

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080621\
 Data File : VY005579.D
 Acq On : 06 Aug 2021 18:30
 Operator : SY/MD
 Sample : M3295-02
 Misc : 3.91G/5ML/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 07 06:21:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	5881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	9300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	8527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2574	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	3951	66.369	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.740%	
35) Dibromofluoromethane	7.716	113	2037	39.122	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 78.240%	
50) Toluene-d8	10.179	98	11526	52.782	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.560%	
62) 4-Bromofluorobenzene	12.483	95	3915	54.139	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.280%	

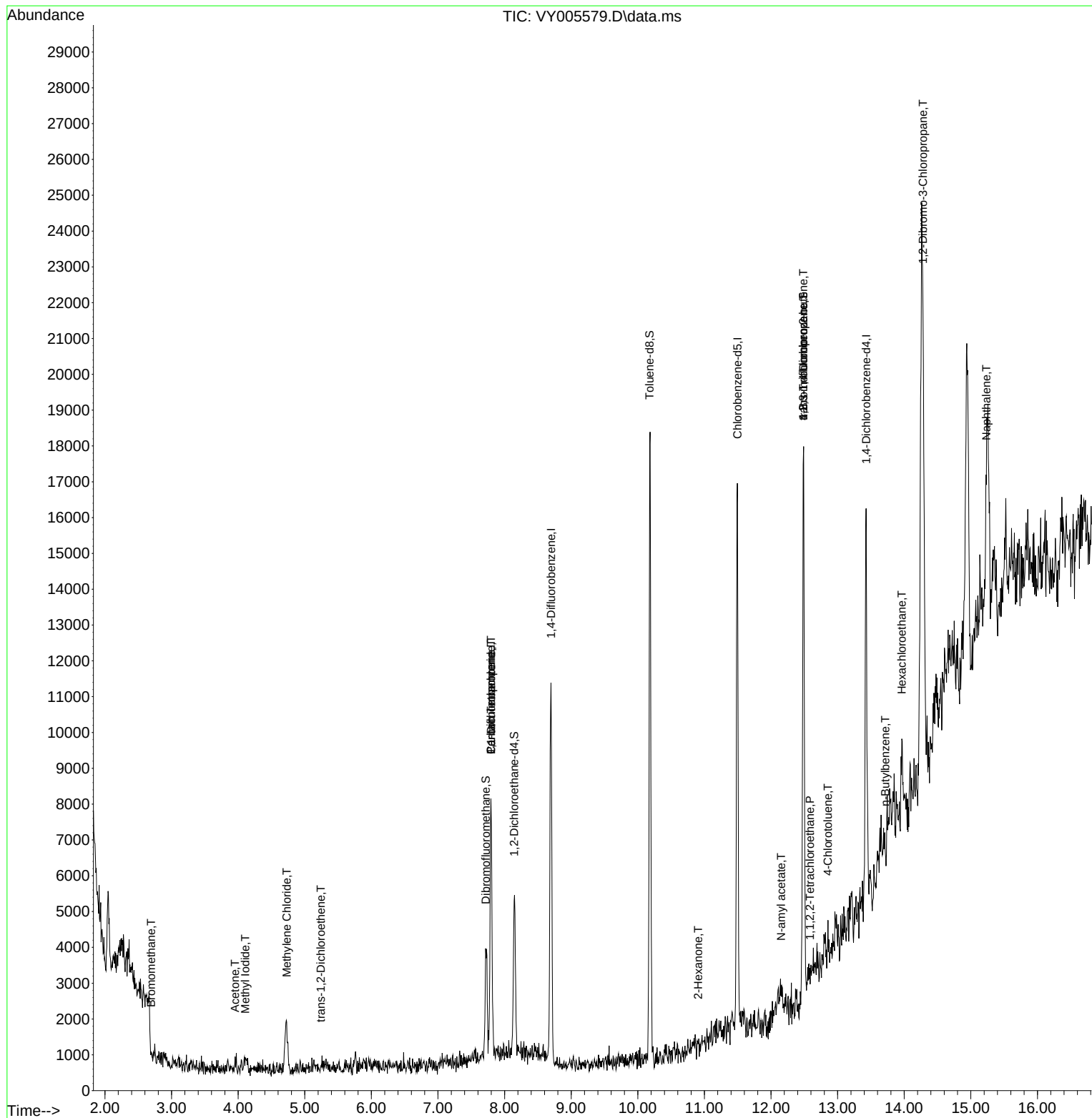
Target Compounds						Qvalue
5) Bromomethane	2.692	94	49	1.077	ug/l #	2
10) Methyl Iodide	4.107	142	549	8.780	ug/l #	86
16) Acetone	3.954	43	61	4.064	ug/l #	45
20) Methylene Chloride	4.729	84	999	12.209	ug/l #	83
21) trans-1,2-Dichloroethene	5.241	96	72	1.271	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	356	4.081	ug/l #	41
38) Carbon Tetrachloride	7.795	117	530	5.591	ug/l #	13
59) 2-Hexanone	10.904	43	43	1.155	ug/l #	25
74) N-amyl acetate	12.154	43	104	1.923	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.587	83	240	6.945	ug/l #	30
76) 1,2,3-Trichloropropane	12.483	75	1744	65.382	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1744	131.801	ug/l #	13
82) 4-Chlorotoluene	12.855	91	263	2.121	ug/l #	40
89) n-Butylbenzene	13.715	91	331	2.205	ug/l #	39
90) Hexachloroethane	13.965	117	67	2.249	ug/l #	3
92) 1,2-Dibromo-3-Chloropr...	14.282	75	131	19.997	ug/l #	21
95) Naphthalene	15.233	128	380	3.688	ug/l #	77

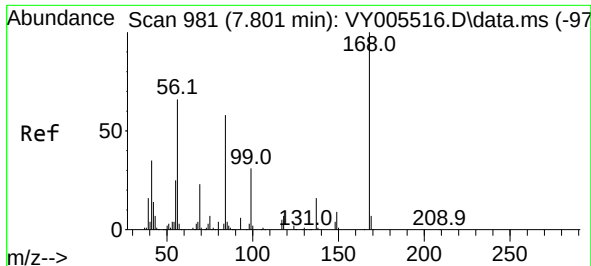
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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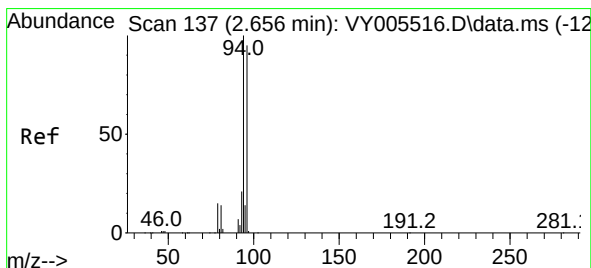
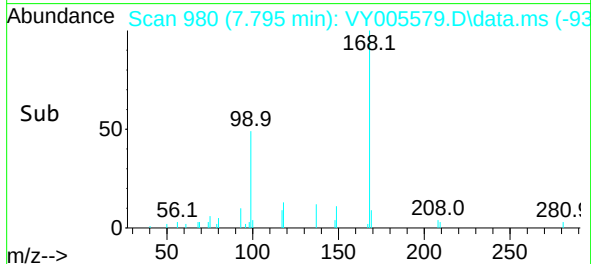
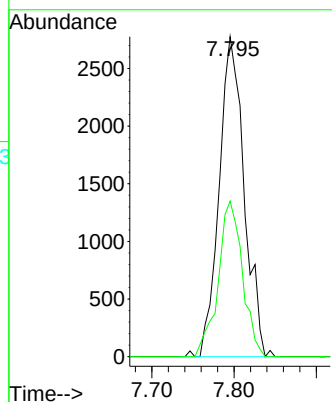
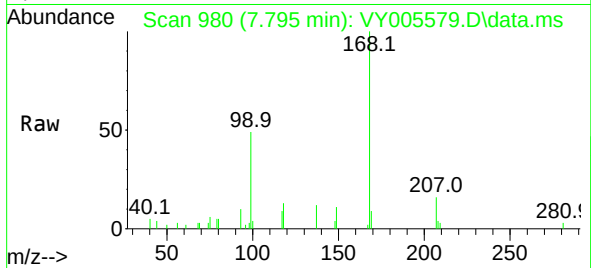




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

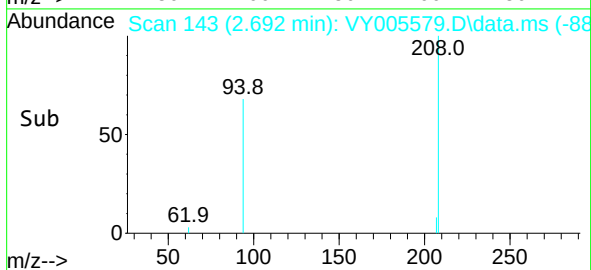
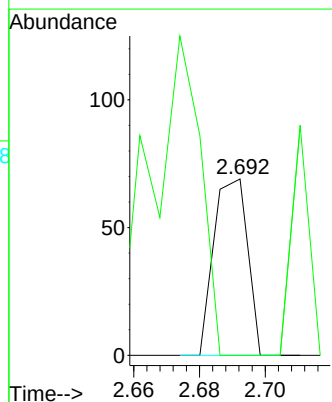
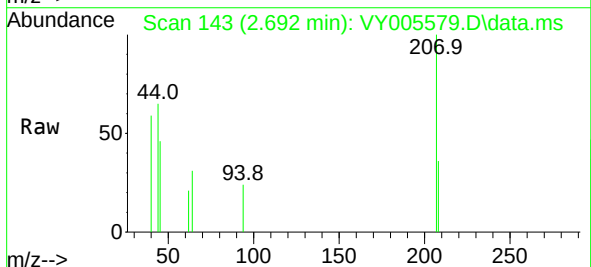
Instrument :
MSVOA_Y
ClientSampleId :

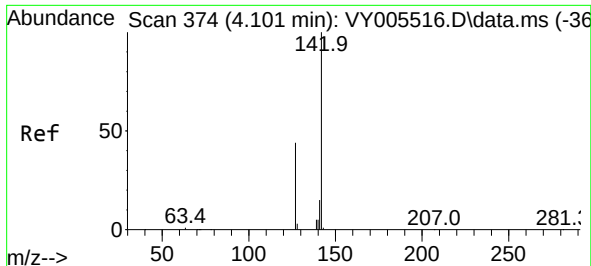
Tgt Ion:168 Resp: 5881
Ion Ratio Lower Upper
168 100
99 48.6 38.9 58.3



#5
Bromomethane
Concen: 1.077 ug/l
RT: 2.692 min Scan# 143
Delta R.T. 0.037 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

Tgt Ion: 94 Resp: 49
Ion Ratio Lower Upper
94 100
96 0.0 75.7 113.5#





#10

Methyl Iodide

Concen: 8.780 ug/l

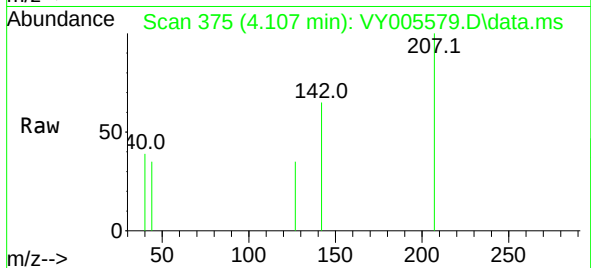
RT: 4.107 min Scan# 375

Delta R.T. 0.006 min

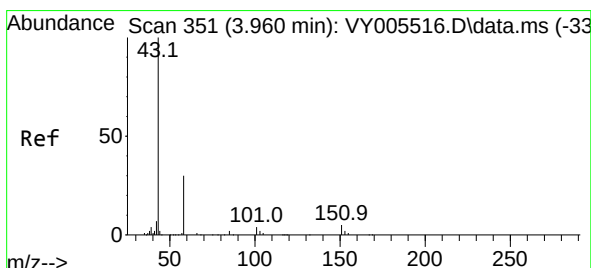
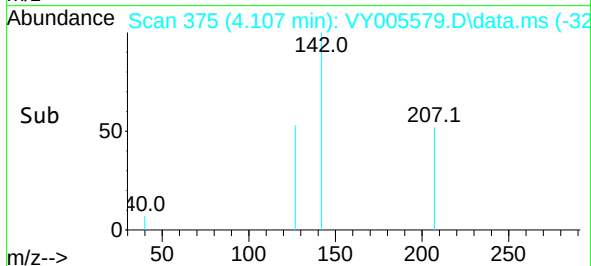
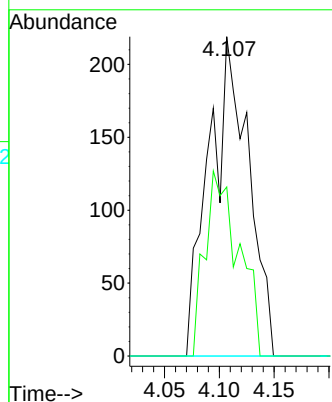
Lab File: VY005579.D

Acq: 06 Aug 2021 18:30

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	142	Resp:	549
Ion	Ratio	Lower	Upper
142	100		
127	49.7	36.6	54.8
141	0.0	12.2	18.4#



#16

Acetone

Concen: 4.064 ug/l

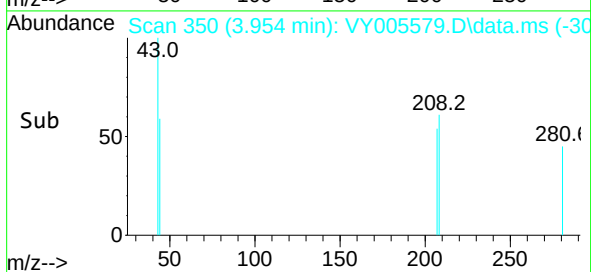
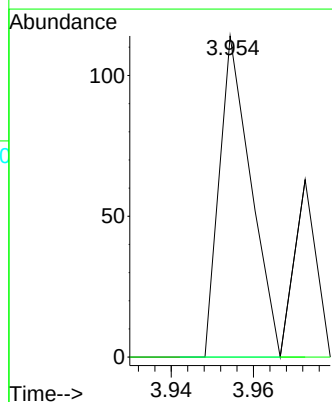
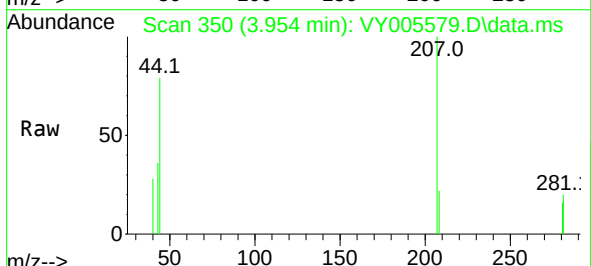
RT: 3.954 min Scan# 350

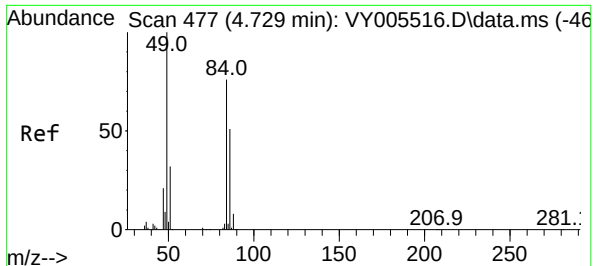
Delta R.T. -0.006 min

Lab File: VY005579.D

Acq: 06 Aug 2021 18:30

Tgt Ion:	43	Resp:	61
Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.8	35.6#



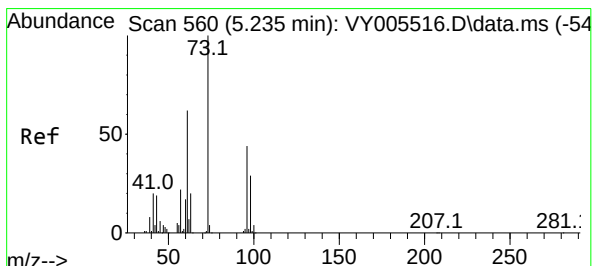
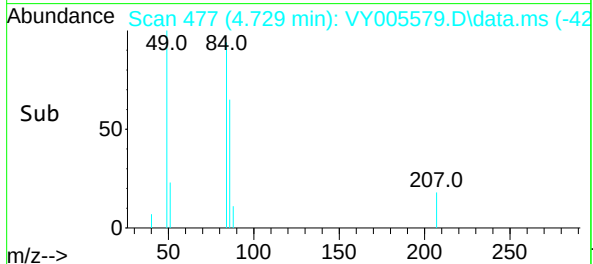
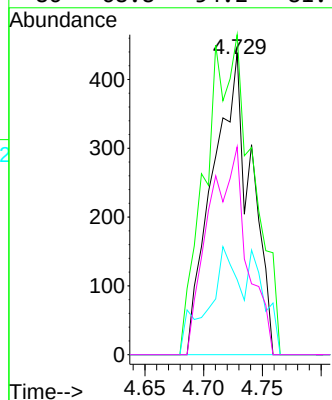
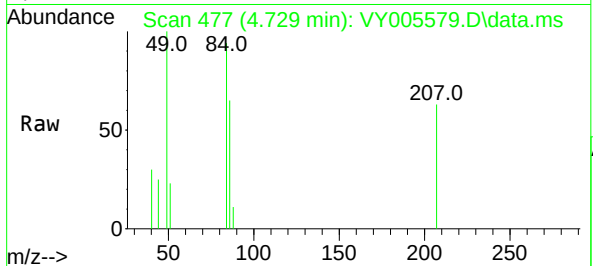


#20
Methylene Chloride
Concen: 12.209 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 999

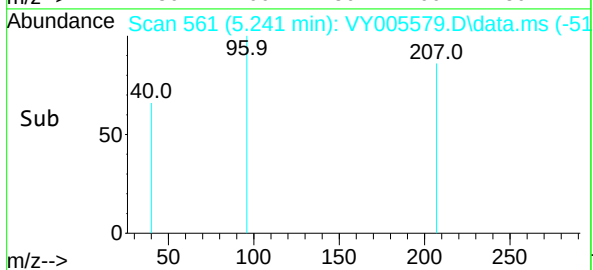
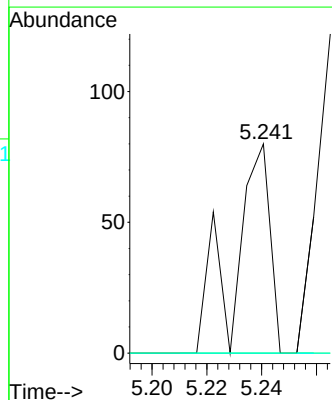
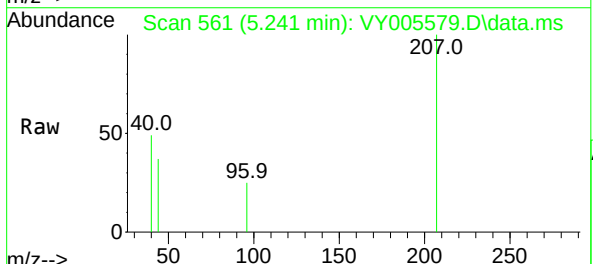
Ion	Ratio	Lower	Upper
84	100		
49	105.9	105.8	158.6
51	24.8	33.4	50.2#
86	68.8	54.2	81.4

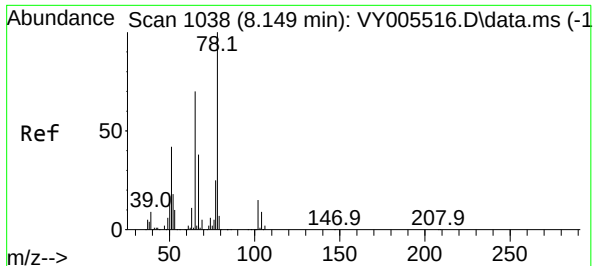


#21
trans-1,2-Dichloroethene
Concen: 1.271 ug/l
RT: 5.241 min Scan# 561
Delta R.T. 0.006 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

Tgt Ion: 96 Resp: 72

Ion	Ratio	Lower	Upper
96	100		
61	0.0	112.6	168.8#
98	0.0	52.2	78.4#

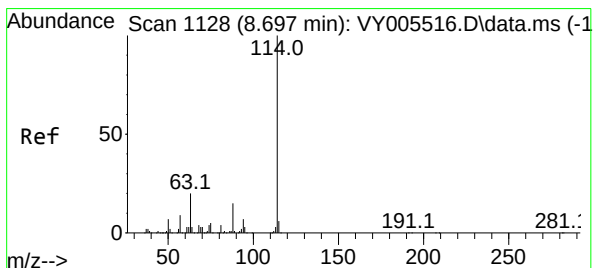
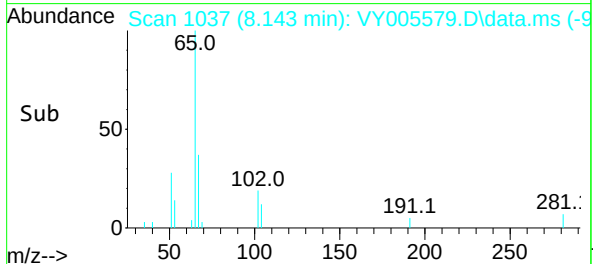
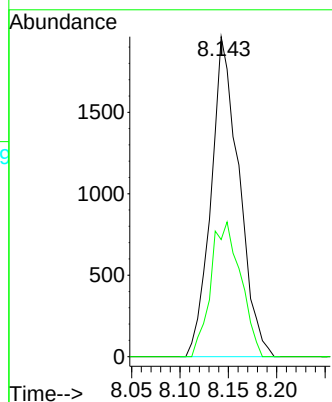
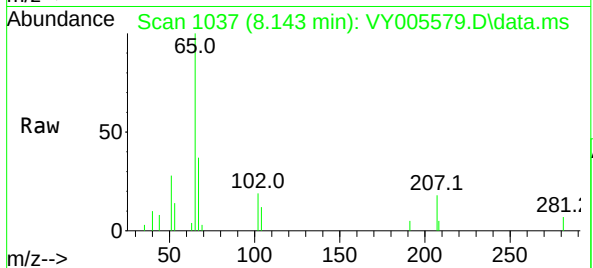




#33
 1,2-Dichloroethane-d4
 Concen: 66.369 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.006 min
 Lab File: VY005579.D
 Acq: 06 Aug 2021 18:30

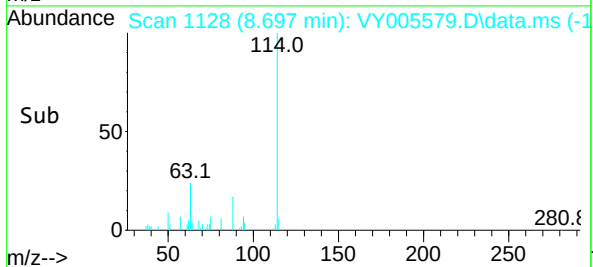
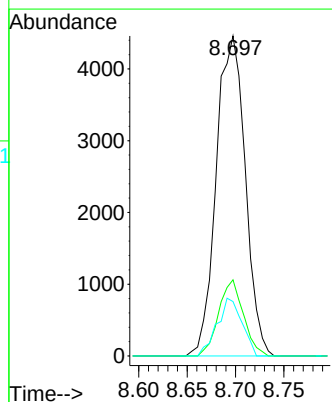
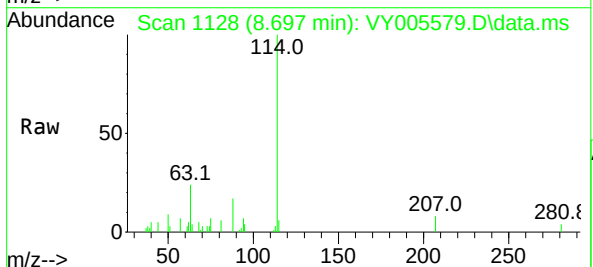
Instrument :
 MSVOA_Y
 ClientSampleId :

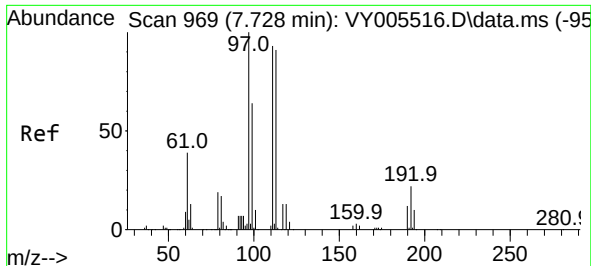
Tgt Ion: 65 Resp: 3951
 Ion Ratio Lower Upper
 65 100
 67 45.1 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY005579.D
 Acq: 06 Aug 2021 18:30

Tgt Ion: 114 Resp: 9300
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 39.2
 88 17.0 0.0 30.8

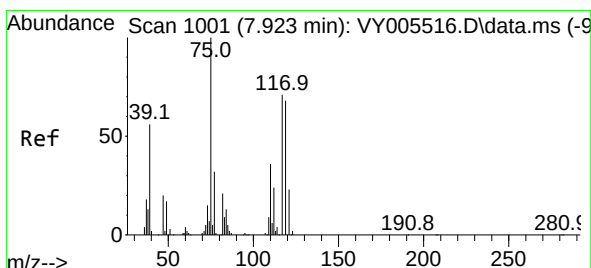
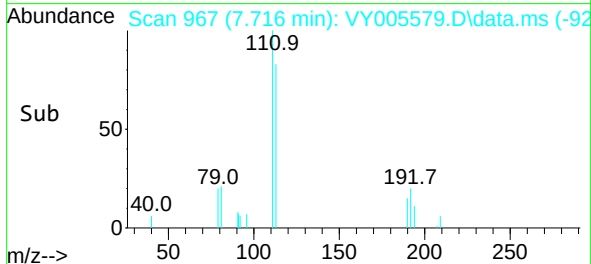
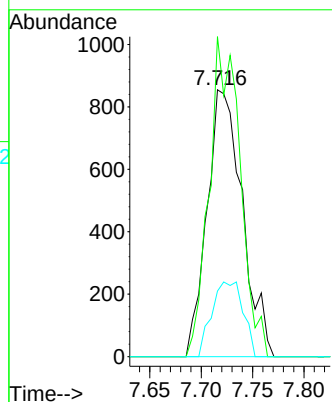
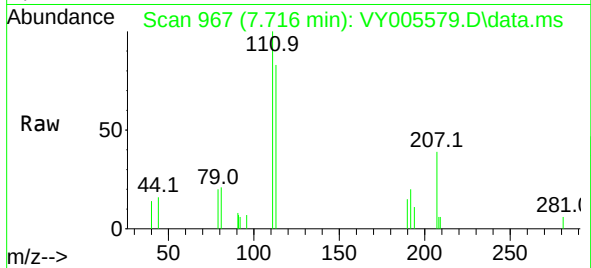




#35
Dibromofluoromethane
Concen: 39.122 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.012 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

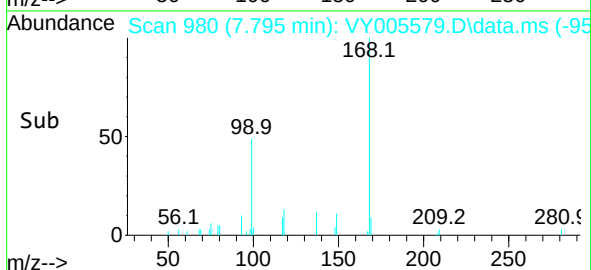
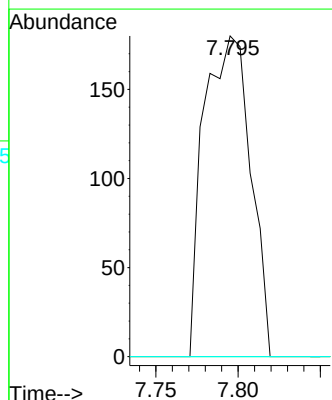
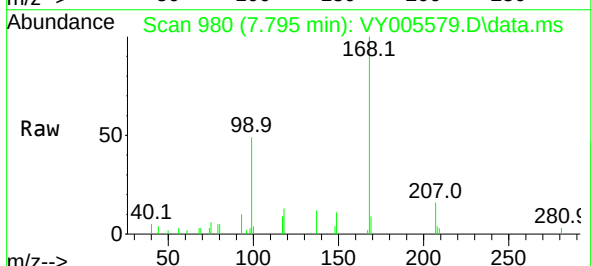
Instrument :
MSVOA_Y
ClientSampleId :

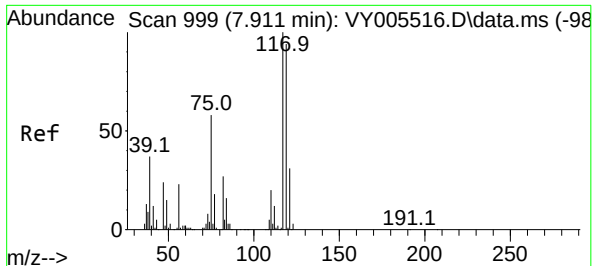
Tgt Ion:	113	Resp:	2037
Ion	Ratio	Lower	Upper
113	100		
111	105.2	81.9	122.9
192	24.8	19.2	28.8



#36
1,1-Dichloropropene
Concen: 4.081 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

Tgt Ion:	75	Resp:	356
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	0.0	25.1	37.7#

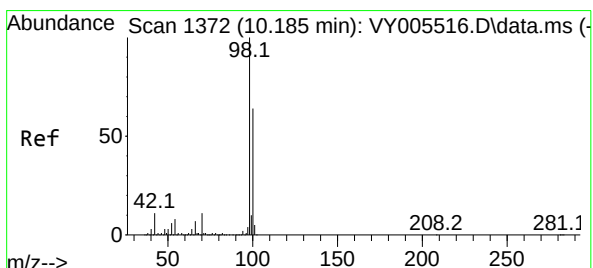
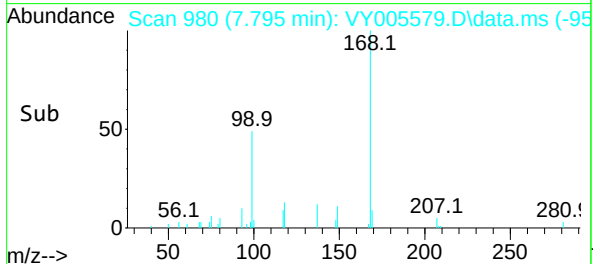
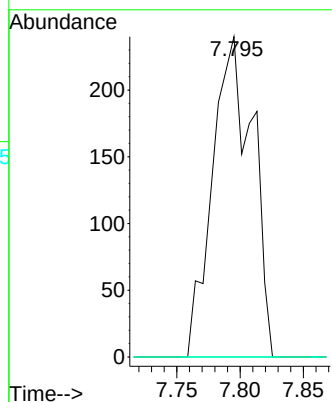
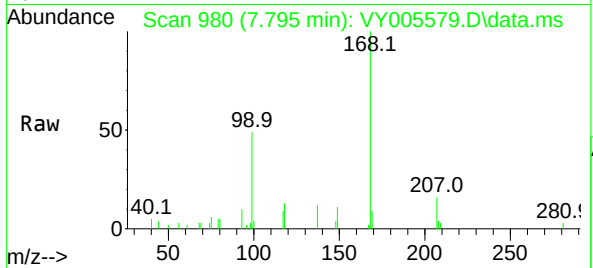




#38
Carbon Tetrachloride
Concen: 5.591 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

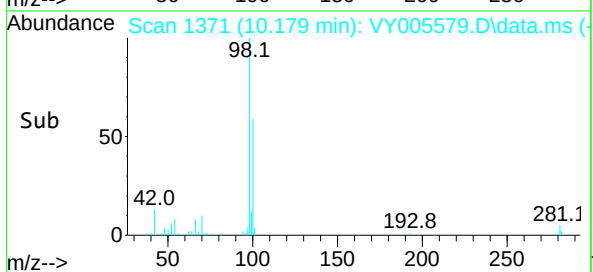
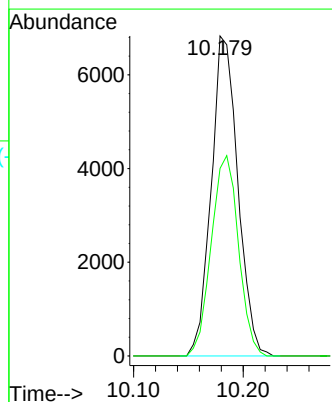
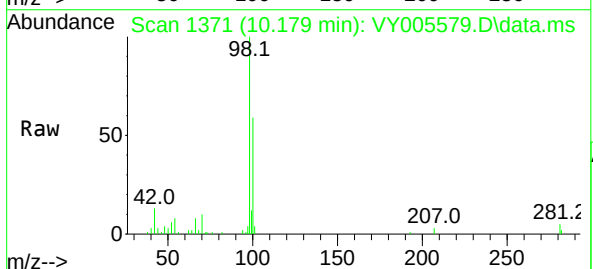
Instrument :
MSVOA_Y
ClientSampleId :

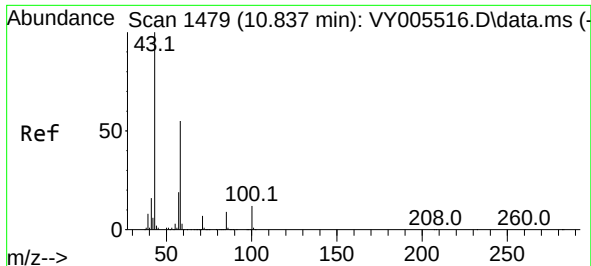
Tgt Ion:117 Resp: 530
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 52.782 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

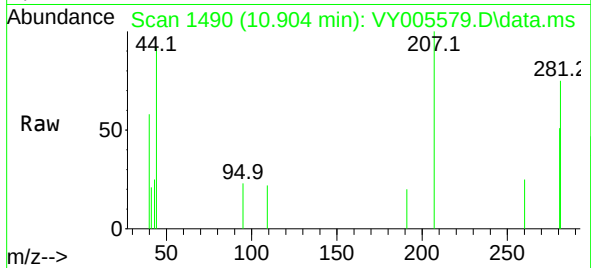
Tgt Ion: 98 Resp: 11526
Ion Ratio Lower Upper
98 100
100 64.0 51.3 76.9



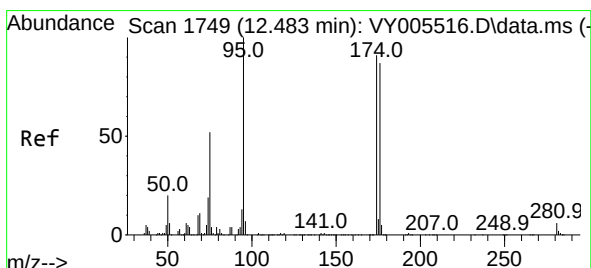
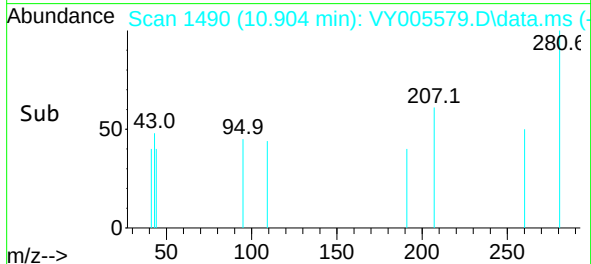
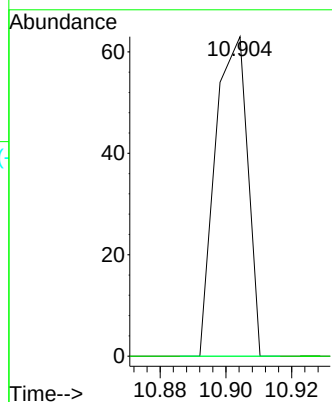


#59
2-Hexanone
Concen: 1.155 ug/l
RT: 10.904 min Scan# 1490
Delta R.T. 0.067 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

Instrument :
MSVOA_Y
ClientSampled :

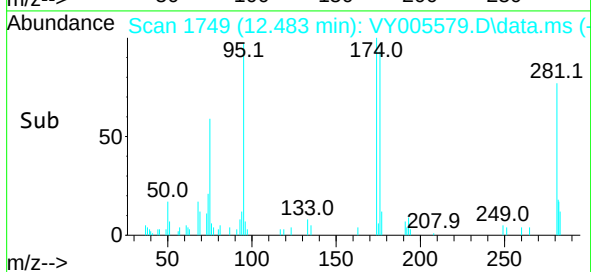
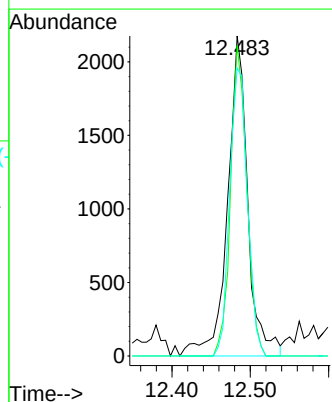
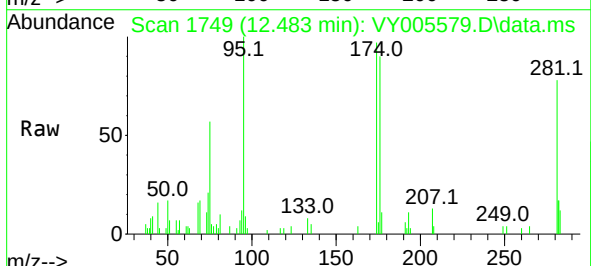


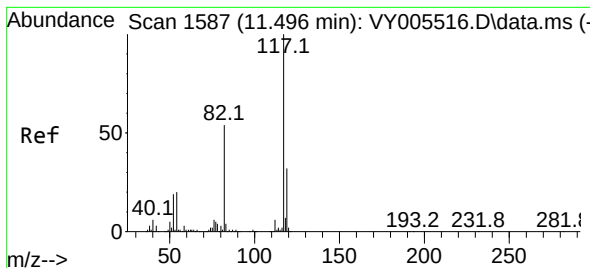
Tgt Ion: 43 Resp: 43
Ion Ratio Lower Upper
43 100
58 0.0 27.1 81.2#



#62
4-Bromofluorobenzene
Concen: 54.139 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

Tgt Ion: 95 Resp: 3915
Ion Ratio Lower Upper
95 100
174 77.6 0.0 191.4
176 78.7 0.0 183.6

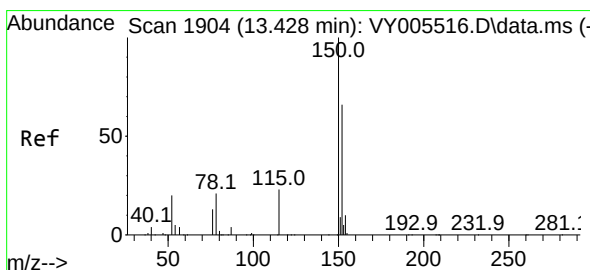
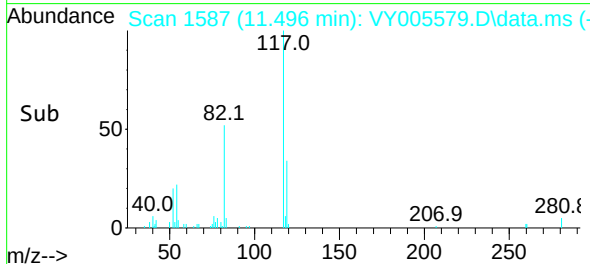
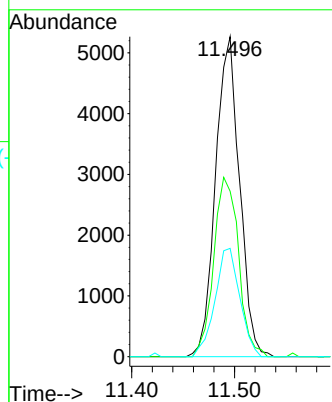
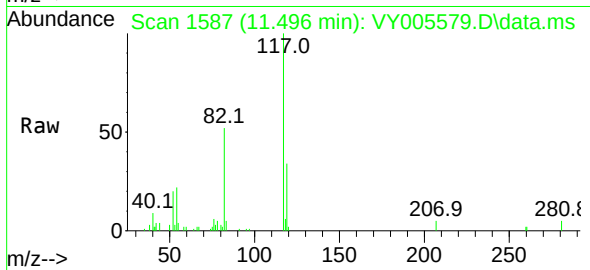




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

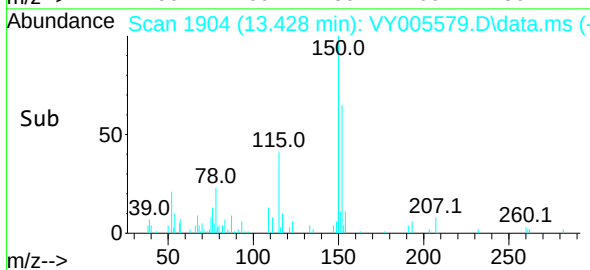
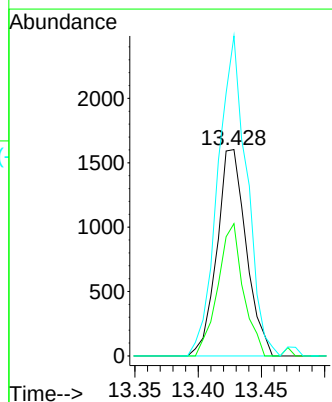
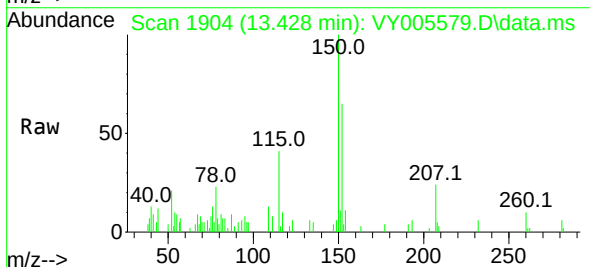
Instrument :
MSVOA_Y
ClientSampleId :

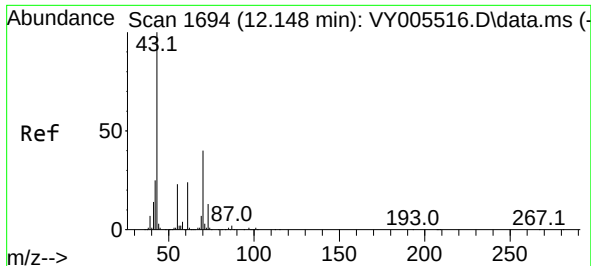
Tgt Ion:	117	Resp:	8527
Ion	Ratio	Lower	Upper
117	100		
82	51.7	43.5	65.3
119	33.9	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

Tgt Ion:	152	Resp:	2574
Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.3	81.9
150	153.8	0.0	350.2

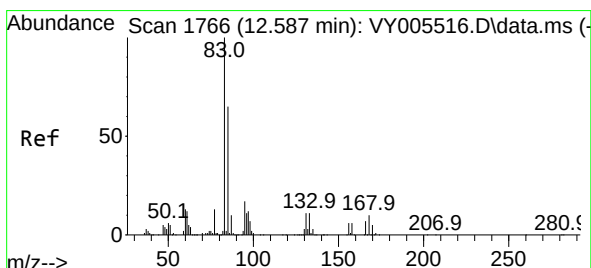
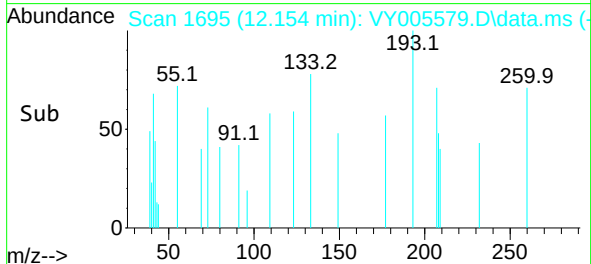
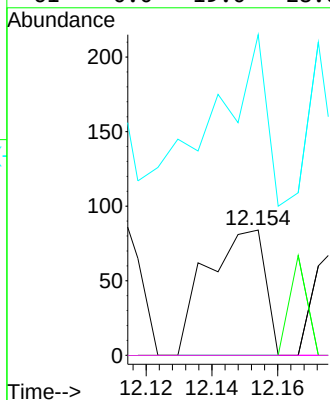
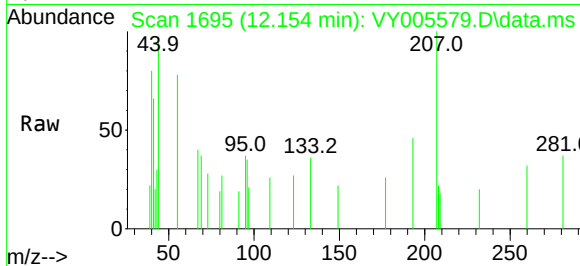




#74
N-amy1 acetate
Concen: 1.923 ug/l
RT: 12.154 min Scan# 1695
Delta R.T. 0.006 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

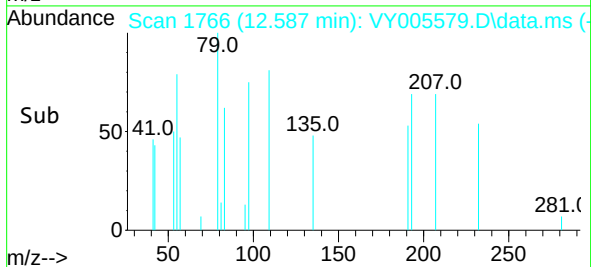
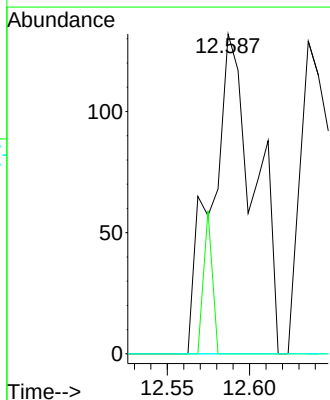
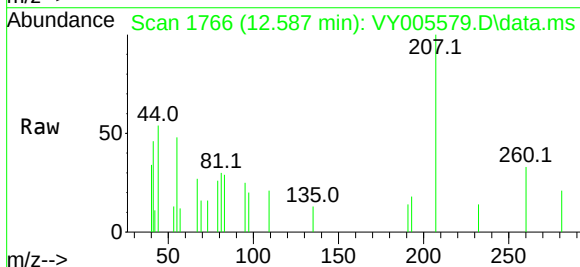
Instrument :
MSVOA_Y
ClientSampled :

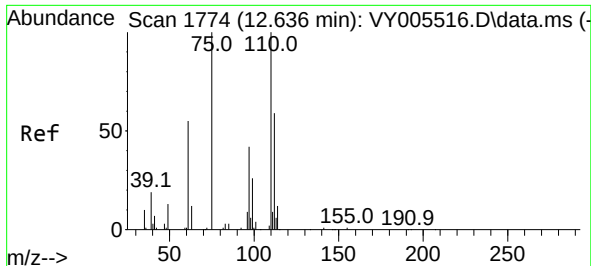
Tgt Ion: 43	Resp: 104
Ion Ratio	Lower Upper
43 100	
70 0.0	32.9 49.3#
55 193.3	18.9 28.3#
61 0.0	19.0 28.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 6.945 ug/l
RT: 12.587 min Scan# 1766
Delta R.T. -0.000 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

Tgt Ion: 83	Resp: 240
Ion Ratio	Lower Upper
83 100	
131 9.2	5.6 16.8
85 0.0	32.0 96.2#

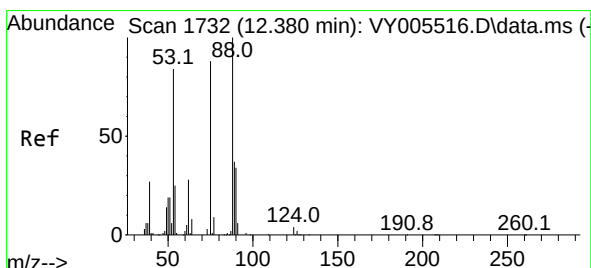
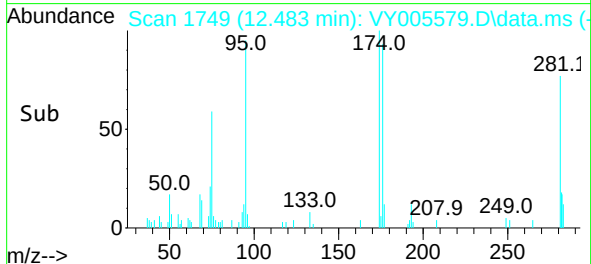
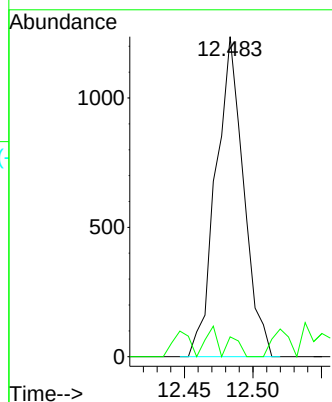
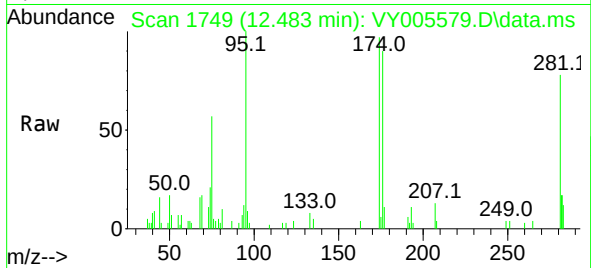




#76
1,2,3-Trichloropropane
Concen: 65.382 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

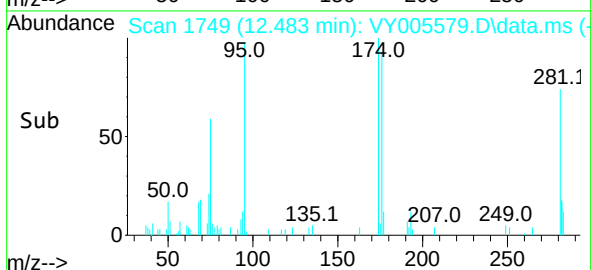
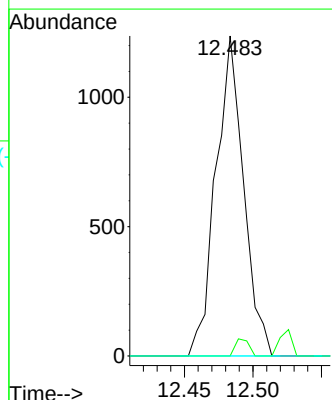
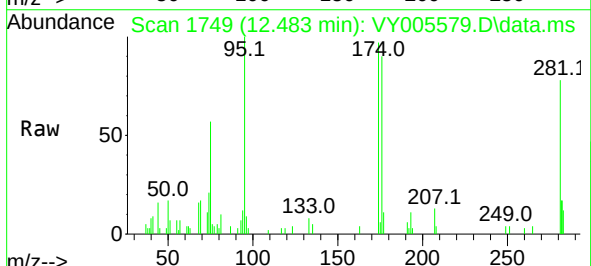
Instrument :
MSVOA_Y
ClientSampled :

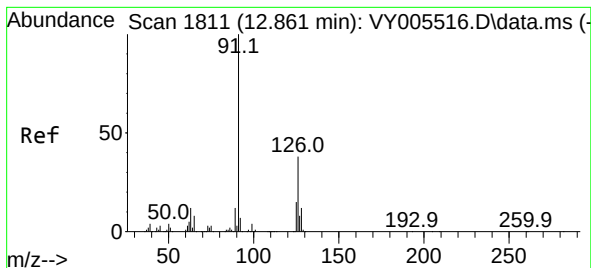
Tgt Ion: 75 Resp: 1744
Ion Ratio Lower Upper
75 100
77 3.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.801 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

Tgt Ion: 75 Resp: 1744
Ion Ratio Lower Upper
75 100
53 2.6 76.7 115.1#
89 0.0 38.4 57.6#

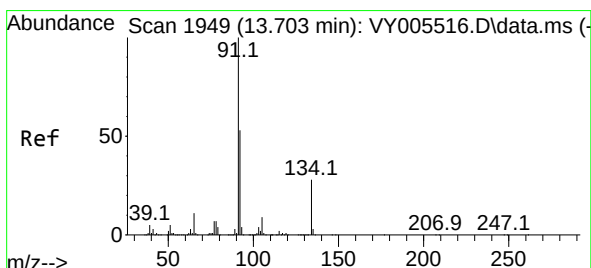
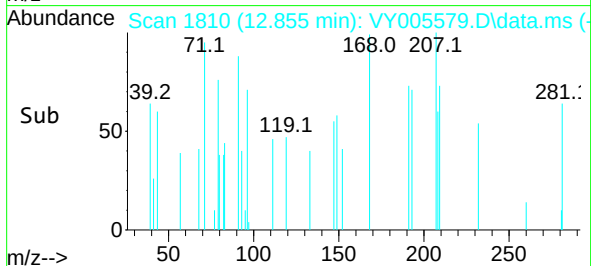
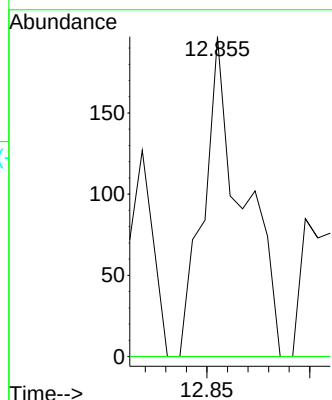
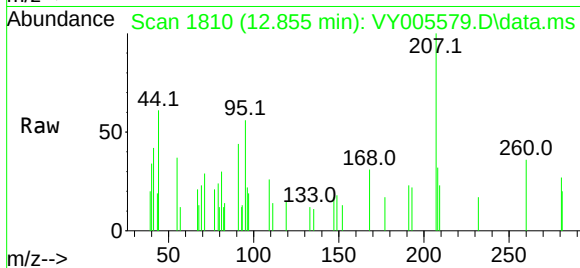




#82
4-Chlorotoluene
Concen: 2.121 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

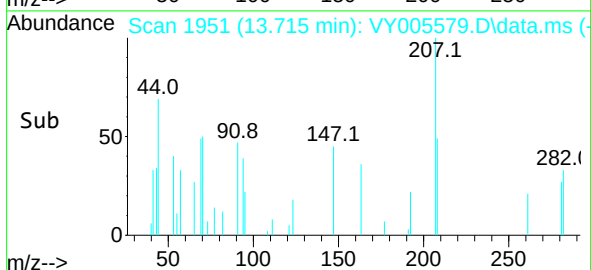
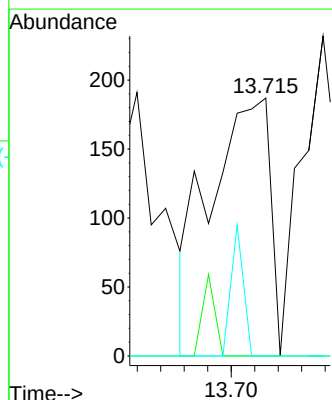
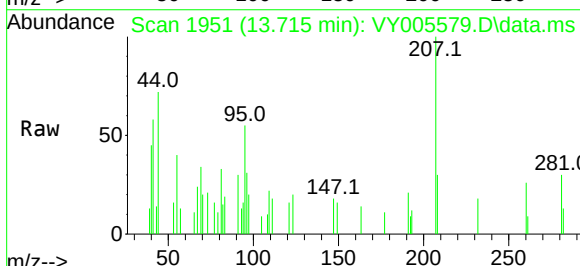
Instrument :
MSVOA_Y
ClientSampleId :

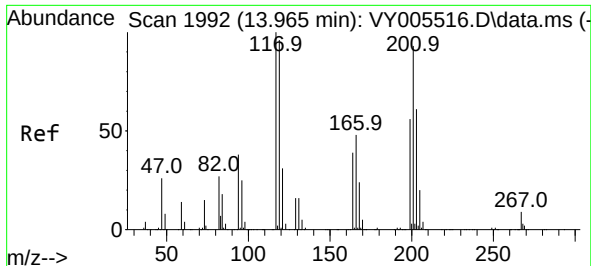
Tgt Ion: 91 Resp: 263
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.5#



#89
n-Butylbenzene
Concen: 2.205 ug/l
RT: 13.715 min Scan# 1951
Delta R.T. 0.012 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

Tgt Ion: 91 Resp: 331
Ion Ratio Lower Upper
91 100
92 0.0 26.7 80.1#
134 10.6 13.8 41.4#

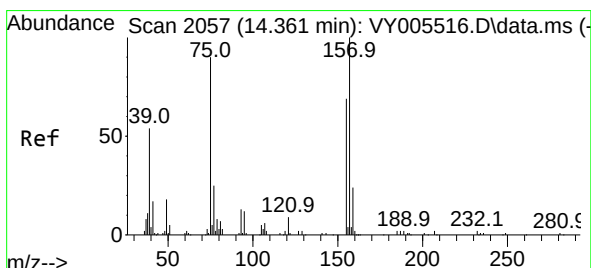
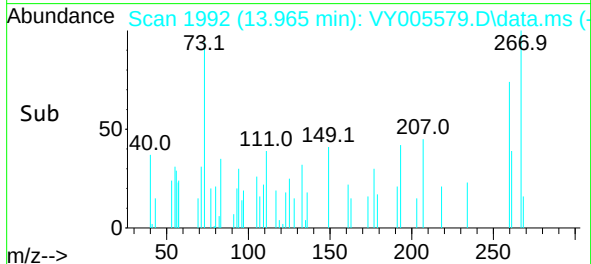
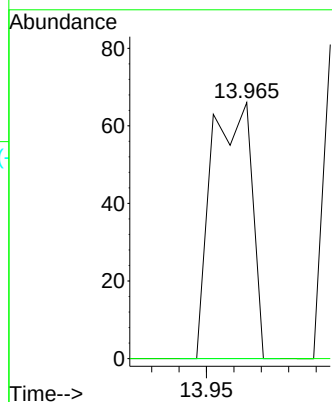
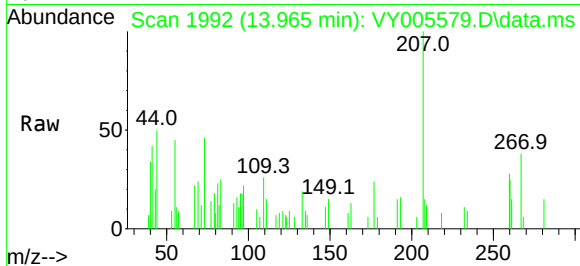




#90
Hexachloroethane
Concen: 2.249 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. -0.000 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

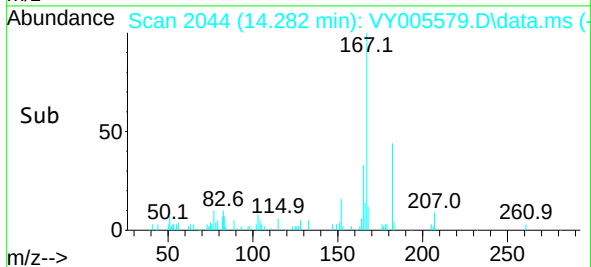
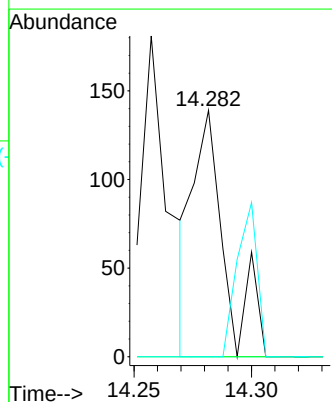
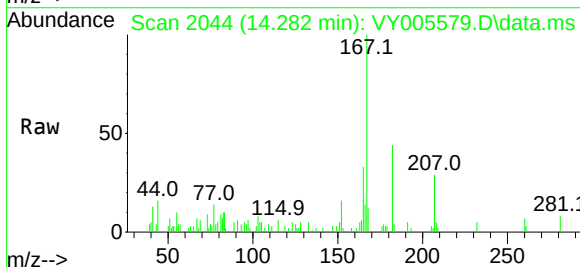
Instrument :
MSVOA_Y
ClientSampleId :

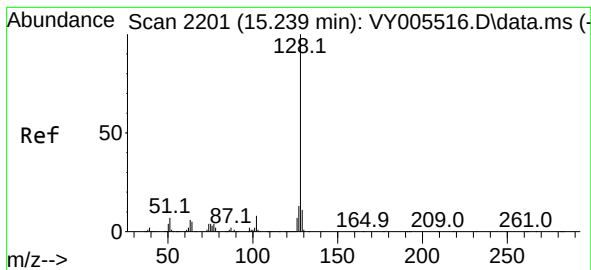
Tgt Ion:117 Resp: 67
Ion Ratio Lower Upper
117 100
201 0.0 46.7 140.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.997 ug/l
RT: 14.282 min Scan# 2044
Delta R.T. -0.079 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

Tgt Ion: 75 Resp: 131
Ion Ratio Lower Upper
75 100
155 0.0 42.4 127.1#
157 39.7 56.0 168.2#





#95
Naphthalene
Concen: 3.688 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY005579.D
Acq: 06 Aug 2021 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 380
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 14.7 8.7 13.1#

