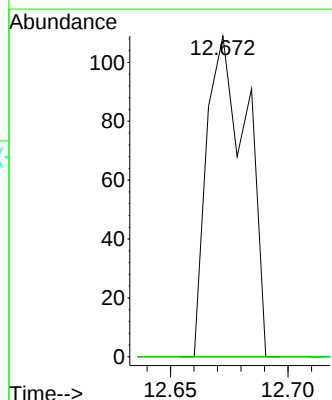
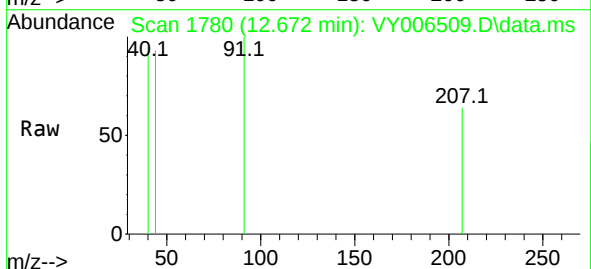
Instrument :
MSVOA_Y
ClientSampled :

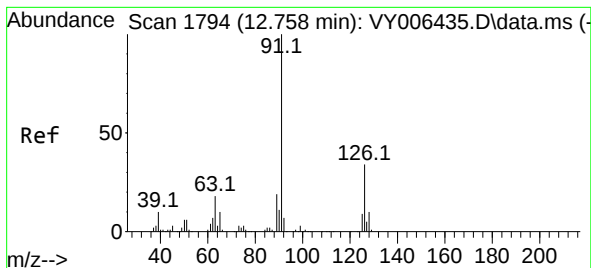
Tgt Ion: 75 Resp: 1099
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 1.048 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

Tgt Ion: 91 Resp: 129
Ion Ratio Lower Upper
91 100
120 0.0 11.3 33.8#

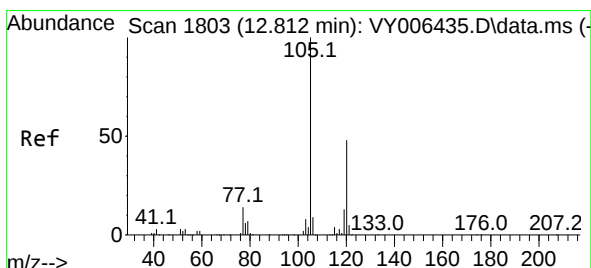
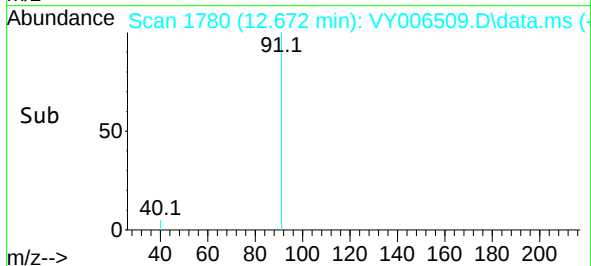
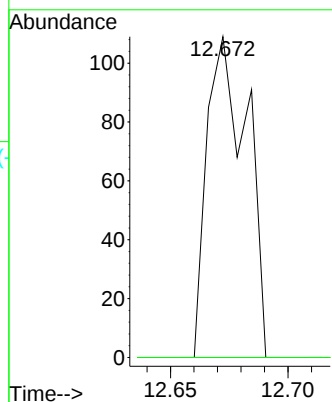
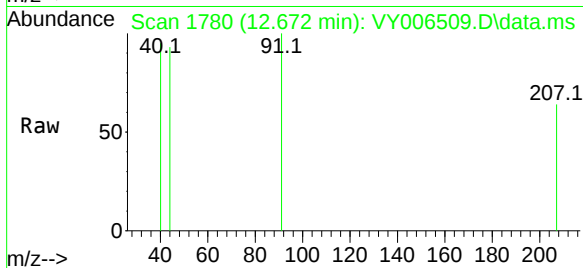




#79
2-Chlorotoluene
Concen: 1.893 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.085 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

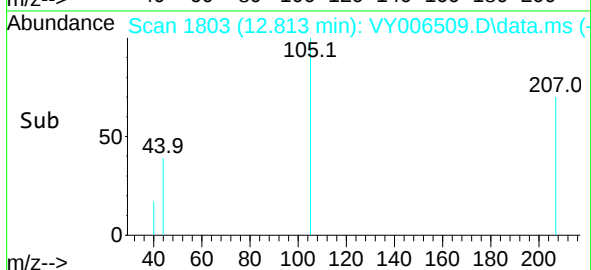
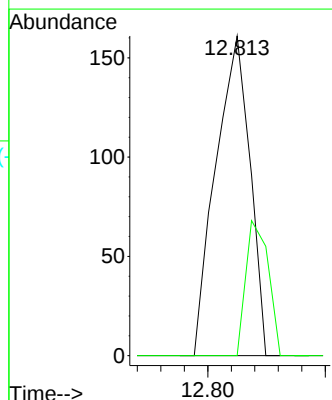
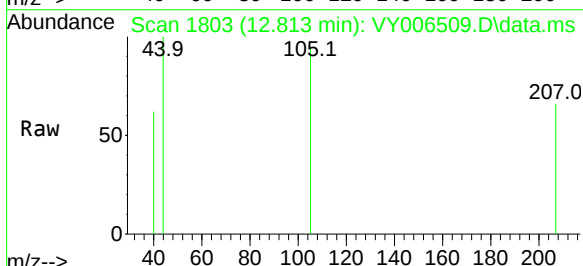
Instrument :
MSVOA_Y
ClientSampled :

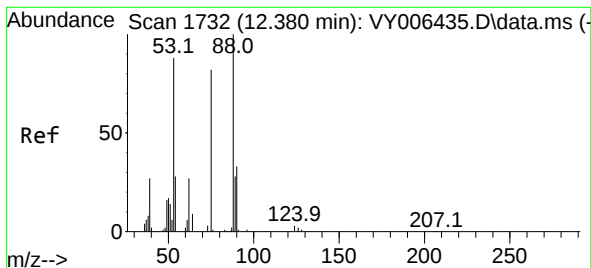
Tgt Ion: 91 Resp: 129
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#



#80
1,3,5-Trimethylbenzene
Concen: 1.942 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

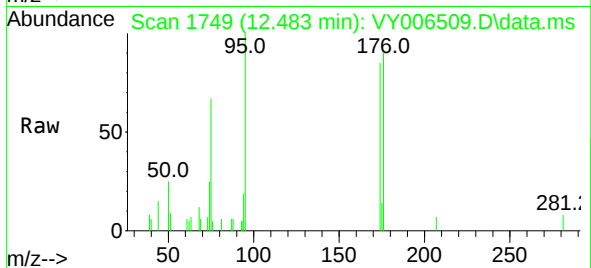
Tgt Ion: 105 Resp: 162
Ion Ratio Lower Upper
105 100
120 27.8 24.1 72.4



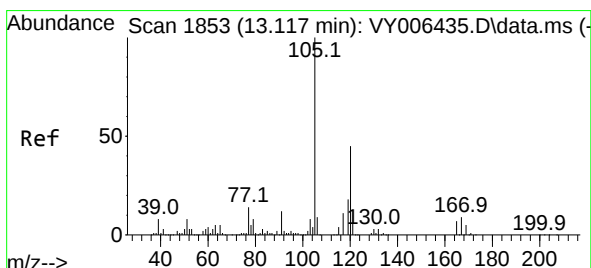
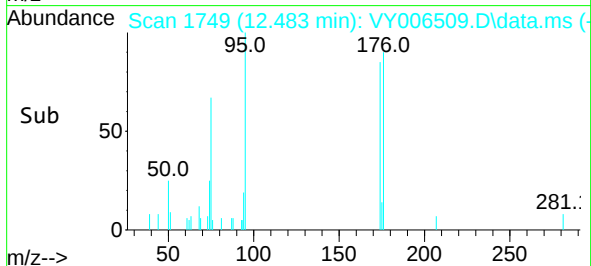
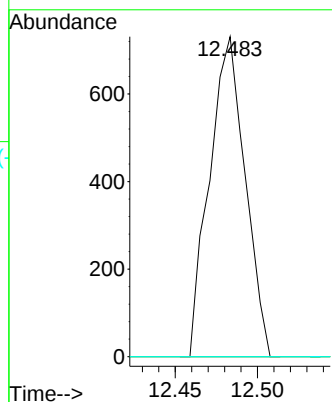


#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.756 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY006509.D
 Acq: 28 Oct 2021 12:38

Instrument :
 MSVOA_Y
 ClientSampled :

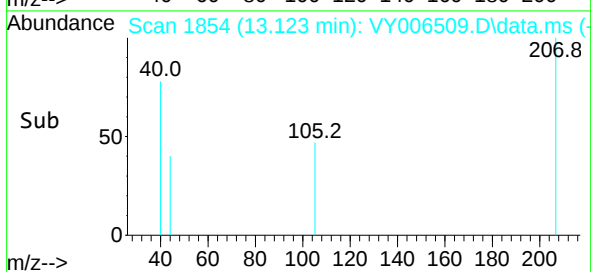
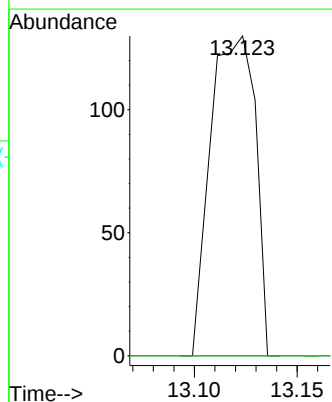
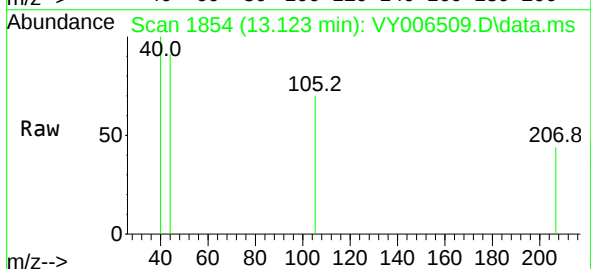


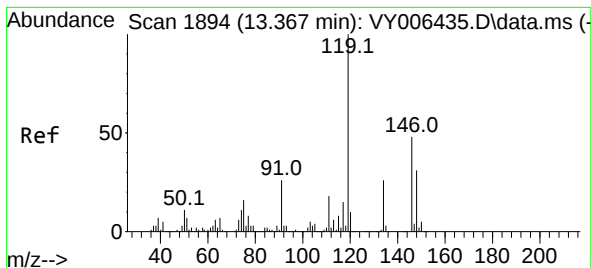
Tgt Ion: 75 Resp: 1099
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.8 128.6#
 89 0.0 39.3 58.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 2.374 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.006 min
 Lab File: VY006509.D
 Acq: 28 Oct 2021 12:38

Tgt Ion: 105 Resp: 198
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.6 67.8#

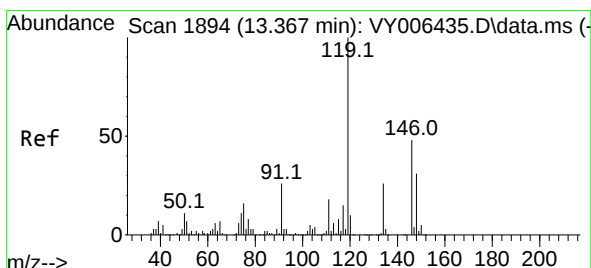
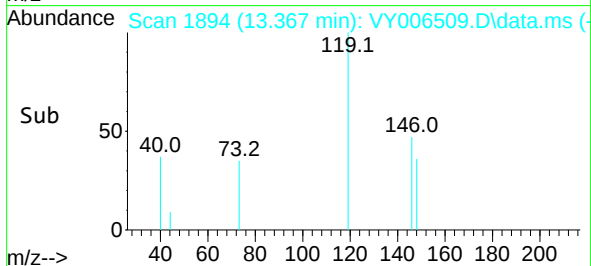
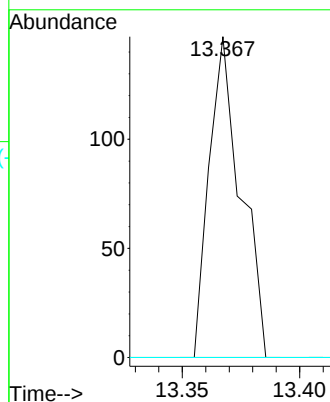
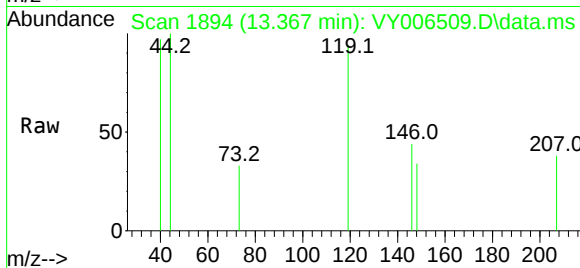




#86
p-Isopropyltoluene
Concen: 1.503 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

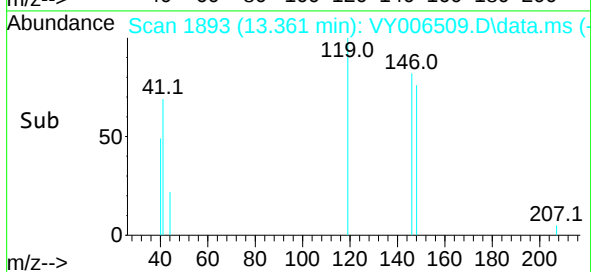
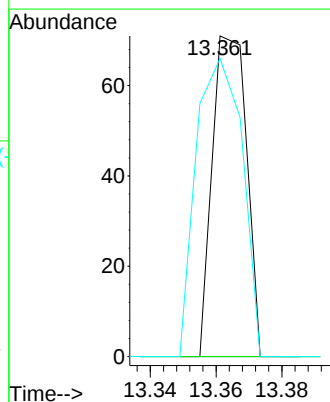
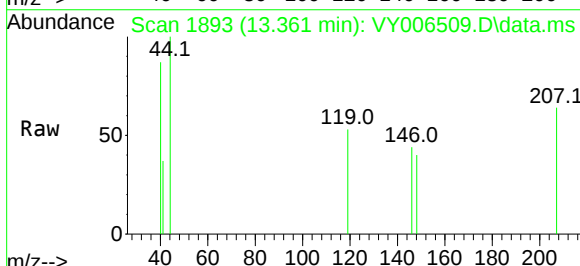
Instrument :
MSVOA_Y
ClientSampleId :

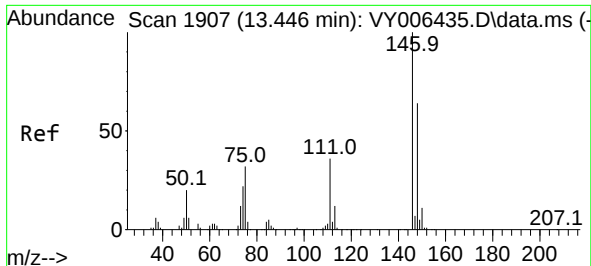
Tgt Ion:	119	Resp:	138
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.1	39.1#
91	0.0	12.4	37.4#



#87
1,3-Dichlorobenzene
Concen: 1.083 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

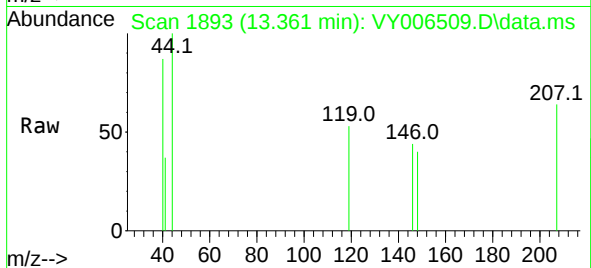
Tgt Ion:	146	Resp:	51
Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.3	57.9#
148	125.5	31.9	95.7#



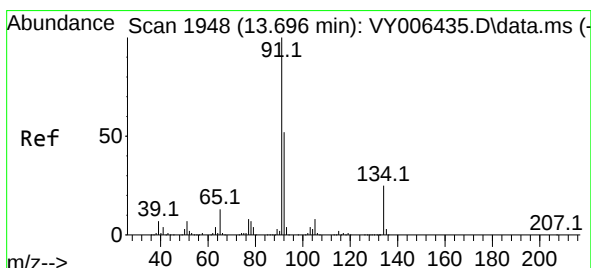
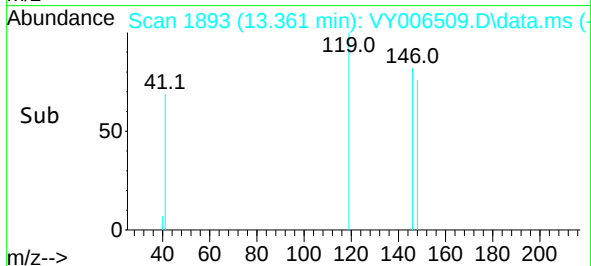
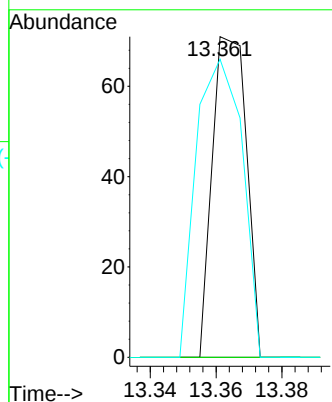


#88
1,4-Dichlorobenzene
Concen: 1.101 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.085 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

Instrument :
MSVOA_Y
ClientSampleId :

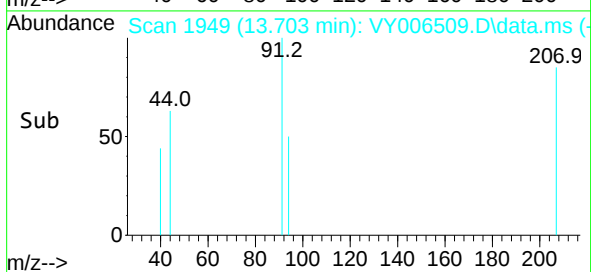
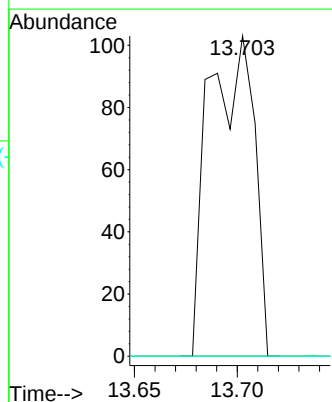
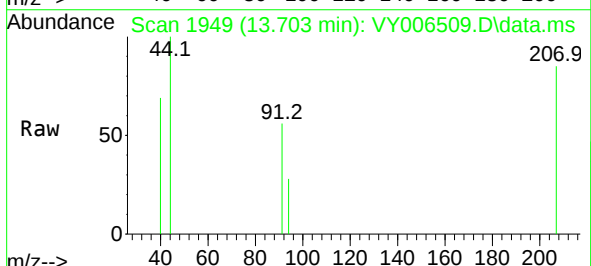


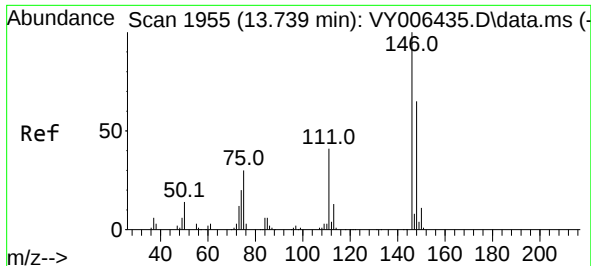
Tgt Ion:146 Resp: 51
Ion Ratio Lower Upper
146 100
111 0.0 18.9 56.5#
148 125.5 32.0 96.2#



#89
n-Butylbenzene
Concen: 1.829 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

Tgt Ion: 91 Resp: 158
Ion Ratio Lower Upper
91 100
92 0.0 26.3 78.9#
134 0.0 12.9 38.7#

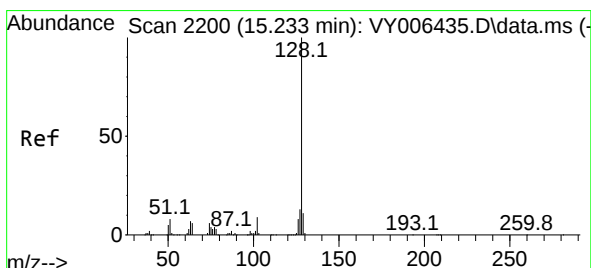
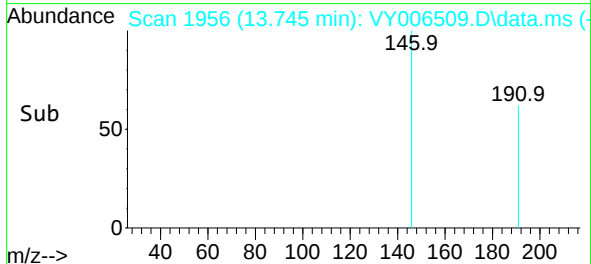
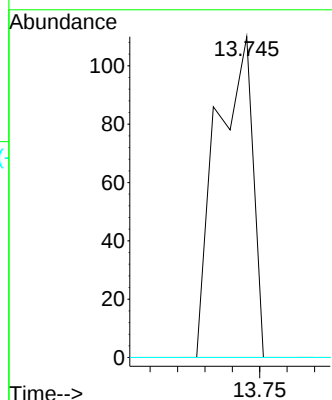
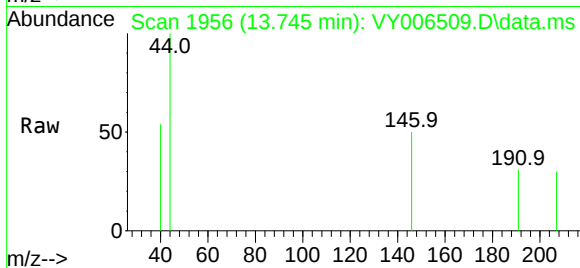




#91
1,2-Dichlorobenzene
Concen: 2.421 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:146 Resp: 100
Ion Ratio Lower Upper
146 100
111 0.0 20.1 60.3#
148 0.0 31.9 95.7#



#95
Naphthalene
Concen: 3.971 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY006509.D
Acq: 28 Oct 2021 12:38

Tgt Ion:128 Resp: 212
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.9 13.3#

