

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042121\
 Data File : VY004547.D
 Acq On : 21 Apr 2021 11:53
 Operator : SY/MD
 Sample : M2102-01
 Misc : 6.29G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 11:05:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 22 08:25:55 2021
 Response via : Initial Calibration

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

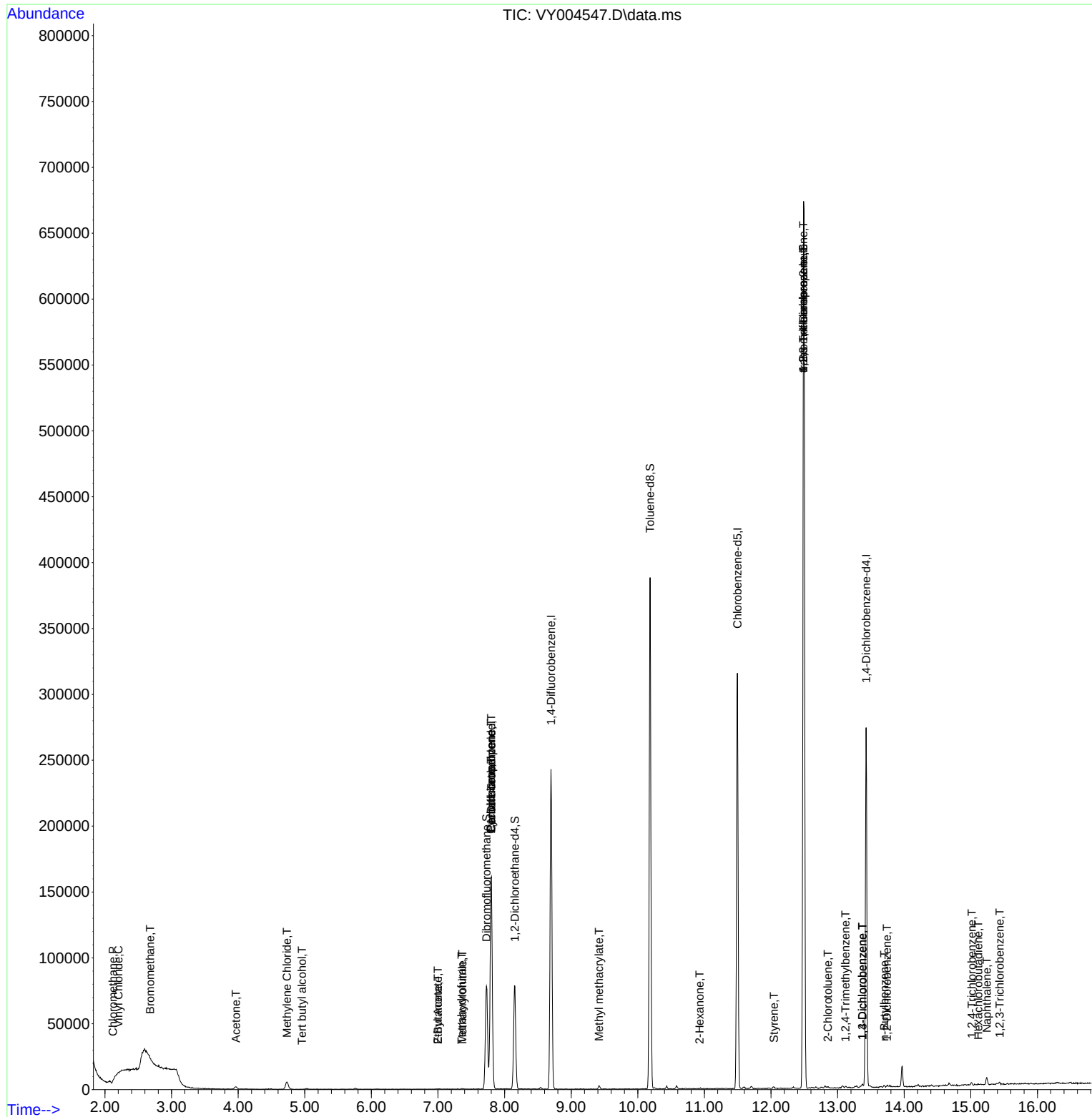
Internal Standards						
1) Pentafluorobenzene	7.801	168	122624	50.00	ug/l	0.21
34) 1,4-Difluorobenzene	8.697	114	196145	50.00	ug/l	0.18
63) Chlorobenzene-d5	11.496	117	161229	50.00	ug/l	0.15
72) 1,4-Dichlorobenzene-d4	13.428	152	64729	50.00	ug/l	0.14
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	61014	40.73	ug/l	0.20
Spiked Amount 50.000			Recovery	=	81.46%	
35) Dibromofluoromethane	7.728	113	54694	44.53	ug/l	0.22
Spiked Amount 50.000			Recovery	=	89.06%	
50) Toluene-d8	10.185	98	234734	49.00	ug/l	0.16
Spiked Amount 50.000			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.483	95	70262	42.83	ug/l	0.14
Spiked Amount 50.000			Recovery	=	85.66%	
Target Compounds						Qvalue
3) Chloromethane	2.119	50	992	0.50	ug/l	91
4) Vinyl Chloride	2.205	62	4945	2.82	ug/l #	43
5) Bromomethane	2.680	94	378	0.38	ug/l #	63
11) Tert butyl alcohol	4.960	59	48	0.25	ug/l #	73
16) Acetone	3.966	43	3246	5.79	ug/l #	86
20) Methylene Chloride	4.735	84	3924	2.35	ug/l #	83
25) 2-Butanone	6.996	43	518	0.64	ug/l #	46
29) Tetrahydrofuran	7.356	42	368	0.66	ug/l #	32
31) Cyclohexane	7.795	56	3129	1.28	ug/l #	27
36) 1,1-Dichloropropene	7.795	75	10091	5.53	ug/l #	50
37) Ethyl Acetate	6.996	43	518	0.27	ug/l #	68
38) Carbon Tetrachloride	7.801	117	12712	7.32	ug/l #	16
41) Methacrylonitrile	7.368	41	229	0.27	ug/l #	100
48) Methyl methacrylate	9.417	41	433	0.32	ug/l #	28
59) 2-Hexanone	10.929	43	170	16.76	ug/l #	23
70) Styrene	12.044	104	323	3.06	ug/l #	85
76) 1,2,3-Trichloropropane	12.483	75	42290	30.53	ug/l #	100
79) 2-Chlorotoluene	12.855	91	546	1.09	ug/l	81
81) trans-1,4-Dichloro-2-b...	12.483	75	42232	88.60	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.117	105	914	0.24	ug/l	84
87) 1,3-Dichlorobenzene	13.373	146	617	0.31	ug/l	82
88) 1,4-Dichlorobenzene	13.373	146	617	0.29	ug/l	83
89) n-Butylbenzene	13.703	91	718	0.22	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	458	0.22	ug/l	80
93) 1,2,4-Trichlorobenzene	15.013	180	620	2.49	ug/l	91
94) Hexachlorobutadiene	15.111	225	193	0.31	ug/l	83
95) Naphthalene	15.239	128	4136	3.18	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.434	180	547	1.82	ug/l	96

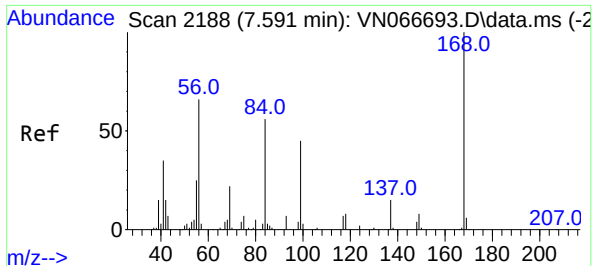
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042121\
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Misc : 6.29G/5ML/MSVOA_Y/SOIL
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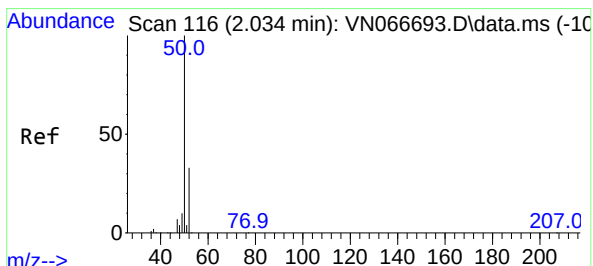
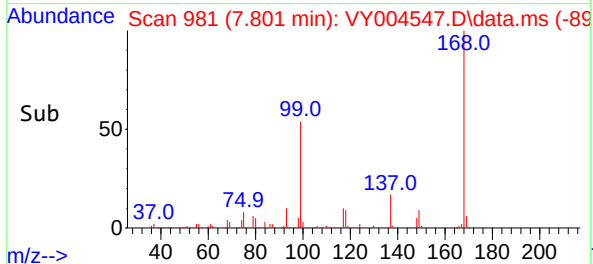
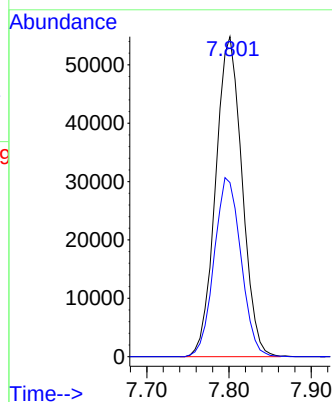
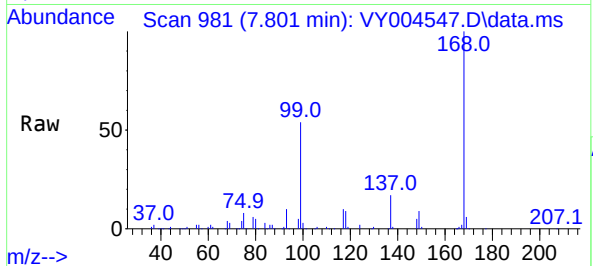




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.210 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

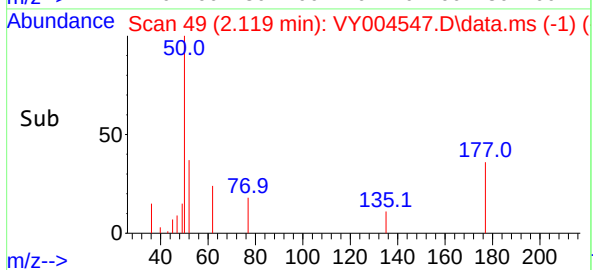
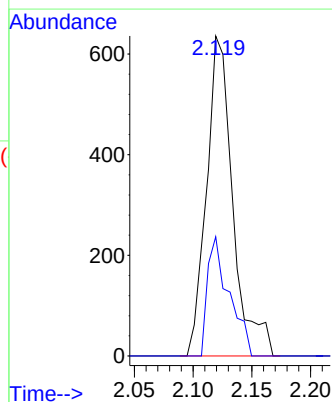
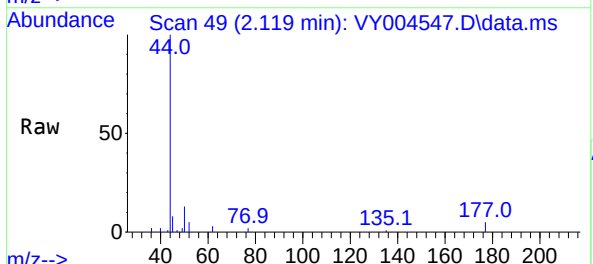
Instrument :
MSVOA_Y
ClientSampleId :

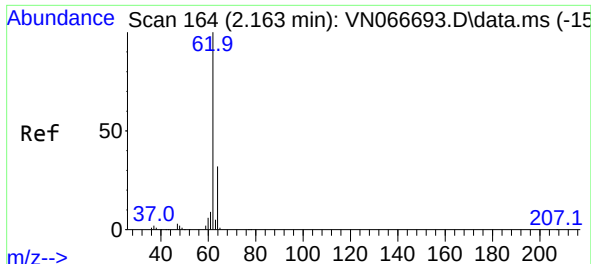
Tgt Ion:168 Resp: 122624
Ion Ratio Lower Upper
168 100
99 54.4 42.6 63.8



#3
Chloromethane
Concen: 0.50 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.085 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

Tgt Ion: 50 Resp: 992
Ion Ratio Lower Upper
50 100
52 37.3 25.8 38.8

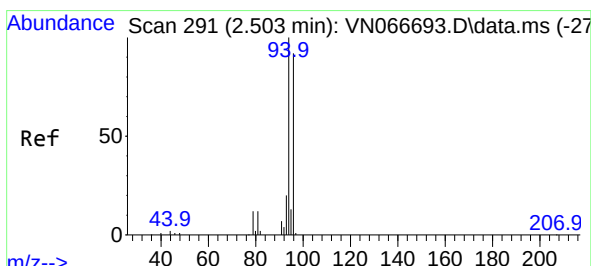
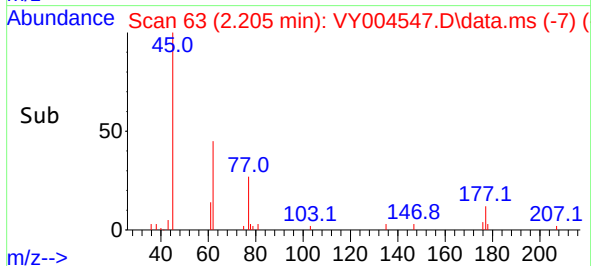
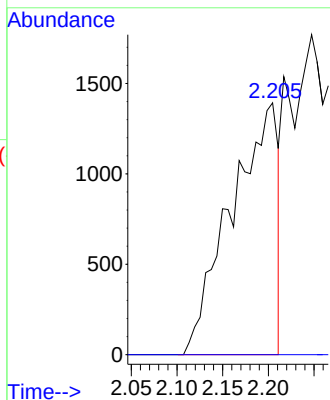
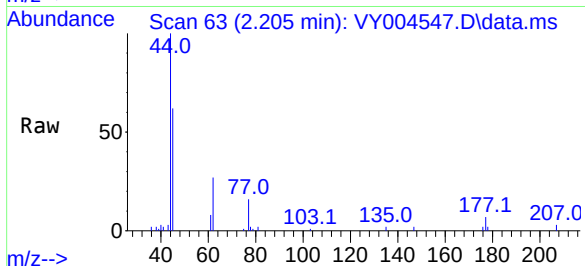




#4
 Vinyl Chloride
 Concen: 2.82 ug/l
 RT: 2.205 min Scan# 63
 Delta R.T. 0.042 min
 Lab File: VY004547.D
 Acq: 21 Apr 2021 11:53

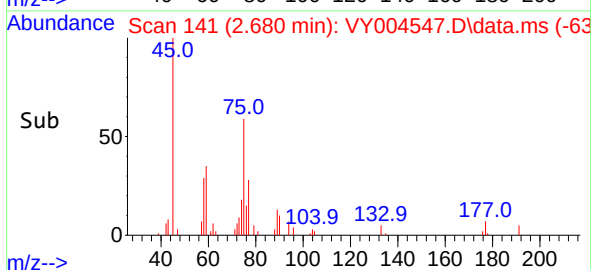
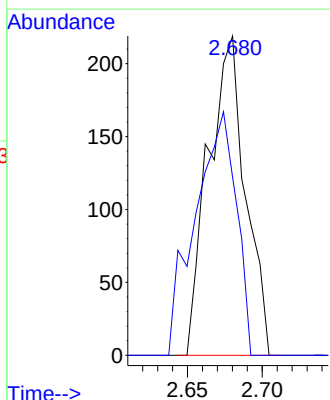
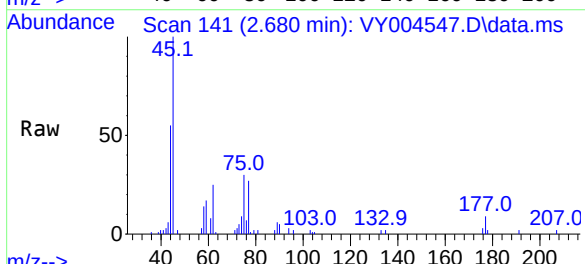
Instrument :
 MSVOA_Y
 ClientSampled :

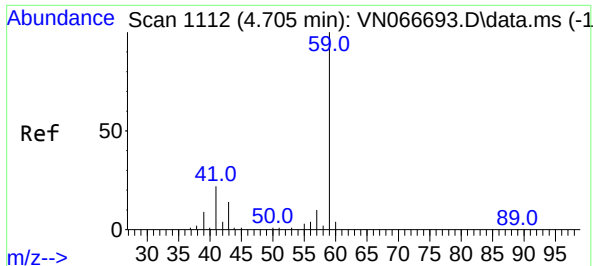
Tgt Ion: 62 Resp: 4945
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.1 37.7#



#5
 Bromomethane
 Concen: 0.38 ug/l
 RT: 2.680 min Scan# 141
 Delta R.T. 0.177 min
 Lab File: VY004547.D
 Acq: 21 Apr 2021 11:53

Tgt Ion: 94 Resp: 378
 Ion Ratio Lower Upper
 94 100
 96 55.7 73.0 109.4#



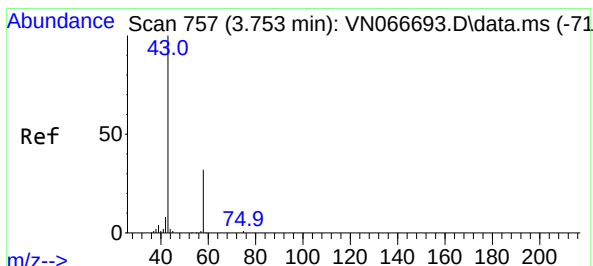
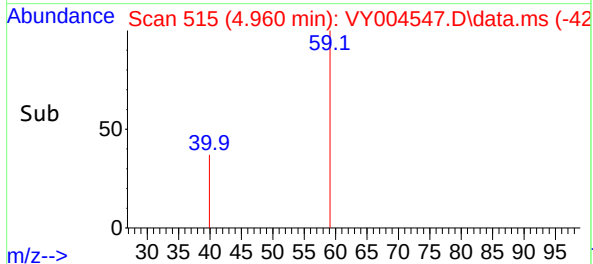
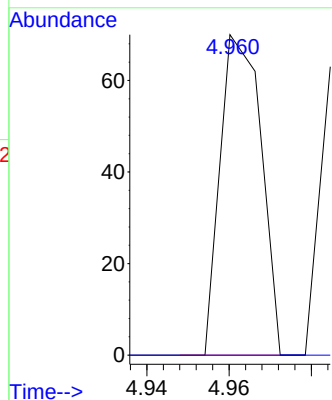
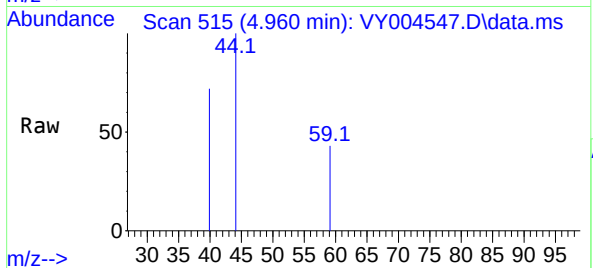


#11

Tert butyl alcohol
Concen: 0.25 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.255 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

Instrument :
MSVOA_Y
ClientSampled :

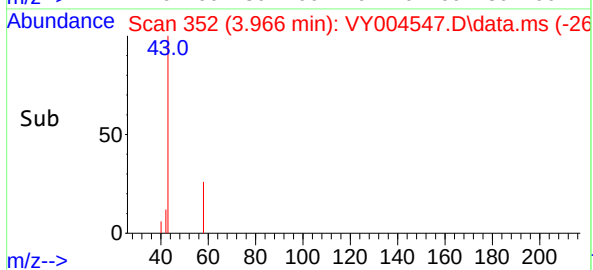
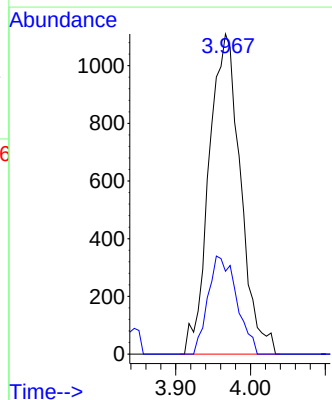
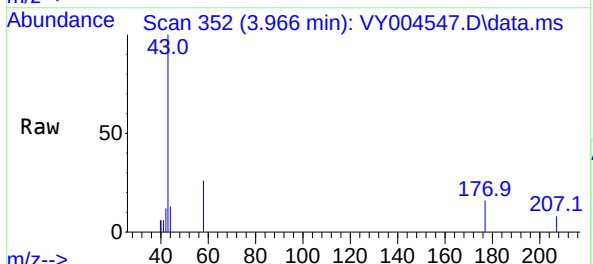
Tgt Ion: 59 Resp: 48
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

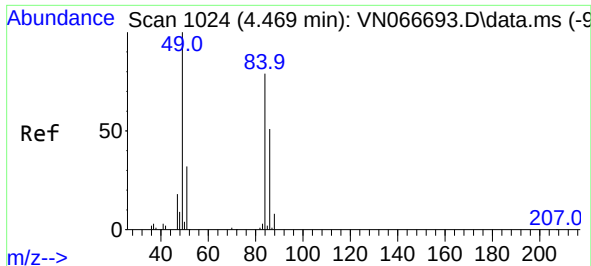


#16

Acetone
Concen: 5.79 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.213 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

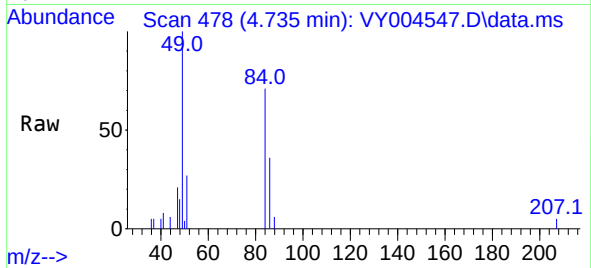
Tgt Ion: 43 Resp: 3246
Ion Ratio Lower Upper
43 100
58 25.9 27.0 40.6#





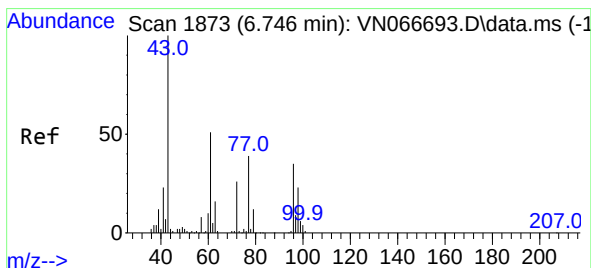
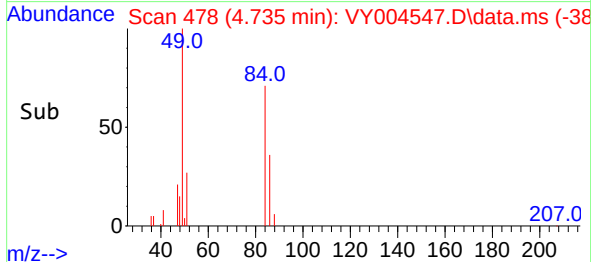
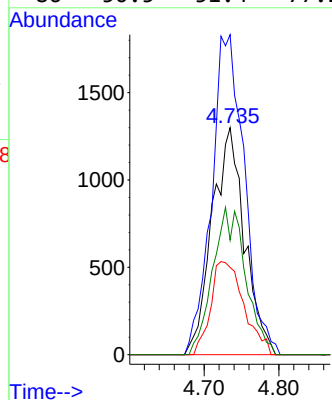
#20
Methylene Chloride
Concen: 2.35 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.266 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 3924

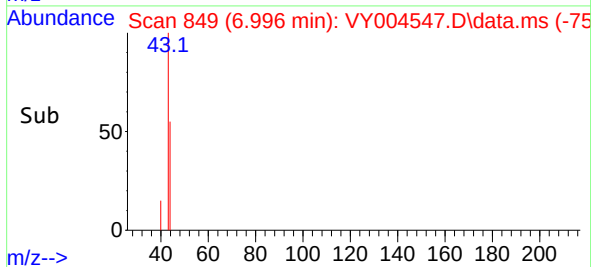
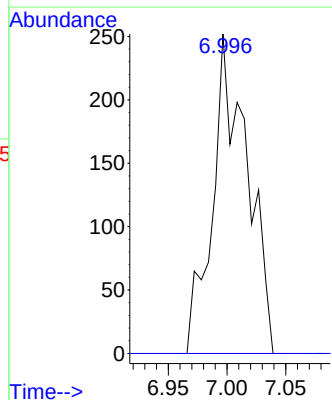
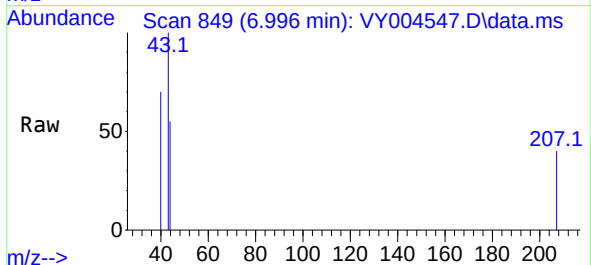
Ion	Ratio	Lower	Upper
84	100		
49	140.9	94.6	141.8
51	38.4	29.9	44.9
86	50.5	51.4	77.2#

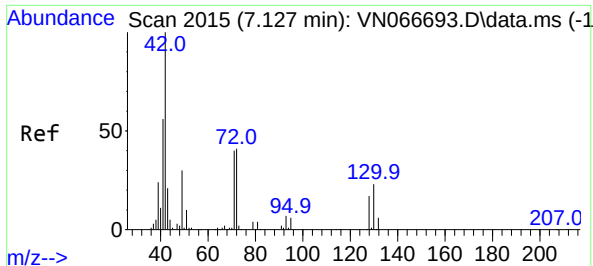


#25
2-Butanone
Concen: 0.64 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.250 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

Tgt Ion: 43 Resp: 518

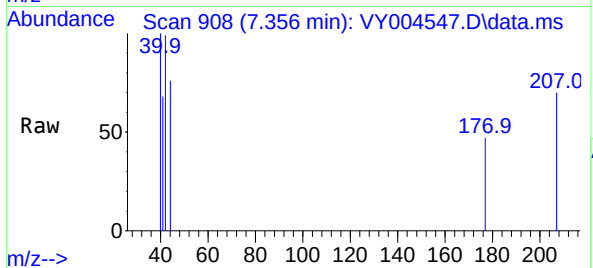
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.1	34.7#



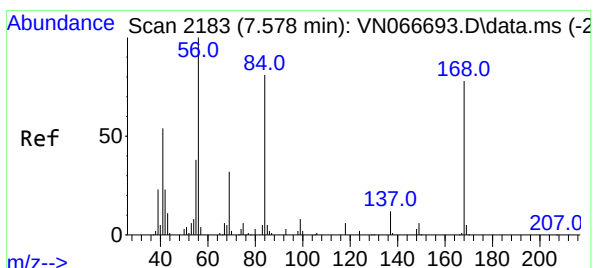
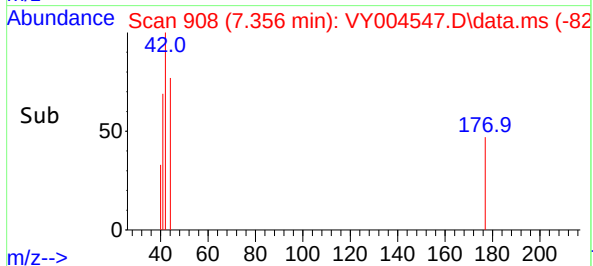
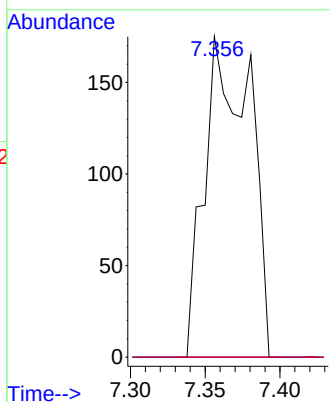


#29
Tetrahydrofuran
Concen: 0.66 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.229 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

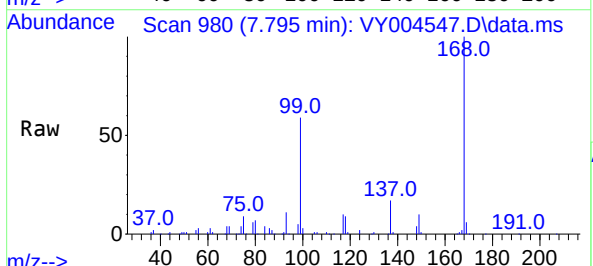
Instrument :
MSVOA_Y
ClientSampled :



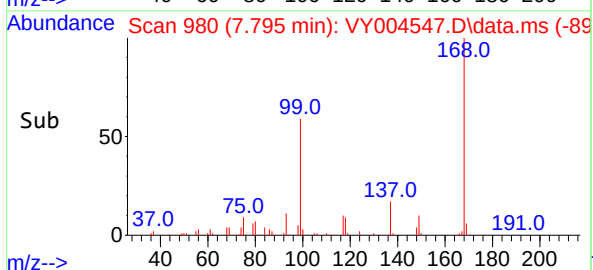
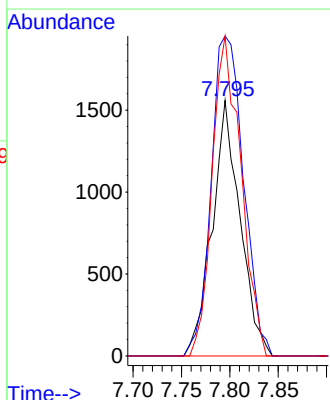
Tgt Ion: 42 Resp: 368
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#

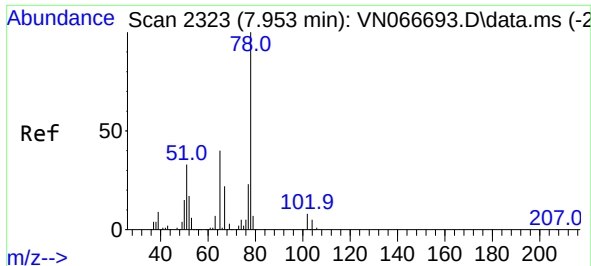


#31
Cyclohexane
Concen: 1.28 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.217 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53



Tgt Ion: 56 Resp: 3129
Ion Ratio Lower Upper
56 100
69 125.3 26.6 39.8#
84 125.1 70.4 105.6#

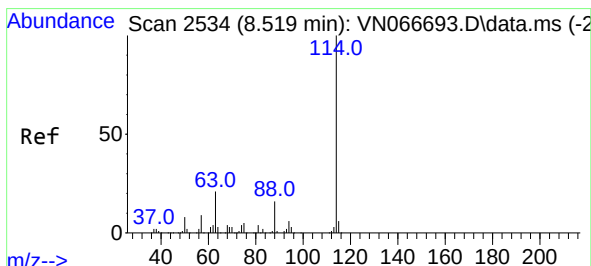
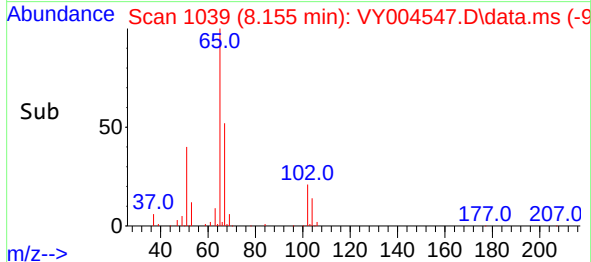
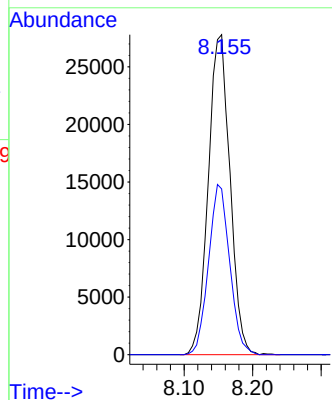
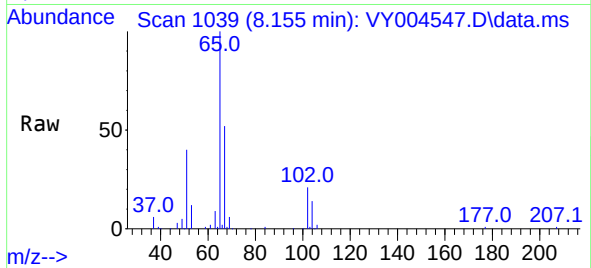




#33
 1,2-Dichloroethane-d4
 Concen: 40.73 ug/l
 RT: 8.155 min Scan# 1039
 Delta R.T. 0.202 min
 Lab File: VY004547.D
 Acq: 21 Apr 2021 11:53

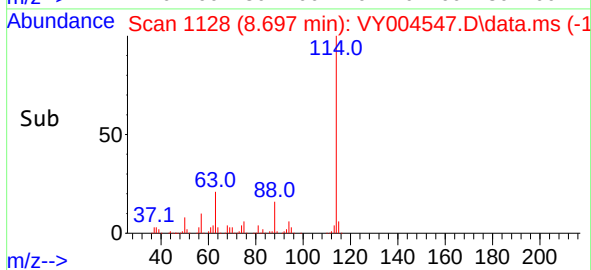
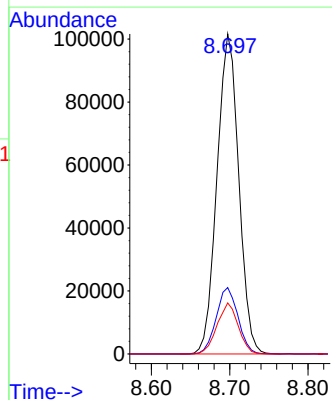
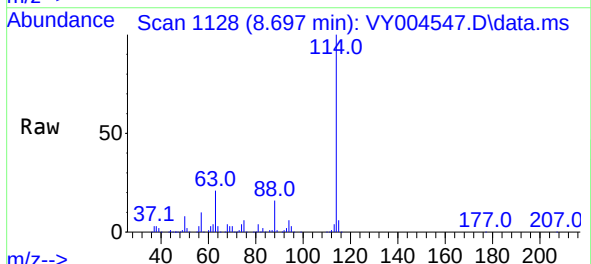
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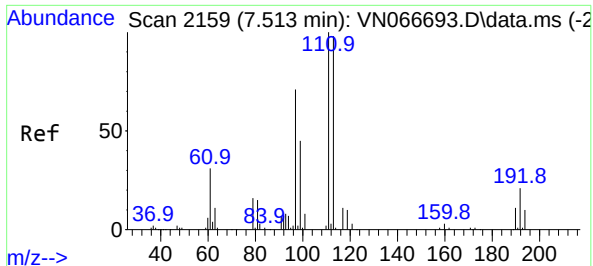
Tgt Ion: 65 Resp: 61014
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.178 min
 Lab File: VY004547.D
 Acq: 21 Apr 2021 11:53

Tgt Ion: 114 Resp: 196145
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 38.6
 88 15.9 0.0 30.6

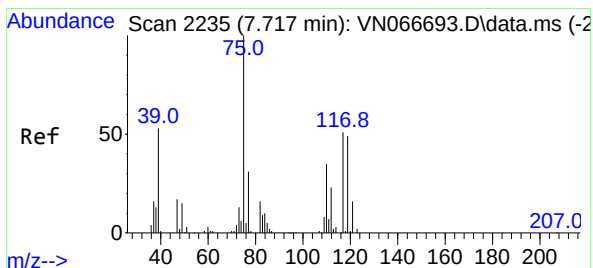
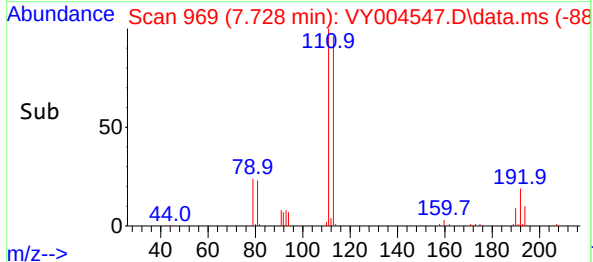
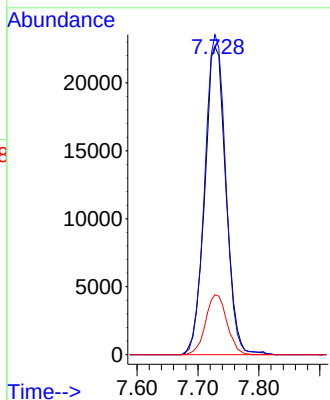
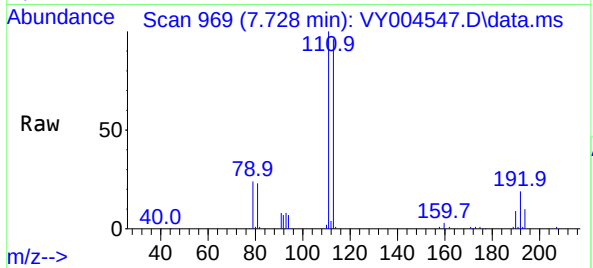




#35
Dibromofluoromethane
Concen: 44.53 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.215 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

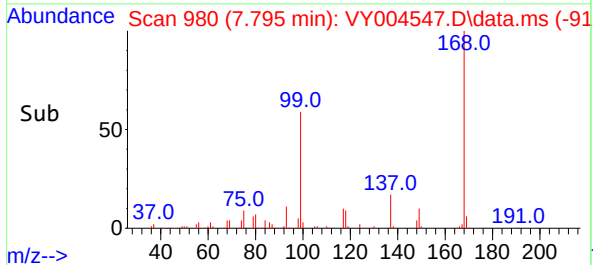
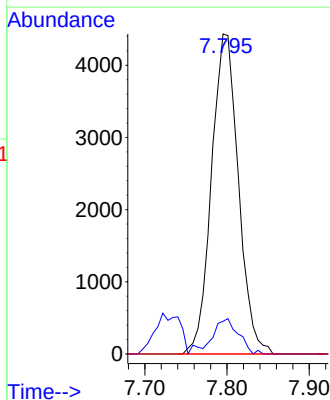
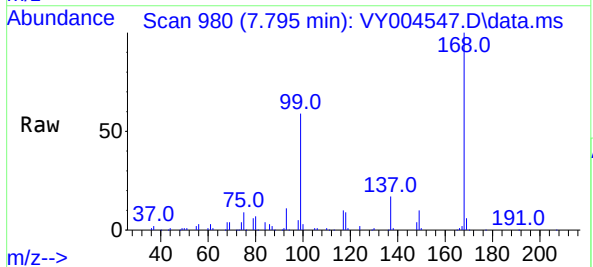
Instrument :
MSVOA_Y
ClientSampleId :

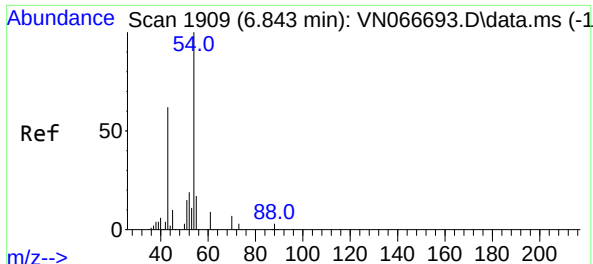
Tgt Ion:	113	Resp:	54694
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.2
192	19.6	15.4	23.0



#36
1,1-Dichloropropene
Concen: 5.53 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.078 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

Tgt Ion:	75	Resp:	10091
Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.2	54.6#
77	0.0	24.9	37.3#

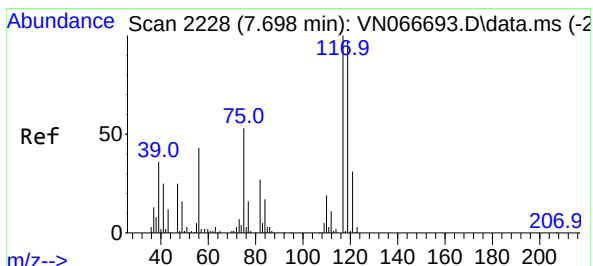
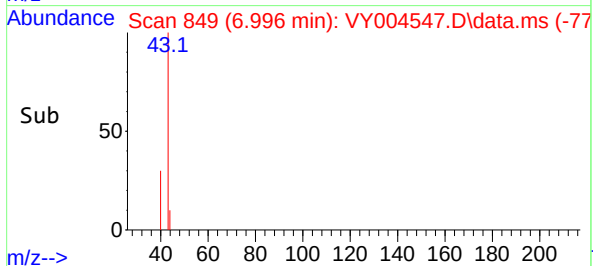
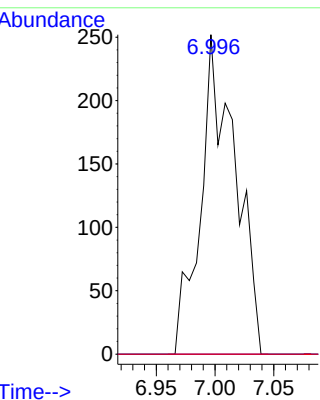
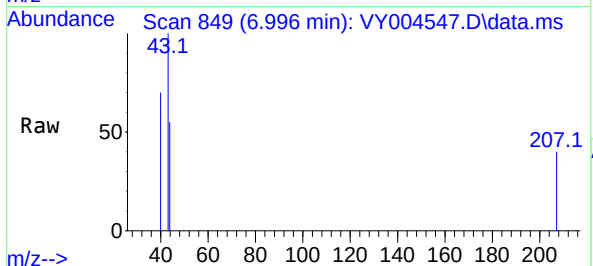




#37
Ethyl Acetate
Concen: 0.27 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.153 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

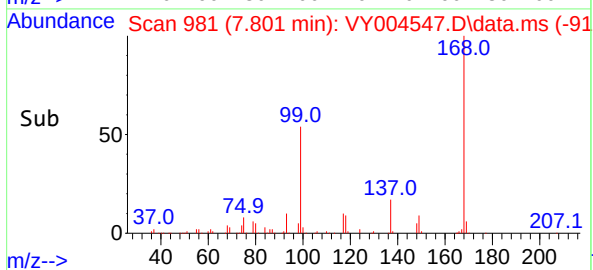
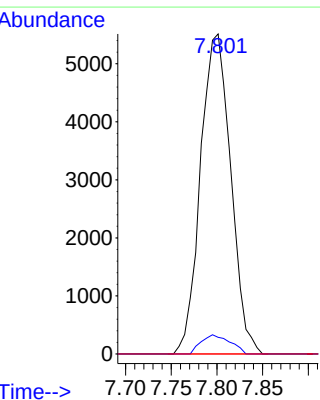
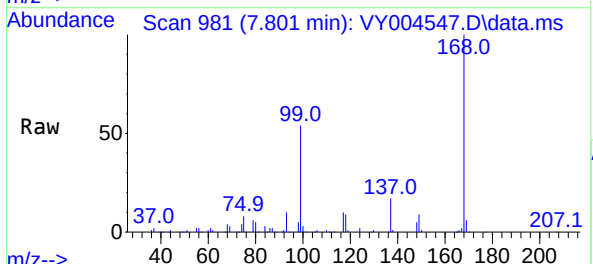
Instrument :
MSVOA_Y
ClientSampled :

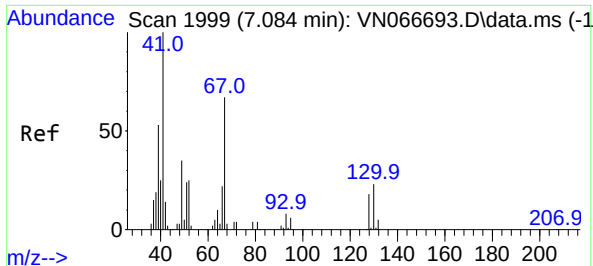
Tgt Ion:	43	Resp:	518
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38
Carbon Tetrachloride
Concen: 7.32 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.103 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

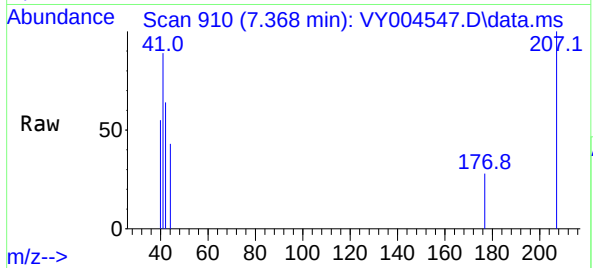
Tgt Ion:	117	Resp:	12712
Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.0	114.0#
121	0.0	24.5	36.7#





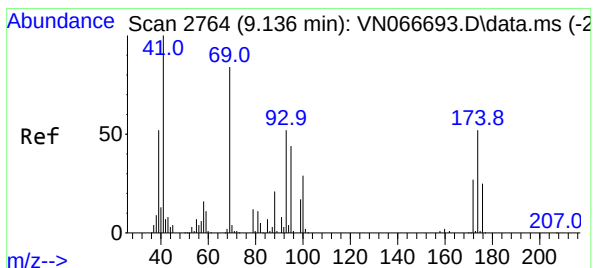
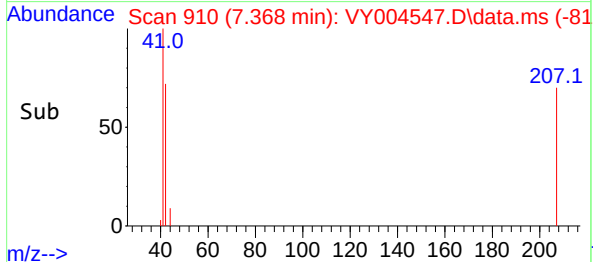
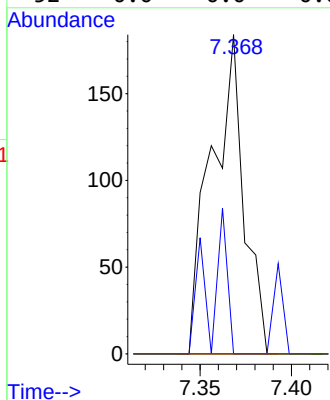
#41
Methacrylonitrile
Concen: 0.27 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.284 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

Instrument :
MSVOA_Y
ClientSampled :

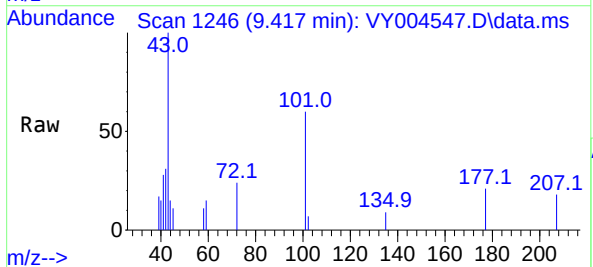


Tgt Ion: 41 Resp: 229

Ion	Ratio	Lower	Upper
41	100		
39	10.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

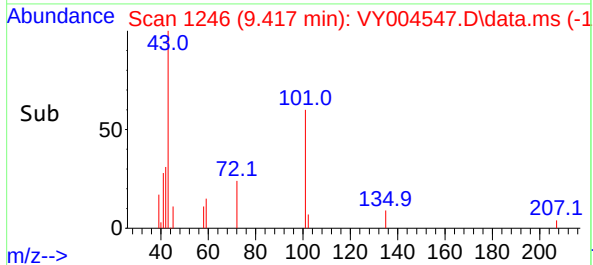
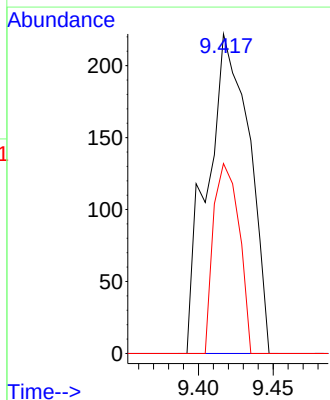


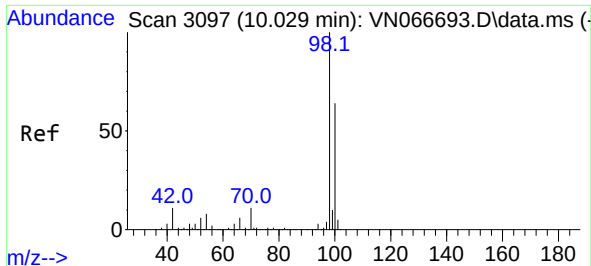
#48
Methyl methacrylate
Concen: 0.32 ug/l
RT: 9.417 min Scan# 1246
Delta R.T. 0.281 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53



Tgt Ion: 41 Resp: 433

Ion	Ratio	Lower	Upper
41	100		
69	0.0	75.9	113.9#
39	36.3	46.6	69.8#

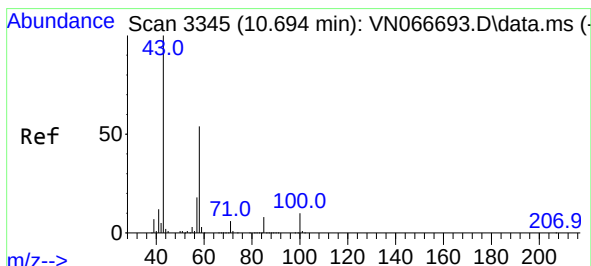
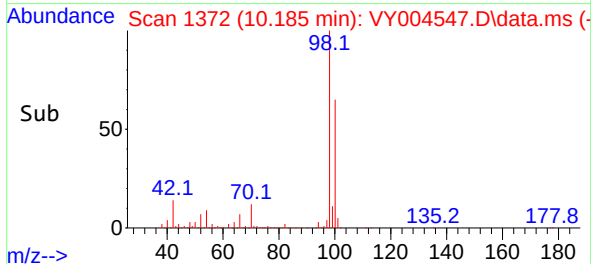
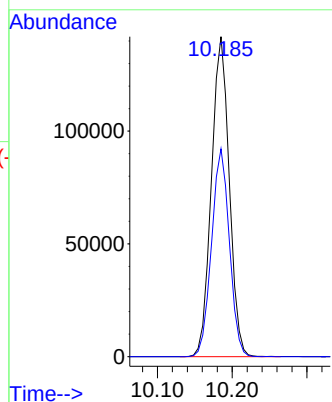
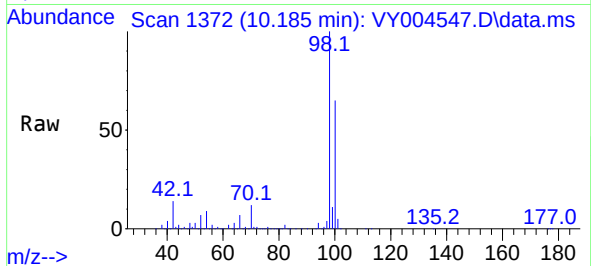




#50
Toluene-d8
Concen: 49.00 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.156 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

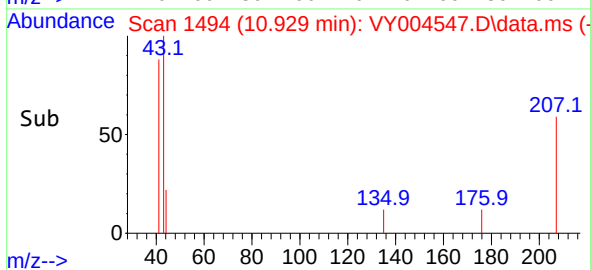
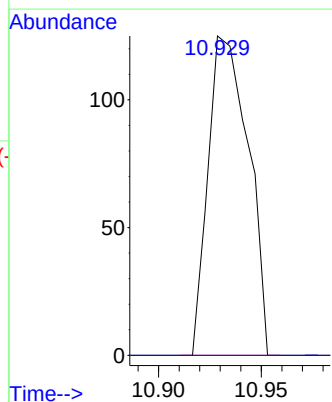
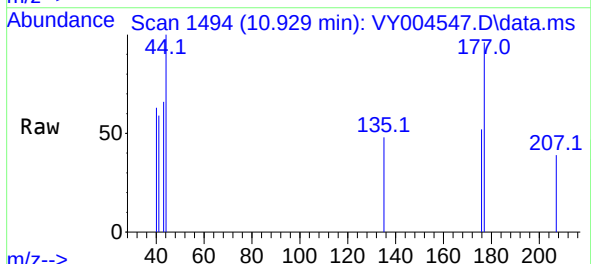
Instrument :
MSVOA_Y
ClientSampled :

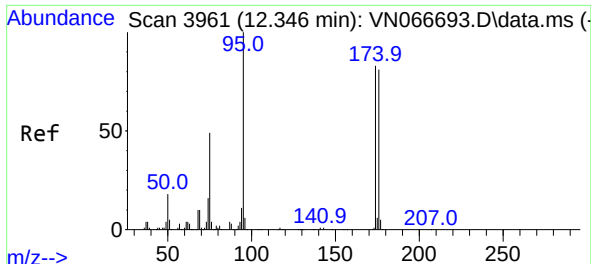
Tgt Ion: 98 Resp: 234734
Ion Ratio Lower Upper
98 100
100 64.9 50.5 75.7



#59
2-Hexanone
Concen: 16.76 ug/l
RT: 10.929 min Scan# 1494
Delta R.T. 0.235 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

Tgt Ion: 43 Resp: 170
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

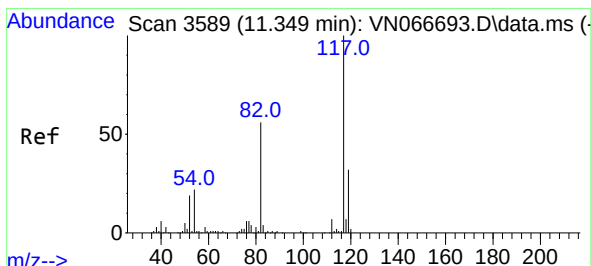
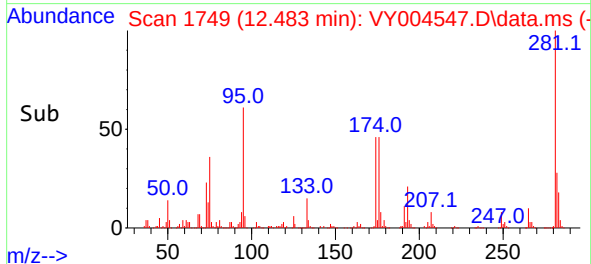
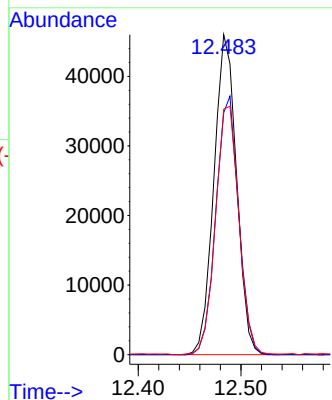
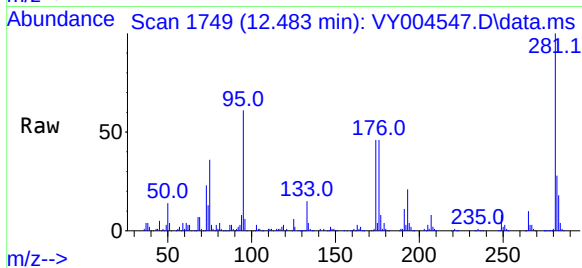




#62
4-Bromofluorobenzene
Concen: 42.83 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.137 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

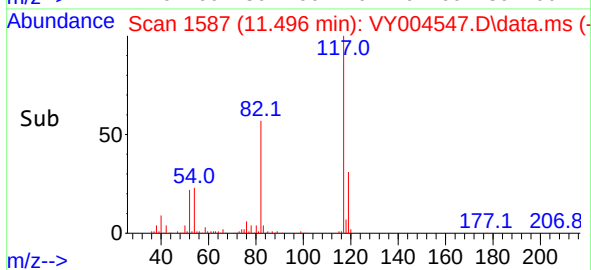
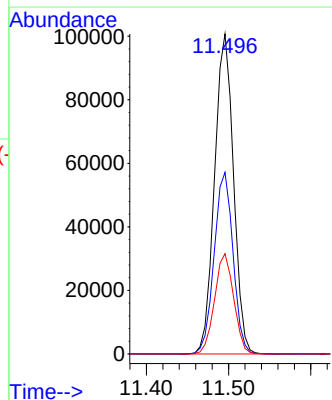
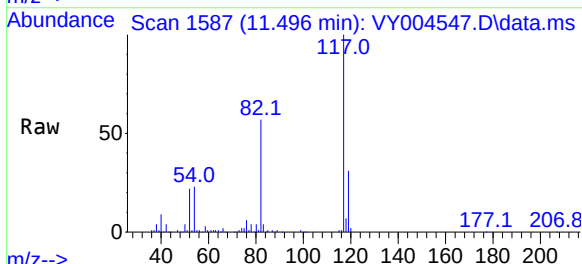
Instrument :
MSVOA_Y
ClientSampleId :

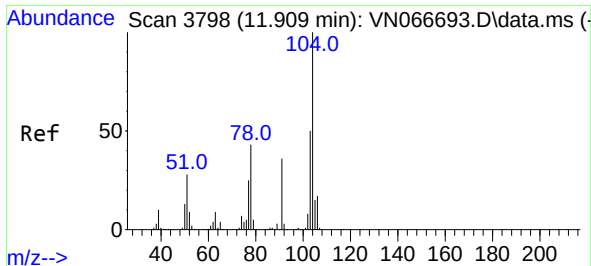
Tgt Ion: 95 Resp: 70262
Ion Ratio Lower Upper
95 100
174 80.8 0.0 169.0
176 80.5 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.147 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

Tgt Ion:117 Resp: 161229
Ion Ratio Lower Upper
117 100
82 56.7 43.7 65.5
119 31.3 26.1 39.1

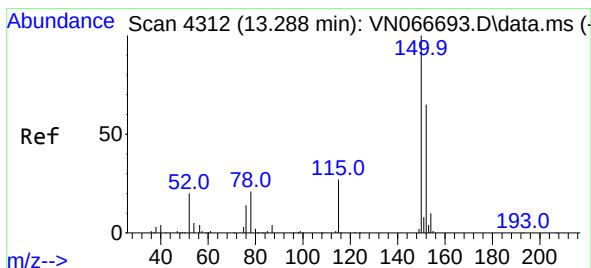
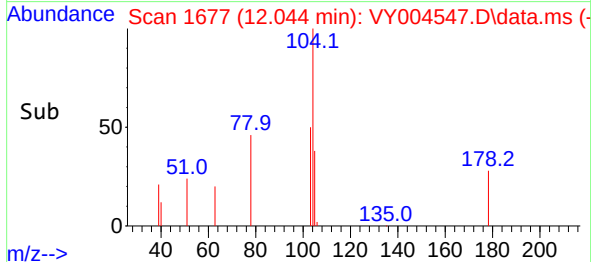
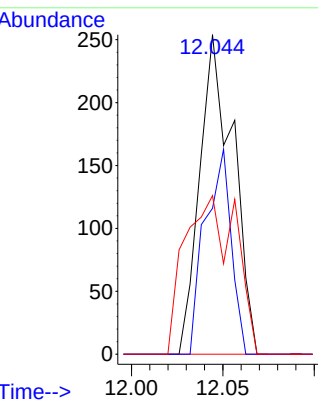
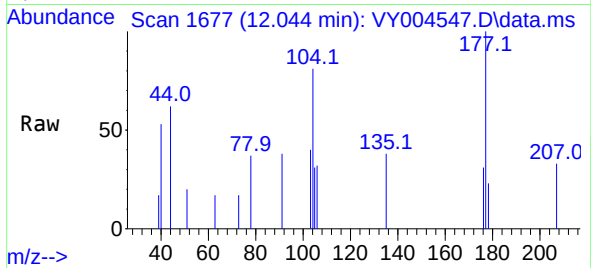




#70
Styrene
Concen: 3.06 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.135 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

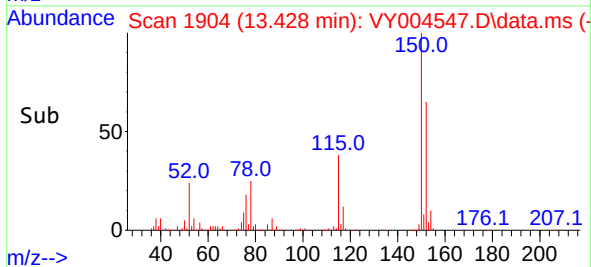
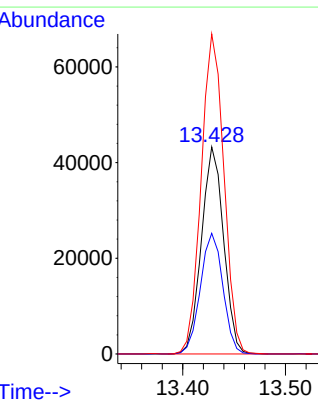
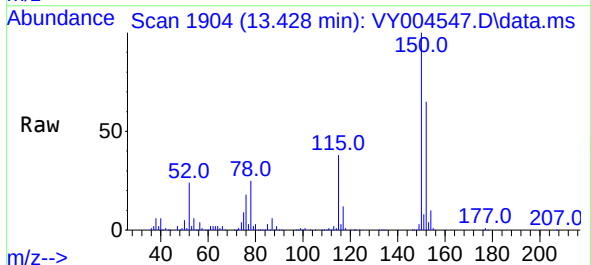
Instrument :
MSVOA_Y
ClientSampled :

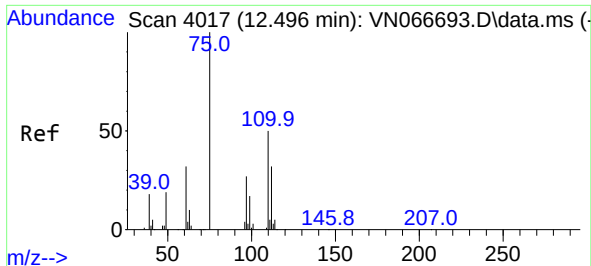
Tgt Ion:104 Resp: 323
Ion Ratio Lower Upper
104 100
78 49.8 39.0 58.4
103 75.5 44.5 66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.140 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

Tgt Ion:152 Resp: 64729
Ion Ratio Lower Upper
152 100
115 59.2 28.5 85.6
150 158.6 0.0 347.6

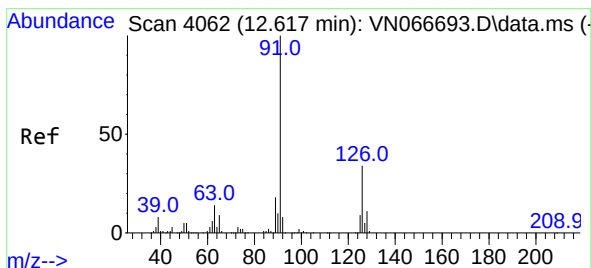
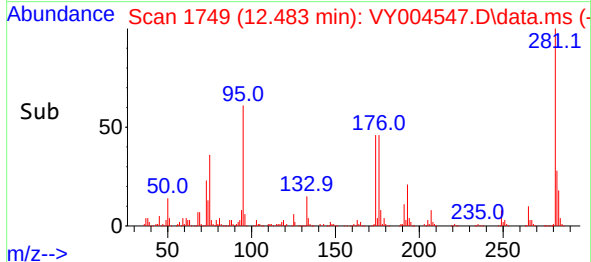
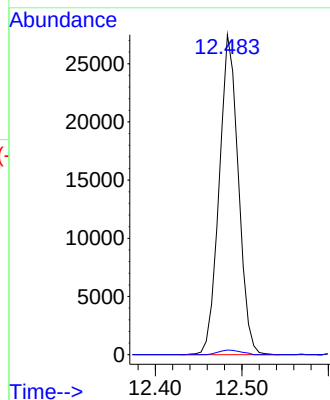
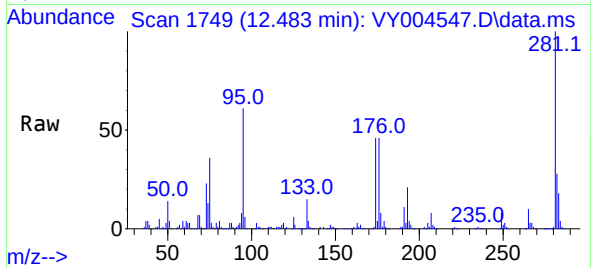




#76
1,2,3-Trichloropropane
Concen: 30.53 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.013 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

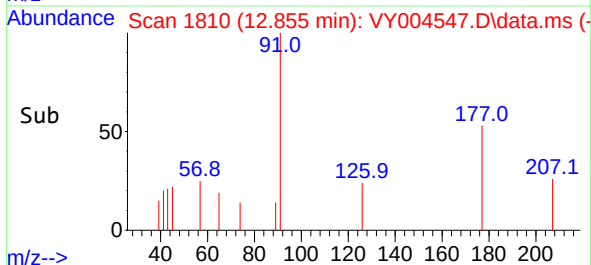
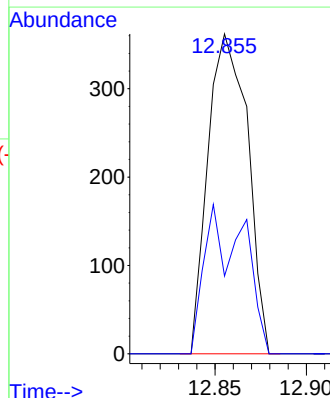
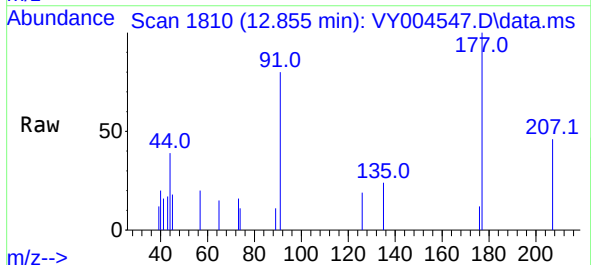
Instrument :
MSVOA_Y
ClientSampled :

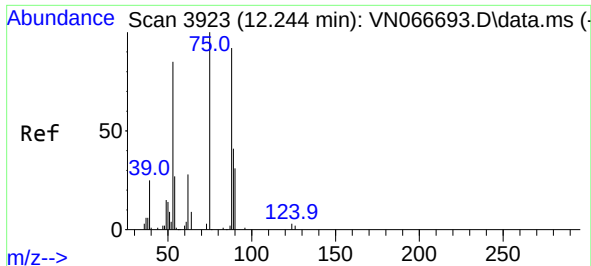
Tgt Ion: 75 Resp: 42290
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#79
2-Chlorotoluene
Concen: 1.09 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.238 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

Tgt Ion: 91 Resp: 546
Ion Ratio Lower Upper
91 100
126 46.0 17.4 52.3

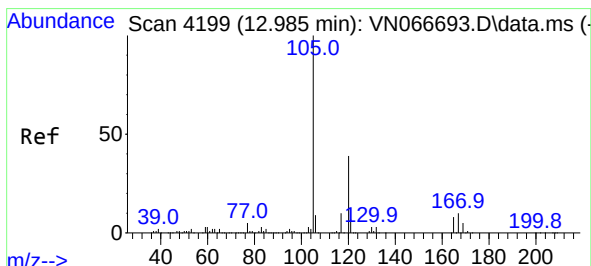
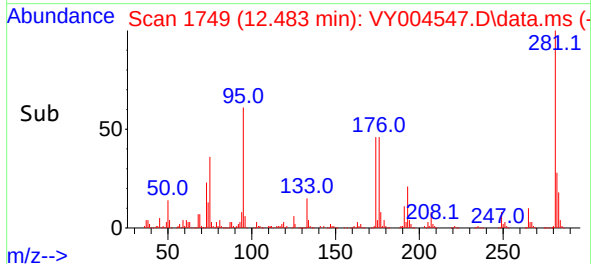
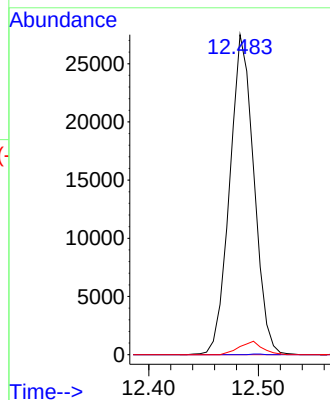
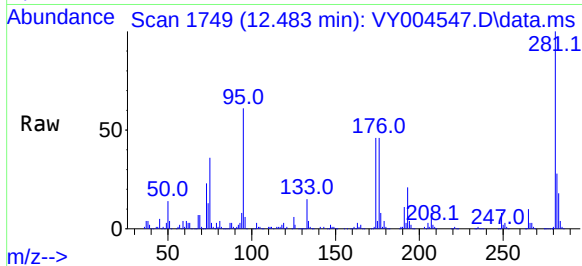




#81
trans-1,4-Dichloro-2-butene
Concen: 88.60 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.239 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

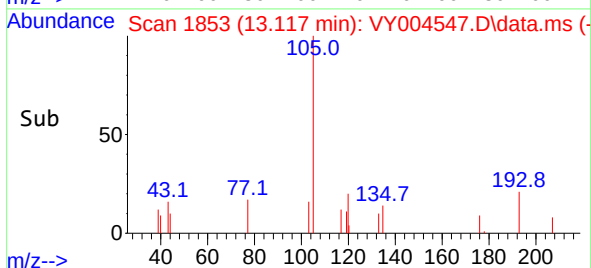
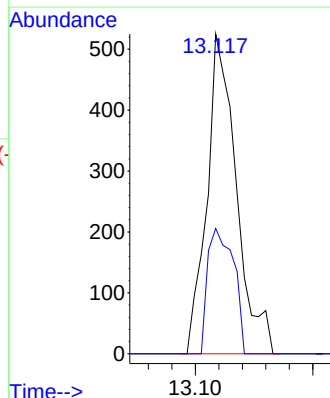
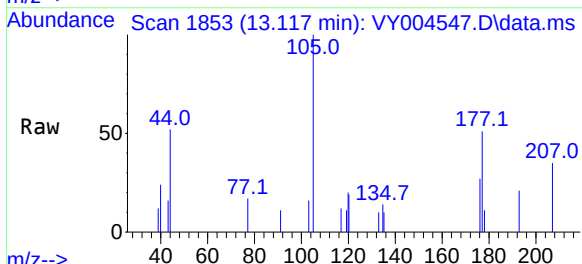
Instrument :
MSVOA_Y
ClientSampleId :

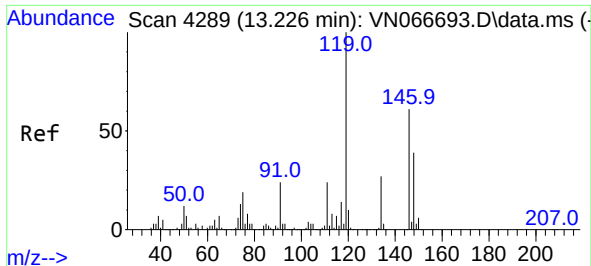
Tgt Ion: 75 Resp: 42232
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 4.0 35.8 53.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.24 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.132 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

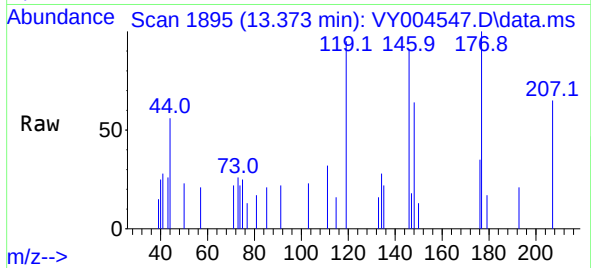
Tgt Ion: 105 Resp: 914
Ion Ratio Lower Upper
105 100
120 34.5 22.4 67.0





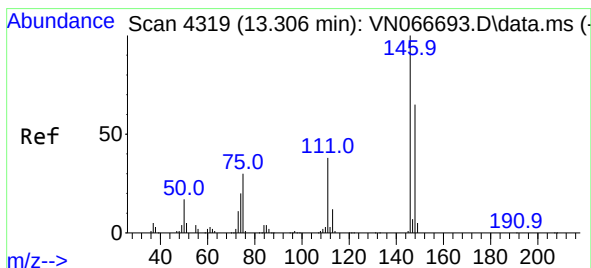
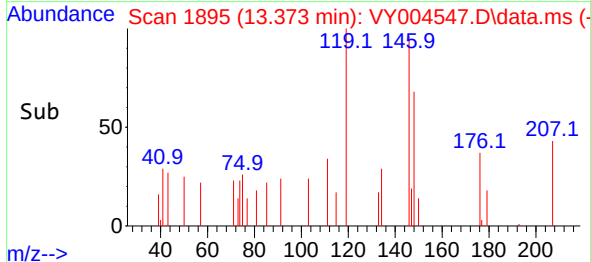
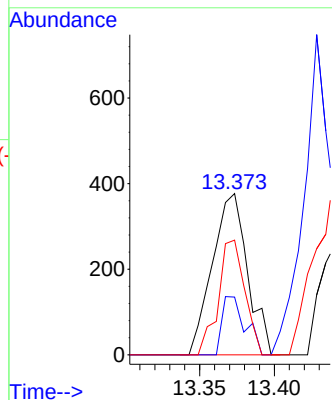
#87
 1,3-Dichlorobenzene
 Concen: 0.31 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.147 min
 Lab File: VY004547.D
 Acq: 21 Apr 2021 11:53

Instrument :
 MSVOA_Y
 ClientSampled :

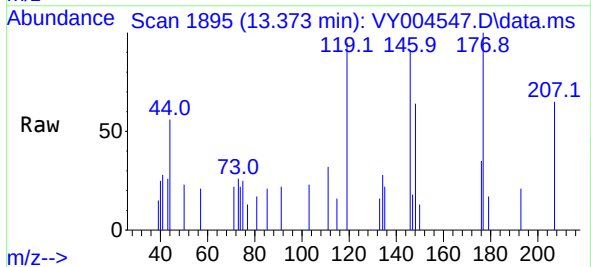


Tgt Ion:146 Resp: 617

Ion	Ratio	Lower	Upper
146	100		
111	23.7	19.5	58.5
148	53.6	32.3	96.9

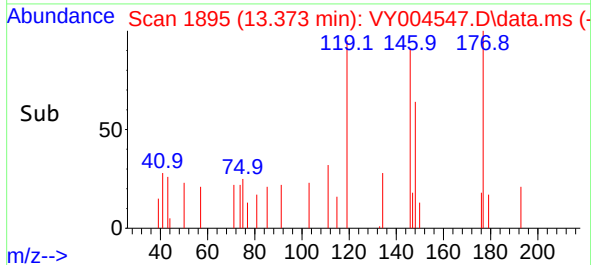
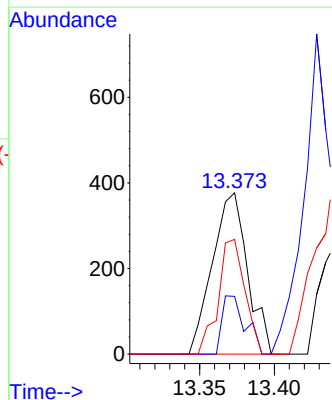


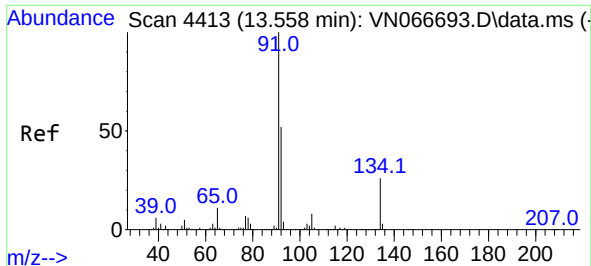
#88
 1,4-Dichlorobenzene
 Concen: 0.29 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.067 min
 Lab File: VY004547.D
 Acq: 21 Apr 2021 11:53



Tgt Ion:146 Resp: 617

Ion	Ratio	Lower	Upper
146	100		
111	23.7	19.0	57.0
148	53.6	31.8	95.3



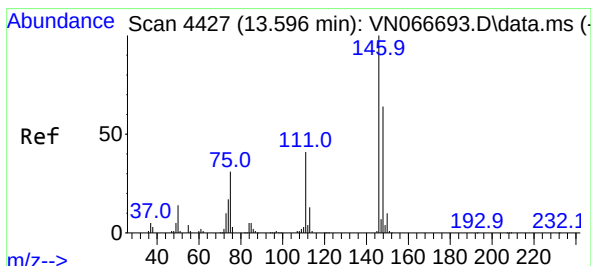
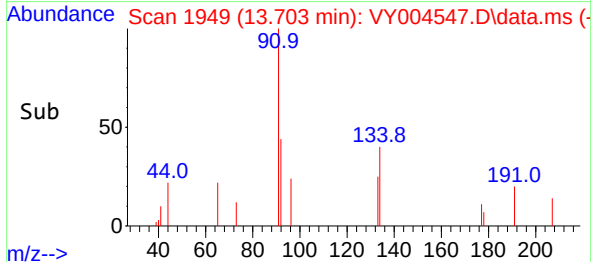
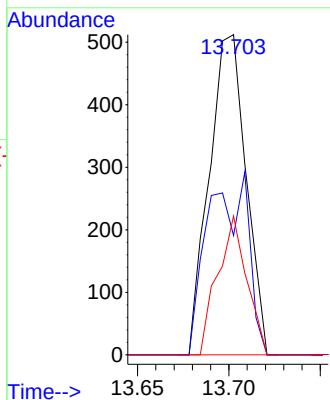
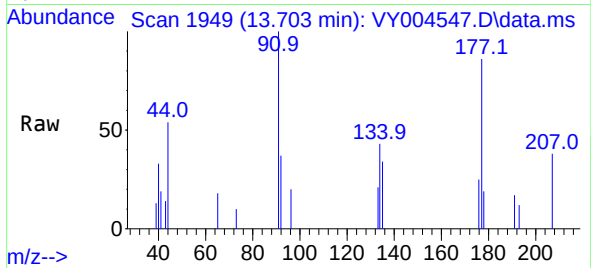


#89
n-Butylbenzene
Concen: 0.22 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.145 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 91 Resp: 718

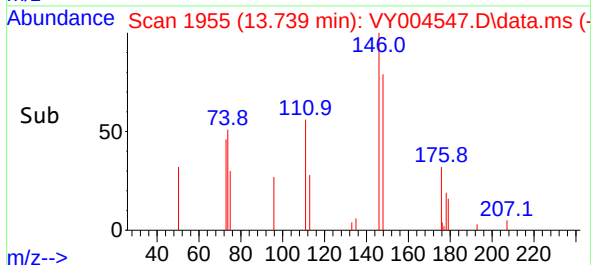
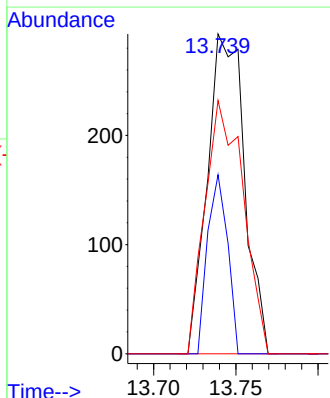
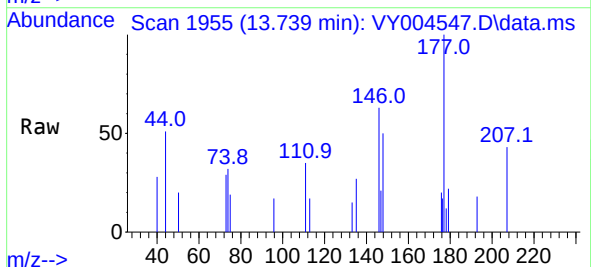
Ion	Ratio	Lower	Upper
91	100		
92	61.7	26.1	78.3
134	34.4	13.0	38.9

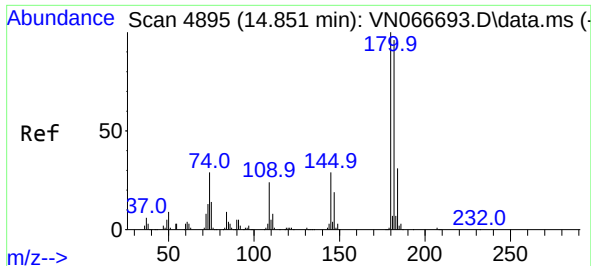


#91
1,2-Dichlorobenzene
Concen: 0.22 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. 0.143 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

Tgt Ion: 146 Resp: 458

Ion	Ratio	Lower	Upper
146	100		
111	30.1	20.1	60.3
148	81.4	32.0	96.0

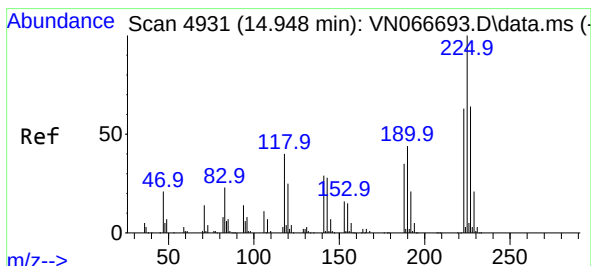
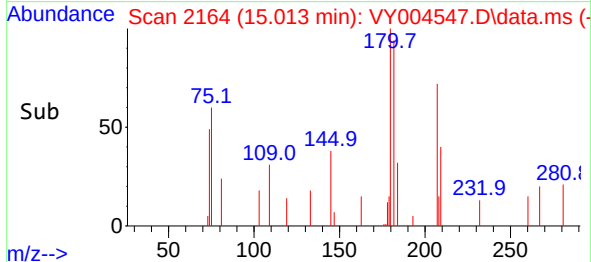
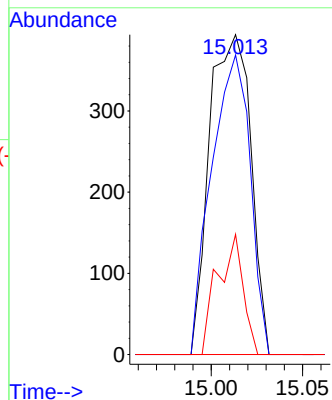
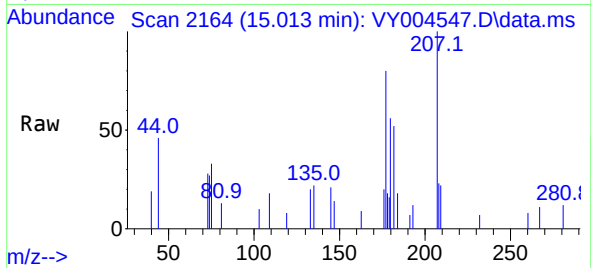




#93
 1,2,4-Trichlorobenzene
 Concen: 2.49 ug/l
 RT: 15.013 min Scan# 2164
 Delta R.T. 0.162 min
 Lab File: VY004547.D
 Acq: 21 Apr 2021 11:53

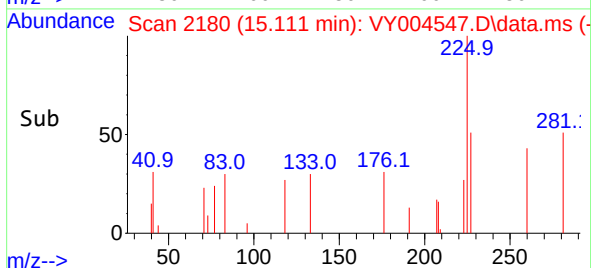
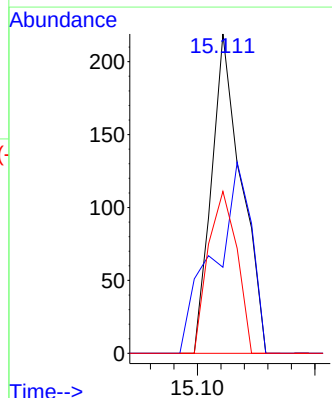
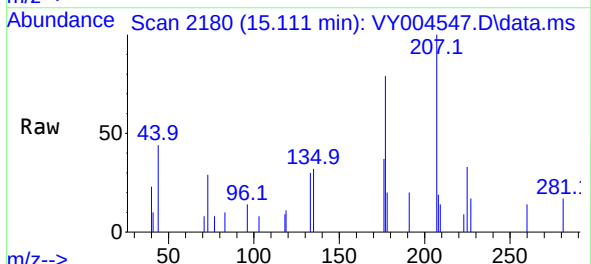
Instrument :
 MSVOA_Y
 ClientSampleId :

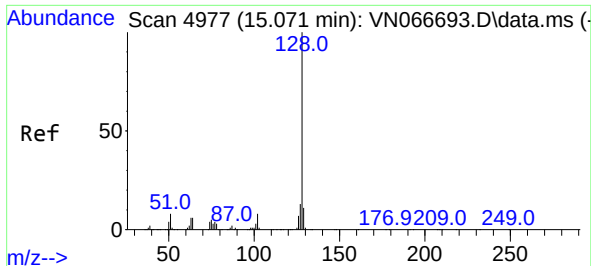
Tgt Ion:	180	Resp:	620
Ion	Ratio	Lower	Upper
180	100		
182	87.4	47.3	142.0
145	23.2	15.6	46.8



#94
 Hexachlorobutadiene
 Concen: 0.31 ug/l
 RT: 15.111 min Scan# 2180
 Delta R.T. 0.163 min
 Lab File: VY004547.D
 Acq: 21 Apr 2021 11:53

Tgt Ion:	225	Resp:	193
Ion	Ratio	Lower	Upper
225	100		
223	75.1	31.9	95.9
227	48.7	31.6	95.0

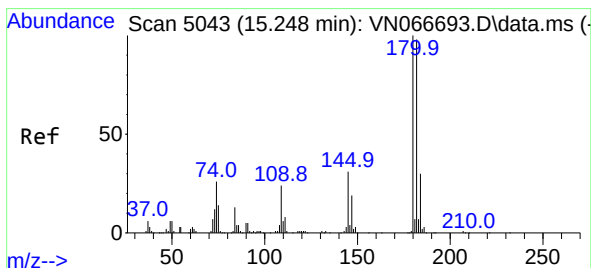
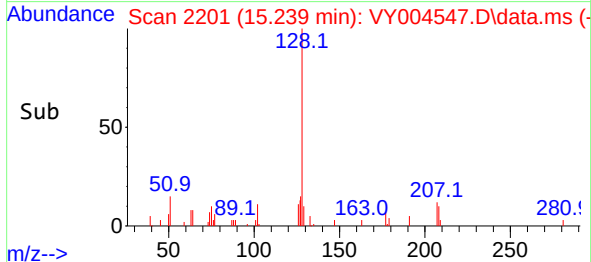
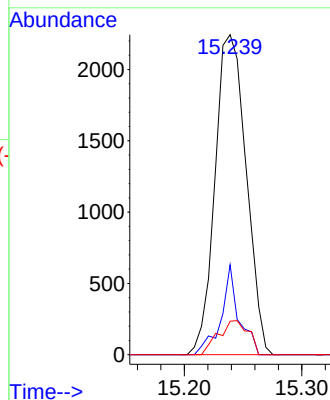
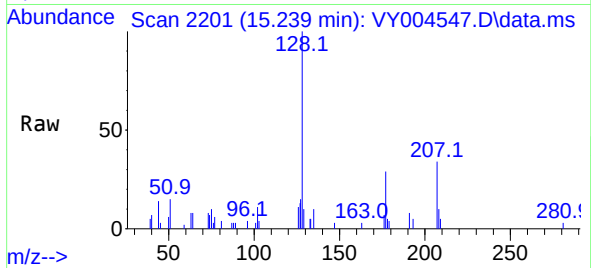




#95
Naphthalene
Concen: 3.18 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.168 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:128 Resp: 4136
Ion Ratio Lower Upper
128 100
127 16.1 10.2 15.2#
129 10.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.82 ug/l
RT: 15.434 min Scan# 2233
Delta R.T. 0.186 min
Lab File: VY004547.D
Acq: 21 Apr 2021 11:53

Tgt Ion:180 Resp: 547
Ion Ratio Lower Upper
180 100
182 94.7 47.4 142.3
145 41.1 16.5 49.5

