

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042121\
 Data File : VY004557.D
 Acq On : 21 Apr 2021 15:46
 Operator : SY/MD
 Sample : M2111-05
 Misc : 5.04G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 11:09:08 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)

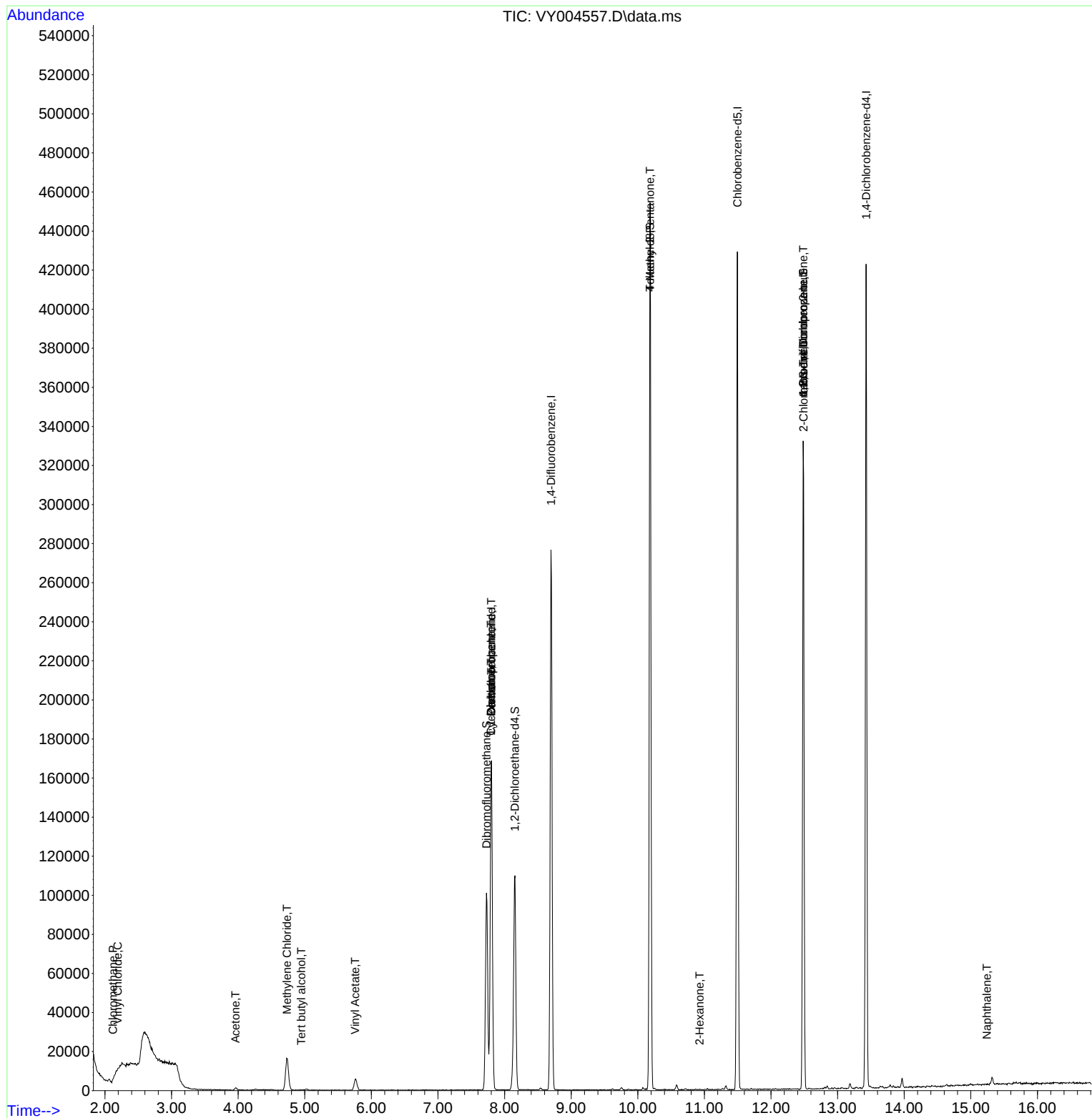
Internal Standards						
1) Pentafluorobenzene	7.801	168	126682	50.00	ug/l	0.21
34) 1,4-Difluorobenzene	8.697	114	224656	50.00	ug/l	0.18
63) Chlorobenzene-d5	11.495	117	214970	50.00	ug/l	0.15
72) 1,4-Dichlorobenzene-d4	13.428	152	97241	50.00	ug/l	0.14
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	84137	54.36	ug/l	0.20
Spiked Amount 50.000			Recovery	=	108.72%	
35) Dibromofluoromethane	7.728	113	70743	50.29	ug/l	0.21
Spiked Amount 50.000			Recovery	=	100.58%	
50) Toluene-d8	10.185	98	278637	50.79	ug/l	0.16
Spiked Amount 50.000			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.483	95	94541	50.32	ug/l	0.14
Spiked Amount 50.000			Recovery	=	100.64%	
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	434	0.21	ug/l #	78
4) Vinyl Chloride	2.192	62	4757	2.62	ug/l #	43
11) Tert butyl alcohol	4.948	59	143	0.73	ug/l #	73
16) Acetone	3.960	43	1937	3.34	ug/l	92
20) Methylene Chloride	4.734	84	12156	7.06	ug/l	93
23) Vinyl Acetate	5.759	43	2984	0.77	ug/l #	59
31) Cyclohexane	7.795	56	3134	1.24	ug/l #	11
36) 1,1-Dichloropropene	7.795	75	10387	4.97	ug/l #	49
38) Carbon Tetrachloride	7.801	117	12911	6.49	ug/l #	18
51) 4-Methyl-2-Pentanone	10.185	43	1506	0.77	ug/l #	1
59) 2-Hexanone	10.928	43	80	16.69	ug/l #	23
76) 1,2,3-Trichloropropane	12.483	75	53238	25.59	ug/l #	100
79) 2-Chlorotoluene	12.489	91	492	1.03	ug/l #	63
81) trans-1,4-Dichloro-2-b...	12.483	75	53185	75.16	ug/l #	12
95) Naphthalene	15.239	128	252	1.90	ug/l #	69

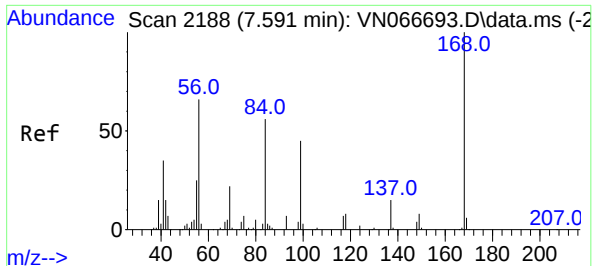
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 22 11:09:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
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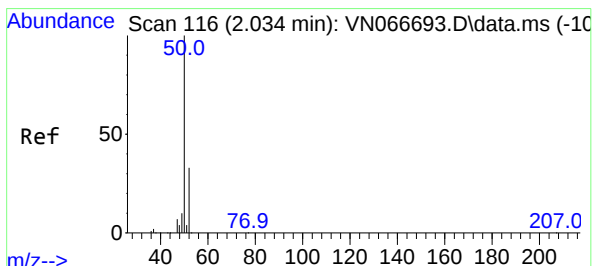
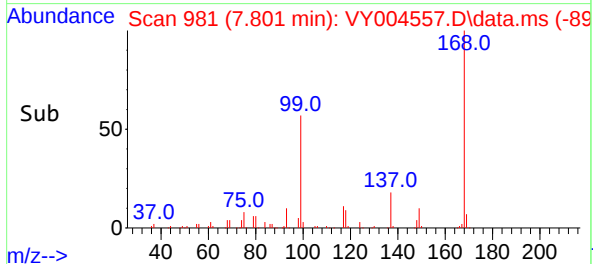
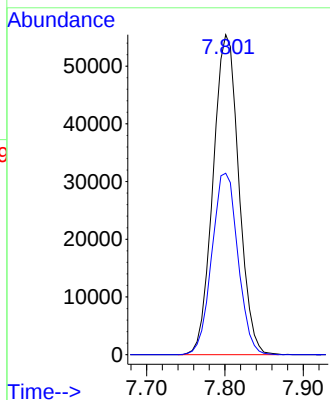
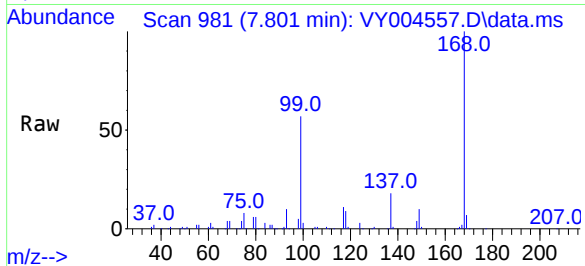




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.210 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

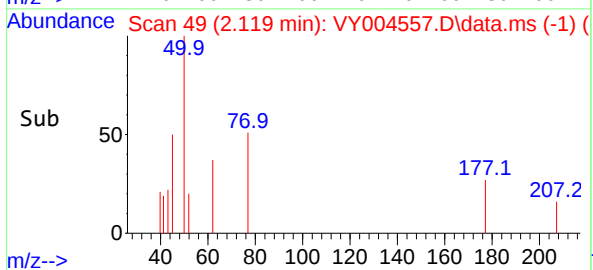
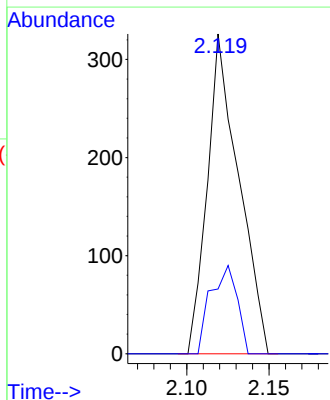
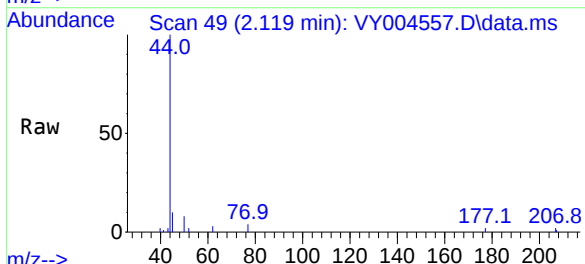
Instrument :
MSVOA_Y
ClientSampleId :

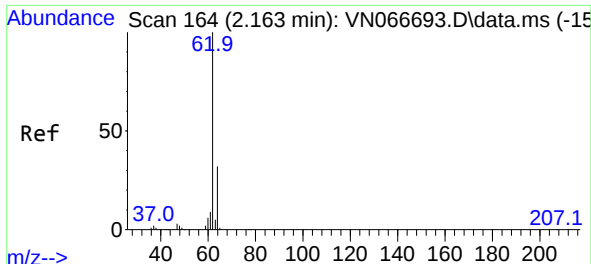
Tgt Ion:168 Resp: 126682
Ion Ratio Lower Upper
168 100
99 56.7 42.6 63.8



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.085 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

Tgt Ion: 50 Resp: 434
Ion Ratio Lower Upper
50 100
52 20.2 25.8 38.8#

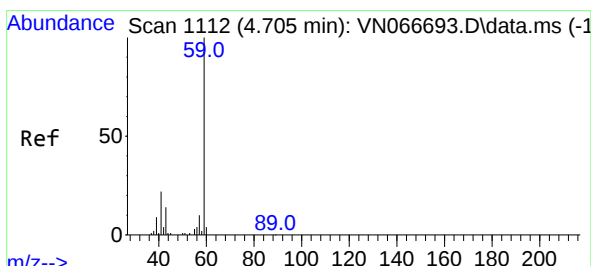
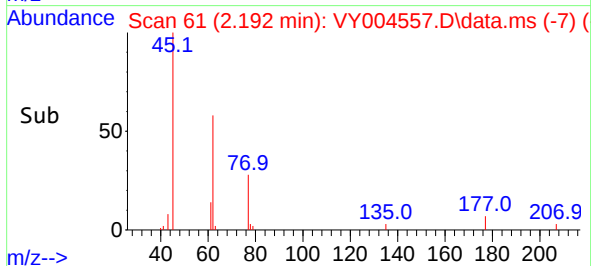
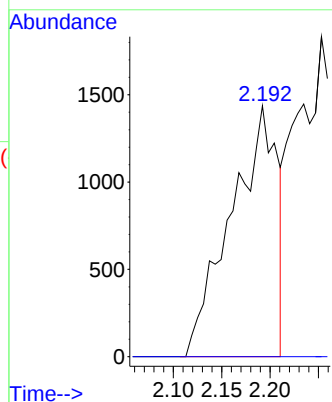
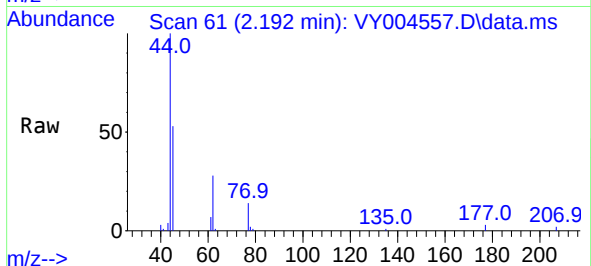




#4
 Vinyl Chloride
 Concen: 2.62 ug/l
 RT: 2.192 min Scan# 61
 Delta R.T. 0.029 min
 Lab File: VY004557.D
 Acq: 21 Apr 2021 15:46

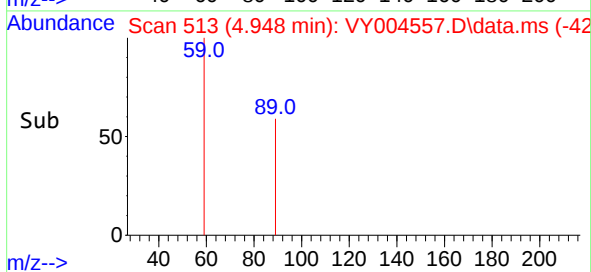
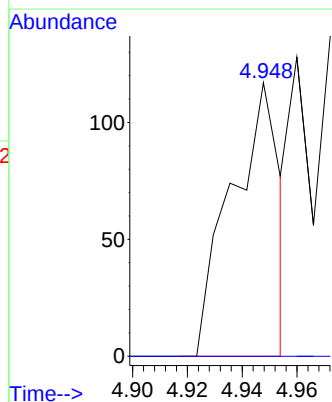
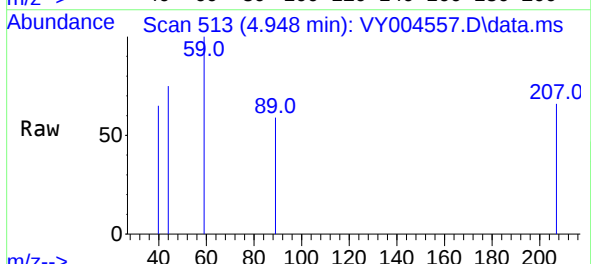
Instrument :
 MSVOA_Y
 ClientSampleId :

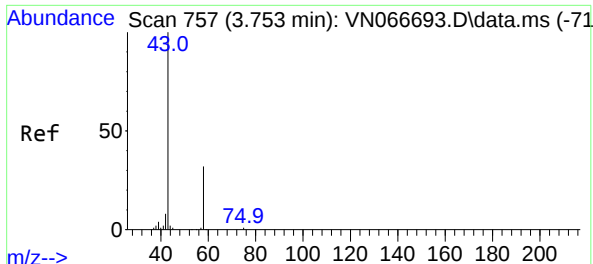
Tgt Ion: 62 Resp: 4757
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.1 37.7#



#11
 Tert butyl alcohol
 Concen: 0.73 ug/l
 RT: 4.948 min Scan# 513
 Delta R.T. 0.243 min
 Lab File: VY004557.D
 Acq: 21 Apr 2021 15:46

Tgt Ion: 59 Resp: 143
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

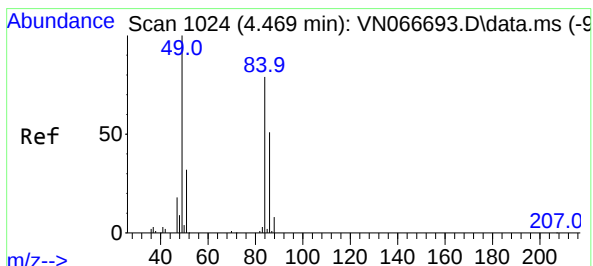
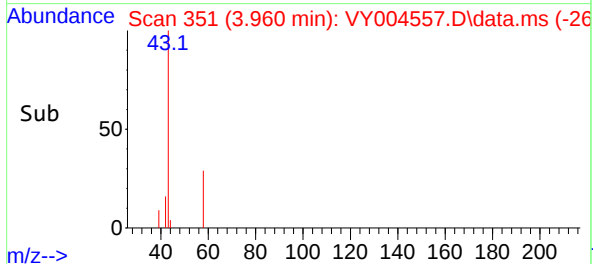
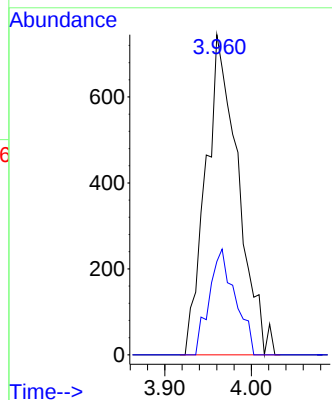
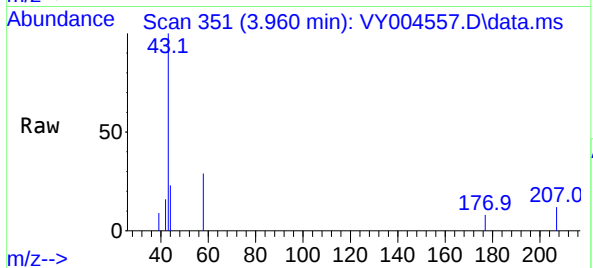




#16
Acetone
Concen: 3.34 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.207 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

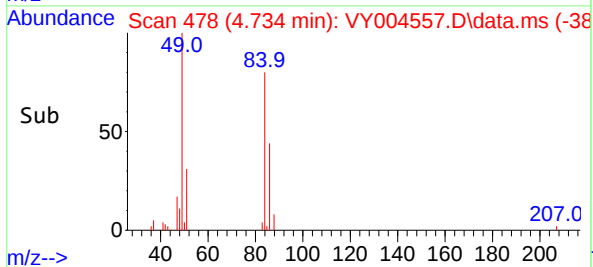
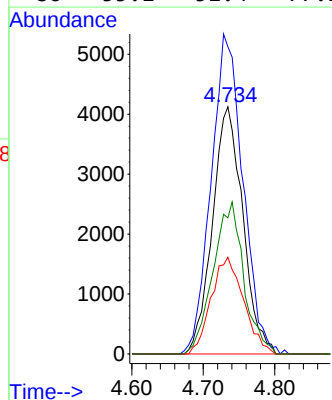
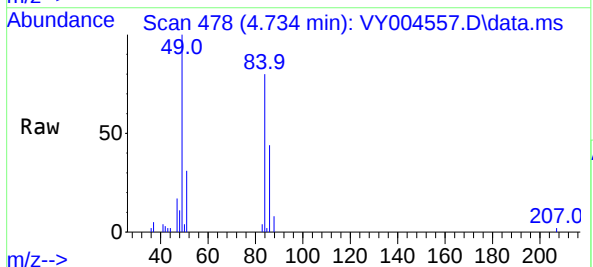
Instrument :
MSVOA_Y
ClientSampleId :

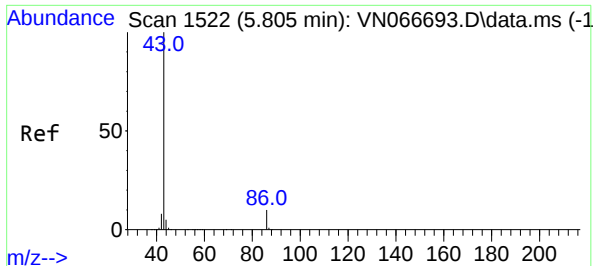
Tgt Ion: 43 Resp: 1937
Ion Ratio Lower Upper
43 100
58 29.1 27.0 40.6



#20
Methylene Chloride
Concen: 7.06 ug/l
RT: 4.734 min Scan# 478
Delta R.T. 0.265 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

Tgt Ion: 84 Resp: 12156
Ion Ratio Lower Upper
84 100
49 124.3 94.6 141.8
51 39.1 29.9 44.9
86 55.1 51.4 77.2

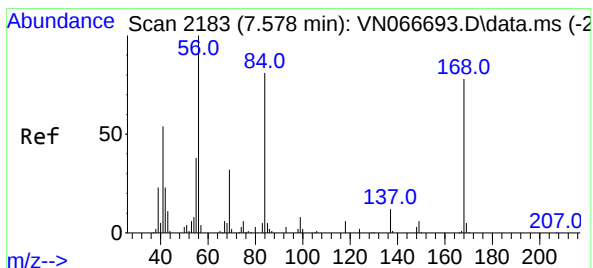
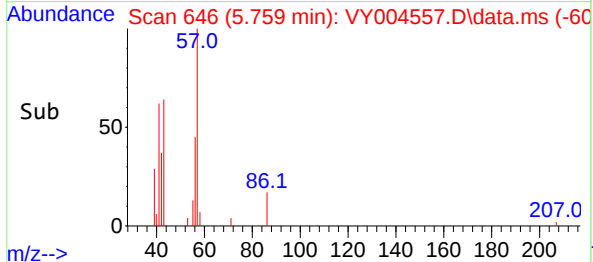
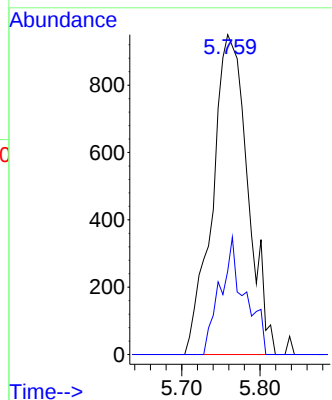
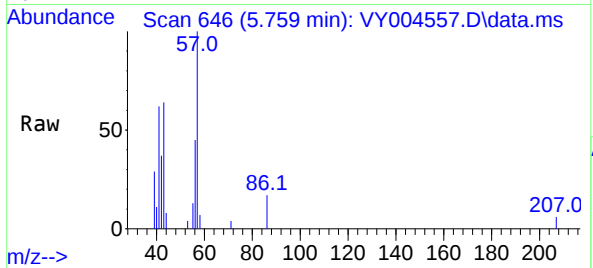




#23
 Vinyl Acetate
 Concen: 0.77 ug/l
 RT: 5.759 min Scan# 646
 Delta R.T. -0.046 min
 Lab File: VY004557.D
 Acq: 21 Apr 2021 15:46

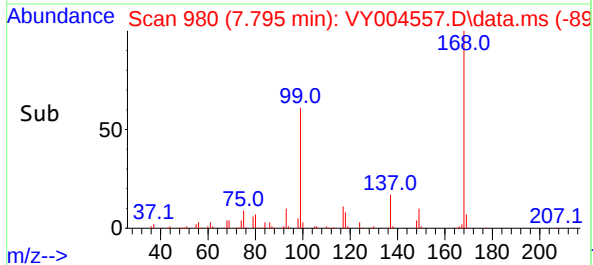
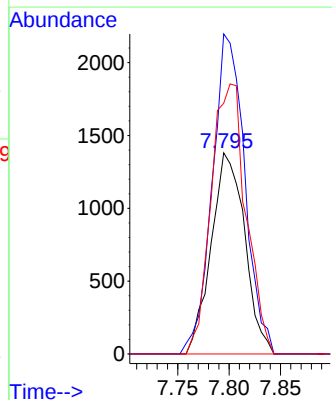
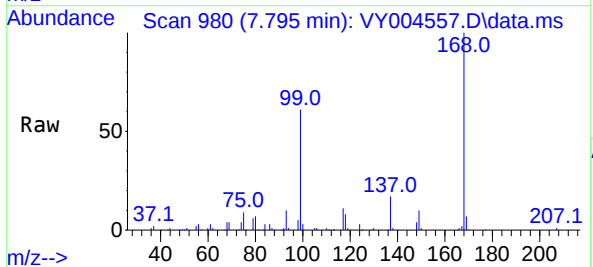
Instrument :
 MSVOA_Y
 ClientSampled :

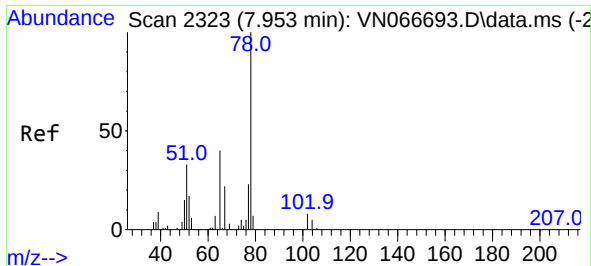
Tgt Ion: 43 Resp: 2984
 Ion Ratio Lower Upper
 43 100
 86 26.1 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.24 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. 0.217 min
 Lab File: VY004557.D
 Acq: 21 Apr 2021 15:46

Tgt Ion: 56 Resp: 3134
 Ion Ratio Lower Upper
 56 100
 69 159.1 26.6 39.8#
 84 124.6 70.4 105.6#



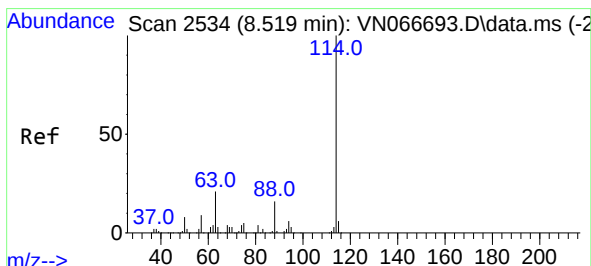
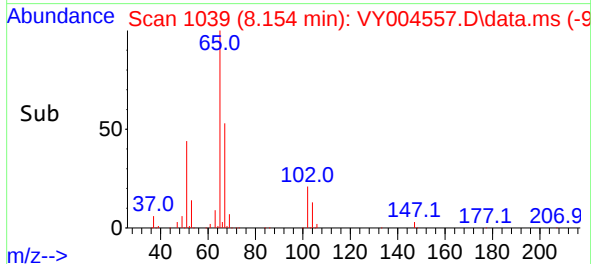
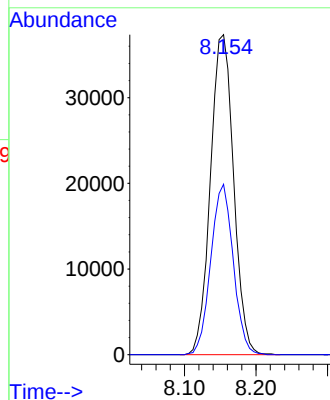
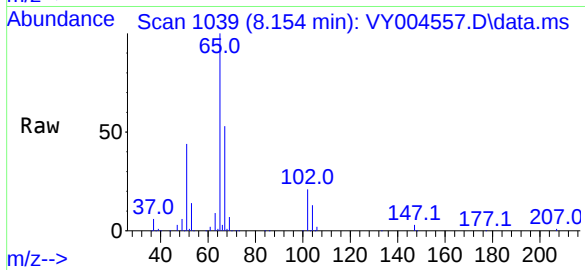


#33

1,2-Dichloroethane-d4
Concen: 54.36 ug/l
RT: 8.154 min Scan# 1039
Delta R.T. 0.201 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

Instrument :
MSVOA_Y
ClientSampleId :

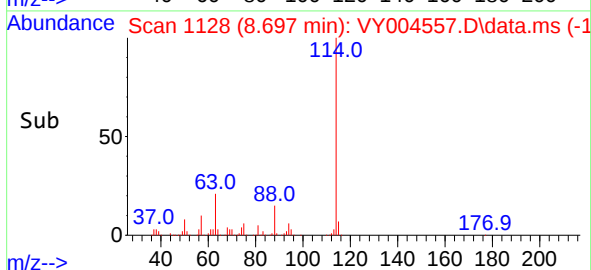
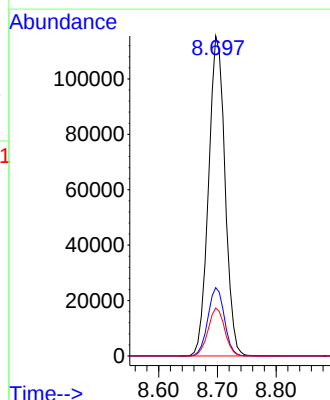
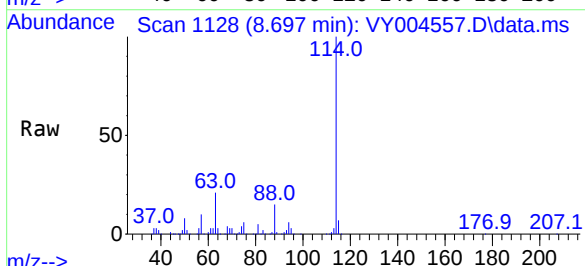
Tgt Ion: 65 Resp: 84137
Ion Ratio Lower Upper
65 100
67 51.5 0.0 107.2

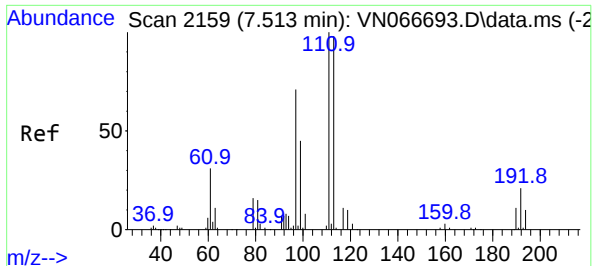


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.178 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

Tgt Ion: 114 Resp: 224656
Ion Ratio Lower Upper
114 100
63 21.3 0.0 38.6
88 15.0 0.0 30.6

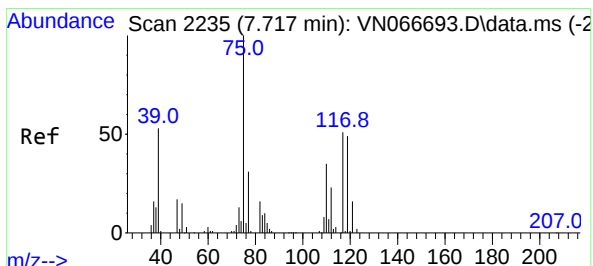
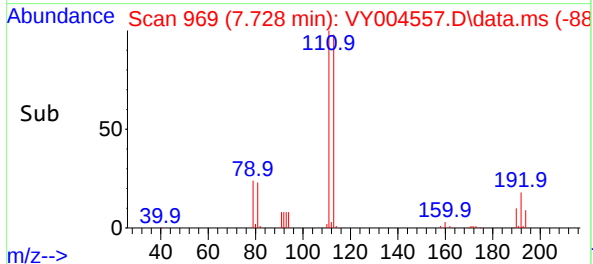
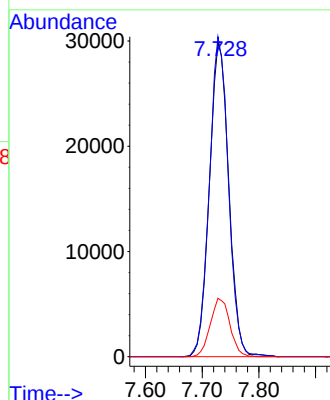
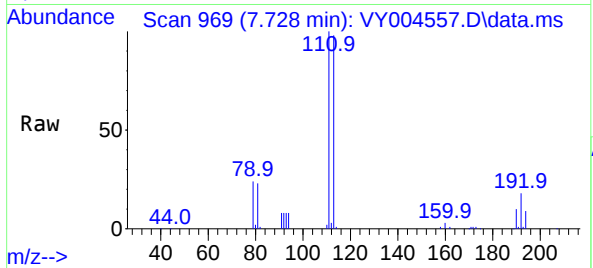




#35
Dibromofluoromethane
Concen: 50.29 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.215 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

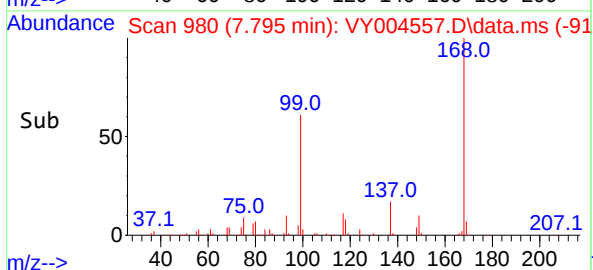
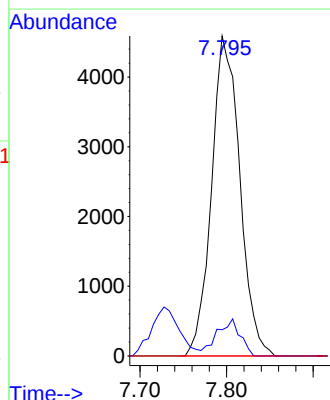
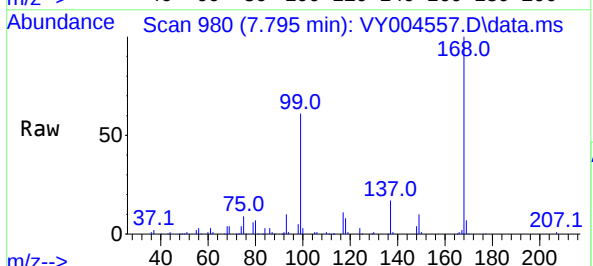
Instrument :
MSVOA_Y
ClientSampleId :

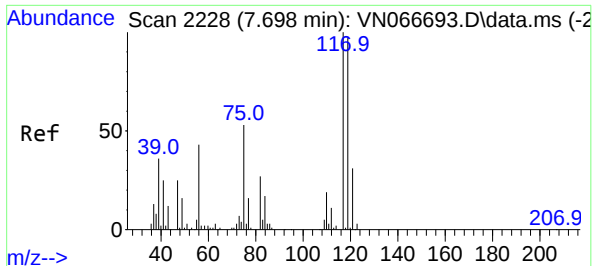
Tgt Ion:113 Resp: 70743
Ion Ratio Lower Upper
113 100
111 100.5 82.2 123.2
192 18.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.97 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.078 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

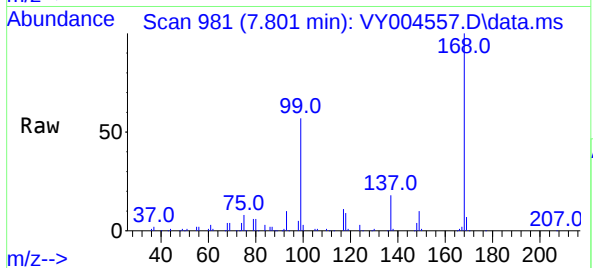
Tgt Ion: 75 Resp: 10387
Ion Ratio Lower Upper
75 100
110 9.4 18.2 54.6#
77 0.0 24.9 37.3#



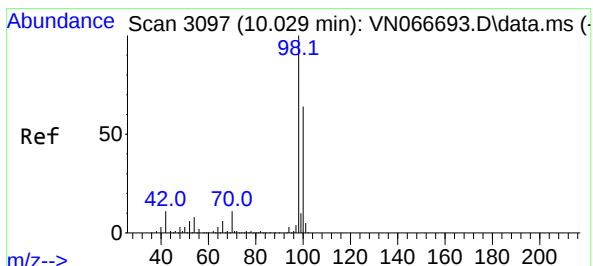
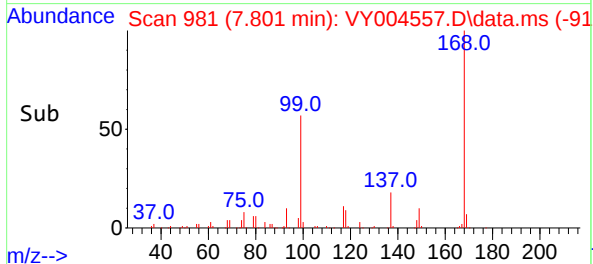
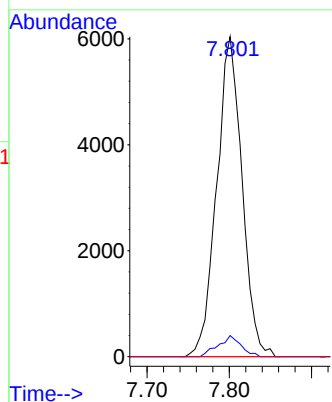


#38
Carbon Tetrachloride
Concen: 6.49 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.103 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

Instrument :
MSVOA_Y
ClientSampleId :

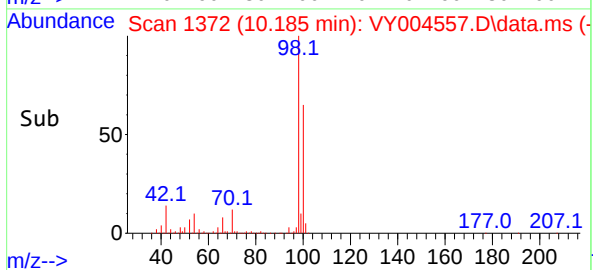
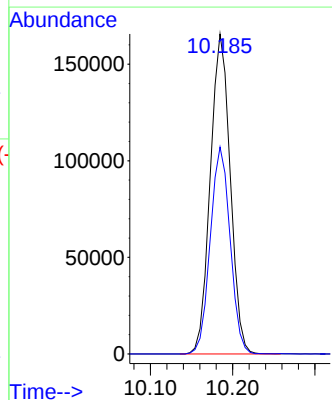
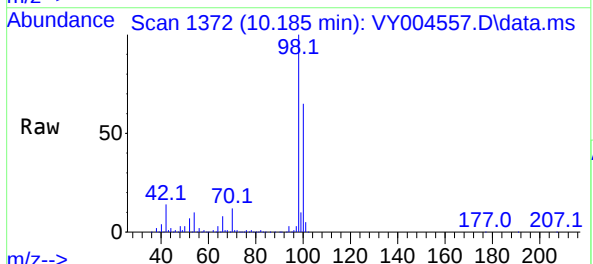


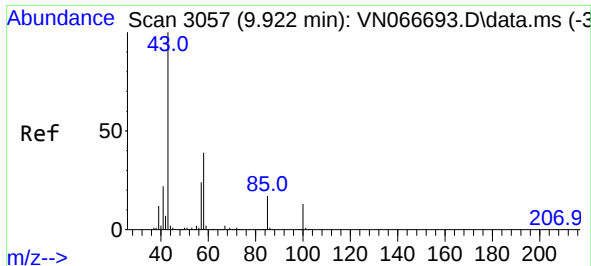
Tgt Ion:117 Resp: 12911
Ion Ratio Lower Upper
117 100
119 6.6 76.0 114.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.79 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.156 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

Tgt Ion: 98 Resp: 278637
Ion Ratio Lower Upper
98 100
100 64.4 50.5 75.7

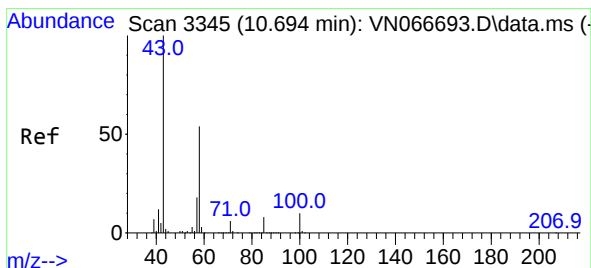
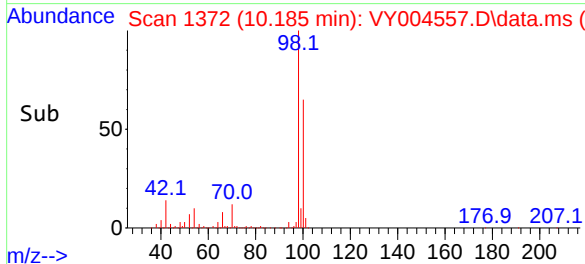
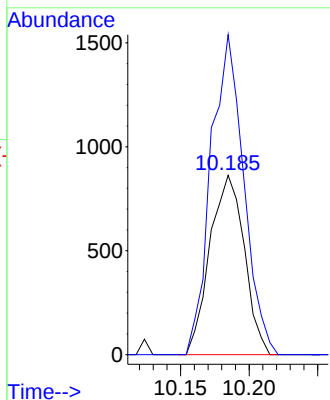
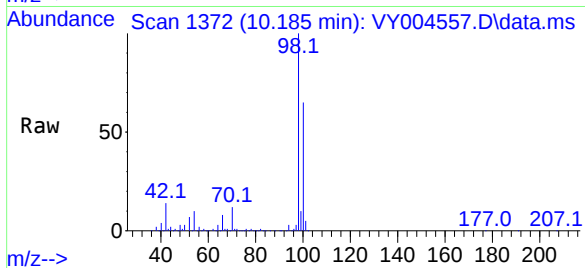




#51
4-Methyl-2-Pentanone
Concen: 0.77 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.263 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

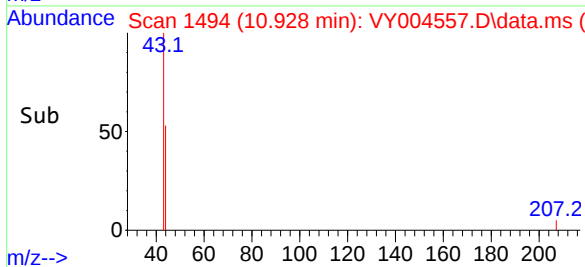
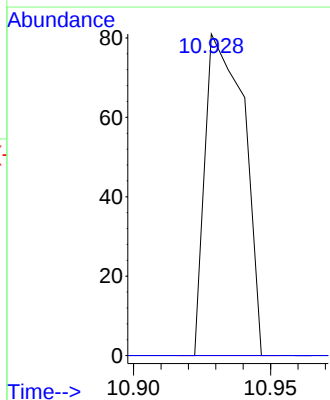
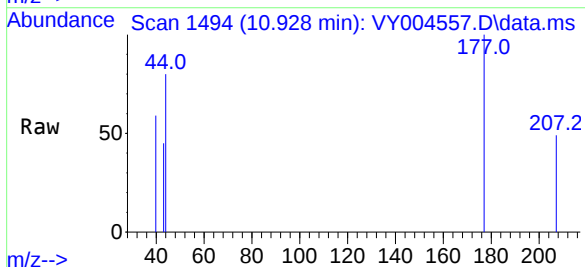
Instrument :
MSVOA_Y
ClientSampled :

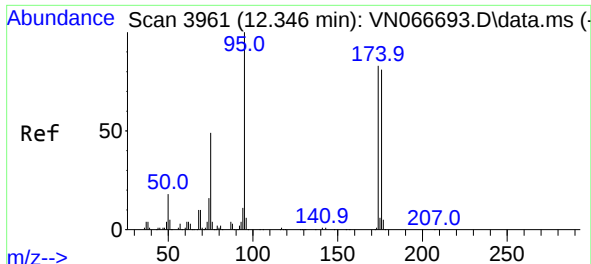
Tgt Ion: 43 Resp: 1506
Ion Ratio Lower Upper
43 100
58 170.3 32.5 48.7#



#59
2-Hexanone
Concen: 16.69 ug/l
RT: 10.928 min Scan# 1494
Delta R.T. 0.234 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

Tgt Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

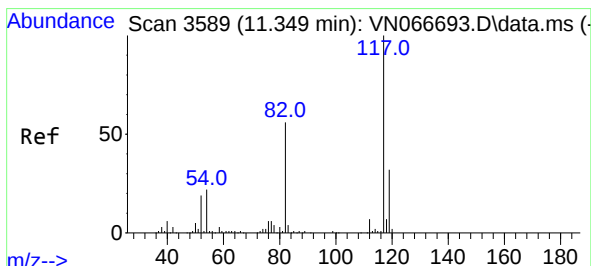
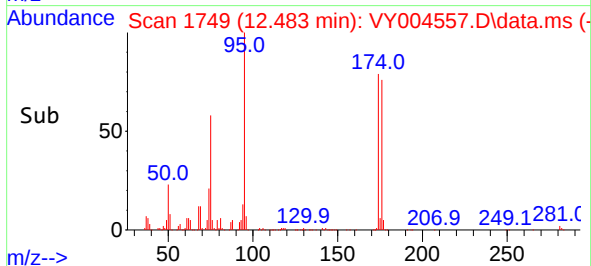
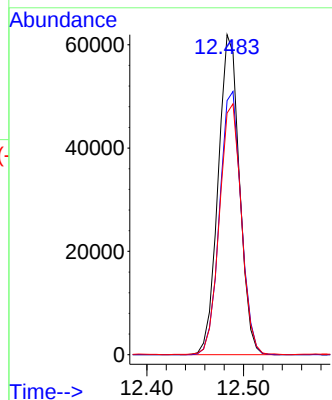
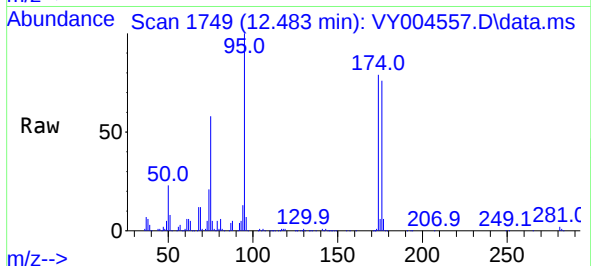




#62
4-Bromofluorobenzene
Concen: 50.32 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.137 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

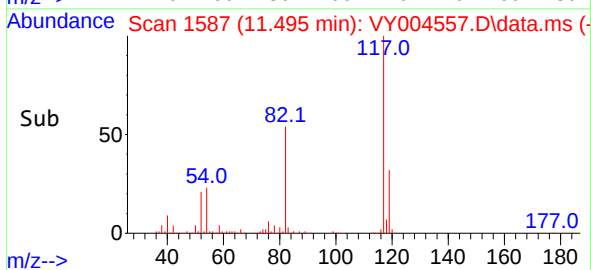
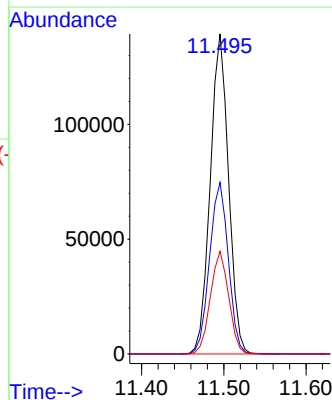
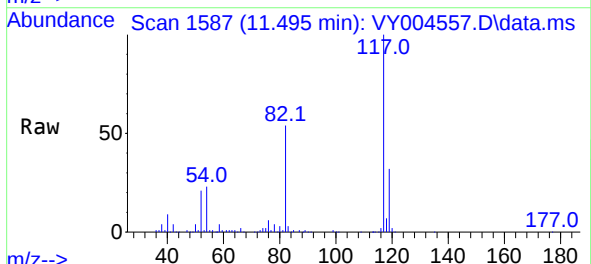
Instrument :
MSVOA_Y
ClientSampleId :

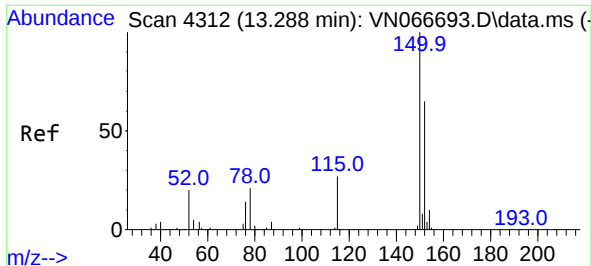
Tgt Ion:	95	Resp:	94541
Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	169.0
176	80.7	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.146 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

Tgt Ion:	117	Resp:	214970
Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.7	65.5
119	32.1	26.1	39.1

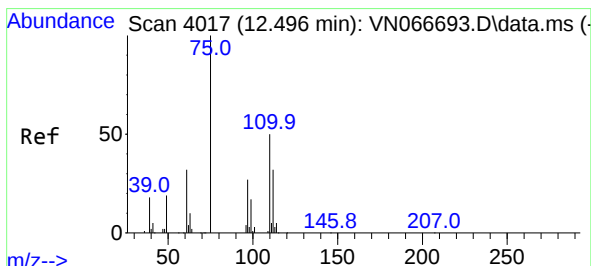
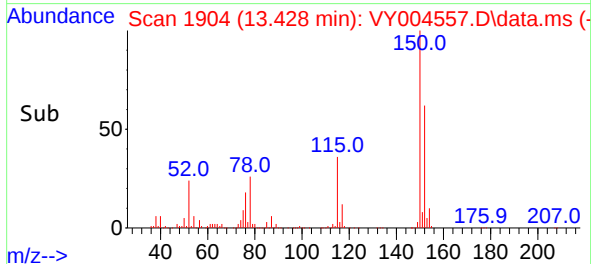
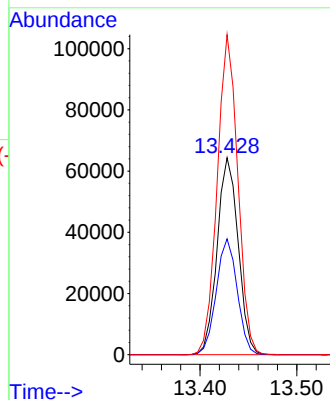
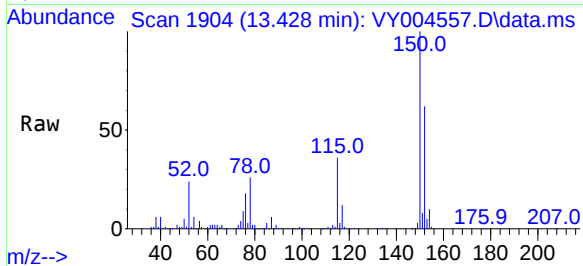




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.140 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

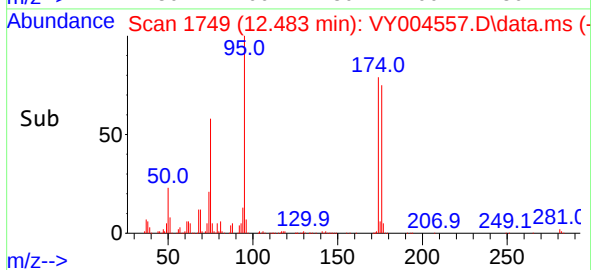
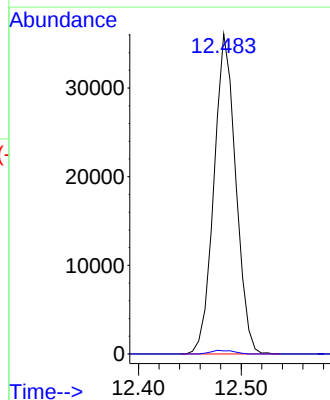
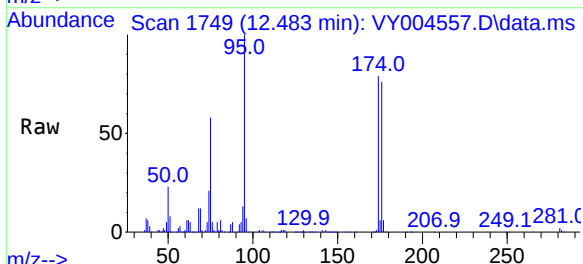
Instrument :
MSVOA_Y
ClientSampleId :

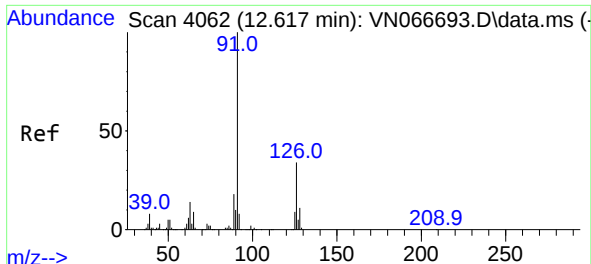
Tgt Ion:	152	Resp:	97241
Ion Ratio	Lower	Upper	
152	100		
115	58.5	28.5	85.6
150	158.6	0.0	347.6



#76
1,2,3-Trichloropropane
Concen: 25.59 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.013 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

Tgt Ion:	75	Resp:	53238
Ion Ratio	Lower	Upper	
75	100		
77	1.2	0.0	0.0#

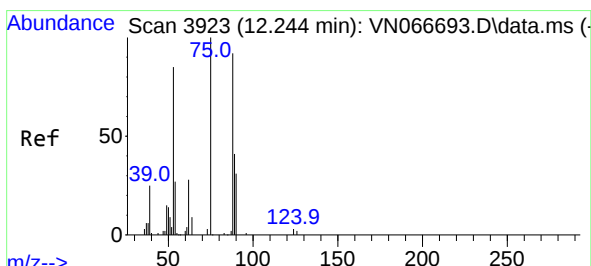
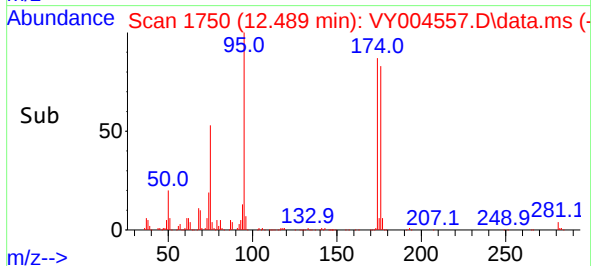
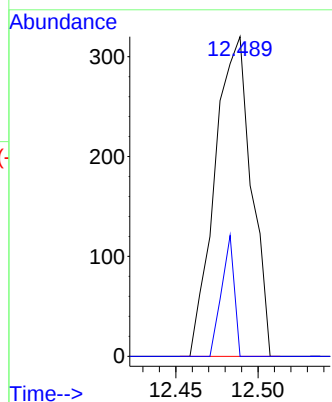
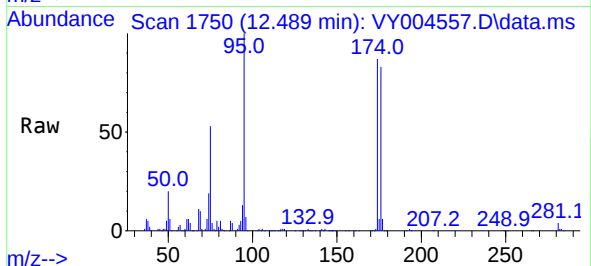




#79
2-Chlorotoluene
Concen: 1.03 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.128 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

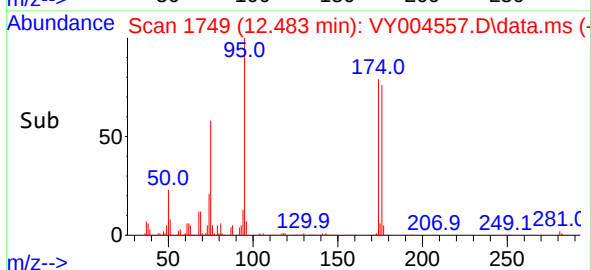
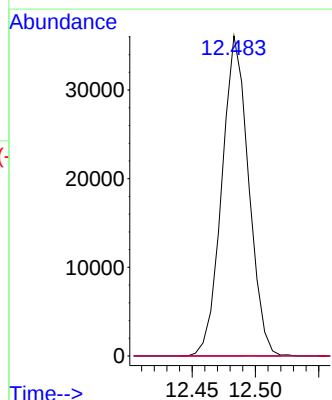
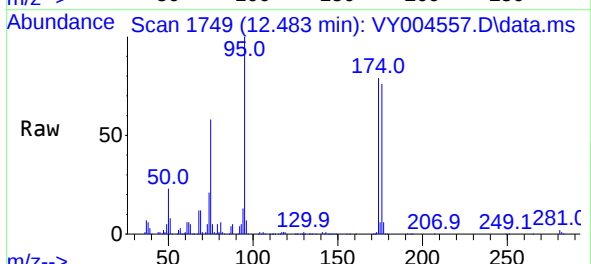
Instrument :
MSVOA_Y
ClientSampleId :

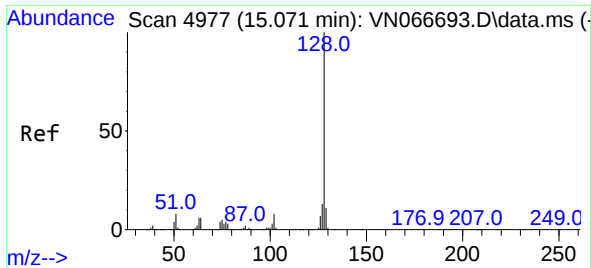
Tgt Ion: 91 Resp: 492
Ion Ratio Lower Upper
91 100
126 13.2 17.4 52.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.16 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.239 min
Lab File: VY004557.D
Acq: 21 Apr 2021 15:46

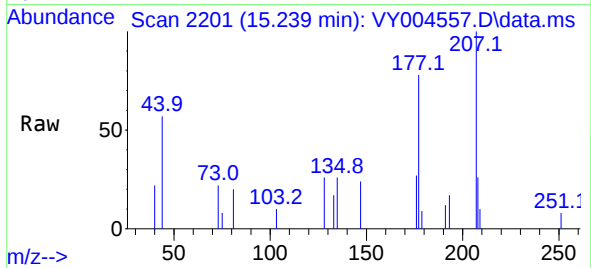
Tgt Ion: 75 Resp: 53185
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#





#95
 Naphthalene
 Concen: 1.90 ug/l
 RT: 15.239 min Scan# 2201
 Delta R.T. 0.168 min
 Lab File: VY004557.D
 Acq: 21 Apr 2021 15:46

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	252
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	13.0#

