

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110121\
 Data File : VY006553.D
 Acq On : 01 Nov 2021 15:43
 Operator : SY/MD
 Sample : M4428-01
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 02 03:30:09 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)

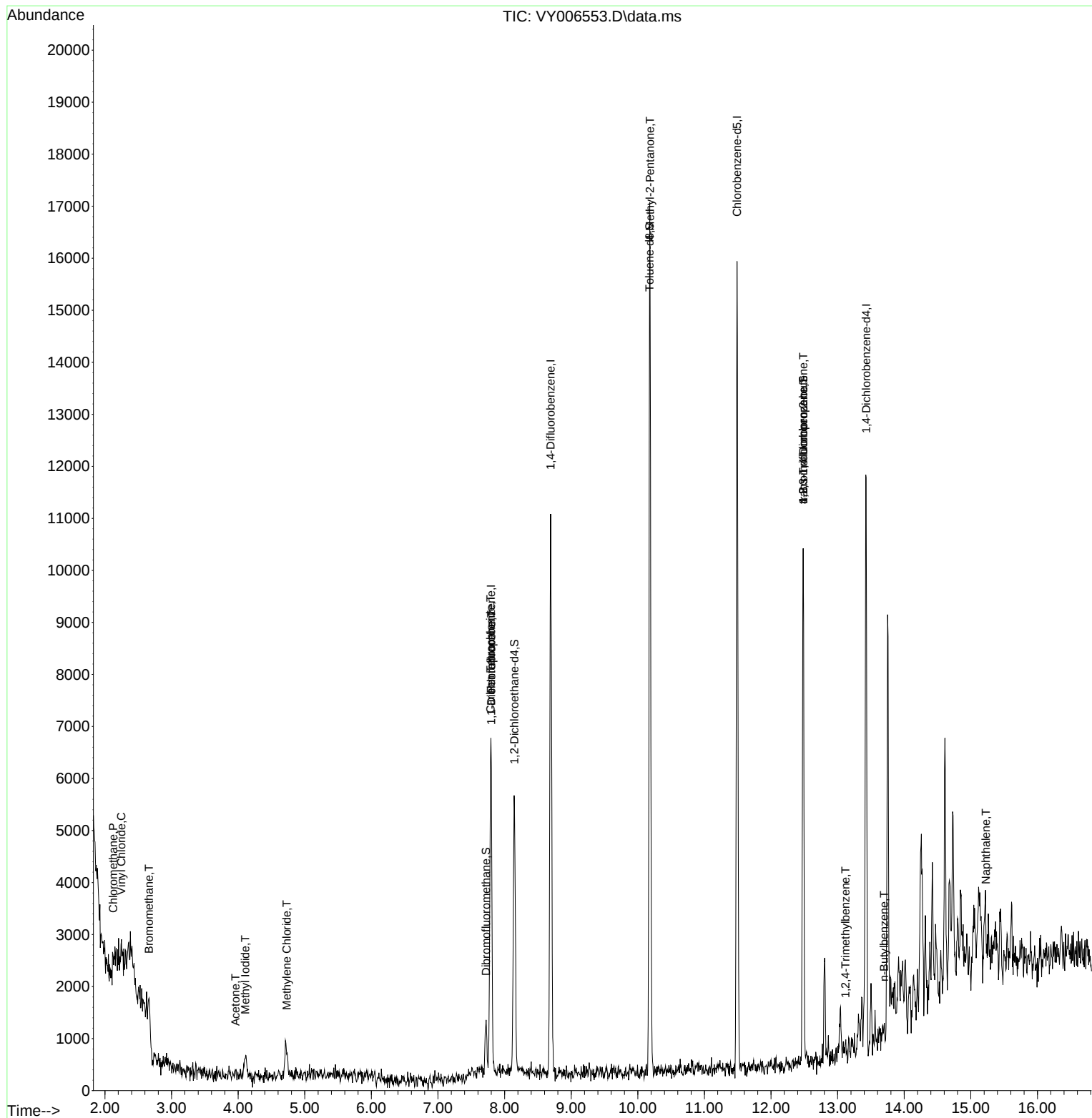
Internal Standards						
1) Pentafluorobenzene	7.795	168	4749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	8500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	7785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	4341	74.282	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 148.560%	
35) Dibromofluoromethane	7.722	113	653	13.783	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 27.560%#	
50) Toluene-d8	10.179	98	10382	51.694	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.380%	
62) 4-Bromofluorobenzene	12.483	95	3098	45.792	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.580%	
Target Compounds						
						Qvalue
3) Chloromethane	2.125	50	253	4.270	ug/l #	43
4) Vinyl Chloride	2.247	62	98	1.481	ug/l #	44
5) Bromomethane	2.662	94	263	5.965	ug/l	99
10) Methyl Iodide	4.107	142	771	19.874	ug/l #	65
16) Acetone	3.960	43	46	2.734	ug/l #	46
20) Methylene Chloride	4.728	84	319	2.260	ug/l #	66
36) 1,1-Dichloropropene	7.801	75	482	5.739	ug/l #	42
38) Carbon Tetrachloride	7.789	117	300	3.238	ug/l #	12
51) 4-Methyl-2-Pentanone	10.185	43	90	1.665	ug/l #	65
76) 1,2,3-Trichloropropane	12.483	75	1693	62.564	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1693	128.442	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	163	1.060	ug/l	93
89) n-Butylbenzene	13.696	91	177	1.111	ug/l #	72
95) Naphthalene	15.227	128	264	2.682	ug/l #	68

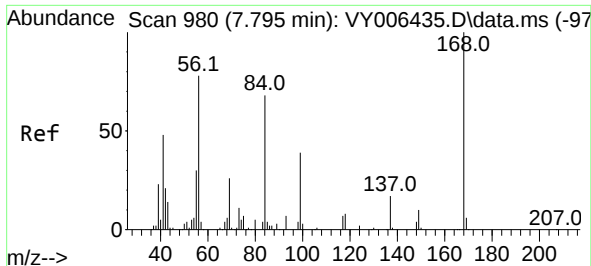
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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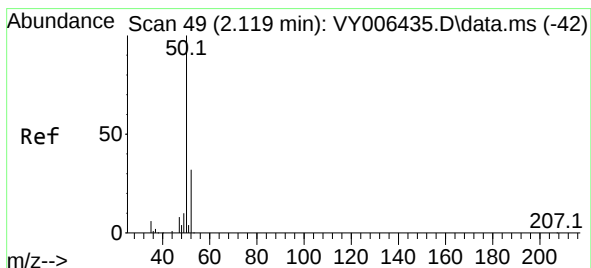
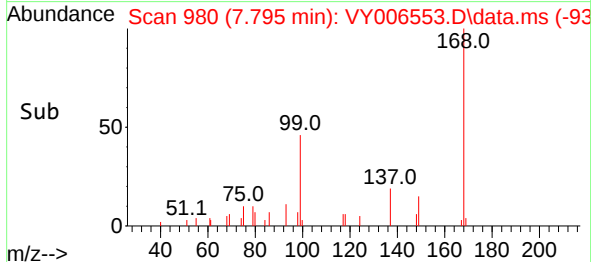
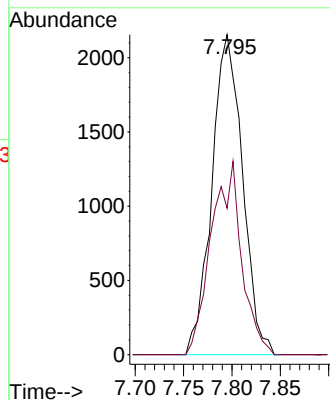
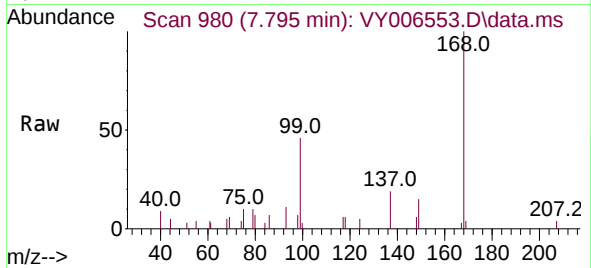




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY006553.D
Acq: 01 Nov 2021 15:43

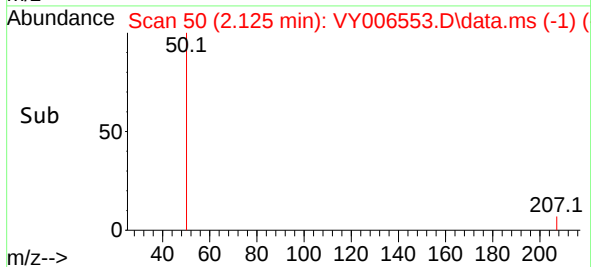
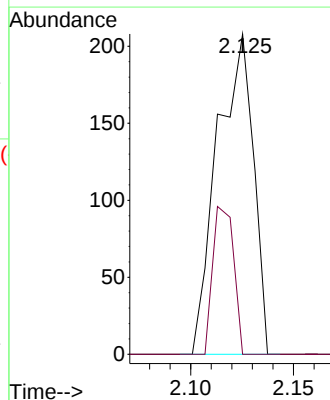
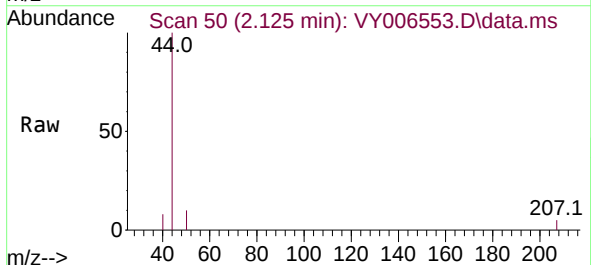
Instrument :
MSVOA_Y
ClientSampleId :

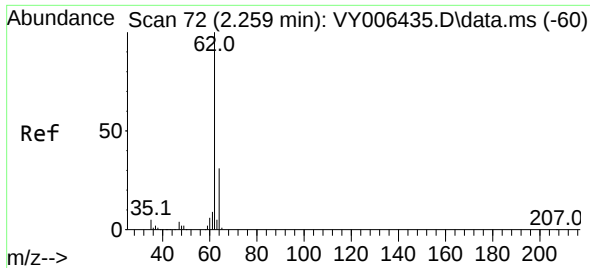
Tgt Ion:168 Resp: 4749
Ion Ratio Lower Upper
168 100
99 45.8 44.8 67.2



#3
Chloromethane
Concen: 4.270 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY006553.D
Acq: 01 Nov 2021 15:43

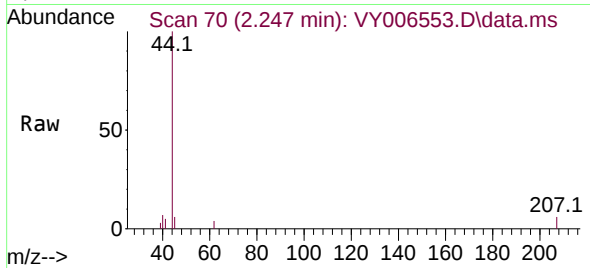
Tgt Ion: 50 Resp: 253
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



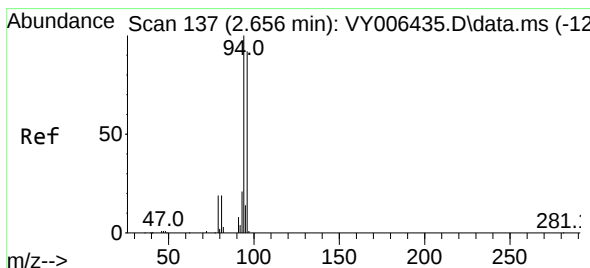
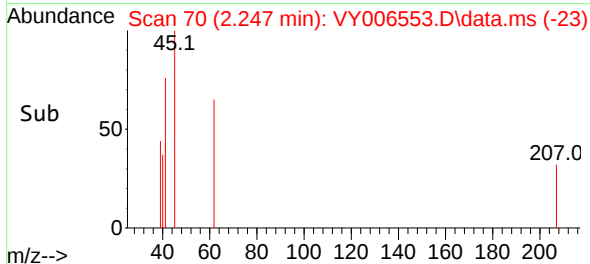
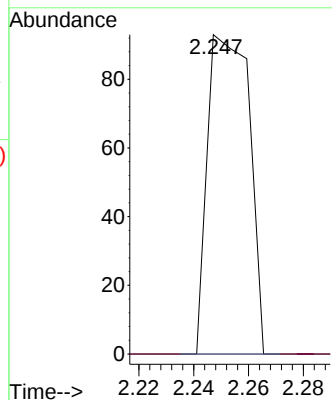


#4
 Vinyl Chloride
 Concen: 1.481 ug/l
 RT: 2.247 min Scan# 70
 Delta R.T. -0.012 min
 Lab File: VY006553.D
 Acq: 01 Nov 2021 15:43

Instrument :
 MSVOA_Y
 ClientSampleId :

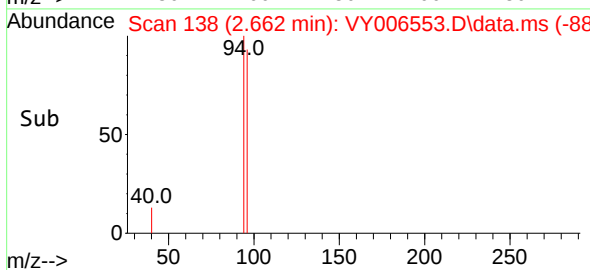
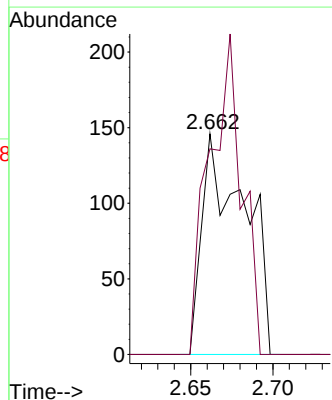
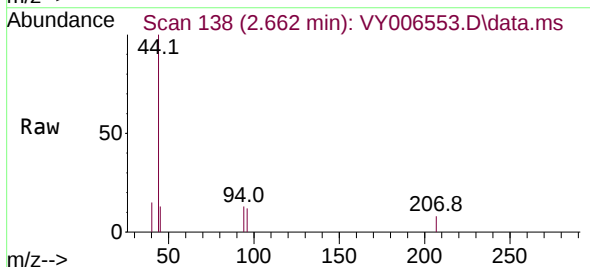


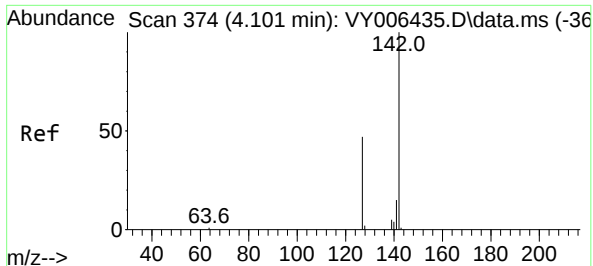
Tgt Ion: 62 Resp: 98
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.7 37.1#



#5
 Bromomethane
 Concen: 5.965 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.006 min
 Lab File: VY006553.D
 Acq: 01 Nov 2021 15:43

Tgt Ion: 94 Resp: 263
 Ion Ratio Lower Upper
 94 100
 96 93.2 73.5 110.3





#10

Methyl Iodide

Concen: 19.874 ug/l

RT: 4.107 min Scan# 31

Delta R.T. 0.006 min

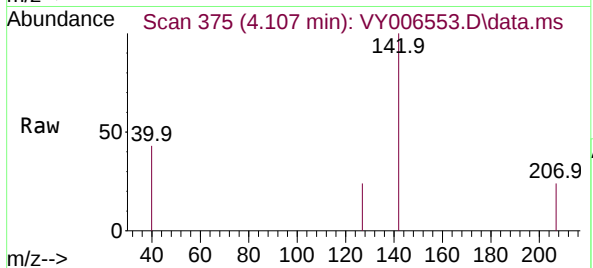
Lab File: VY006553.D

Acq: 01 Nov 2021 15:43

Instrument :

MSVOA_Y

ClientSampleId :



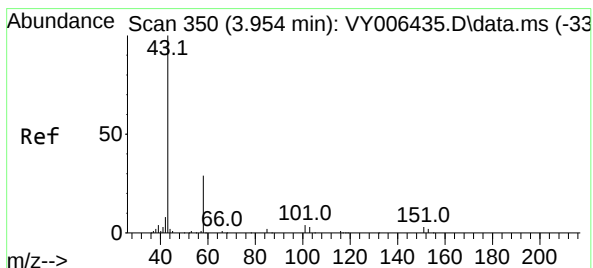
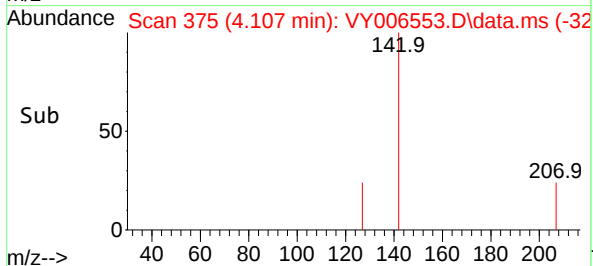
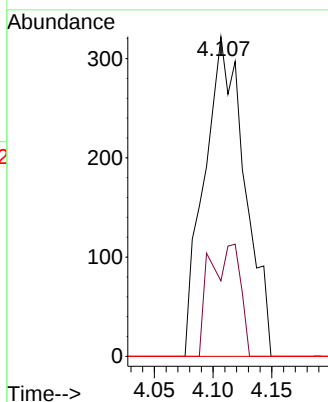
Tgt Ion:142 Resp: 771

Ion Ratio Lower Upper

142 100

127 26.5 40.1 60.1#

141 0.0 12.5 18.7#



#16

Acetone

Concen: 2.734 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY006553.D

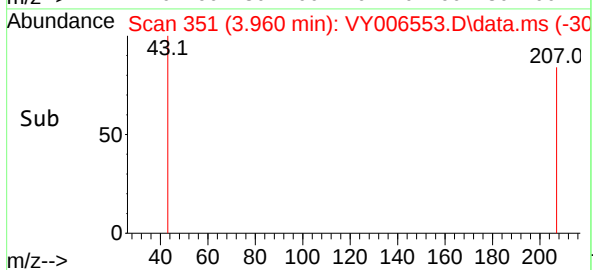
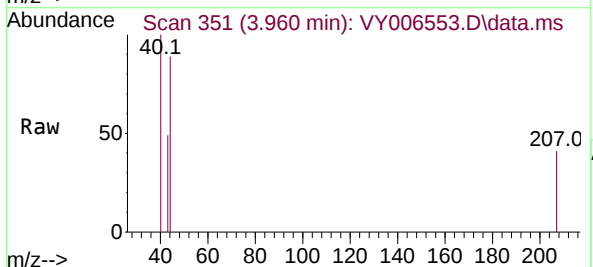
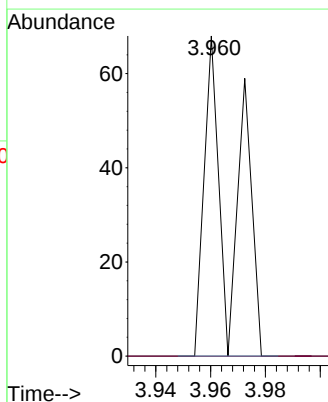
Acq: 01 Nov 2021 15:43

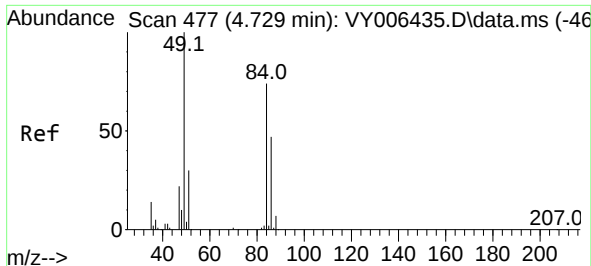
Tgt Ion: 43 Resp: 46

Ion Ratio Lower Upper

43 100

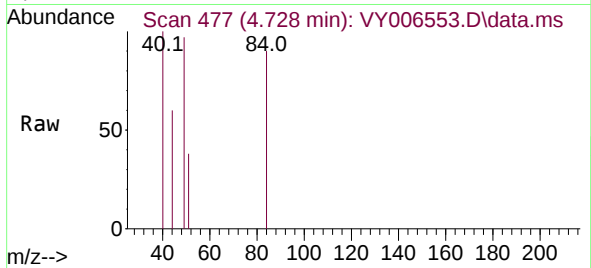
58 0.0 22.9 34.3#



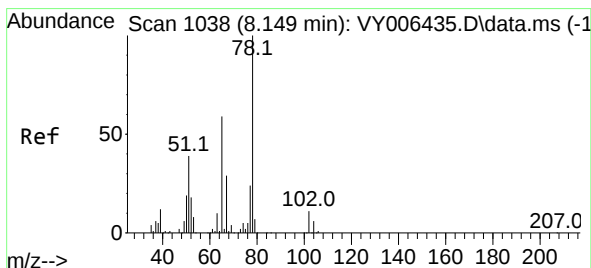
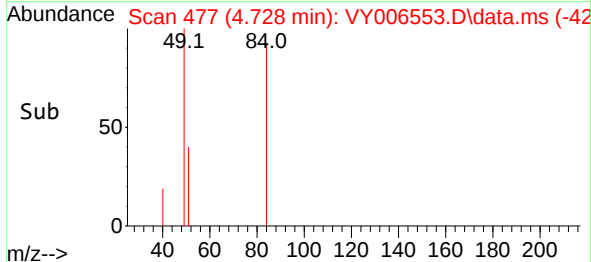
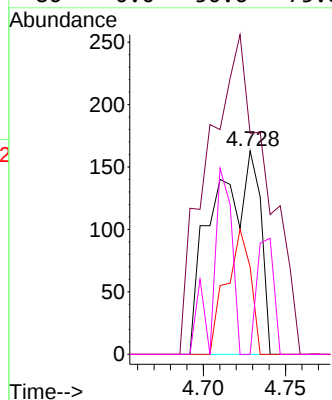


#20
Methylene Chloride
Concen: 2.260 ug/l
RT: 4.728 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY006553.D
Acq: 01 Nov 2021 15:43

Instrument :
MSVOA_Y
ClientSampleId :

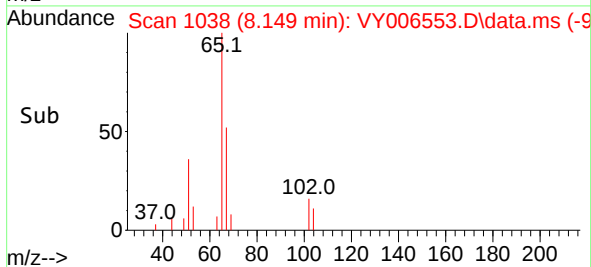
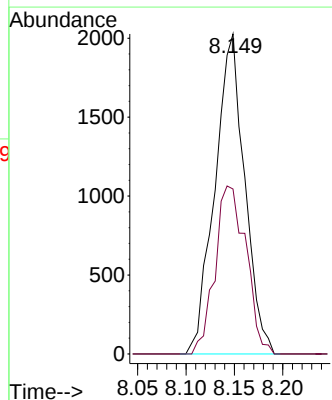
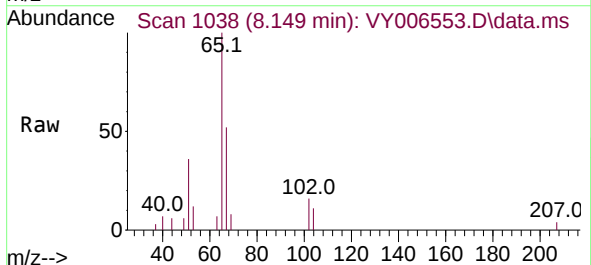


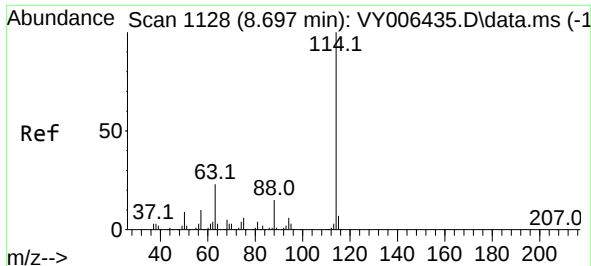
Tgt Ion: 84 Resp: 319
Ion Ratio Lower Upper
84 100
49 108.6 107.8 161.8
51 42.9 32.8 49.2
86 0.0 50.6 75.8#



#33
1,2-Dichloroethane-d4
Concen: 74.282 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY006553.D
Acq: 01 Nov 2021 15:43

Tgt Ion: 65 Resp: 4341
Ion Ratio Lower Upper
65 100
67 54.6 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

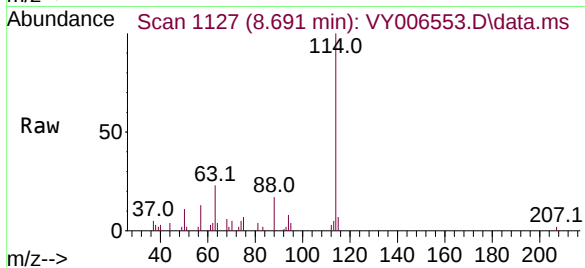
Lab File: VY006553.D

Acq: 01 Nov 2021 15:43

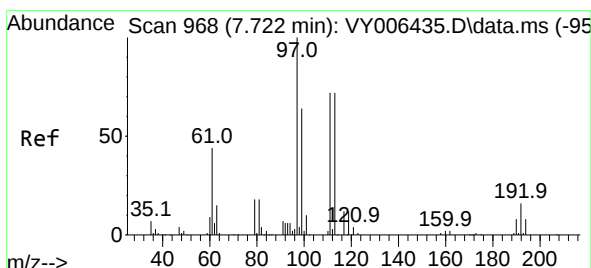
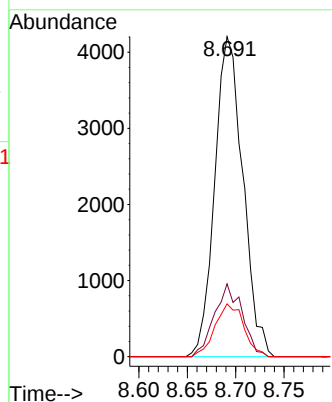
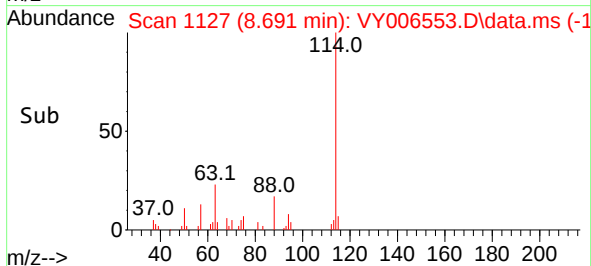
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:114	Resp:	8500
Ion	Ratio	Lower Upper
114	100	
63	22.8	0.0 45.0
88	16.5	0.0 30.6



#35

Dibromofluoromethane

Concen: 13.783 ug/l

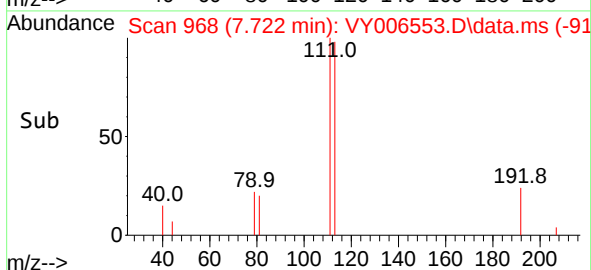
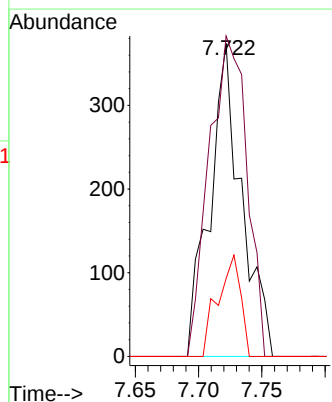
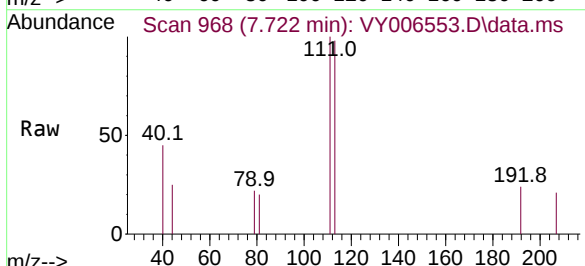
RT: 7.722 min Scan# 968

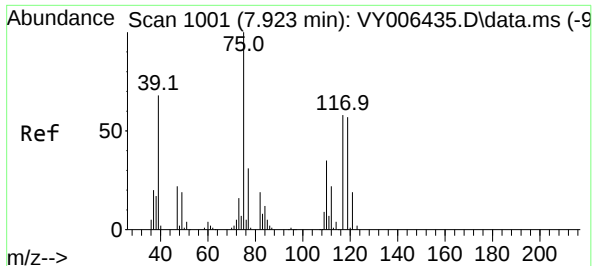
Delta R.T. -0.000 min

Lab File: VY006553.D

Acq: 01 Nov 2021 15:43

Tgt Ion:113	Resp:	653
Ion	Ratio	Lower Upper
113	100	
111	121.6	82.3 123.5
192	23.1	17.4 26.2





#36

1,1-Dichloropropene

Concen: 5.739 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY006553.D

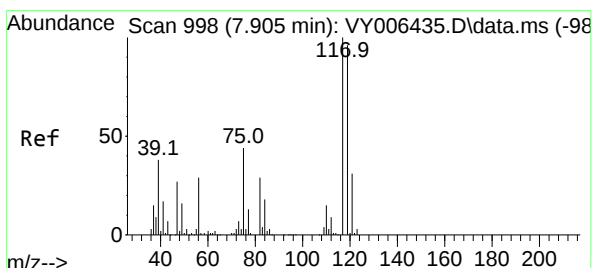
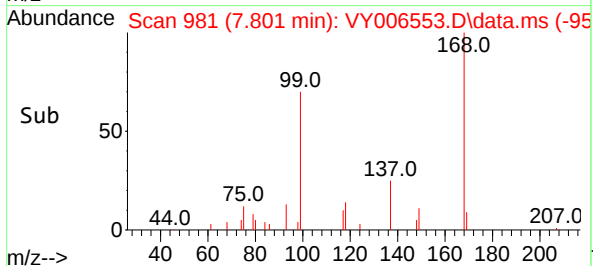
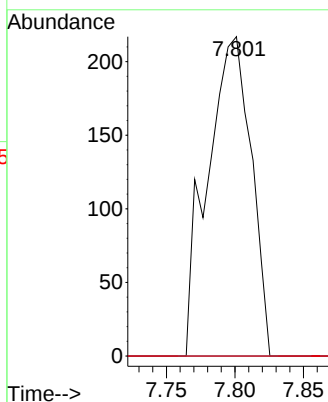
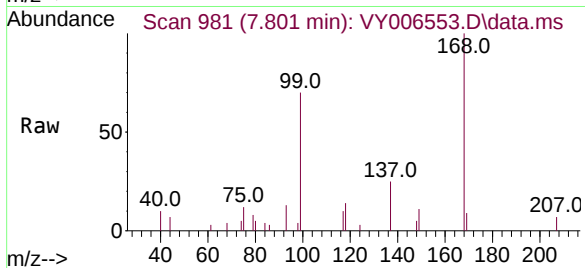
Acq: 01 Nov 2021 15:43

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 482
Ion Ratio	Lower Upper
75	100
110	0.0 17.1 51.3#
77	0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 3.238 ug/l

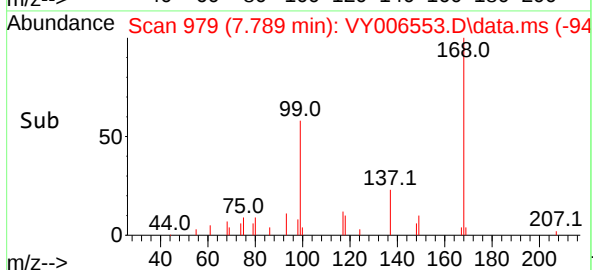
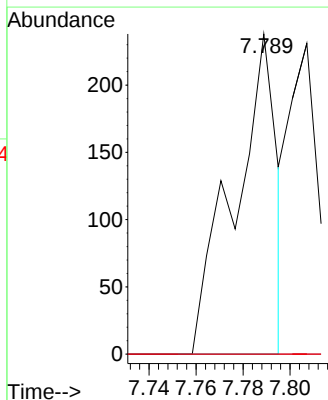
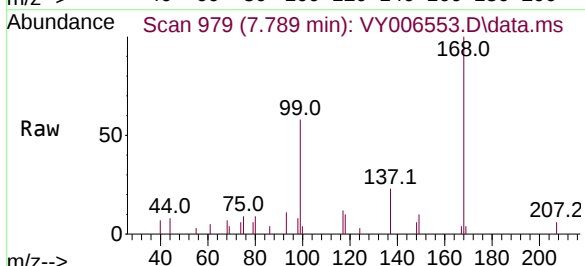
RT: 7.789 min Scan# 979

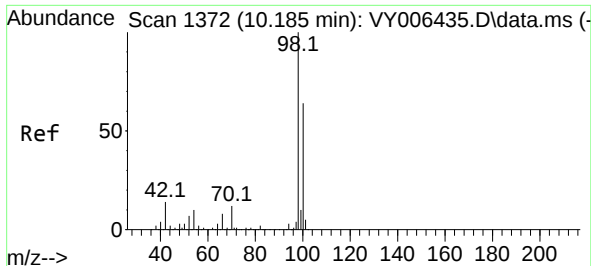
Delta R.T. -0.116 min

Lab File: VY006553.D

Acq: 01 Nov 2021 15:43

Tgt Ion: 117	Resp: 300
Ion Ratio	Lower Upper
117	100
119	0.0 76.6 115.0#
121	0.0 24.7 37.1#

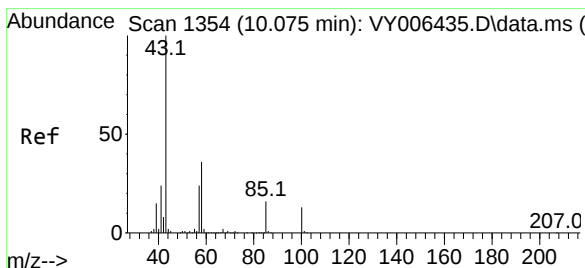
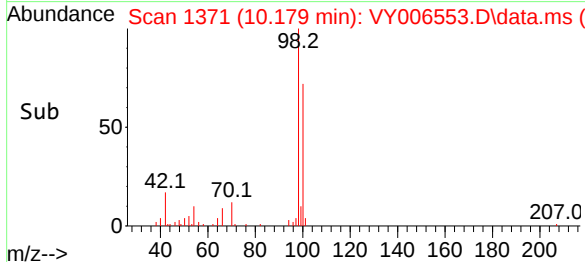
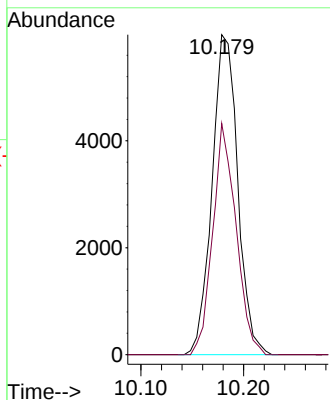
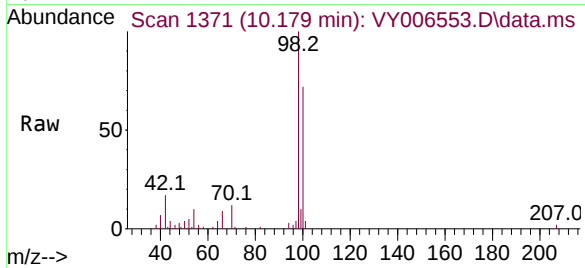




#50
Toluene-d8
Concen: 51.694 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY006553.D
Acq: 01 Nov 2021 15:43

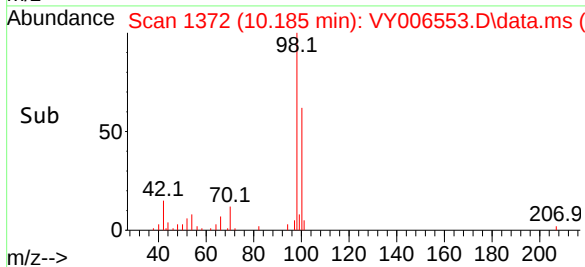
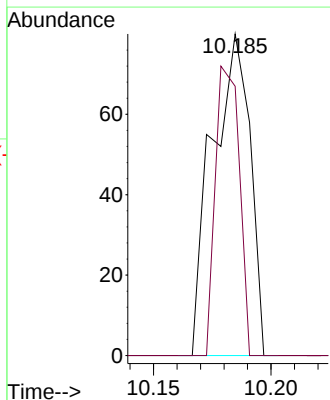
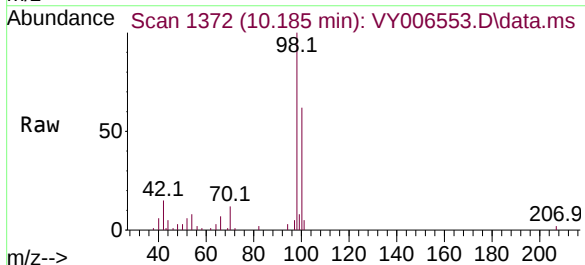
Instrument :
MSVOA_Y
ClientSampleId :

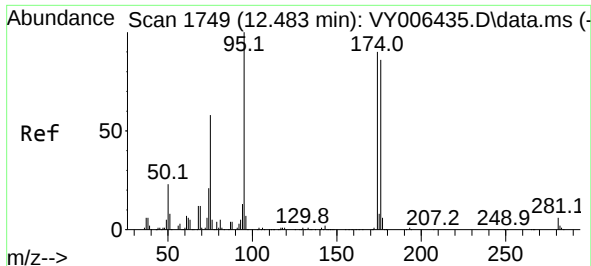
Tgt Ion: 98 Resp: 10382
Ion Ratio Lower Upper
98 100
100 65.5 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.665 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY006553.D
Acq: 01 Nov 2021 15:43

Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
58 56.7 28.7 43.1#

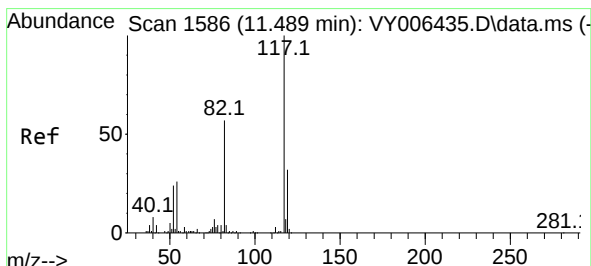
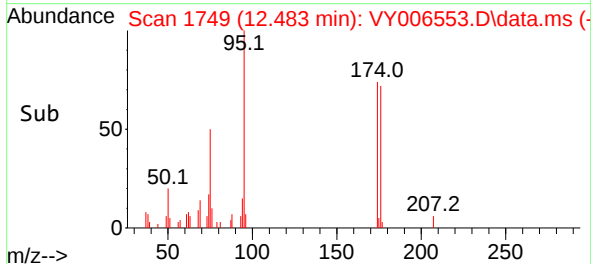
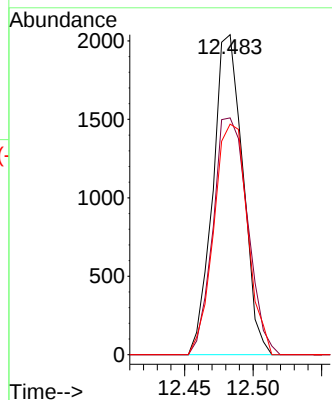
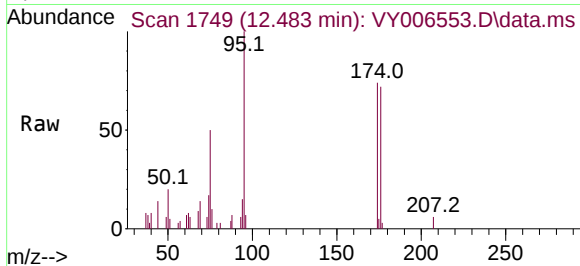




#62
4-Bromofluorobenzene
Concen: 45.792 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006553.D
Acq: 01 Nov 2021 15:43

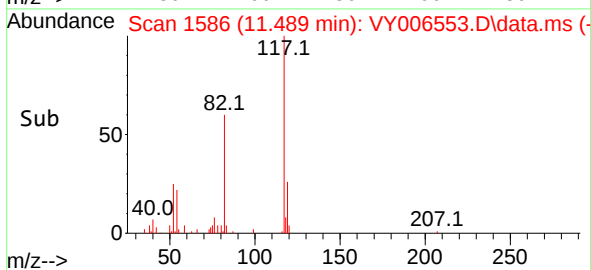
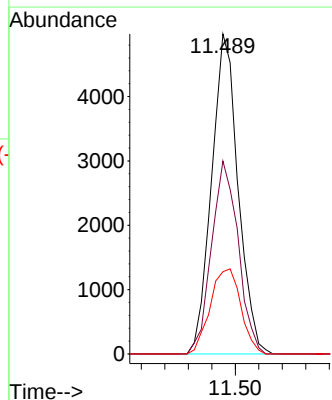
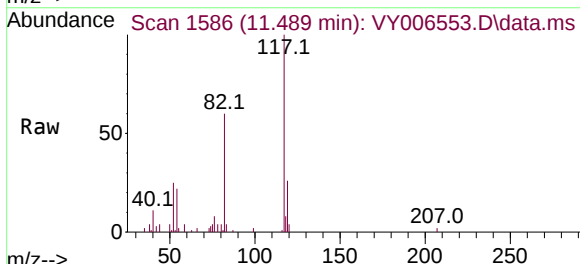
Instrument :
MSVOA_Y
ClientSampleId :

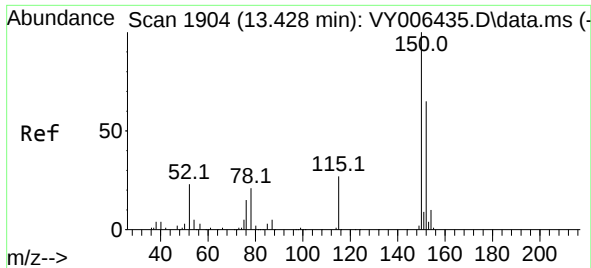
Tgt Ion:	95	Resp:	3098
Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	177.0
176	81.2	0.0	169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY006553.D
Acq: 01 Nov 2021 15:43

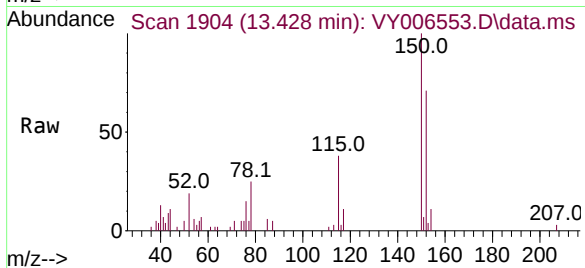
Tgt Ion:	117	Resp:	7785
Ion	Ratio	Lower	Upper
117	100		
82	60.3	45.7	68.5
119	25.7	25.5	38.3



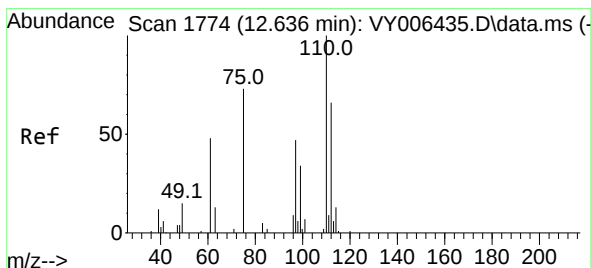
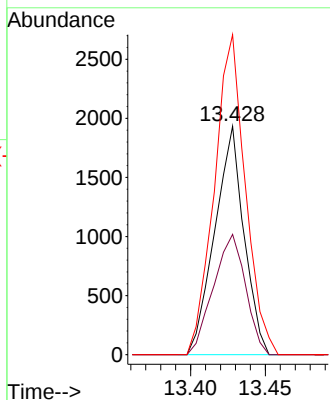
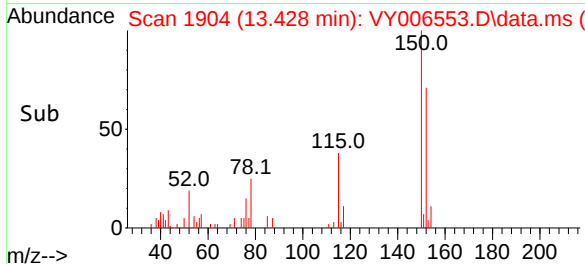


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY006553.D
 Acq: 01 Nov 2021 15:43

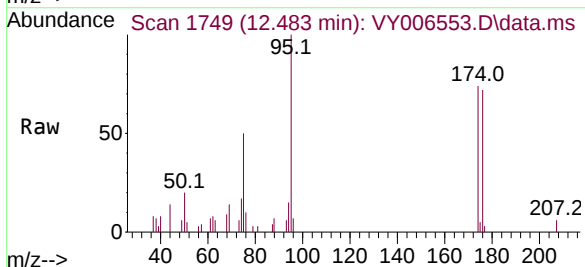
Instrument :
 MSVOA_Y
 ClientSampleId :



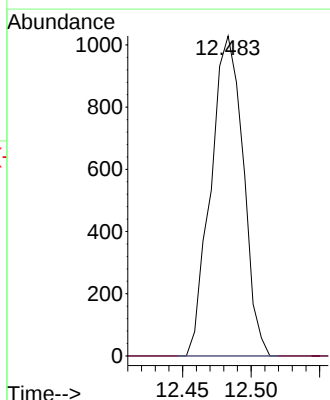
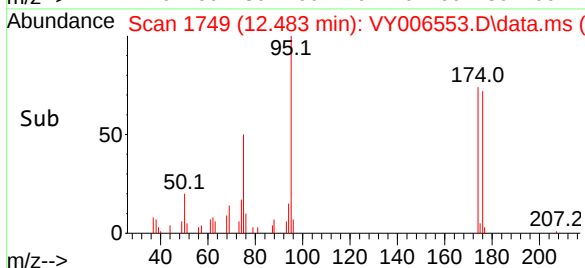
Tgt Ion:152 Resp: 2626
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.5 85.5
 150 148.5 0.0 348.2

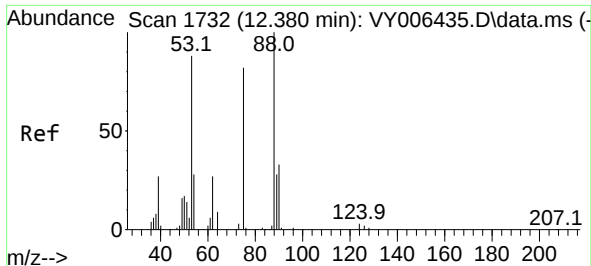


#76
 1,2,3-Trichloropropane
 Concen: 62.564 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY006553.D
 Acq: 01 Nov 2021 15:43



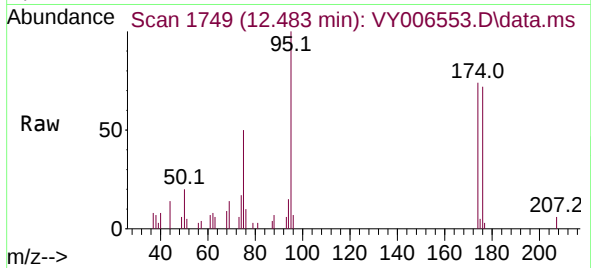
Tgt Ion: 75 Resp: 1693
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



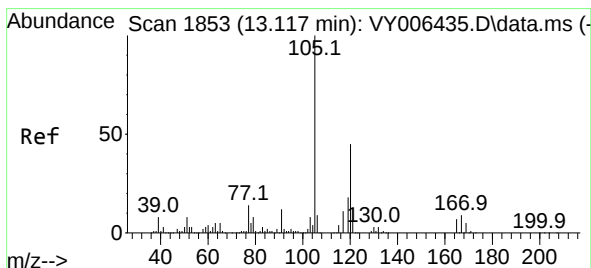
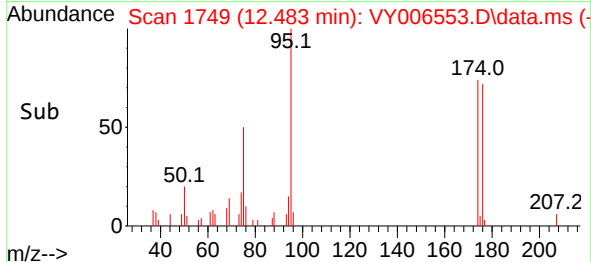
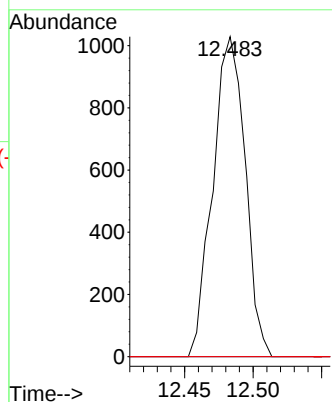


#81
trans-1,4-Dichloro-2-butene
Concen: 128.442 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006553.D
Acq: 01 Nov 2021 15:43

Instrument :
MSVOA_Y
ClientSampleId :

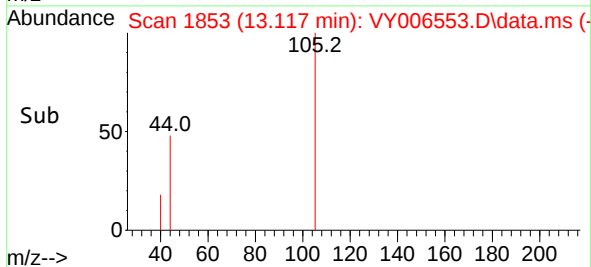
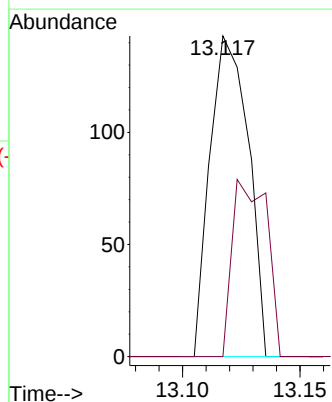
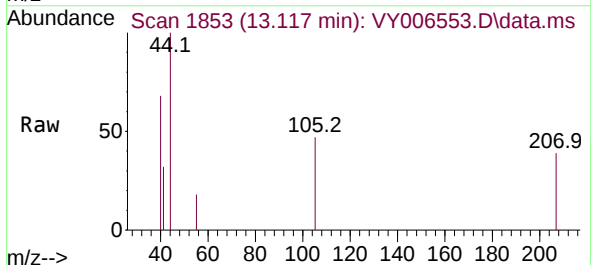


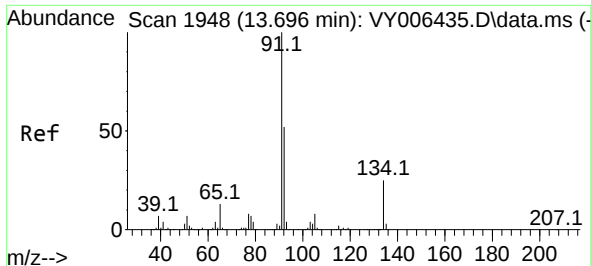
Tgt Ion: 75 Resp: 1693
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.060 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY006553.D
Acq: 01 Nov 2021 15:43

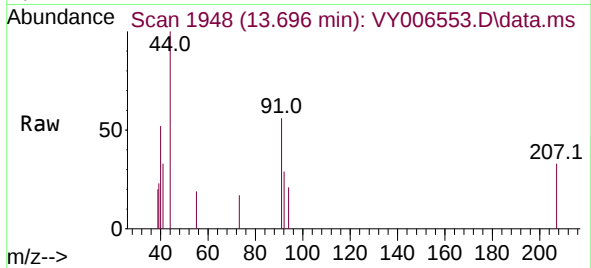
Tgt Ion: 105 Resp: 163
Ion Ratio Lower Upper
105 100
120 49.7 22.6 67.8



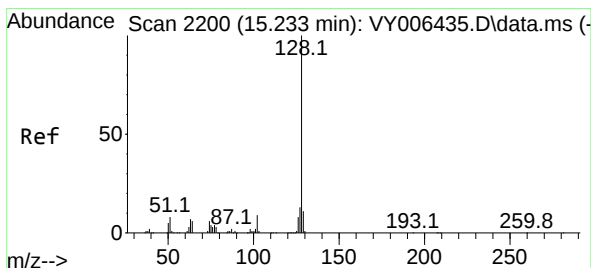
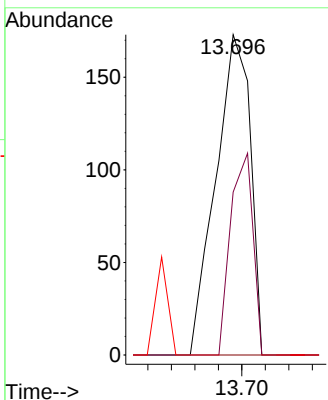
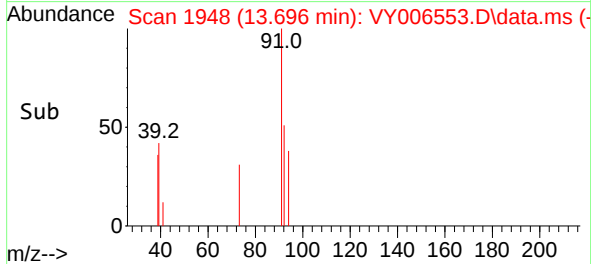


#89
n-Butylbenzene
Concen: 1.111 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY006553.D
Acq: 01 Nov 2021 15:43

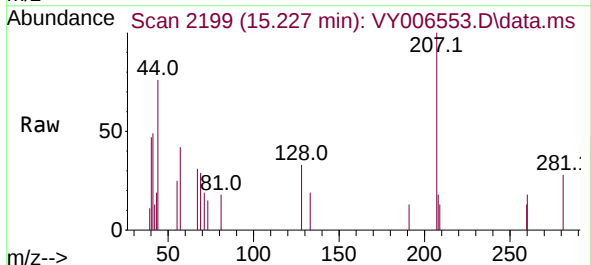
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 91 Resp: 177
Ion Ratio Lower Upper
91 100
92 40.7 26.3 78.9
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 2.682 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.006 min
Lab File: VY006553.D
Acq: 01 Nov 2021 15:43



Tgt Ion: 128 Resp: 264
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.9 13.3#

