

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042121\
 Data File : VY004556.D
 Acq On : 21 Apr 2021 15:23
 Operator : SY/MD
 Sample : M2111-04
 Misc : 5.07G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 11:08:51 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)

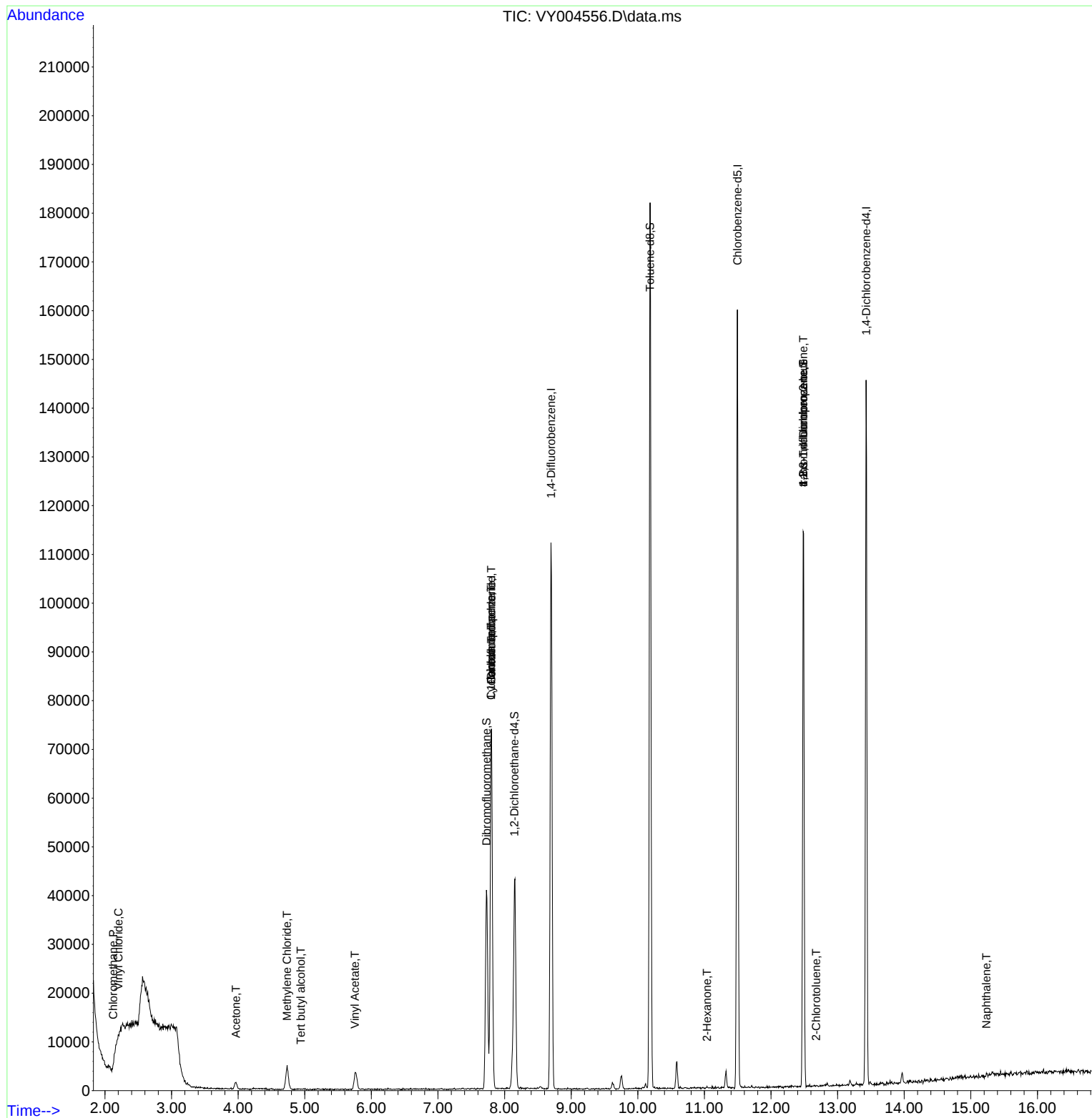
Internal Standards						
1) Pentafluorobenzene	7.801	168	56661	50.00	ug/l	0.21
34) 1,4-Difluorobenzene	8.697	114	92857	50.00	ug/l	0.18
63) Chlorobenzene-d5	11.495	117	81245	50.00	ug/l	0.15
72) 1,4-Dichlorobenzene-d4	13.428	152	34014	50.00	ug/l	0.14
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	31922	46.12	ug/l	0.20
Spiked Amount	50.000		Recovery	=	92.24%	
35) Dibromofluoromethane	7.728	113	27996	48.15	ug/l	0.21
Spiked Amount	50.000		Recovery	=	96.30%	
50) Toluene-d8	10.185	98	112353	49.54	ug/l	0.16
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.483	95	33533	43.18	ug/l	0.14
Spiked Amount	50.000		Recovery	=	86.36%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	230	0.25	ug/l #	42
4) Vinyl Chloride	2.204	62	4603	5.67	ug/l #	43
11) Tert butyl alcohol	4.942	59	19	0.22	ug/l #	73
16) Acetone	3.966	43	2476	9.56	ug/l #	82
20) Methylene Chloride	4.734	84	3025	3.93	ug/l	90
23) Vinyl Acetate	5.752	43	1756	1.01	ug/l #	74
31) Cyclohexane	7.795	56	1420	1.26	ug/l #	29
36) 1,1-Dichloropropene	7.795	75	4967	5.75	ug/l #	47
38) Carbon Tetrachloride	7.801	117	5967	7.26	ug/l #	19
59) 2-Hexanone	11.038	43	101	16.79	ug/l #	23
76) 1,2,3-Trichloropropane	12.483	75	18647	25.62	ug/l #	100
79) 2-Chlorotoluene	12.678	91	22	0.95	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.483	75	18650	75.33	ug/l #	12
95) Naphthalene	15.232	128	252	2.00	ug/l #	69

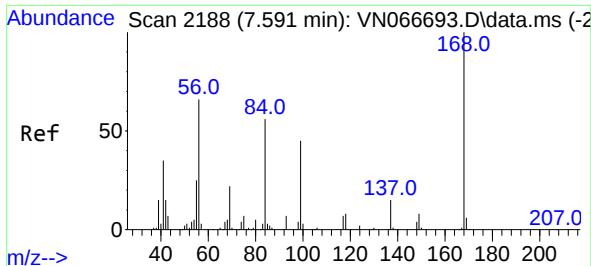
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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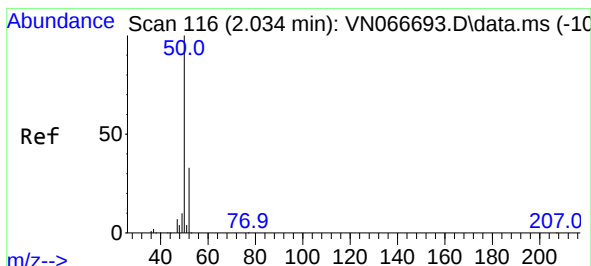
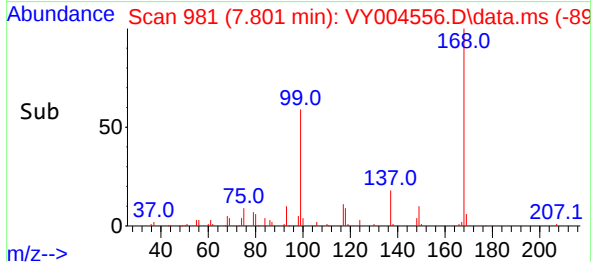
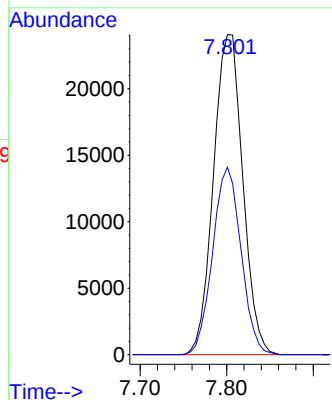
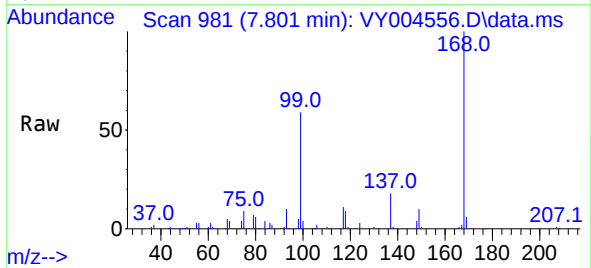




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.210 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

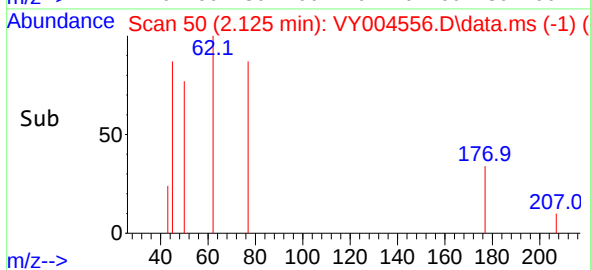
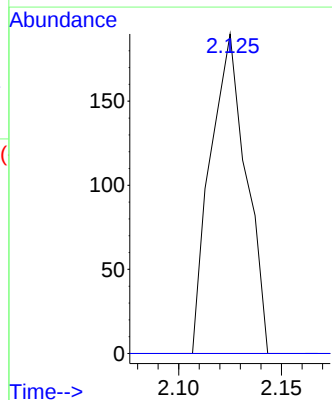
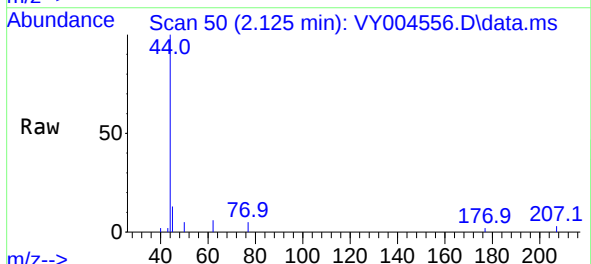
Instrument :
MSVOA_Y
ClientSampled :

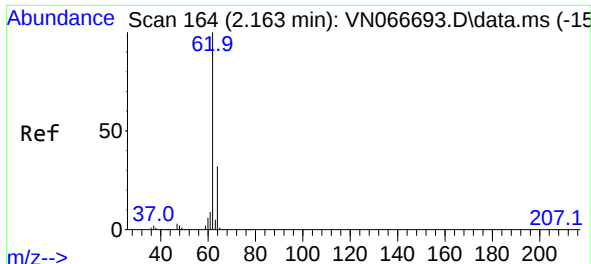
Tgt Ion:168 Resp: 56661
Ion Ratio Lower Upper
168 100
99 58.6 42.6 63.8



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.091 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

Tgt Ion: 50 Resp: 230
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

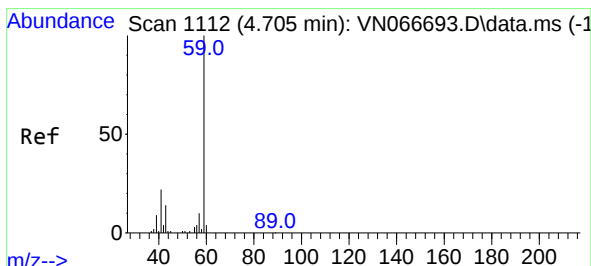
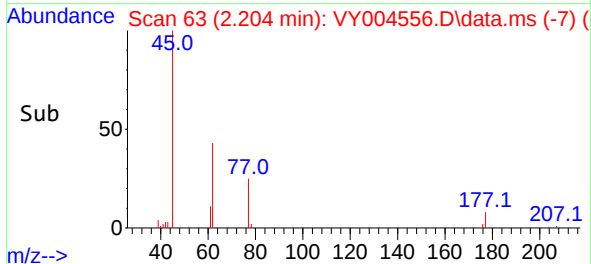
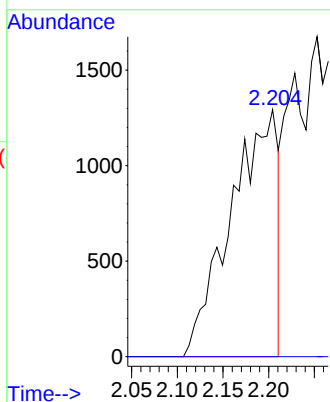
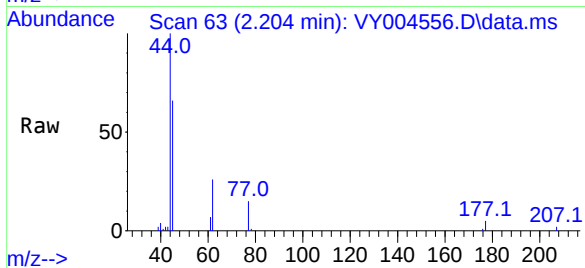




#4
 Vinyl Chloride
 Concen: 5.67 ug/l
 RT: 2.204 min Scan# 63
 Delta R.T. 0.041 min
 Lab File: VY004556.D
 Acq: 21 Apr 2021 15:23

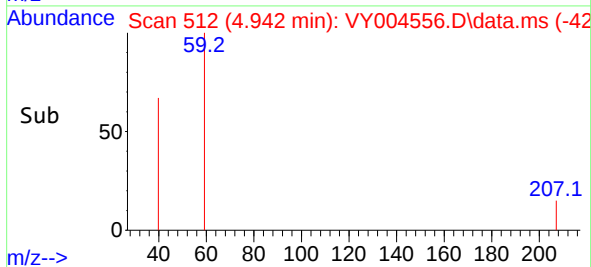
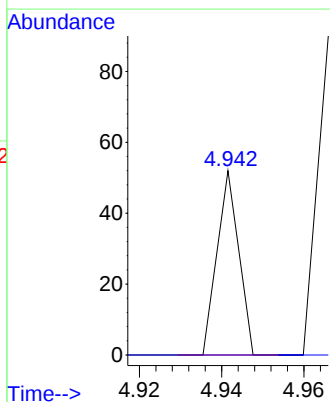
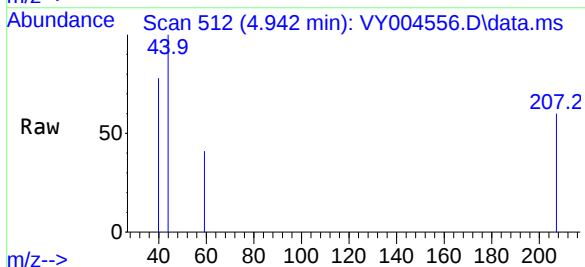
Instrument :
 MSVOA_Y
 ClientSampled :

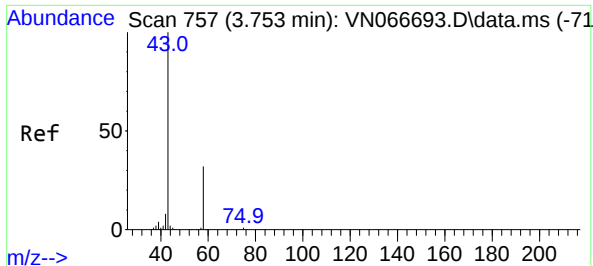
Tgt Ion: 62 Resp: 4603
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.1 37.7#



#11
 Tert butyl alcohol
 Concen: 0.22 ug/l
 RT: 4.942 min Scan# 512
 Delta R.T. 0.237 min
 Lab File: VY004556.D
 Acq: 21 Apr 2021 15:23

Tgt Ion: 59 Resp: 19
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

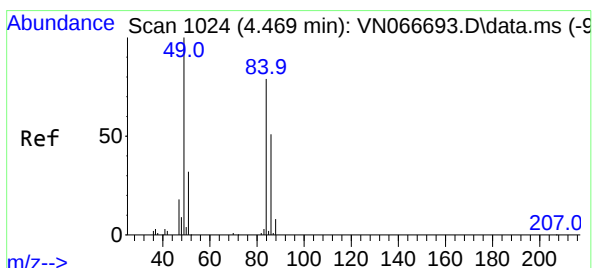
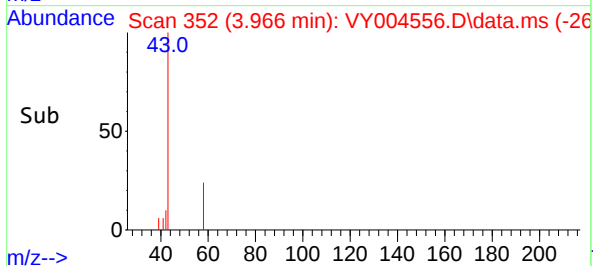
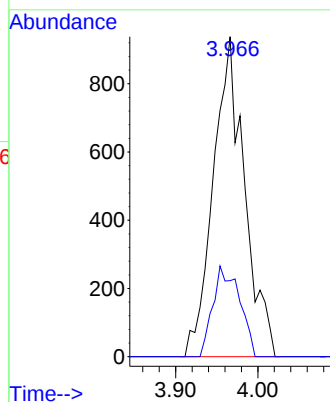
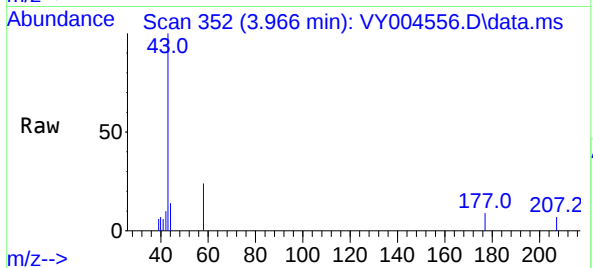




#16
Acetone
Concen: 9.56 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.213 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

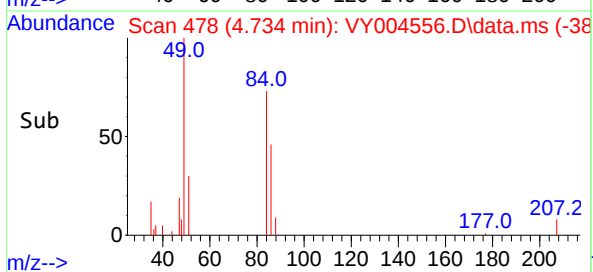
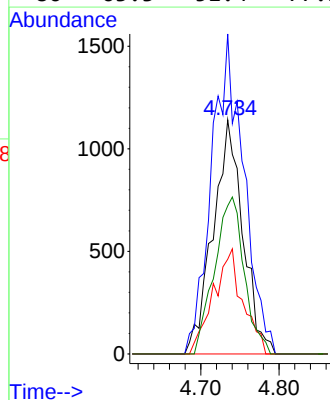
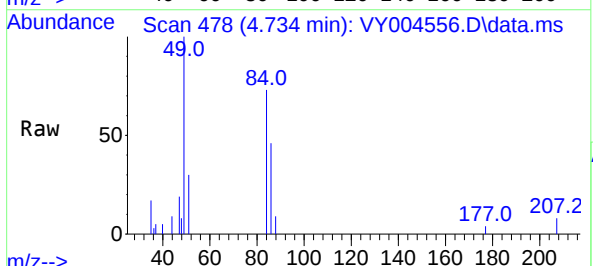
Instrument :
MSVOA_Y
ClientSampled :

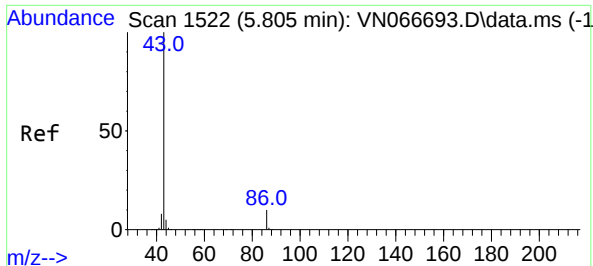
Tgt Ion: 43 Resp: 2476
Ion Ratio Lower Upper
43 100
58 23.8 27.0 40.6#



#20
Methylene Chloride
Concen: 3.93 ug/l
RT: 4.734 min Scan# 478
Delta R.T. 0.265 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

Tgt Ion: 84 Resp: 3025
Ion Ratio Lower Upper
84 100
49 136.7 94.6 141.8
51 40.5 29.9 44.9
86 63.3 51.4 77.2

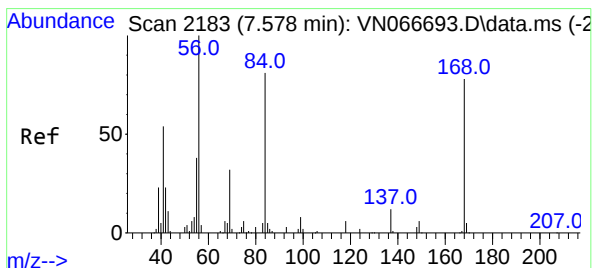
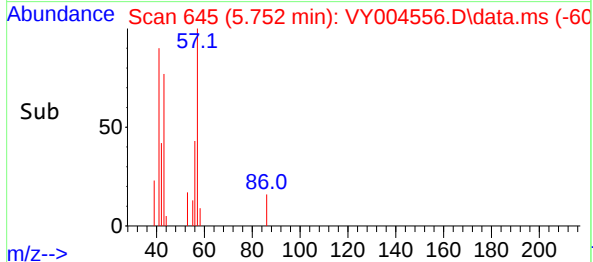
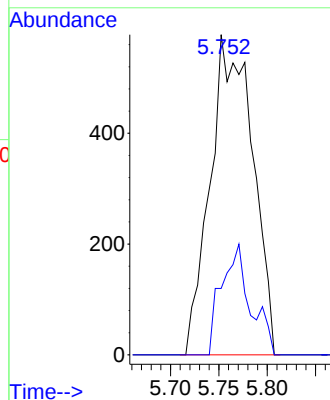
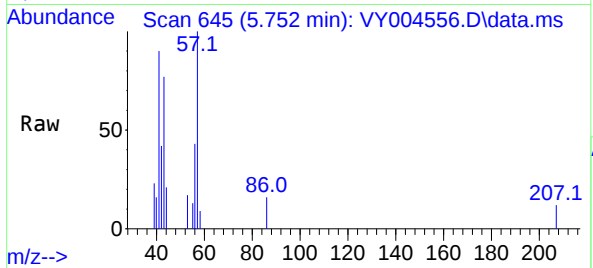




#23
 Vinyl Acetate
 Concen: 1.01 ug/l
 RT: 5.752 min Scan# 645
 Delta R.T. -0.053 min
 Lab File: VY004556.D
 Acq: 21 Apr 2021 15:23

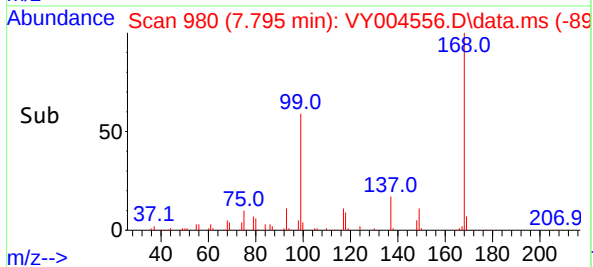
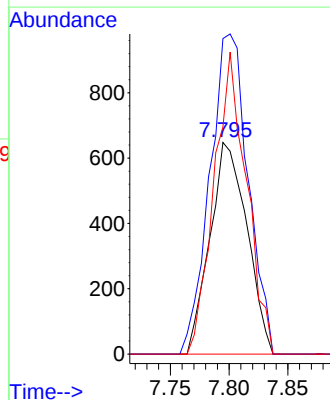
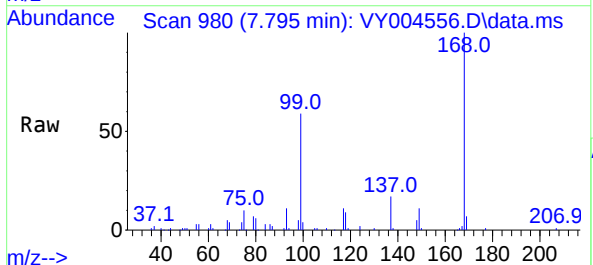
Instrument :
 MSVOA_Y
 ClientSampled :

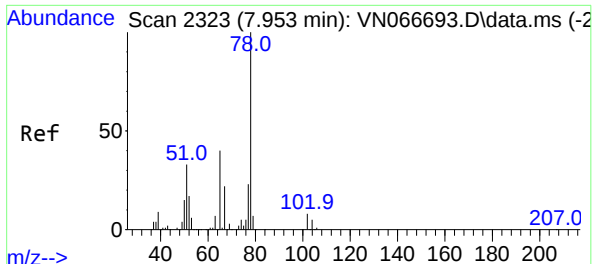
Tgt Ion: 43 Resp: 1756
 Ion Ratio Lower Upper
 43 100
 86 20.8 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.26 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. 0.217 min
 Lab File: VY004556.D
 Acq: 21 Apr 2021 15:23

Tgt Ion: 56 Resp: 1420
 Ion Ratio Lower Upper
 56 100
 69 149.1 26.6 39.8#
 84 107.3 70.4 105.6#

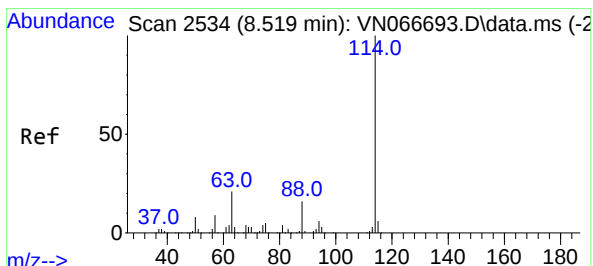
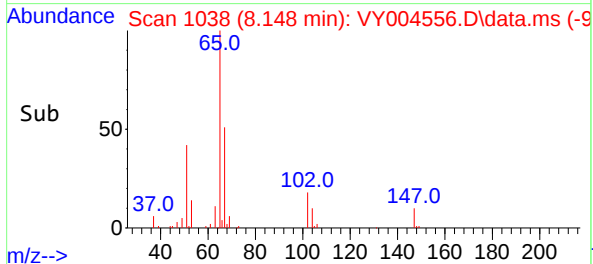
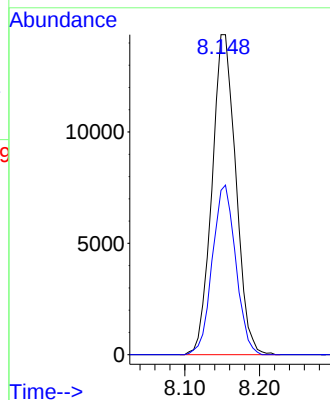
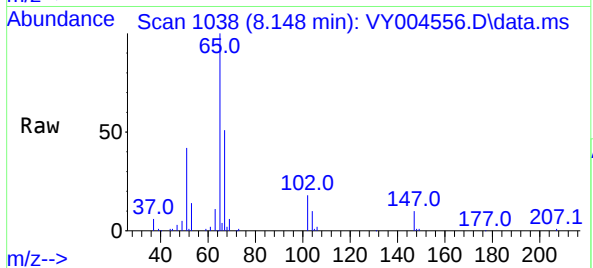




#33
1,2-Dichloroethane-d4
Concen: 46.12 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.195 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

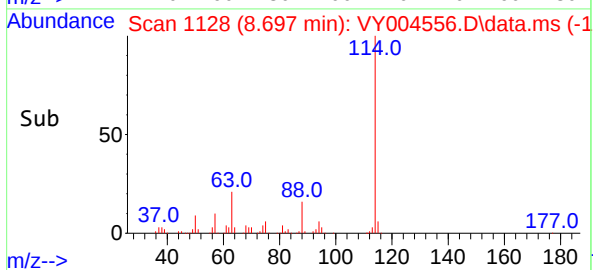
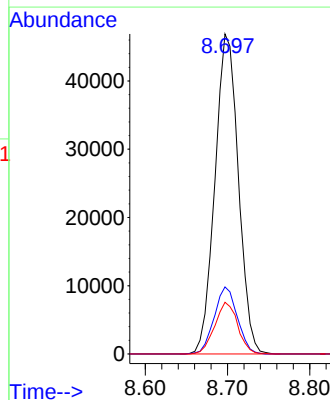
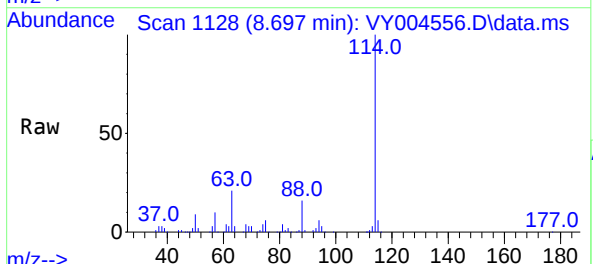
Instrument :
MSVOA_Y
ClientSampled :

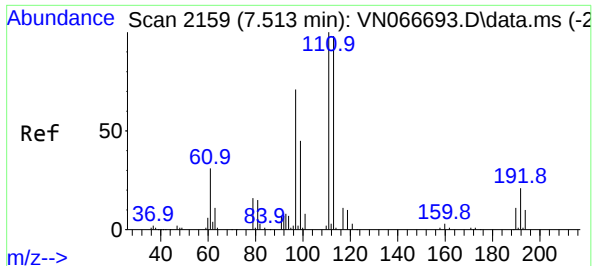
Tgt Ion: 65 Resp: 31922
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.178 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

Tgt Ion: 114 Resp: 92857
Ion Ratio Lower Upper
114 100
63 21.0 0.0 38.6
88 16.2 0.0 30.6

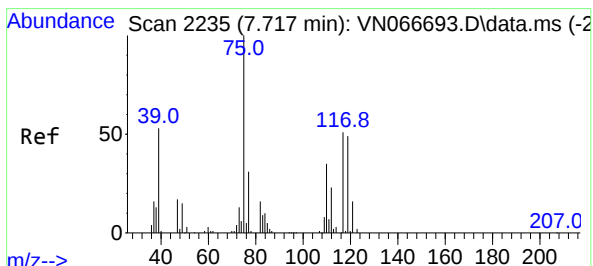
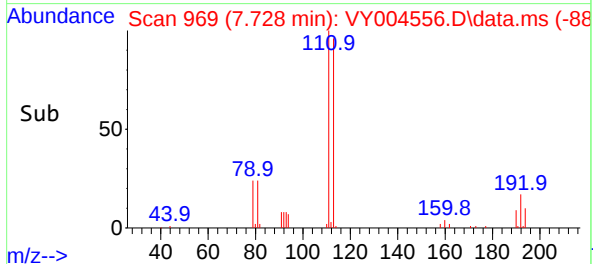
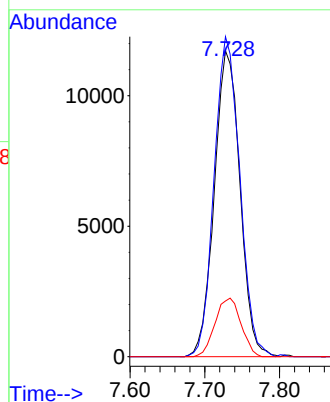
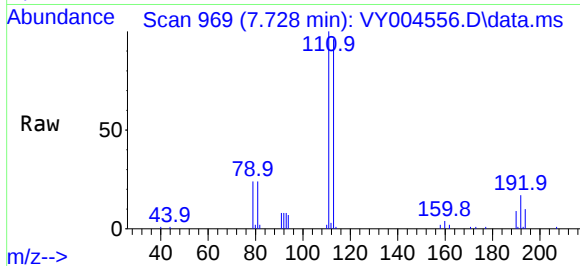




#35
Dibromofluoromethane
Concen: 48.15 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.215 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

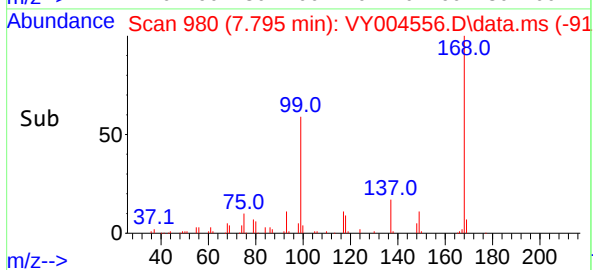
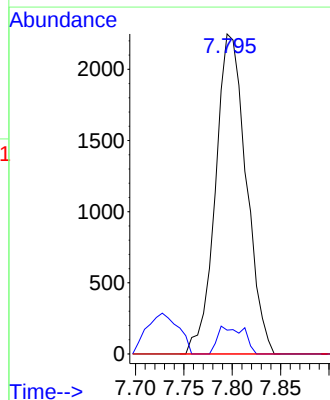
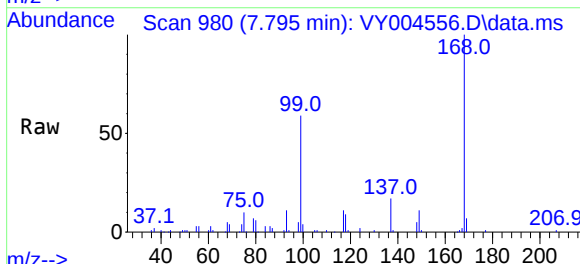
Instrument :
MSVOA_Y
ClientSampleId :

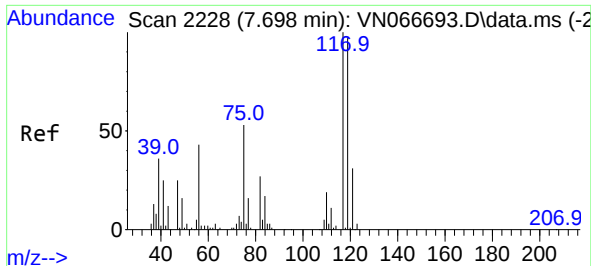
Tgt Ion:	113	Resp:	27996
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.2	123.2
192	19.3	15.4	23.0



#36
1,1-Dichloropropene
Concen: 5.75 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.078 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

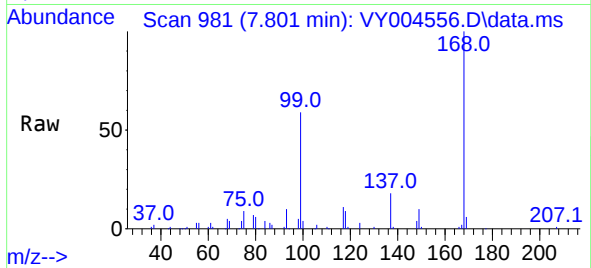
Tgt Ion:	75	Resp:	4967
Ion	Ratio	Lower	Upper
75	100		
110	7.3	18.2	54.6#
77	0.0	24.9	37.3#



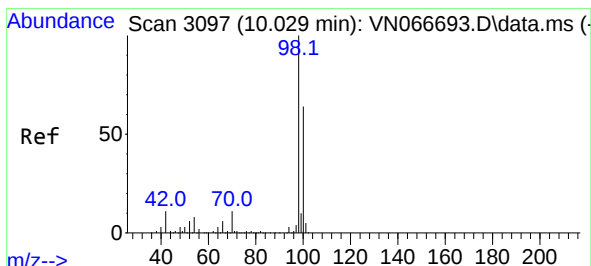
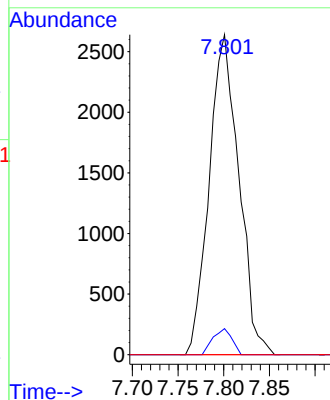
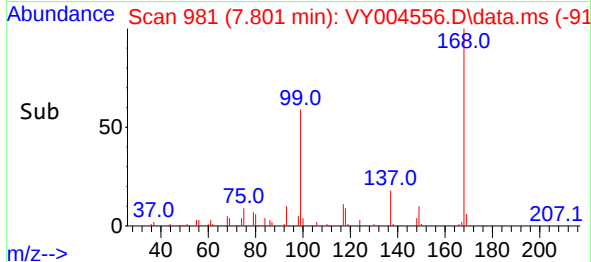


#38
Carbon Tetrachloride
Concen: 7.26 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.103 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

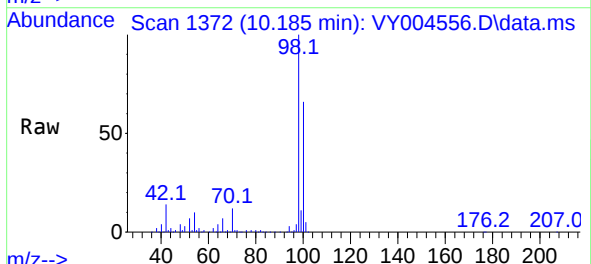
Instrument :
MSVOA_Y
ClientSampled :



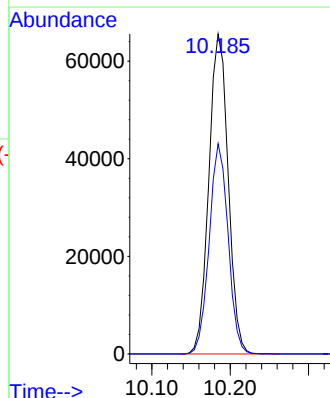
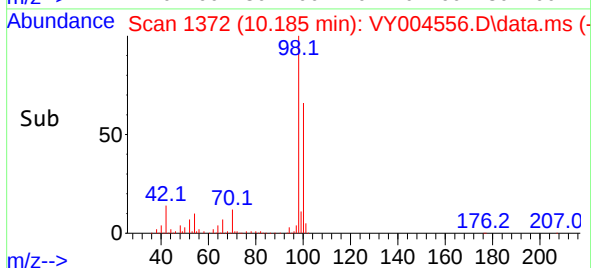
Tgt Ion:117 Resp: 5967
Ion Ratio Lower Upper
117 100
119 8.1 76.0 114.0#
121 0.0 24.5 36.7#

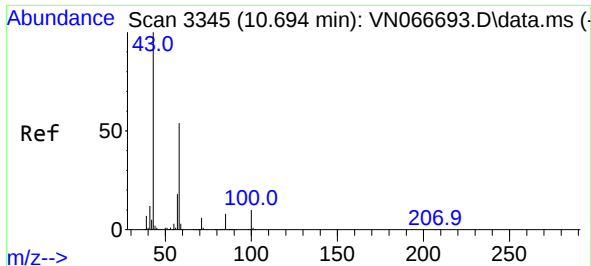


#50
Toluene-d8
Concen: 49.54 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.155 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23



Tgt Ion: 98 Resp: 112353
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7

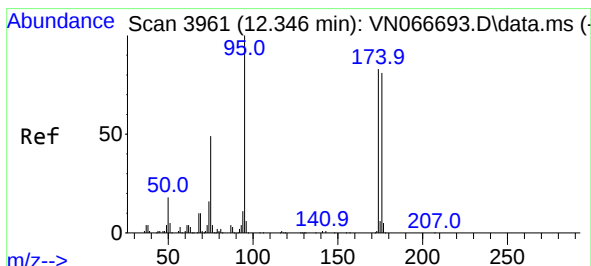
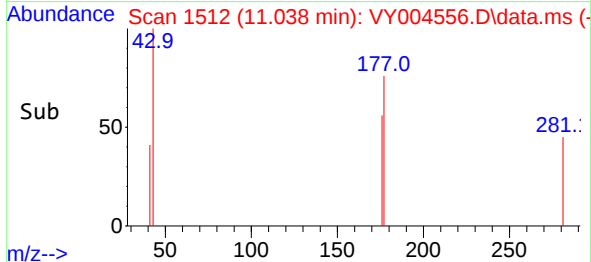
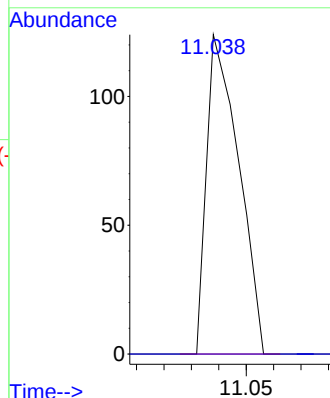
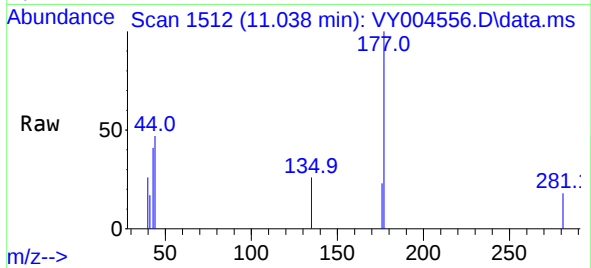




#59
2-Hexanone
Concen: 16.79 ug/l
RT: 11.038 min Scan# 1512
Delta R.T. 0.344 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

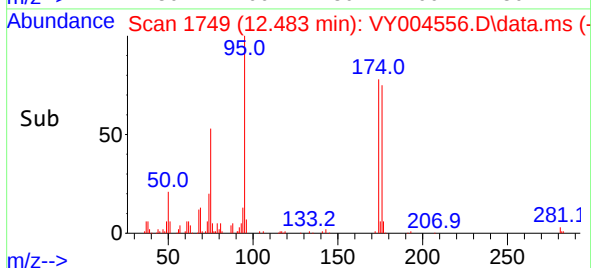
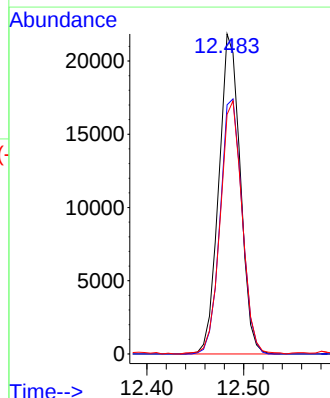
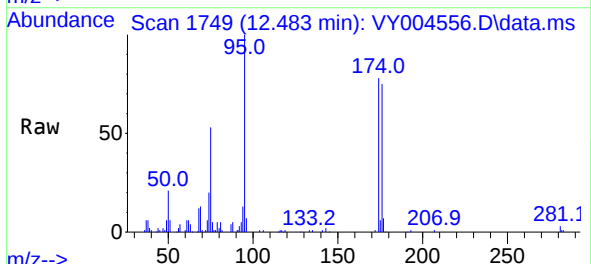
Instrument :
MSVOA_Y
ClientSampled :

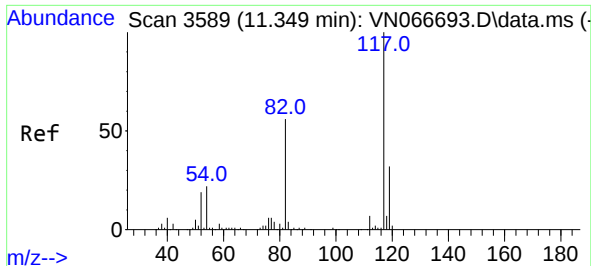
Tgt Ion: 43 Resp: 101
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 43.18 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.137 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

Tgt Ion: 95 Resp: 33533
Ion Ratio Lower Upper
95 100
174 81.4 0.0 169.0
176 81.0 0.0 162.4

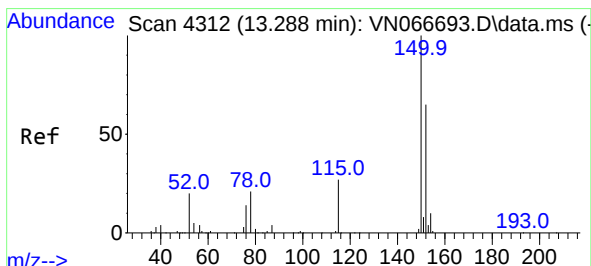
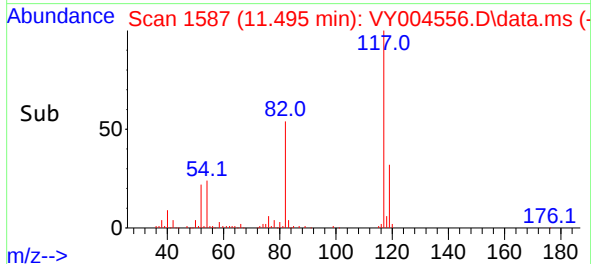
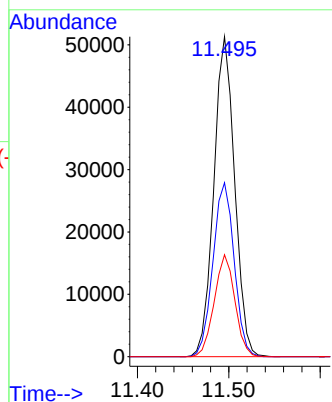
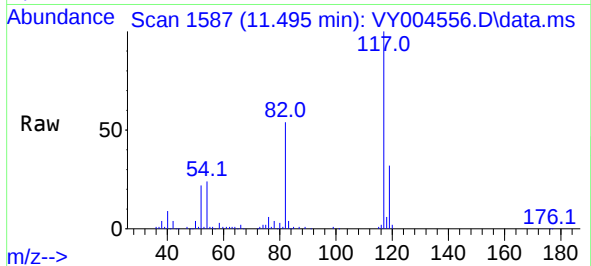




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.146 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

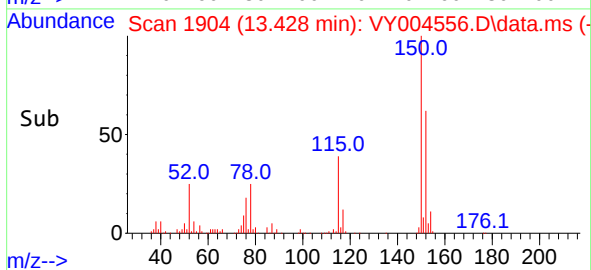
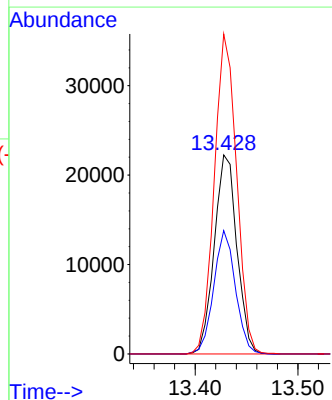
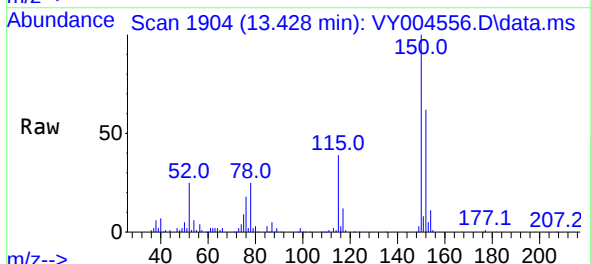
Instrument :
MSVOA_Y
ClientSampleId :

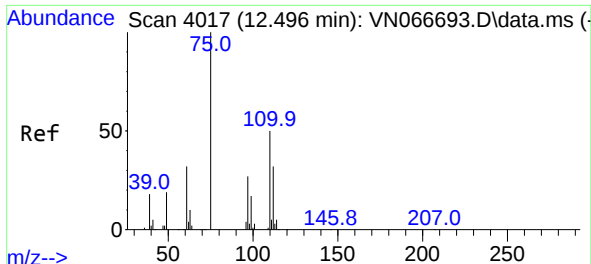
Tgt Ion:	117	Resp:	81245
Ion Ratio	Lower	Upper	
117	100		
82	54.3	43.7	65.5
119	31.8	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.140 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

Tgt Ion:	152	Resp:	34014
Ion Ratio	Lower	Upper	
152	100		
115	59.5	28.5	85.6
150	158.4	0.0	347.6

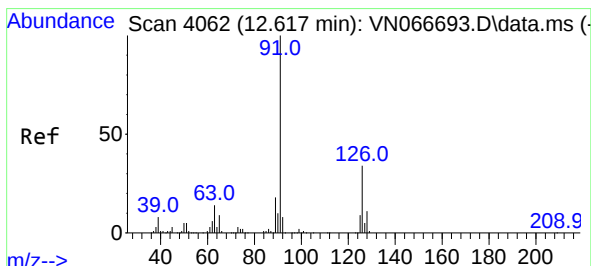
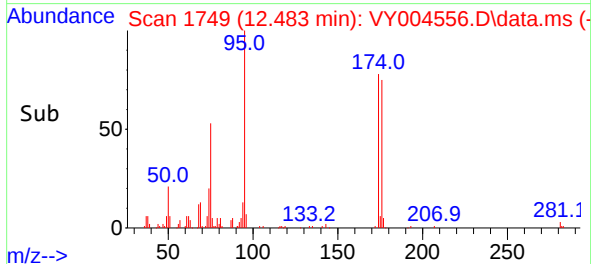
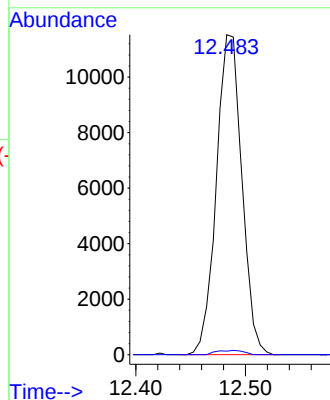
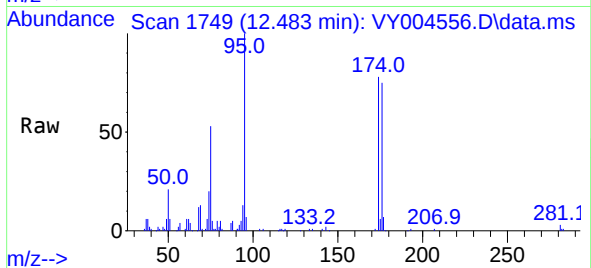




#76
1,2,3-Trichloropropane
Concen: 25.62 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.013 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

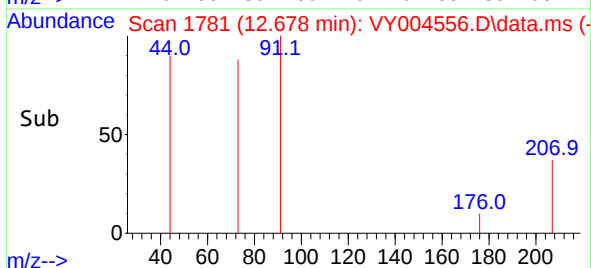
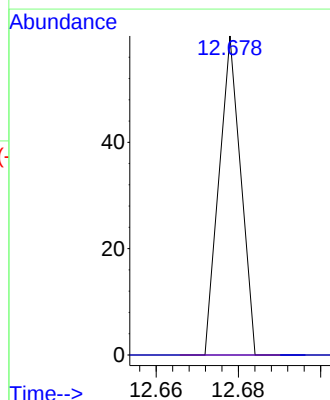
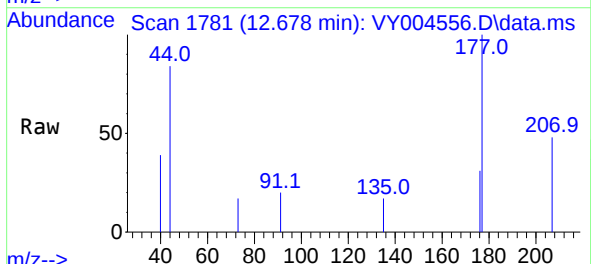
Instrument :
MSVOA_Y
ClientSampled :

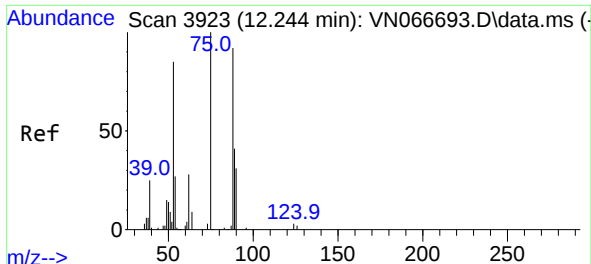
Tgt Ion: 75 Resp: 18647
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.95 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.061 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

Tgt Ion: 91 Resp: 22
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

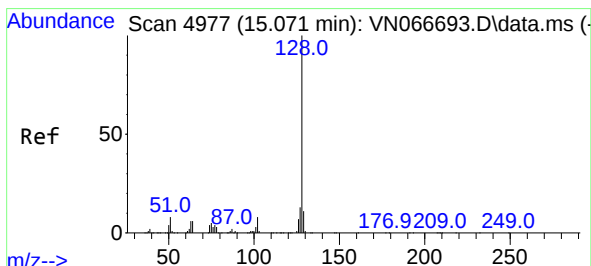
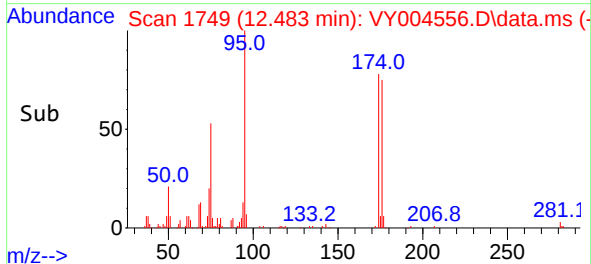
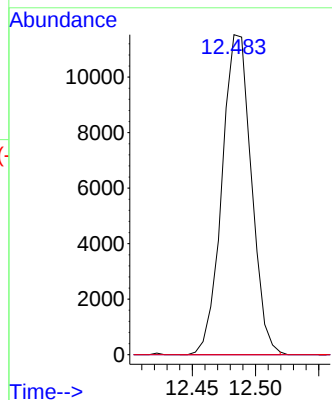
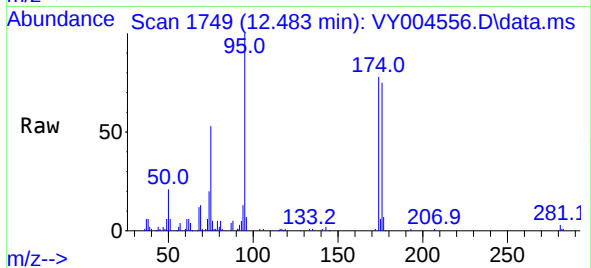




#81
trans-1,4-Dichloro-2-butene
Concen: 75.33 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.239 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 75 Resp: 18650
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#95
Naphthalene
Concen: 2.00 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. 0.161 min
Lab File: VY004556.D
Acq: 21 Apr 2021 15:23

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#

