

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042021\
 Data File : VY004531.D
 Acq On : 20 Apr 2021 16:08
 Operator : SY/MD
 Sample : M2090-16
 Misc : 6.35G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 21 08:52:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

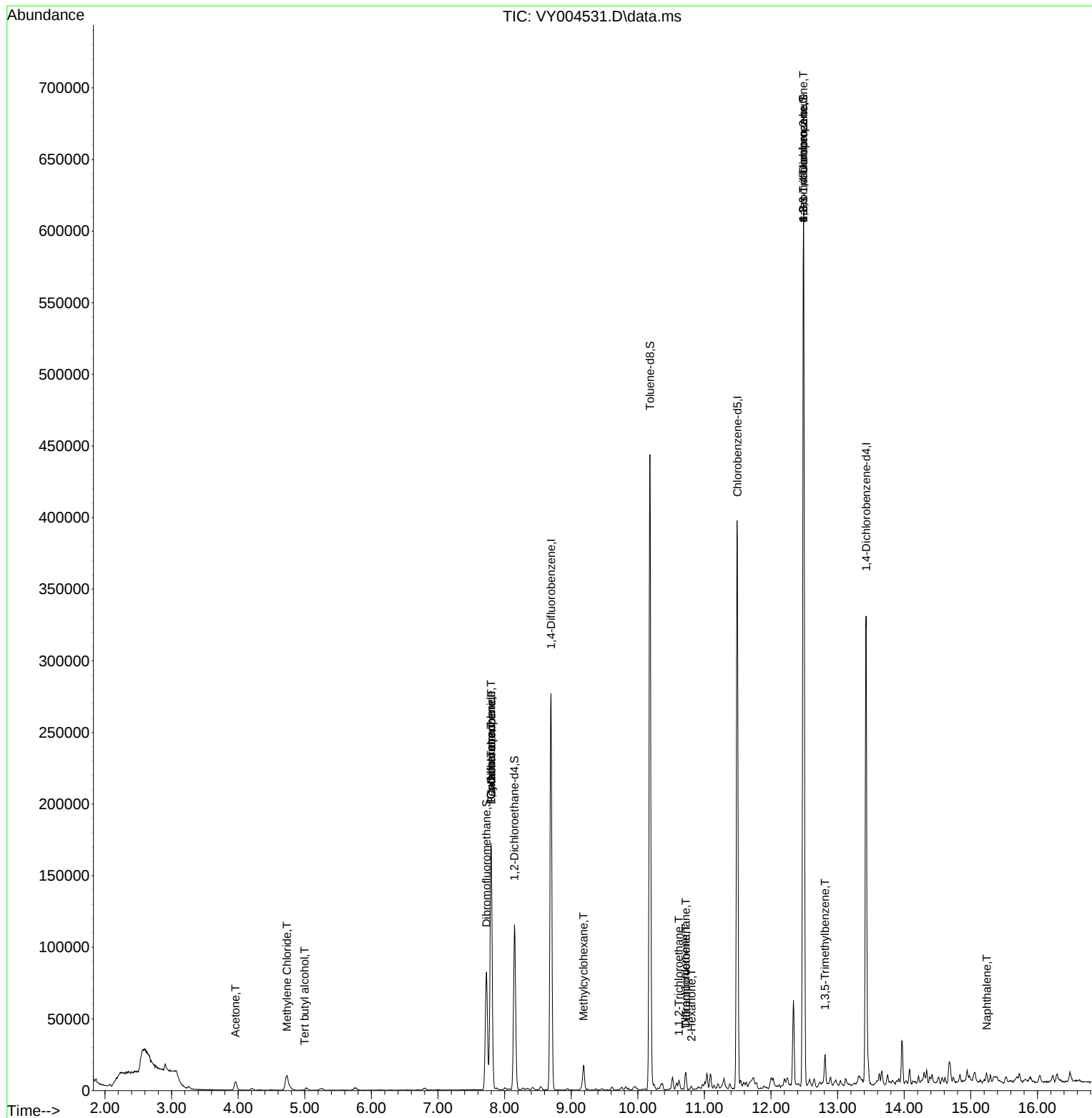
Internal Standards						
1) Pentafluorobenzene	7.801	168	128147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	224806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	204633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78604	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	85177	59.82	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.64%			
35) Dibromofluoromethane	7.728	113	55865	44.78	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.56%			
50) Toluene-d8	10.185	98	275127	51.85	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.70%			
62) 4-Bromofluorobenzene	12.483	95	88807	49.32	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.64%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.997	59	319	2.27	ug/l #	73
16) Acetone	3.960	43	10111	15.41	ug/l	94
20) Methylene Chloride	4.735	84	6874	5.00	ug/l	93
31) Cyclohexane	7.795	56	5198	1.99	ug/l #	30
36) 1,1-Dichloropropene	7.801	75	10347	4.63	ug/l #	50
38) Carbon Tetrachloride	7.795	117	13000	6.73	ug/l #	18
39) Methylcyclohexane	9.185	83	6687	2.43	ug/l	93
55) 1,1,2-Trichloroethane	10.618	97	2192	1.80	ug/l #	21
59) 2-Hexanone	10.807	43	1193	1.27	ug/l #	27
60) Dibromochloromethane	10.721	129	1703	1.18	ug/l #	10
64) Tetrachloroethene	10.721	164	2188	1.23	ug/l	85
76) 1,2,3-Trichloropropane	12.483	75	52723	62.49	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	7044	1.43	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	52723	111.80	ug/l #	14
95) Naphthalene	15.239	128	4509	1.39	ug/l #	94

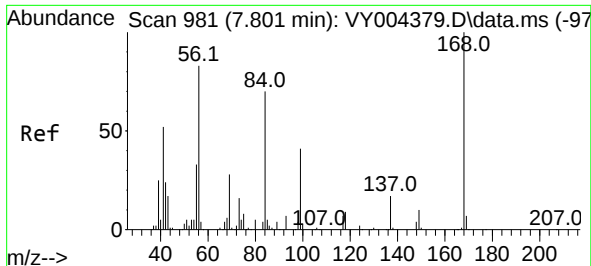
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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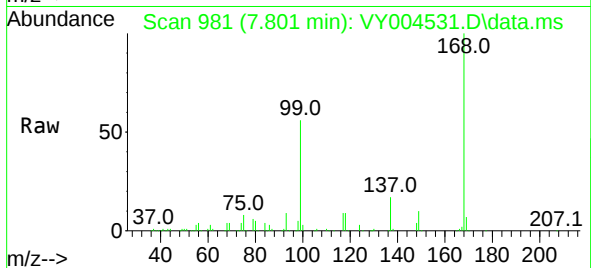
Quant Time: Apr 21 08:52:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
Response via : Initial Calibration



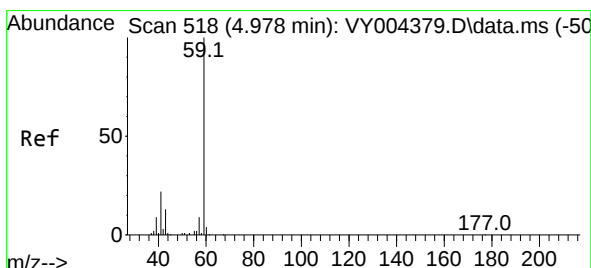
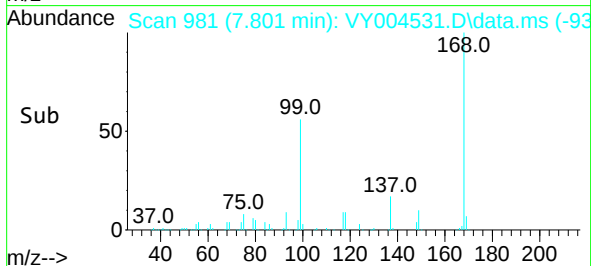
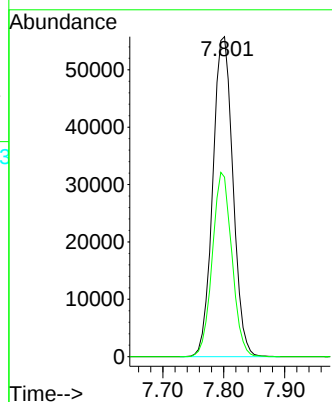


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

Instrument :
MSVOA_Y
ClientSampleId :

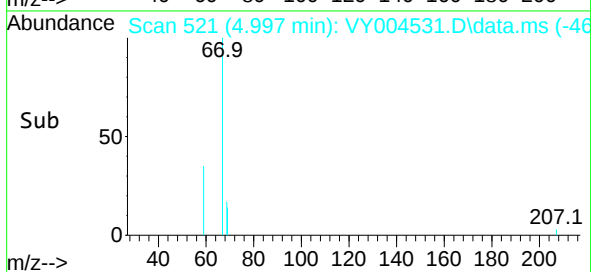
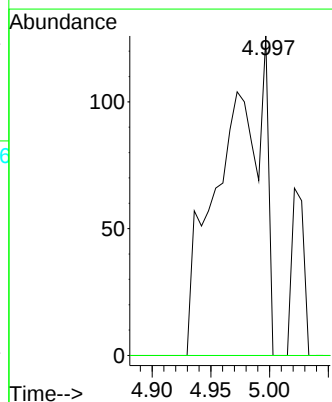
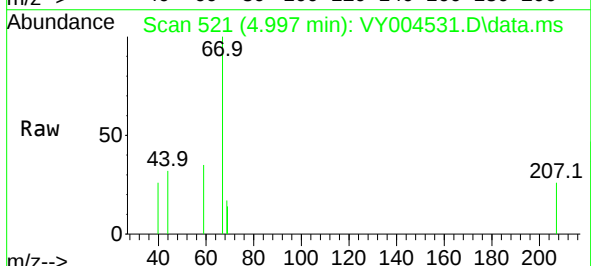


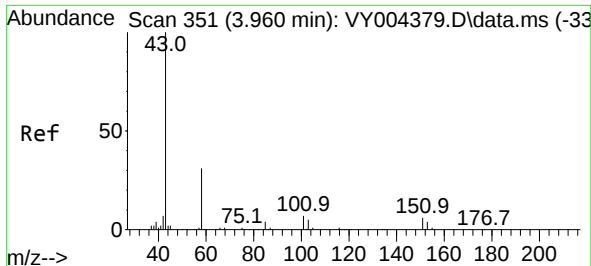
Tgt Ion:168 Resp: 128147
Ion Ratio Lower Upper
168 100
99 56.1 45.5 68.3



#11
Tert butyl alcohol
Concen: 2.27 ug/l
RT: 4.997 min Scan# 521
Delta R.T. 0.019 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

Tgt Ion: 59 Resp: 319
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

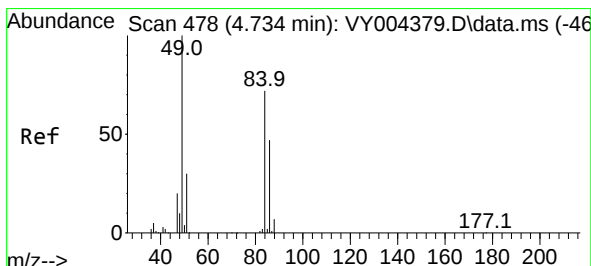
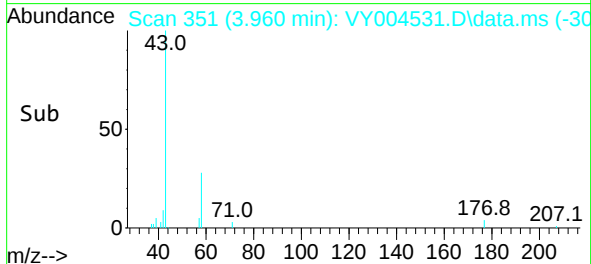
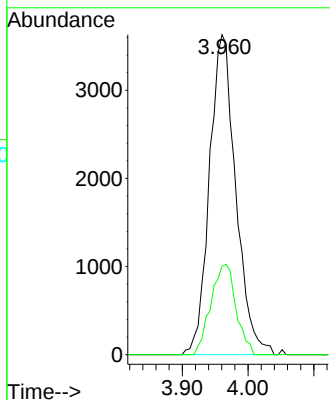
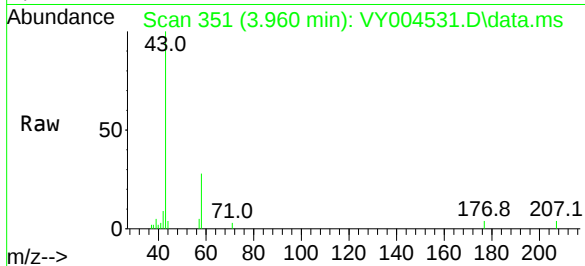




#16
Acetone
Concen: 15.41 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

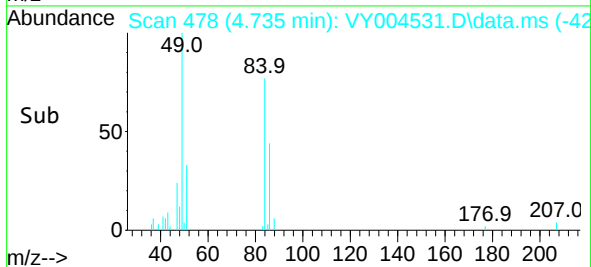
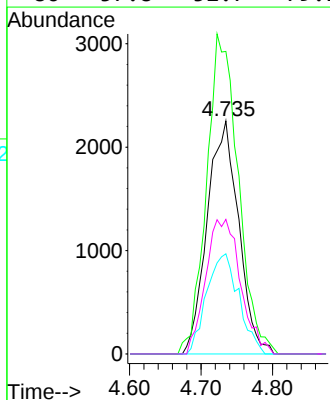
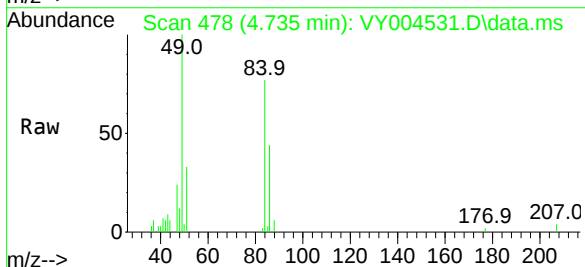
Instrument :
MSVOA_Y
ClientSampleId :

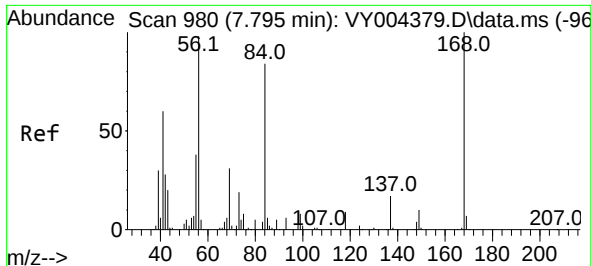
Tgt Ion: 43 Resp: 10111
Ion Ratio Lower Upper
43 100
58 27.7 24.6 37.0



#20
Methylene Chloride
Concen: 5.00 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.000 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

Tgt Ion: 84 Resp: 6874
Ion Ratio Lower Upper
84 100
49 129.9 111.2 166.8
51 43.0 33.4 50.2
86 57.8 52.7 79.1

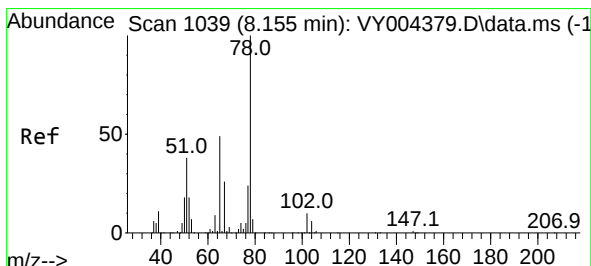
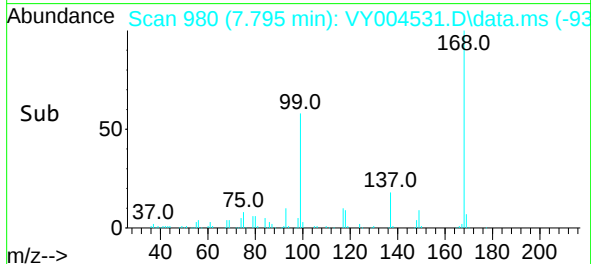
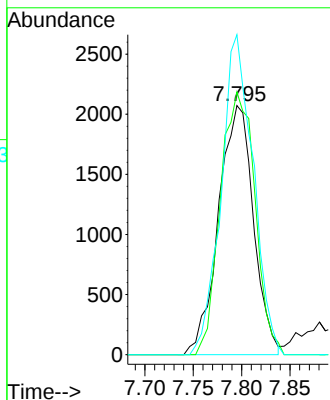
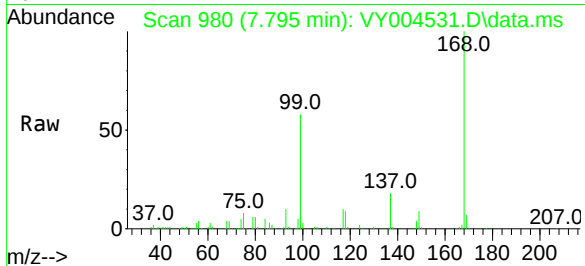




#31
Cyclohexane
Concen: 1.99 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

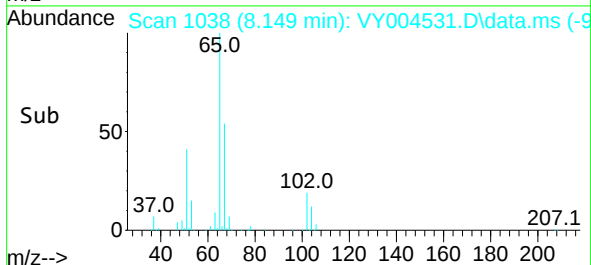
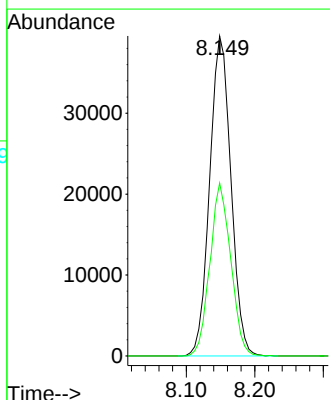
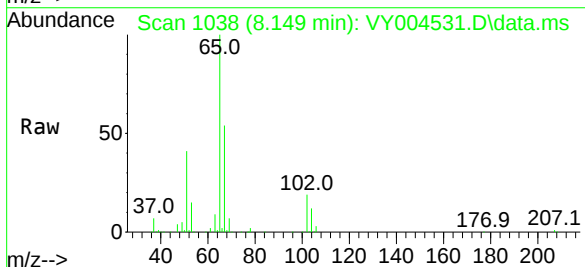
Instrument :
MSVOA_Y
ClientSampleId :

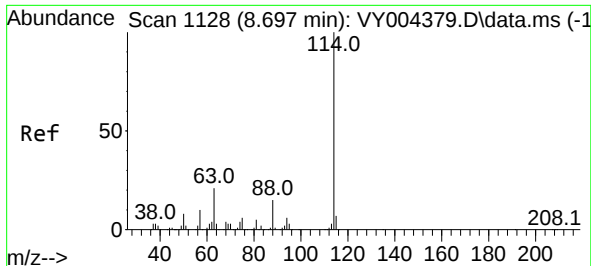
Tgt Ion: 56 Resp: 5198
Ion Ratio Lower Upper
56 100
69 105.5 25.8 38.6#
84 128.5 68.2 102.4#



#33
1,2-Dichloroethane-d4
Concen: 59.82 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

Tgt Ion: 65 Resp: 85177
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.4

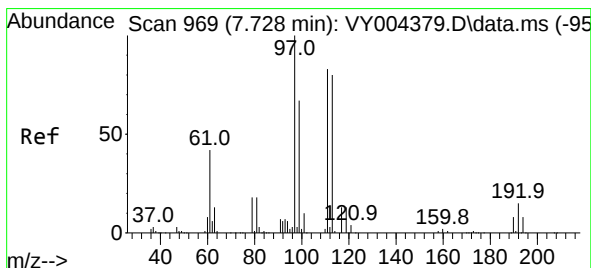
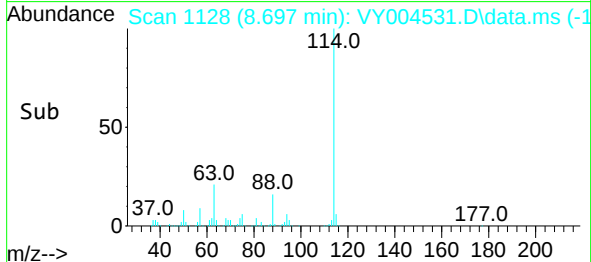
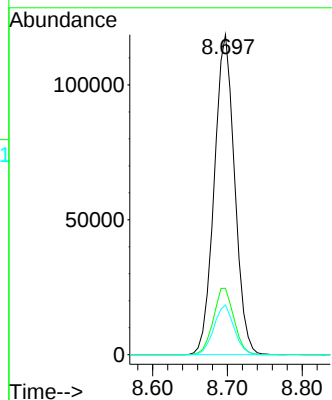
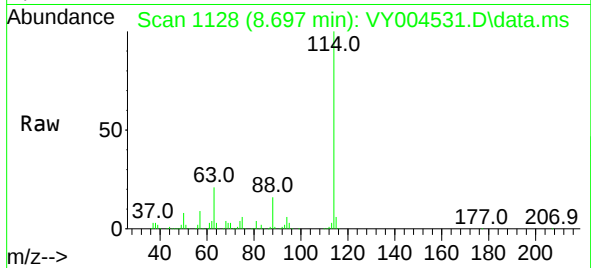




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

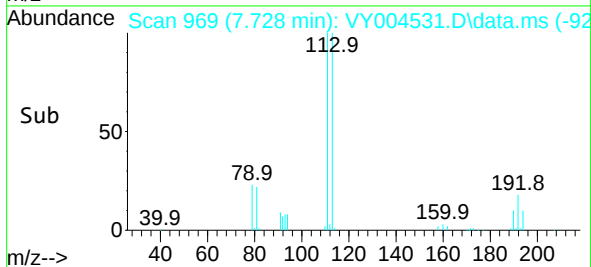
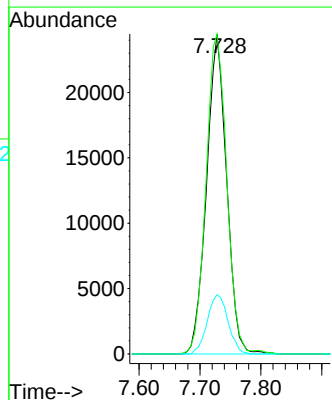
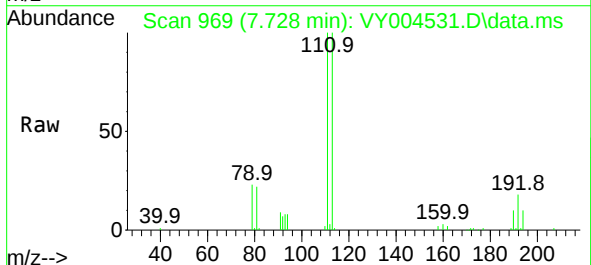
Instrument :
MSVOA_Y
ClientSampleId :

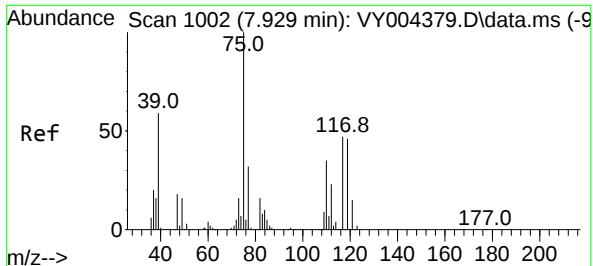
Tgt Ion:114 Resp: 224806
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.4
88 15.5 0.0 30.8



#35
Dibromofluoromethane
Concen: 44.78 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

Tgt Ion:113 Resp: 55865
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 19.2 16.1 24.1

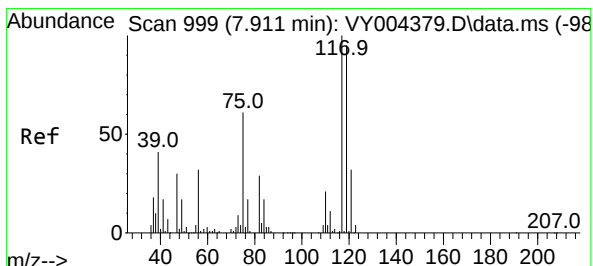
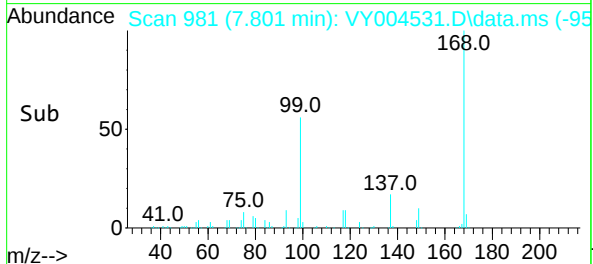
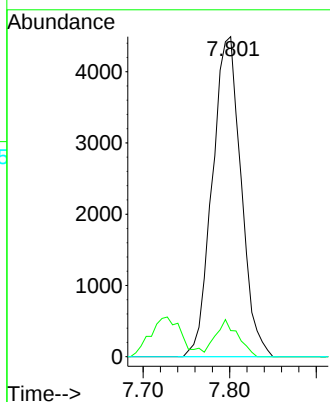
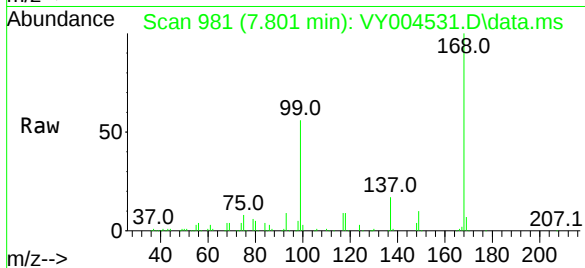




#36
1,1-Dichloropropene
Concen: 4.63 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

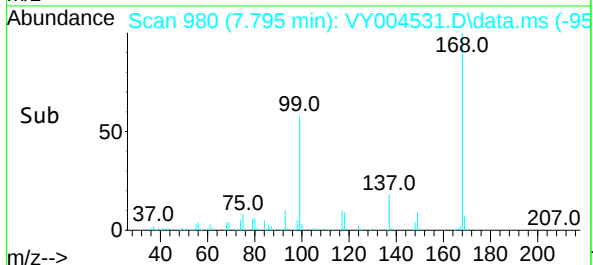
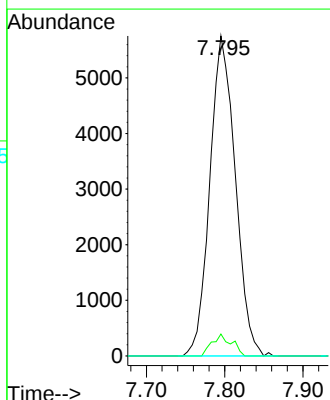
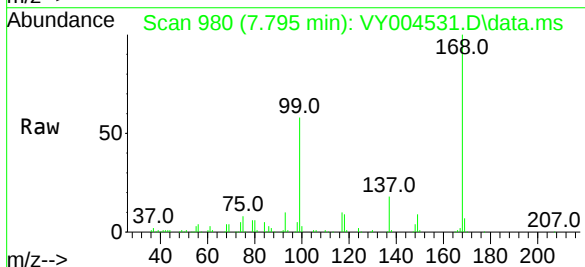
Instrument :
MSVOA_Y
ClientSampled :

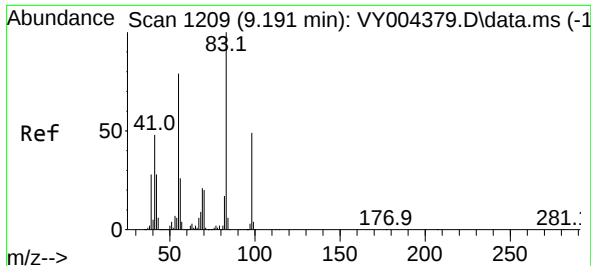
Tgt Ion: 75 Resp: 10347
Ion Ratio Lower Upper
75 100
110 9.0 17.3 51.7#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.73 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

Tgt Ion: 117 Resp: 13000
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.8#
121 0.0 25.3 37.9#

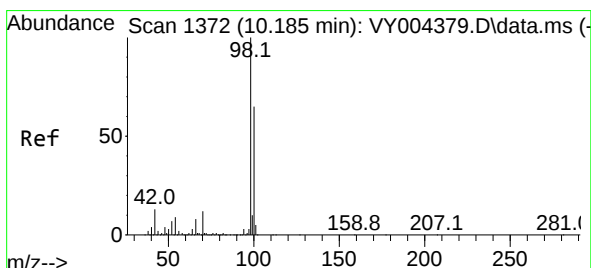
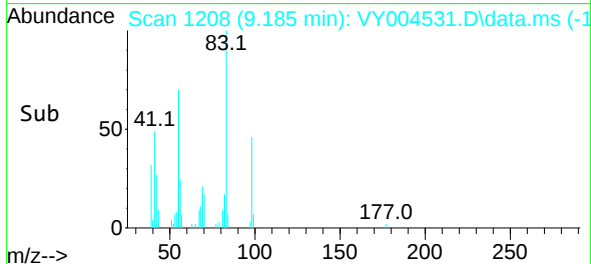
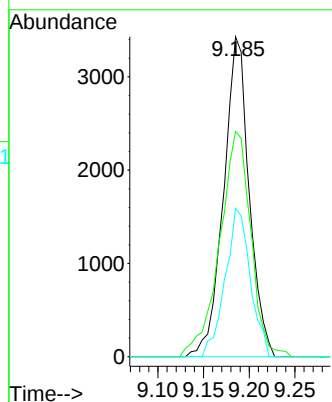
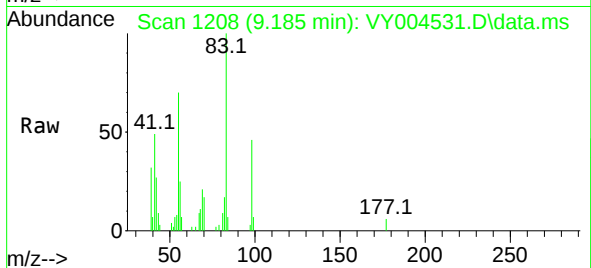




#39
Methylcyclohexane
Concen: 2.43 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

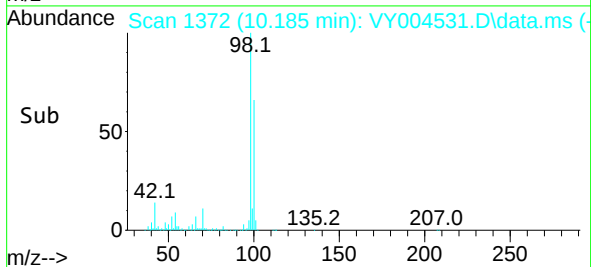
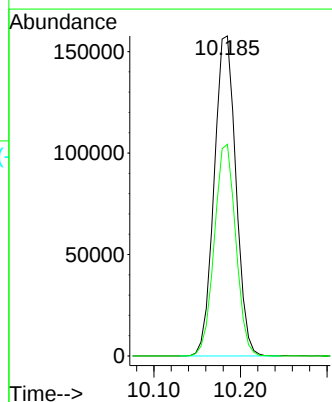
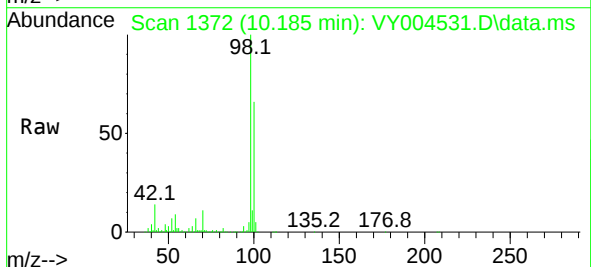
Instrument :
MSVOA_Y
ClientSampleId :

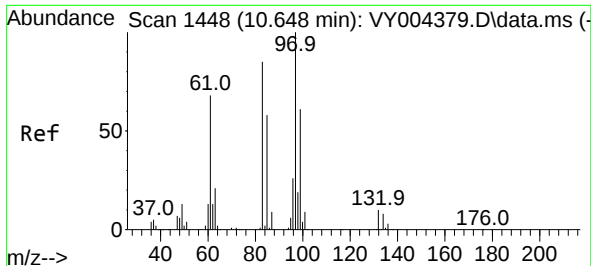
Tgt Ion: 83 Resp: 6687
Ion Ratio Lower Upper
83 100
55 70.4 63.0 94.4
98 46.3 39.2 58.8



#50
Toluene-d8
Concen: 51.85 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

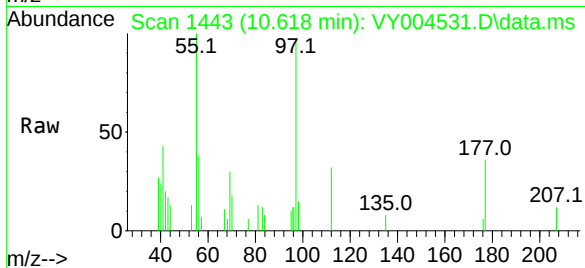
Tgt Ion: 98 Resp: 275127
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



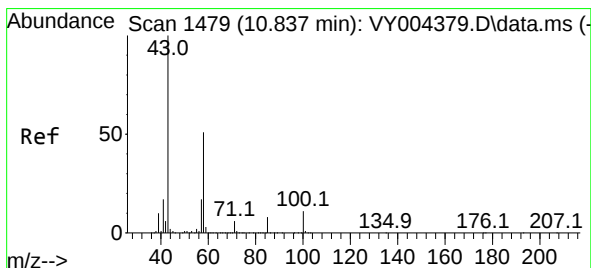
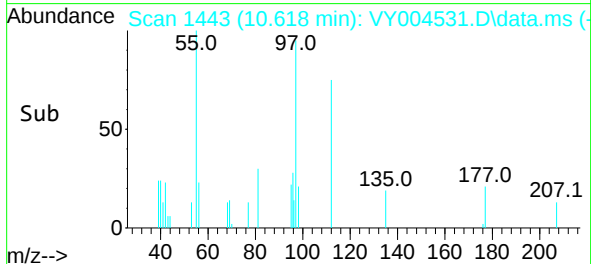
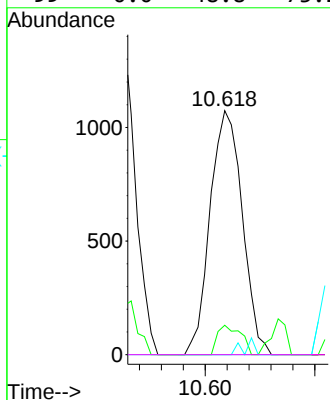


#55
1,1,2-Trichloroethane
Concen: 1.80 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

Instrument :
MSVOA_Y
ClientSampleId :

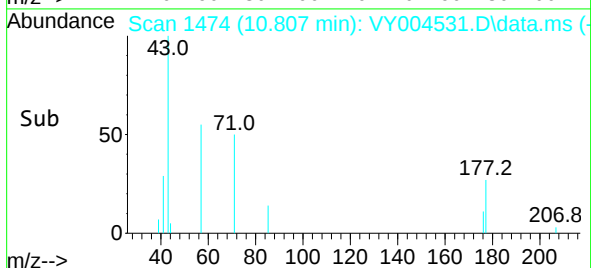
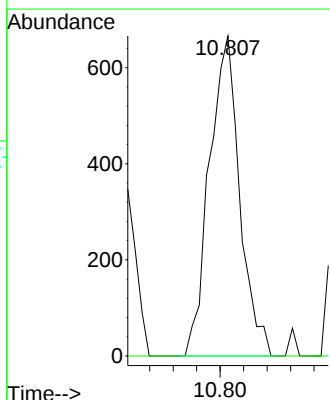
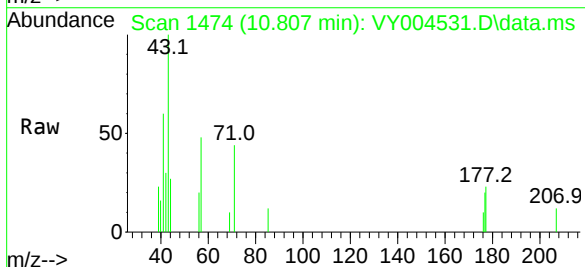


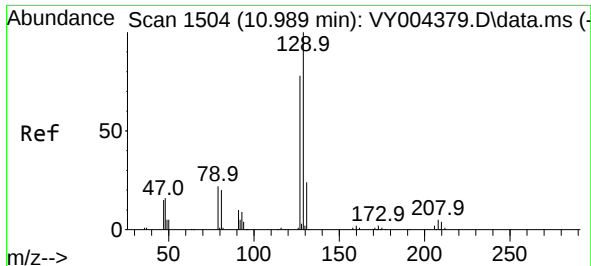
Tgt Ion	Ratio	Lower	Upper
97	100		
83	12.1	68.4	102.6#
85	0.0	46.2	69.4#
99	0.0	48.8	73.2#



#59
2-Hexanone
Concen: 1.27 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.4	76.4#

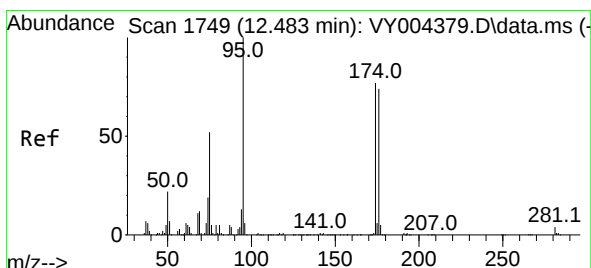
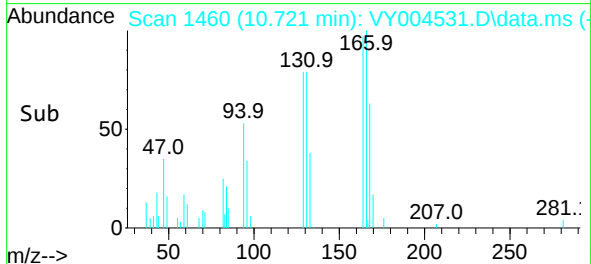
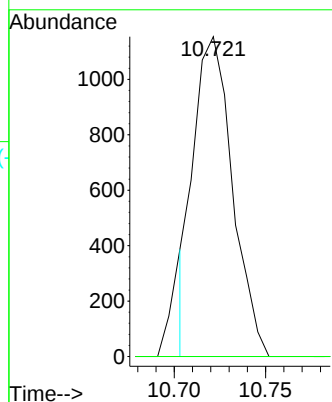
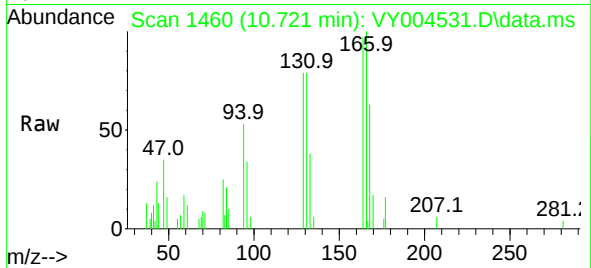




#60
Dibromochloromethane
Concen: 1.18 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.268 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

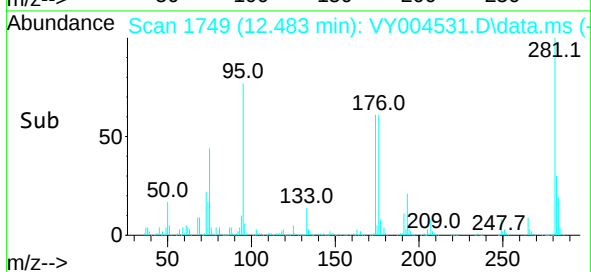
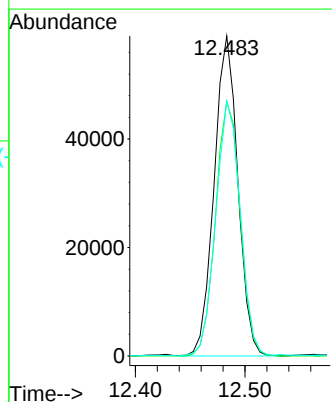
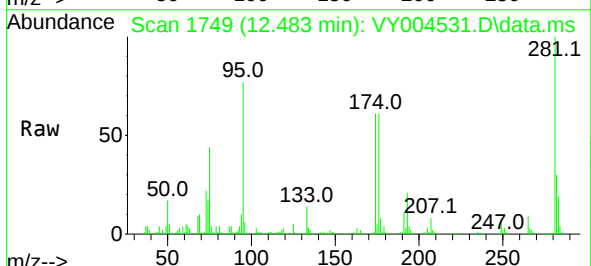
Instrument :
MSVOA_Y
ClientSampleId :

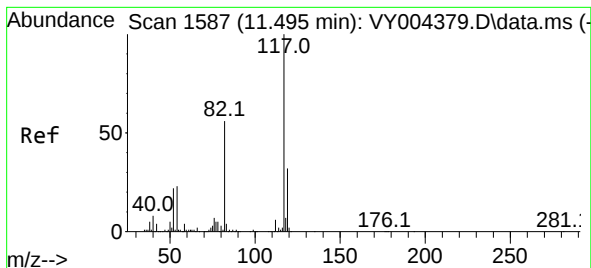
Tgt Ion:129 Resp: 1703
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#



#62
4-Bromofluorobenzene
Concen: 49.32 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

Tgt Ion: 95 Resp: 88807
Ion Ratio Lower Upper
95 100
174 82.2 0.0 162.4
176 82.3 0.0 156.0

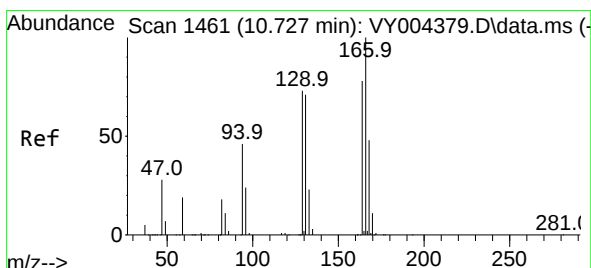
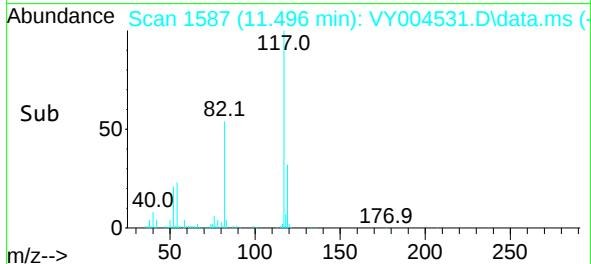
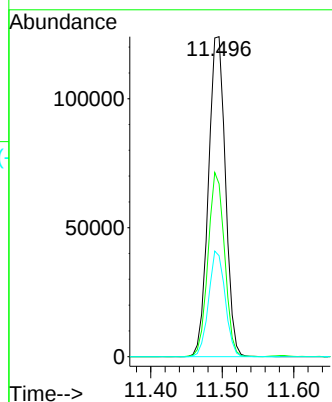
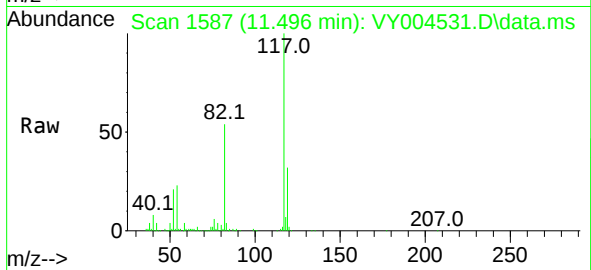




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

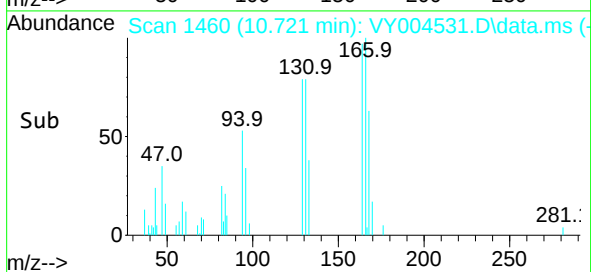
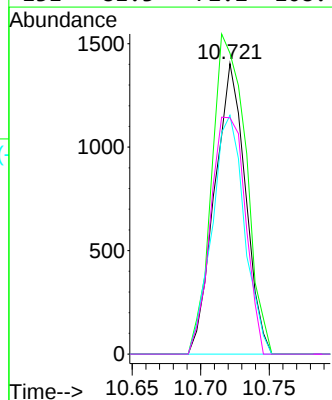
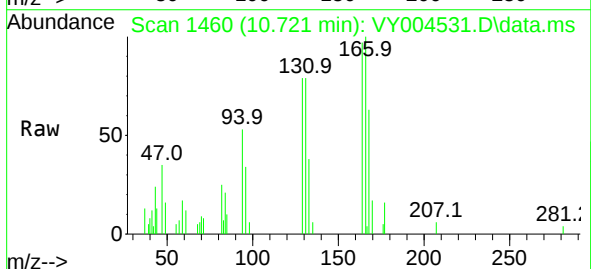
Instrument :
MSVOA_Y
ClientSampleId :

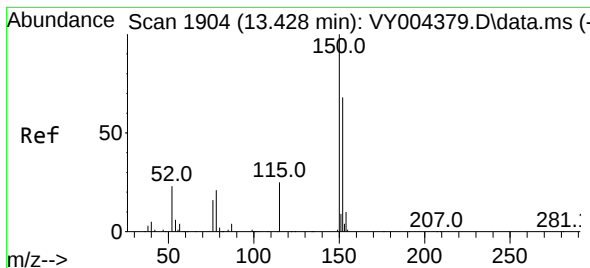
Tgt Ion:117 Resp: 204633
Ion Ratio Lower Upper
117 100
82 54.0 44.9 67.3
119 31.6 25.4 38.0



#64
Tetrachloroethene
Concen: 1.23 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VY004531.D
Acq: 20 Apr 2021 16:08

Tgt Ion:164 Resp: 2188
Ion Ratio Lower Upper
164 100
166 103.6 102.1 153.1
129 82.2 74.8 112.2
131 81.3 72.2 108.4

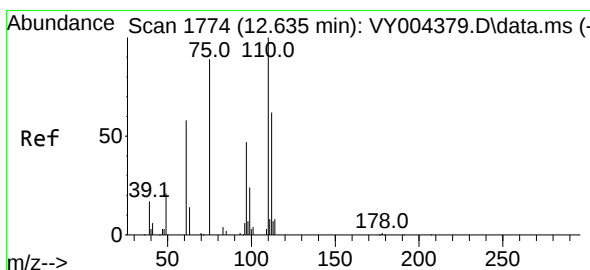
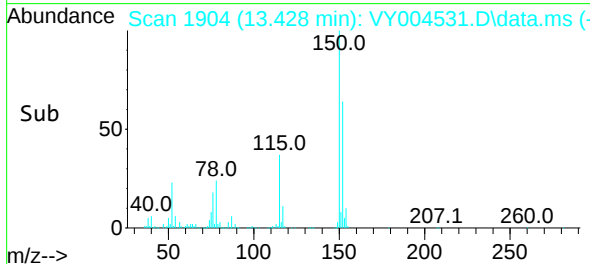
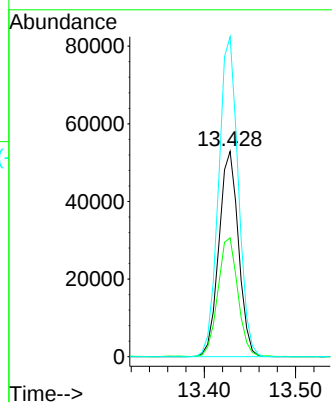
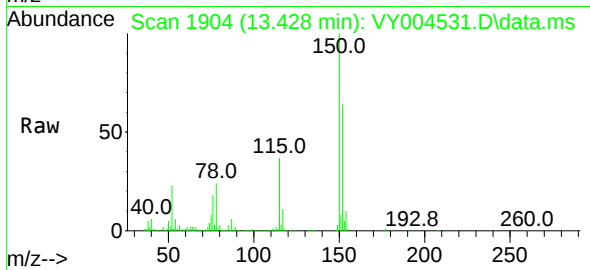




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY004531.D
 Acq: 20 Apr 2021 16:08

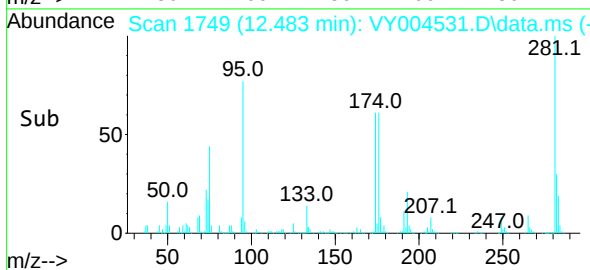
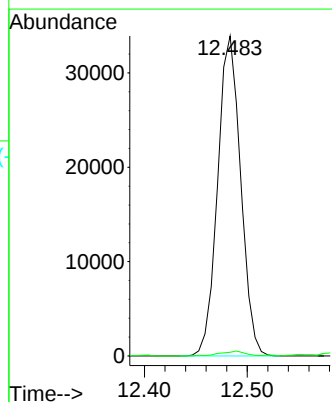
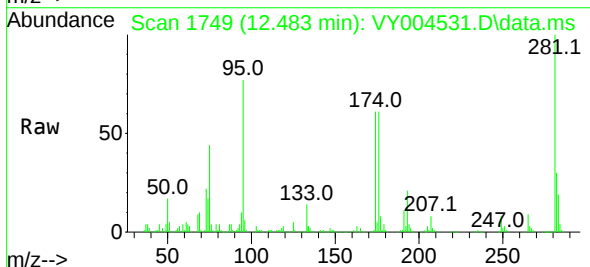
Instrument :
 MSVOA_Y
 ClientSampleId :

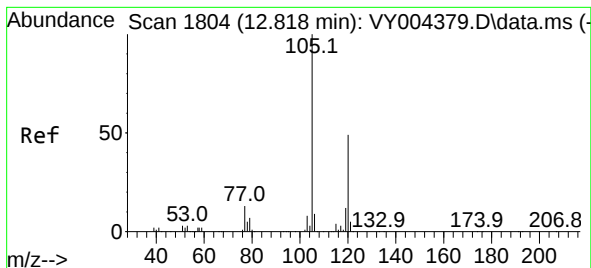
Tgt Ion:152 Resp: 78604
 Ion Ratio Lower Upper
 152 100
 115 59.4 29.6 88.8
 150 156.3 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 62.49 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY004531.D
 Acq: 20 Apr 2021 16:08

Tgt Ion: 75 Resp: 52723
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.43 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.006 min

Lab File: VY004531.D

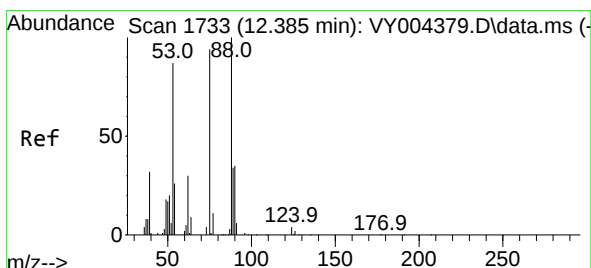
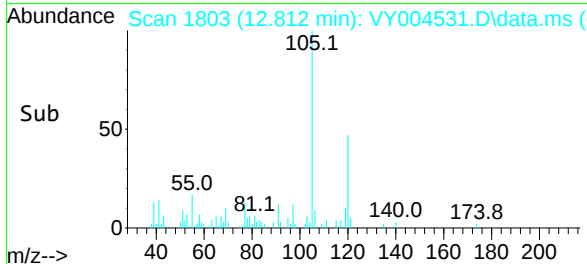
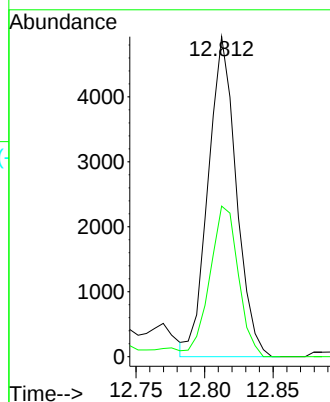
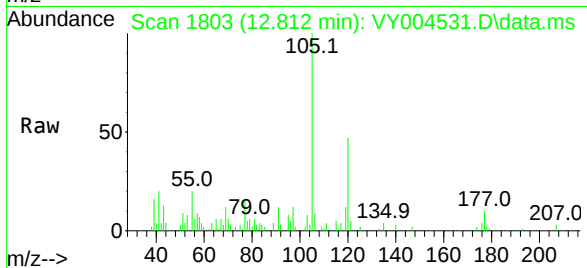
Acq: 20 Apr 2021 16:08

Tgt Ion:105 Resp: 7044

Ion Ratio Lower Upper

105 100

120 47.7 24.6 74.0



#81

trans-1,4-Dichloro-2-butene

Concen: 111.80 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.098 min

Lab File: VY004531.D

Acq: 20 Apr 2021 16:08

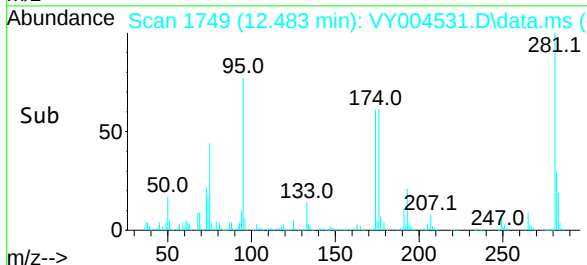
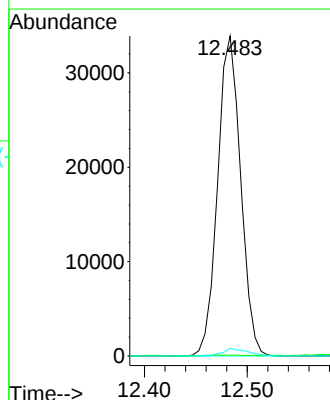
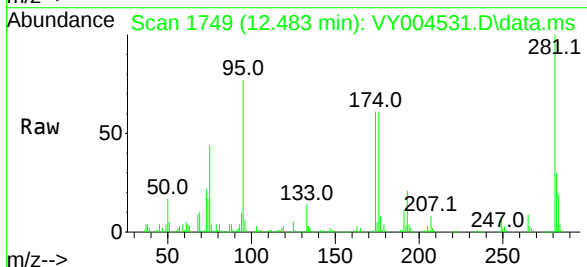
Tgt Ion: 75 Resp: 52723

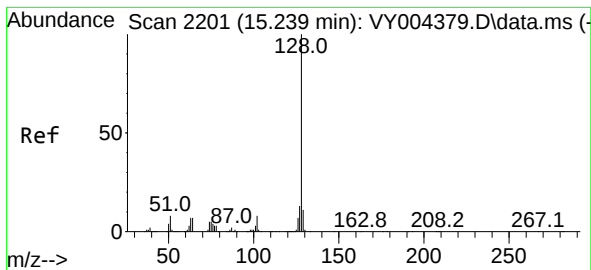
Ion Ratio Lower Upper

75 100

53 0.5 75.0 112.6#

89 2.6 36.1 54.1#





#95
 Naphthalene
 Concen: 1.39 ug/l
 RT: 15.239 min Scan# 2201
 Delta R.T. 0.000 min
 Lab File: VY004531.D
 Acq: 20 Apr 2021 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:128 Resp: 4509
 Ion Ratio Lower Upper
 128 100
 127 14.3 10.2 15.2
 129 14.2 8.8 13.2#

