

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042121\
 Data File : VY004555.D
 Acq On : 21 Apr 2021 15:00
 Operator : SY/MD
 Sample : M2111-03
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 11:08:28 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)

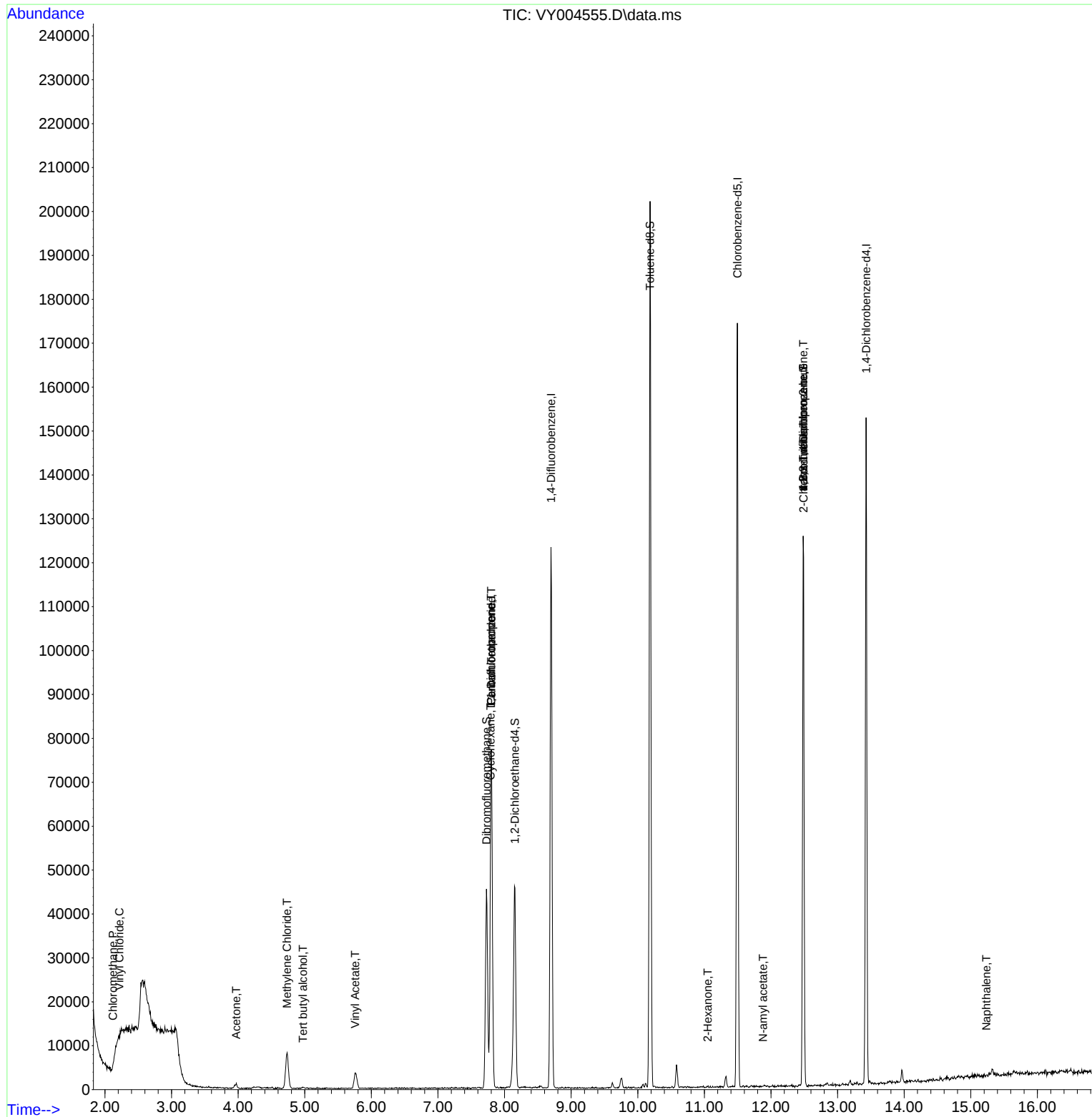
Internal Standards						
1) Pentafluorobenzene	7.801	168	59017	50.00	ug/l	0.21
34) 1,4-Difluorobenzene	8.697	114	100013	50.00	ug/l	0.18
63) Chlorobenzene-d5	11.496	117	87930	50.00	ug/l	0.15
72) 1,4-Dichlorobenzene-d4	13.428	152	35489	50.00	ug/l	0.14
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	34450	47.78	ug/l	0.20
Spiked Amount 50.000			Recovery	=	95.56%	
35) Dibromofluoromethane	7.728	113	30112	48.08	ug/l	0.22
Spiked Amount 50.000			Recovery	=	96.16%	
50) Toluene-d8	10.185	98	120643	49.39	ug/l	0.16
Spiked Amount 50.000			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.483	95	35797	42.79	ug/l	0.14
Spiked Amount 50.000			Recovery	=	85.58%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	256	0.27	ug/l #	44
4) Vinyl Chloride	2.217	62	5831	6.90	ug/l #	43
11) Tert butyl alcohol	4.973	59	442	4.84	ug/l #	73
16) Acetone	3.973	43	1800	6.67	ug/l #	83
20) Methylene Chloride	4.735	84	5735	7.15	ug/l	88
23) Vinyl Acetate	5.759	43	1928	1.07	ug/l #	79
31) Cyclohexane	7.789	56	1516	1.29	ug/l #	66
36) 1,1-Dichloropropene	7.795	75	5167	5.56	ug/l #	48
38) Carbon Tetrachloride	7.801	117	6164	6.96	ug/l #	16
59) 2-Hexanone	11.051	43	107	16.79	ug/l #	23
74) N-amyl acetate	11.880	43	160	0.27	ug/l #	42
76) 1,2,3-Trichloropropane	12.483	75	20123	26.50	ug/l #	100
79) 2-Chlorotoluene	12.489	91	198	1.04	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.483	75	20100	77.64	ug/l #	12
95) Naphthalene	15.233	128	289	2.02	ug/l #	69

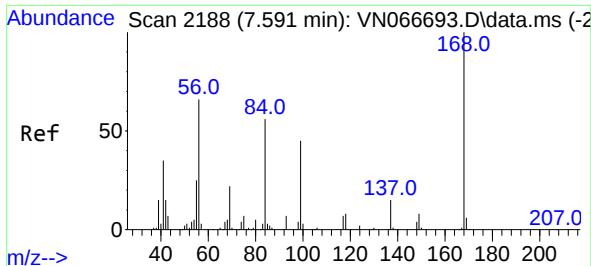
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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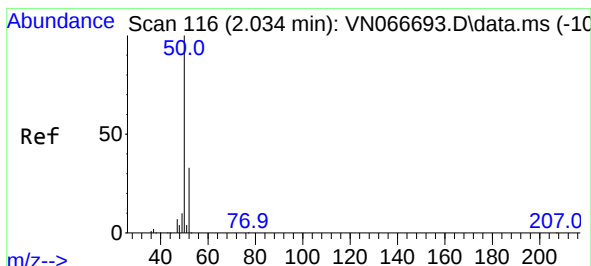
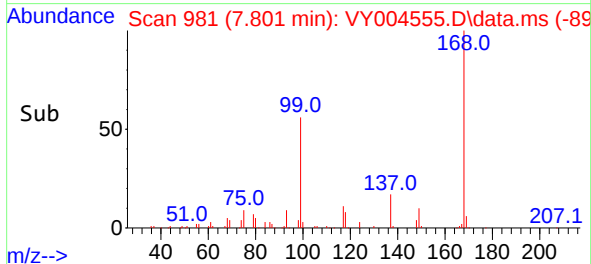
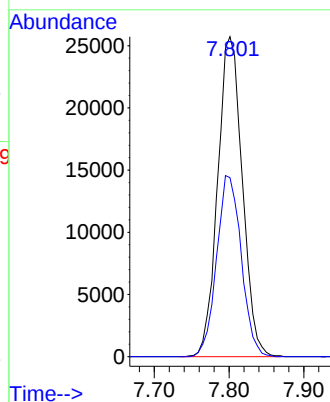
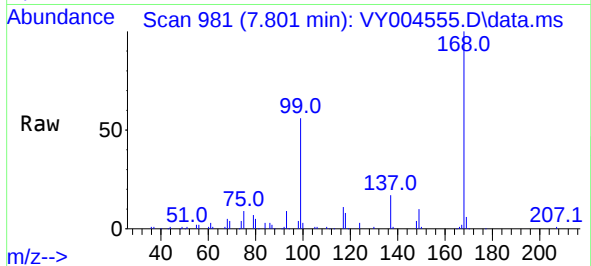




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.210 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

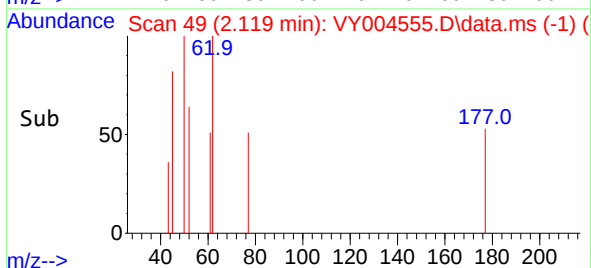
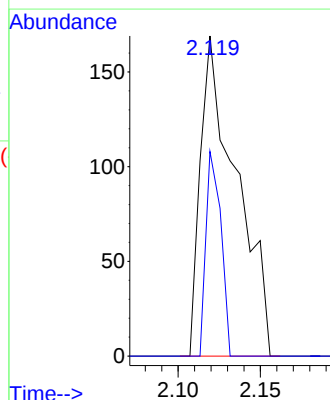
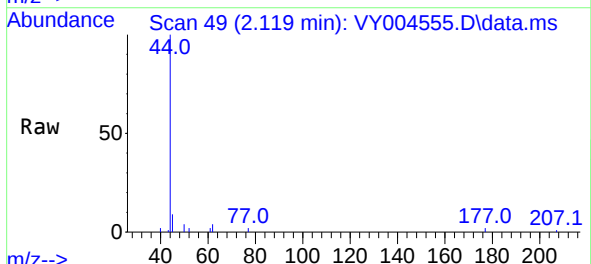
Instrument :
MSVOA_Y
ClientSampleId :

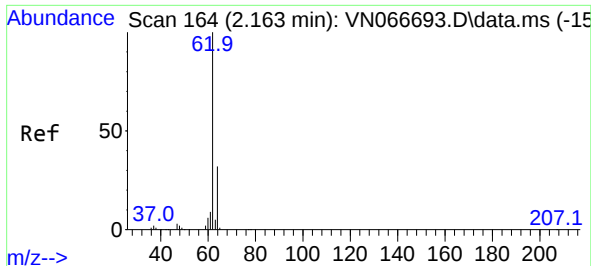
Tgt Ion:168 Resp: 59017
Ion Ratio Lower Upper
168 100
99 56.0 42.6 63.8



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.085 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

Tgt Ion: 50 Resp: 256
Ion Ratio Lower Upper
50 100
52 63.9 25.8 38.8#

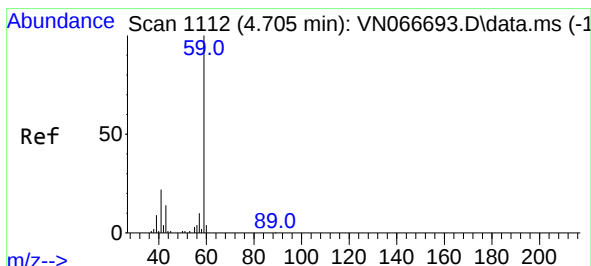
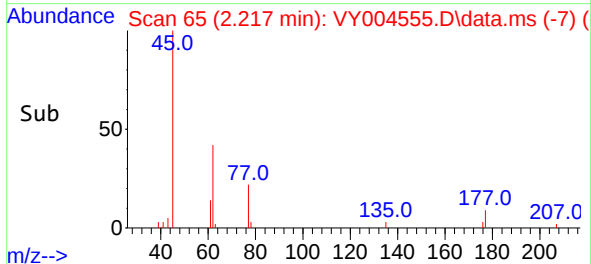
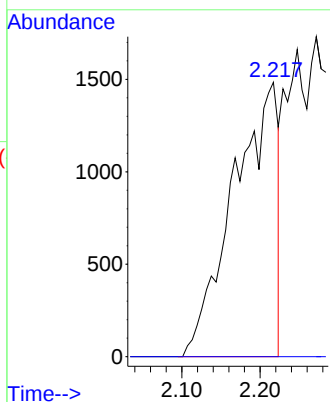
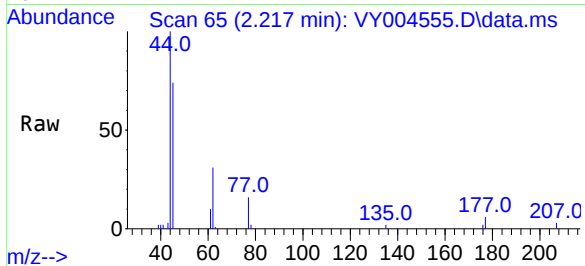




#4
 Vinyl Chloride
 Concen: 6.90 ug/l
 RT: 2.217 min Scan# 65
 Delta R.T. 0.054 min
 Lab File: VY004555.D
 Acq: 21 Apr 2021 15:00

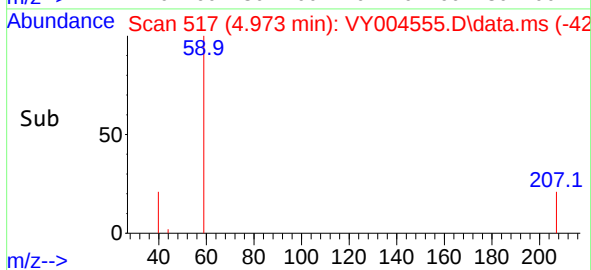
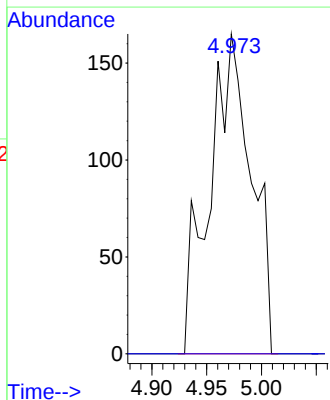
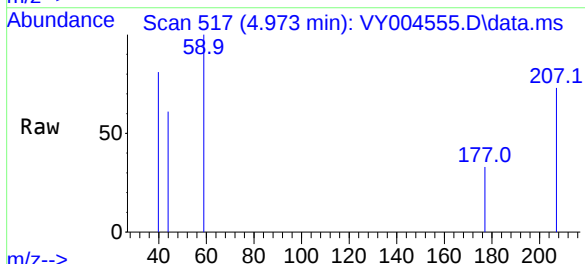
Instrument :
 MSVOA_Y
 ClientSampled :

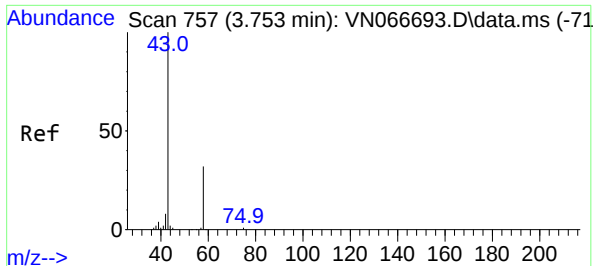
Tgt Ion: 62 Resp: 5831
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.1 37.7#



#11
 Tert butyl alcohol
 Concen: 4.84 ug/l
 RT: 4.973 min Scan# 517
 Delta R.T. 0.268 min
 Lab File: VY004555.D
 Acq: 21 Apr 2021 15:00

Tgt Ion: 59 Resp: 442
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

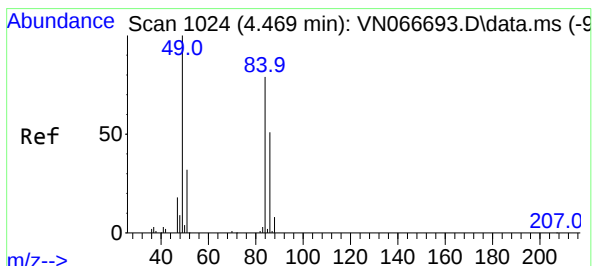
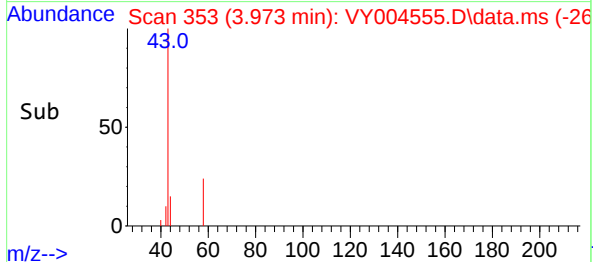
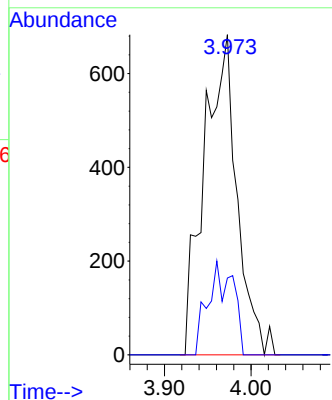
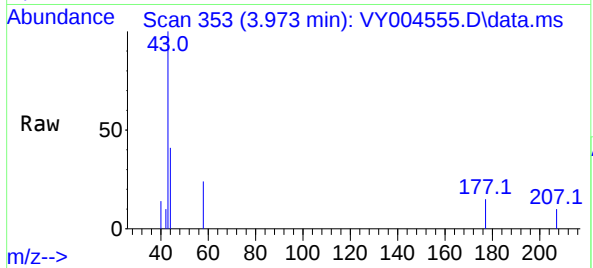




#16
Acetone
Concen: 6.67 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.220 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

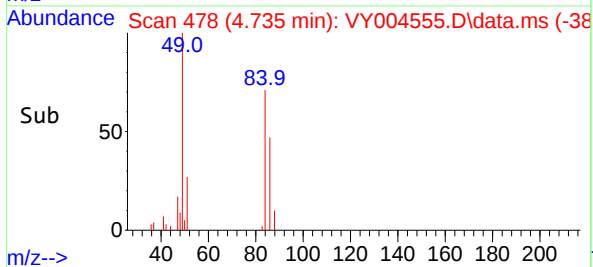
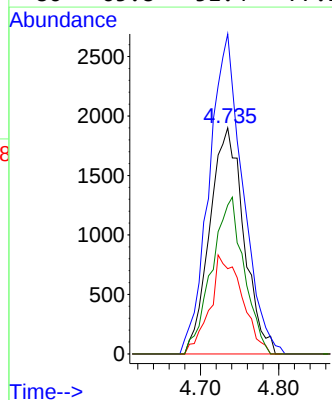
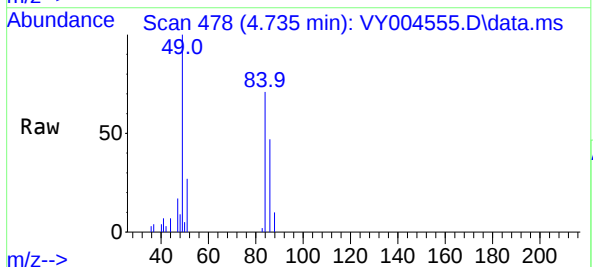
Instrument :
MSVOA_Y
ClientSampleId :

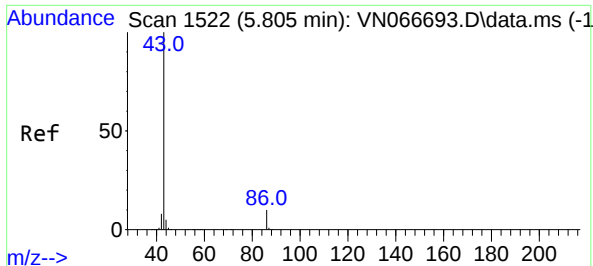
Tgt Ion: 43 Resp: 1800
Ion Ratio Lower Upper
43 100
58 24.0 27.0 40.6#



#20
Methylene Chloride
Concen: 7.15 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.266 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

Tgt Ion: 84 Resp: 5735
Ion Ratio Lower Upper
84 100
49 141.5 94.6 141.8
51 37.7 29.9 44.9
86 65.8 51.4 77.2

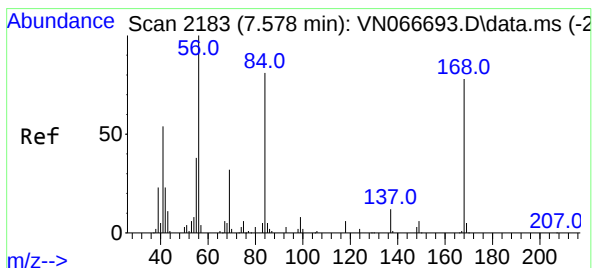
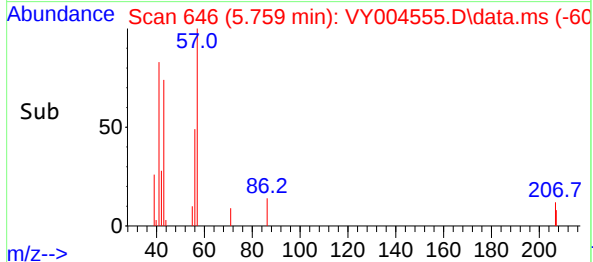
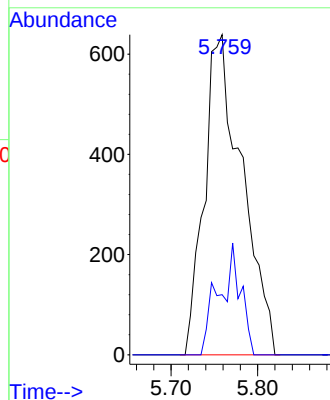
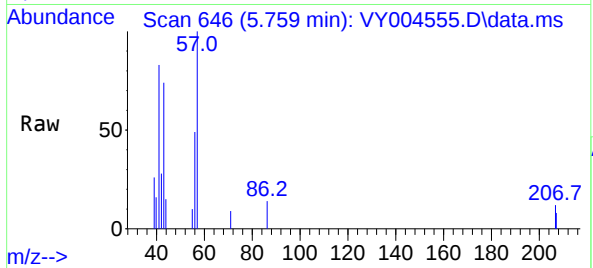




#23
 Vinyl Acetate
 Concen: 1.07 ug/l
 RT: 5.759 min Scan# 646
 Delta R.T. -0.046 min
 Lab File: VY004555.D
 Acq: 21 Apr 2021 15:00

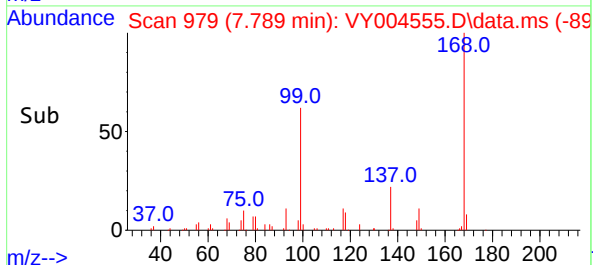
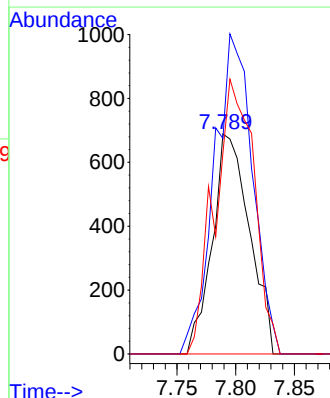
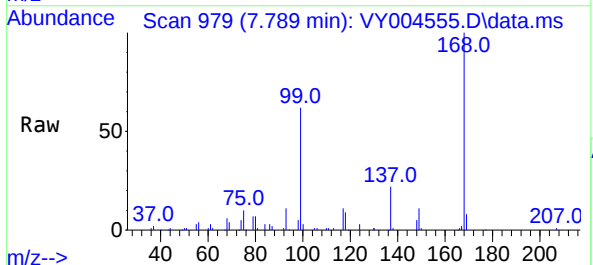
Instrument :
 MSVOA_Y
 ClientSampled :

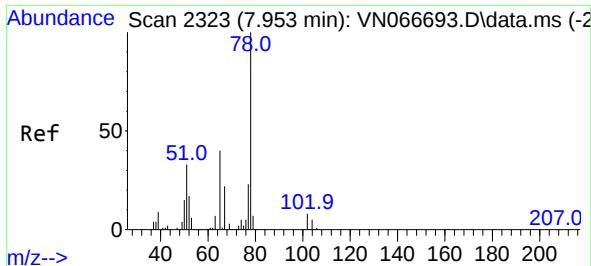
Tgt Ion: 43 Resp: 1928
 Ion Ratio Lower Upper
 43 100
 86 18.8 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.29 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. 0.211 min
 Lab File: VY004555.D
 Acq: 21 Apr 2021 15:00

Tgt Ion: 56 Resp: 1516
 Ion Ratio Lower Upper
 56 100
 69 98.0 26.6 39.8#
 84 91.3 70.4 105.6

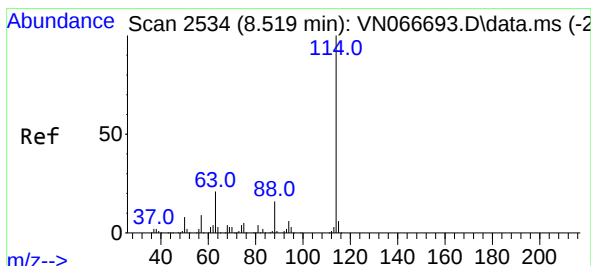
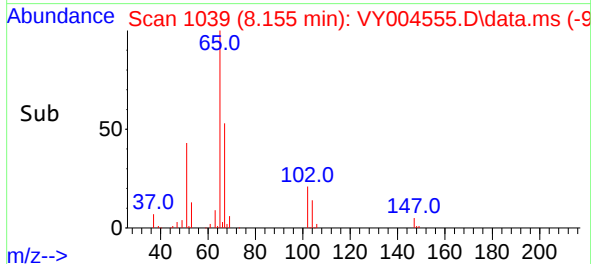
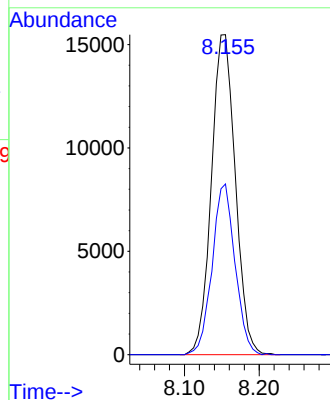
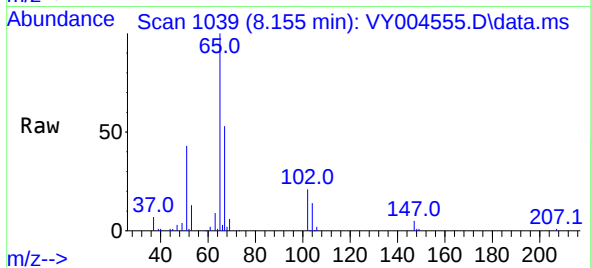




#33
1,2-Dichloroethane-d4
Concen: 47.78 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.202 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

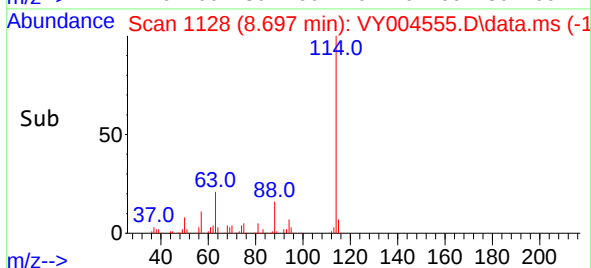
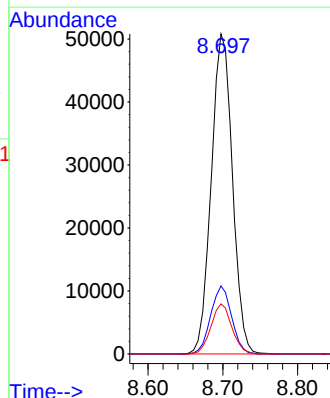
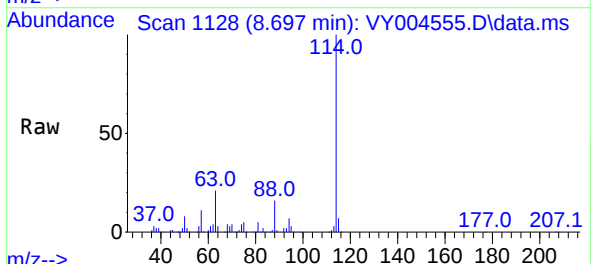
Instrument :
MSVOA_Y
ClientSampleId :

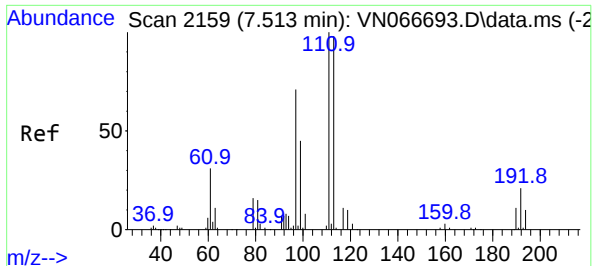
Tgt Ion: 65 Resp: 34450
Ion Ratio Lower Upper
65 100
67 51.0 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.178 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

Tgt Ion: 114 Resp: 100013
Ion Ratio Lower Upper
114 100
63 21.3 0.0 38.6
88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.08 ug/l

RT: 7.728 min Scan# 969

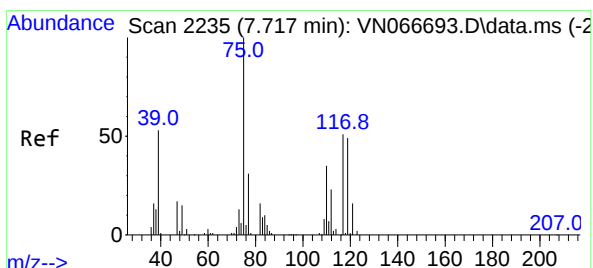
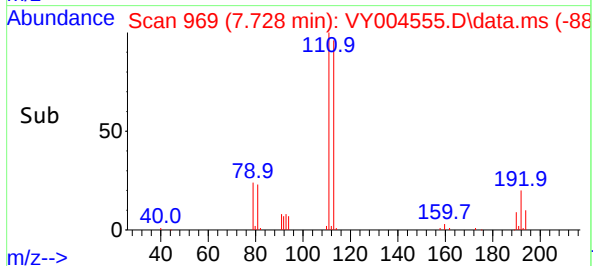
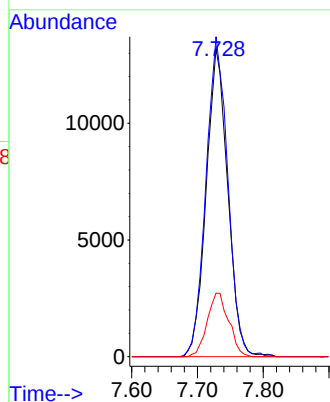
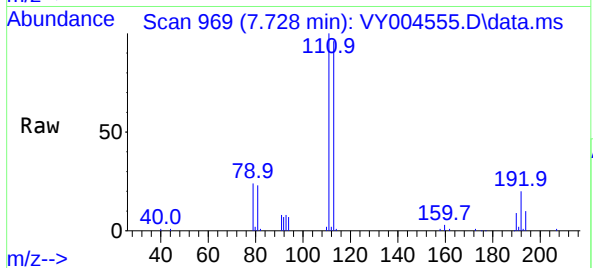
Delta R.T. 0.215 min

Lab File: VY004555.D

Acq: 21 Apr 2021 15:00

Tgt Ion:	113	Resp:	30112
Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.2	123.2
192	20.6	15.4	23.0

Instrument :
MSVOA_Y
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.56 ug/l

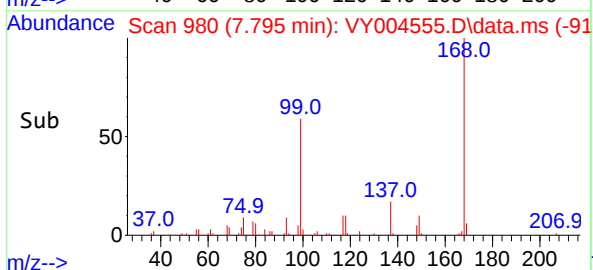
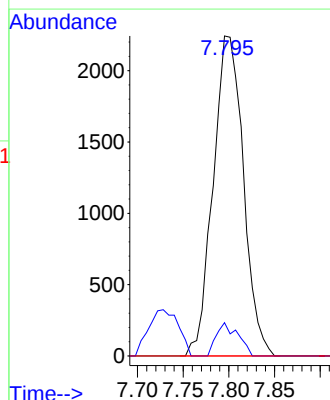
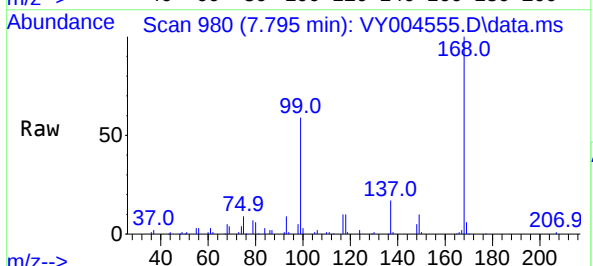
RT: 7.795 min Scan# 980

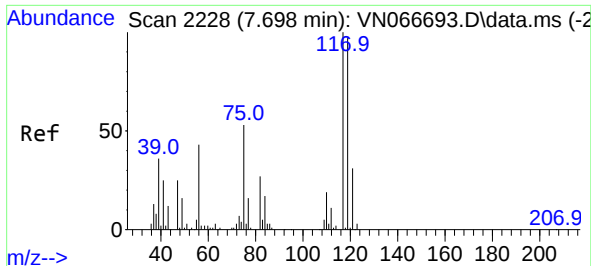
Delta R.T. 0.078 min

Lab File: VY004555.D

Acq: 21 Apr 2021 15:00

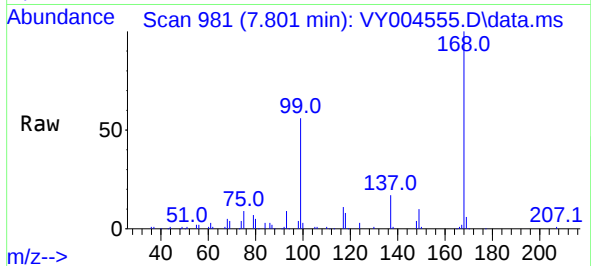
Tgt Ion:	75	Resp:	5167
Ion	Ratio	Lower	Upper
75	100		
110	7.5	18.2	54.6#
77	0.0	24.9	37.3#



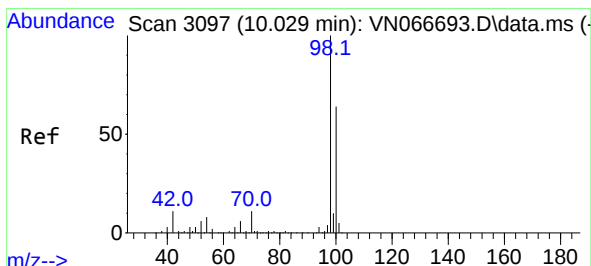
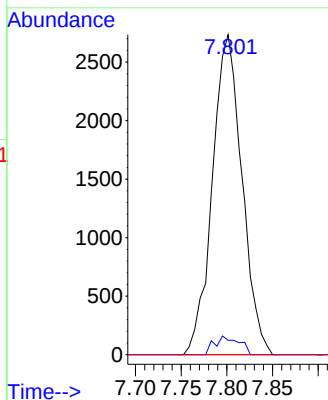
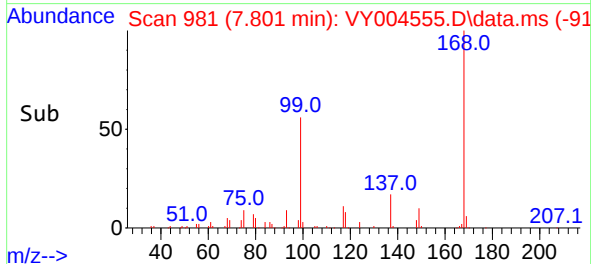


#38
Carbon Tetrachloride
Concen: 6.96 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.103 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

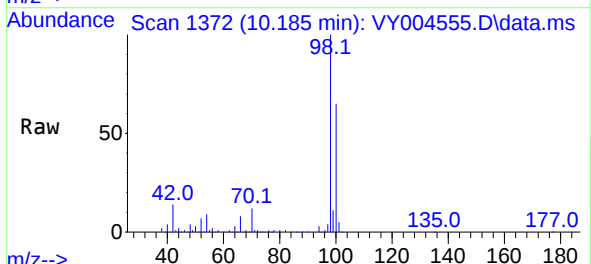
Instrument :
MSVOA_Y
ClientSampled :



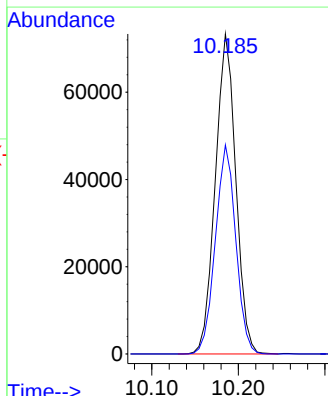
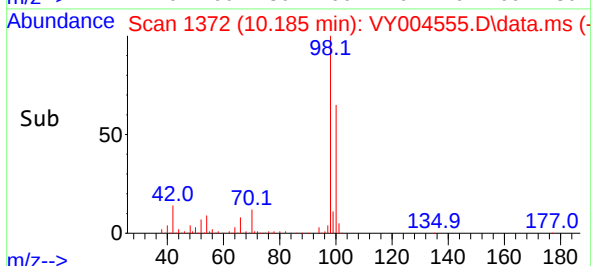
Tgt Ion:117 Resp: 6164
Ion Ratio Lower Upper
117 100
119 4.5 76.0 114.0#
121 0.0 24.5 36.7#

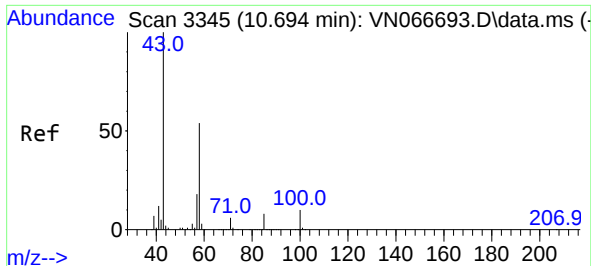


#50
Toluene-d8
Concen: 49.39 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.156 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00



Tgt Ion: 98 Resp: 120643
Ion Ratio Lower Upper
98 100
100 64.9 50.5 75.7

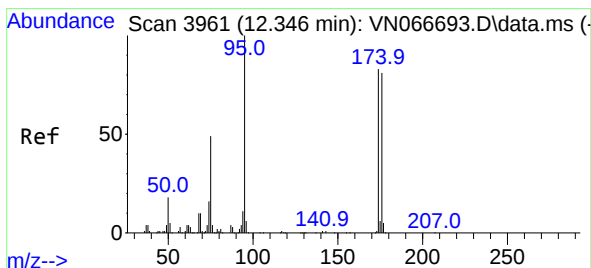
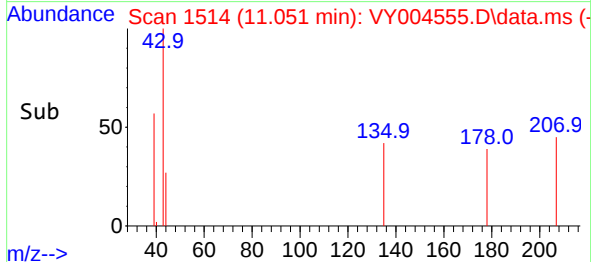
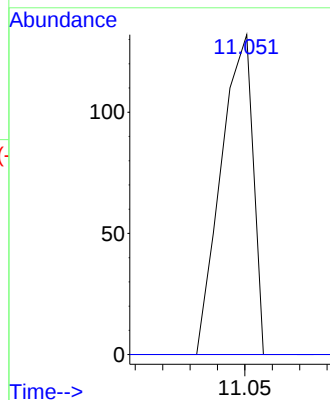
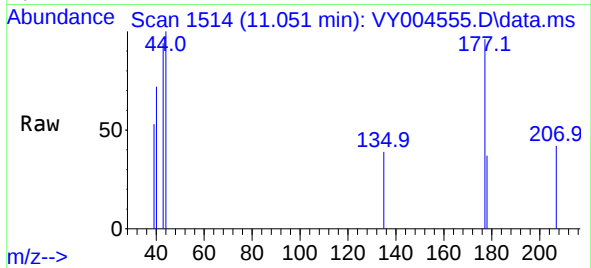




#59
2-Hexanone
Concen: 16.79 ug/l
RT: 11.051 min Scan# 1514
Delta R.T. 0.357 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

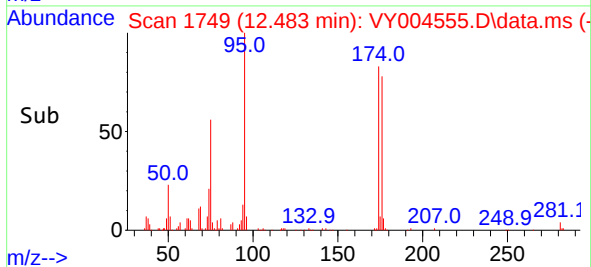
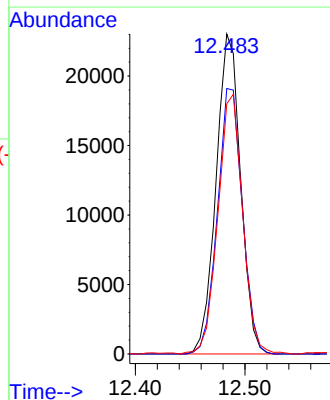
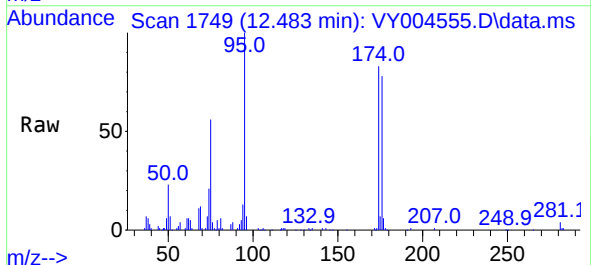
Instrument :
MSVOA_Y
ClientSampled :

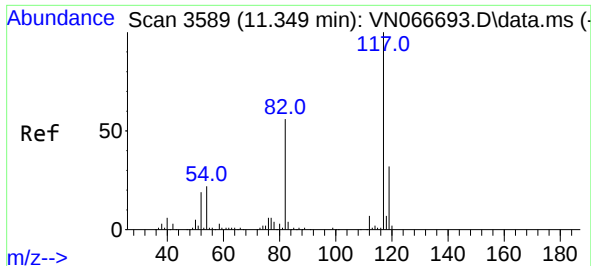
Tgt Ion: 43 Resp: 107
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 42.79 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.137 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

Tgt Ion: 95 Resp: 35797
Ion Ratio Lower Upper
95 100
174 84.0 0.0 169.0
176 81.6 0.0 162.4

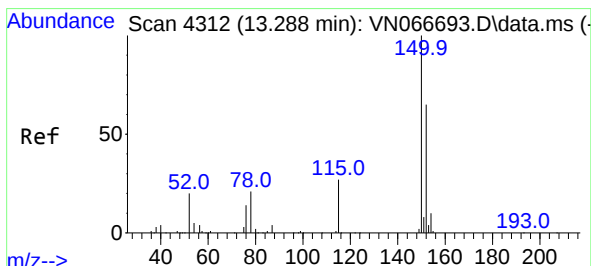
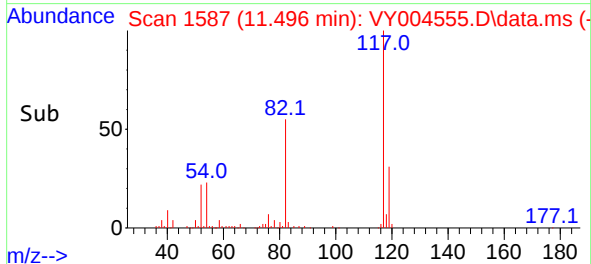
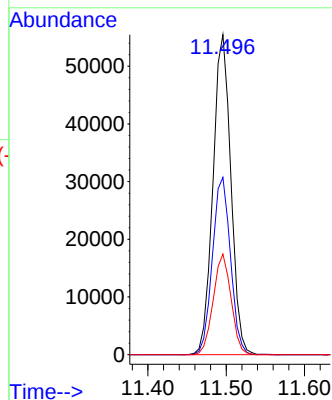
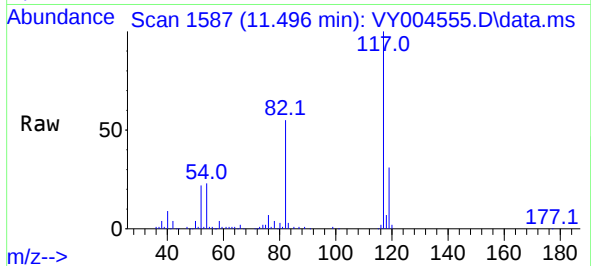




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.147 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

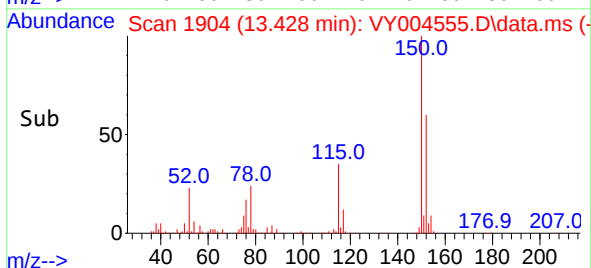
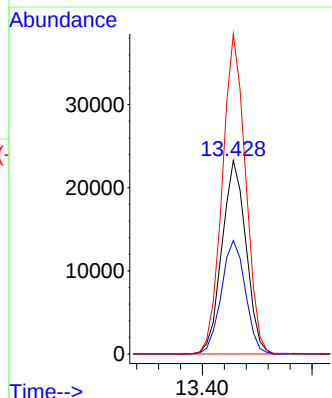
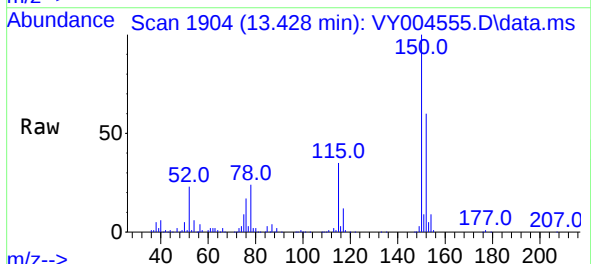
Instrument :
MSVOA_Y
ClientSampleId :

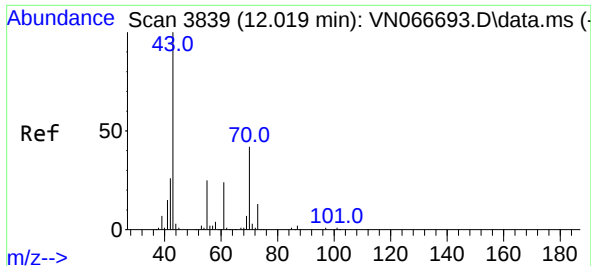
Tgt Ion:117 Resp: 87930
Ion Ratio Lower Upper
117 100
82 55.4 43.7 65.5
119 31.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.140 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

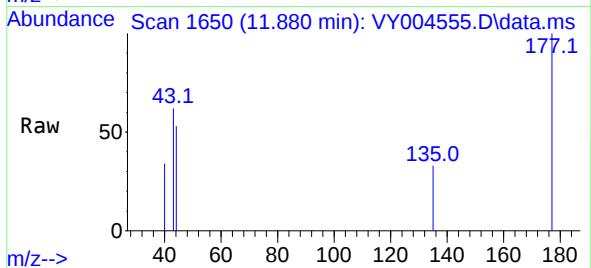
Tgt Ion:152 Resp: 35489
Ion Ratio Lower Upper
152 100
115 58.5 28.5 85.6
150 160.0 0.0 347.6





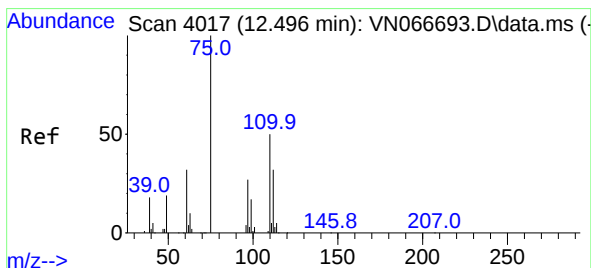
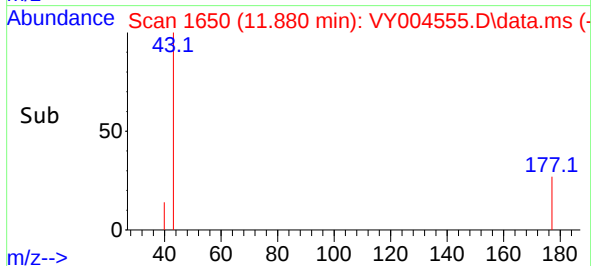
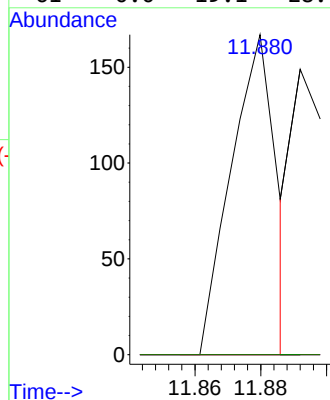
#74
N-amy1 acetate
Concen: 0.27 ug/l
RT: 11.880 min Scan# 1650
Delta R.T. -0.139 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 43 Resp: 160

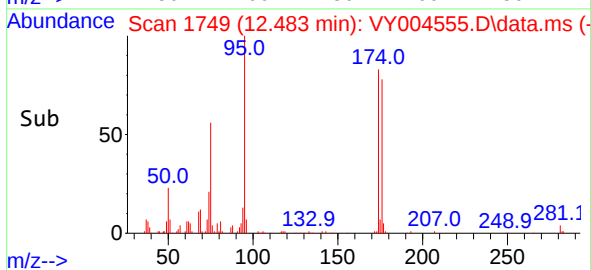
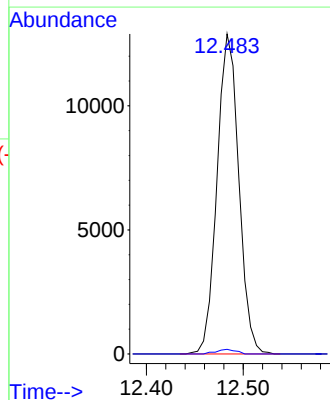
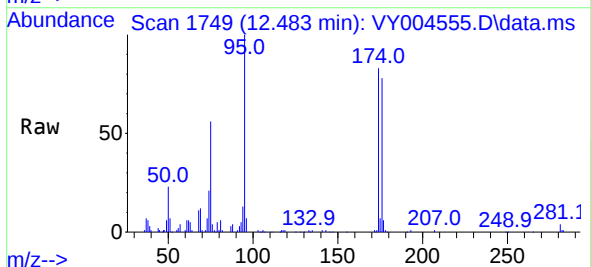
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	0.0	20.7	31.1#
61	0.0	19.1	28.7#

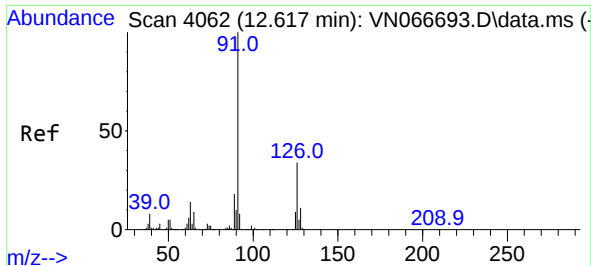


#76
1,2,3-Trichloropropane
Concen: 26.50 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.013 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

Tgt Ion: 75 Resp: 20123

Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

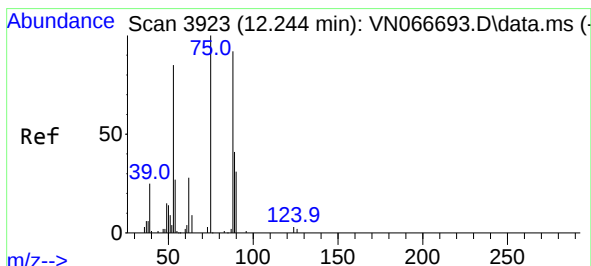
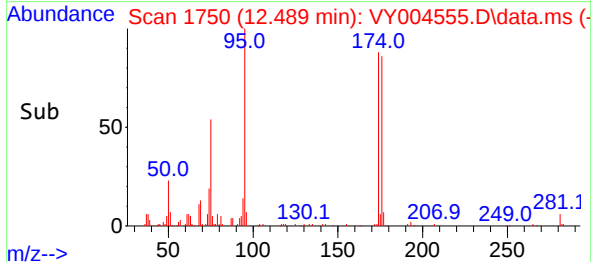
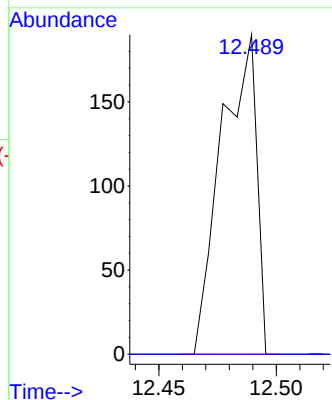
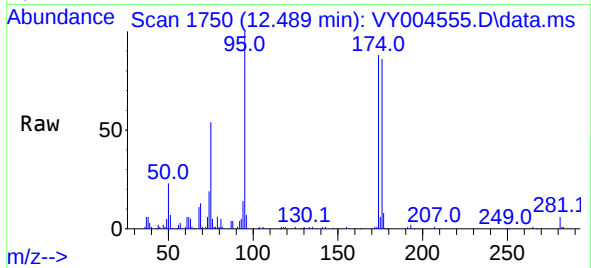




#79
2-Chlorotoluene
Concen: 1.04 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.128 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

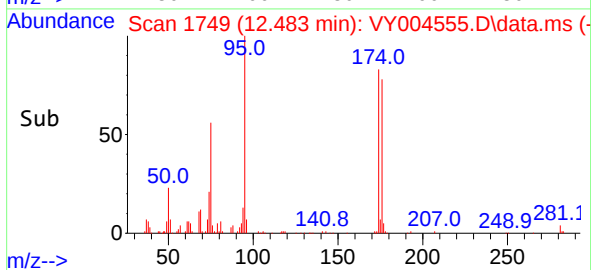
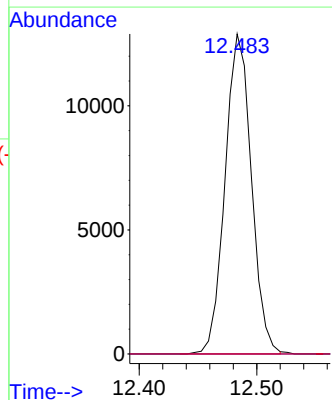
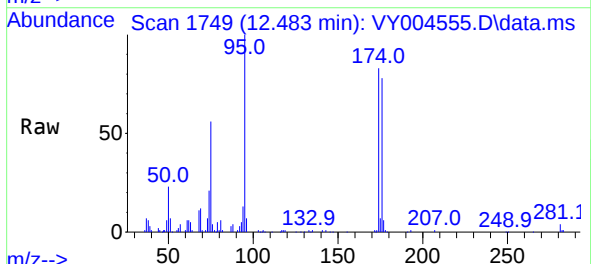
Instrument :
MSVOA_Y
ClientSampled :

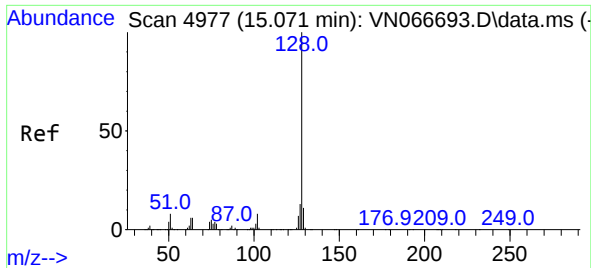
Tgt Ion: 91 Resp: 198
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.64 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.239 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

Tgt Ion: 75 Resp: 20100
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#





#95
Naphthalene
Concen: 2.02 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.162 min
Lab File: VY004555.D
Acq: 21 Apr 2021 15:00

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 289
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

