

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072621\
 Data File : VY005451.D
 Acq On : 26 Jul 2021 17:45
 Operator : SY/MD
 Sample : M3176-01
 Misc : 6.04G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 27 03:11:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

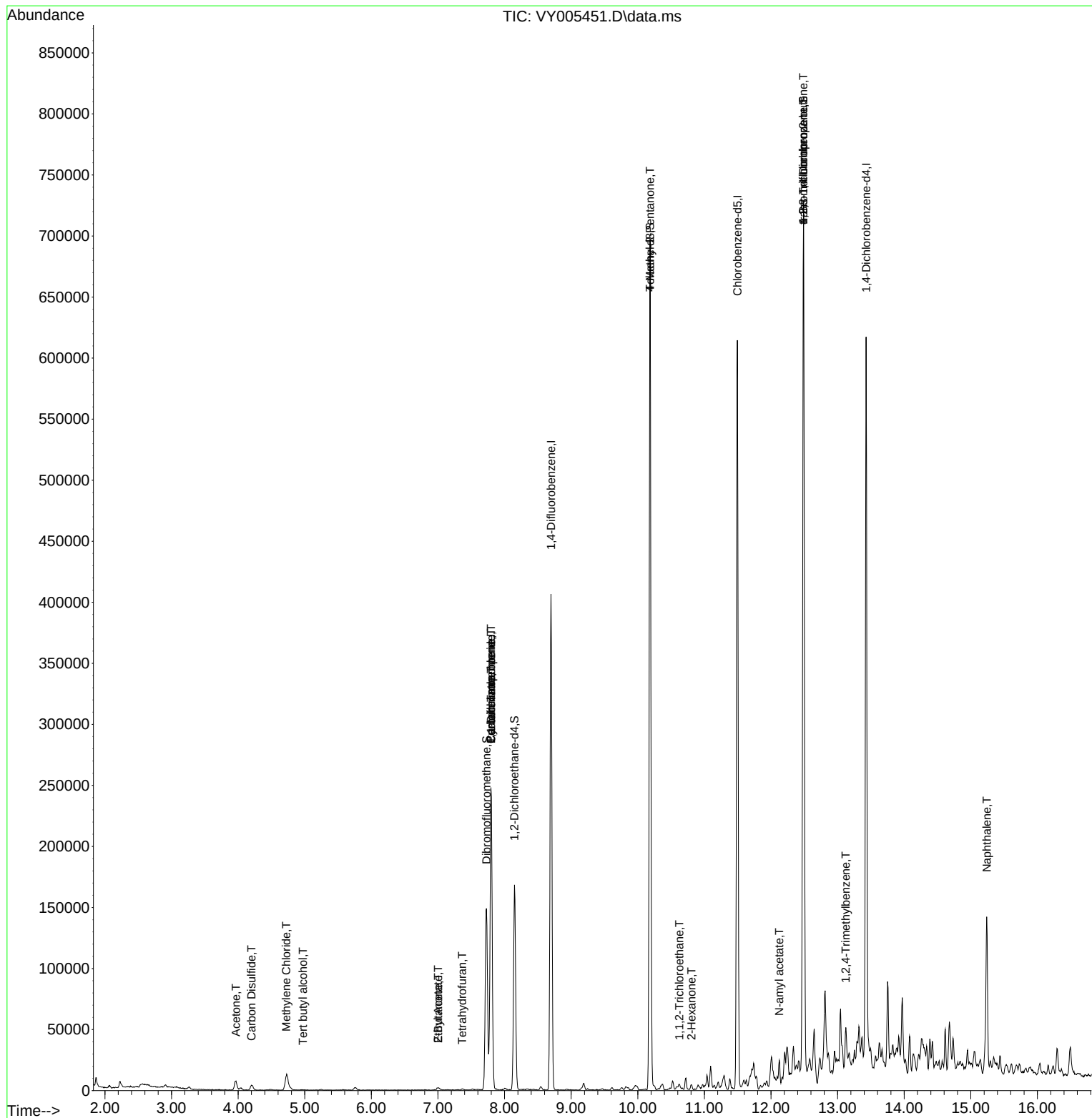
Internal Standards						
1) Pentafluorobenzene	7.795	168	199525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	338605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	332928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	133309	62.539	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 125.080%		
35) Dibromofluoromethane	7.728	113	105230	53.822	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 107.640%		
50) Toluene-d8	10.185	98	434877	52.480	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 104.960%		
62) 4-Bromofluorobenzene	12.483	95	145038	53.031	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 106.060%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.973	59	606	3.009	ug/l #	82
16) Acetone	3.967	43	13048	26.804	ug/l	95
17) Carbon Disulfide	4.198	76	8539	1.354	ug/l	95
20) Methylene Chloride	4.723	84	9229	2.220	ug/l	94
25) 2-Butanone	7.003	43	3132	4.296	ug/l #	81
29) Tetrahydrofuran	7.362	42	543	1.125	ug/l #	67
31) Cyclohexane	7.795	56	4520	1.242	ug/l #	41
36) 1,1-Dichloropropene	7.795	75	13920	4.252	ug/l #	49
37) Ethyl Acetate	7.003	43	3132	1.572	ug/l #	71
38) Carbon Tetrachloride	7.795	117	18533	5.180	ug/l #	16
51) 4-Methyl-2-Pentanone	10.185	43	2342	1.222	ug/l #	1
55) 1,1,2-Trichloroethane	10.624	97	1978	1.081	ug/l #	20
59) 2-Hexanone	10.807	43	1863	1.387	ug/l #	25
74) N-amyl acetate	12.124	43	4377	1.394	ug/l #	65
76) 1,2,3-Trichloropropane	12.483	75	81897	55.669	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	81897	108.093	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.123	105	17725	2.052	ug/l	99
95) Naphthalene	15.239	128	100130	16.315	ug/l	99

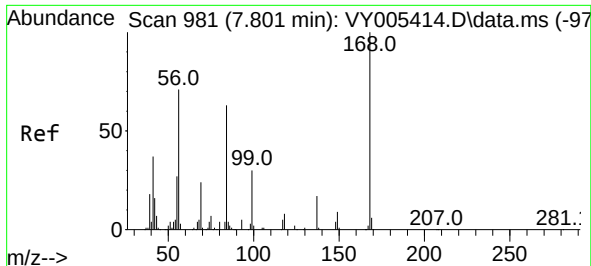
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 23 06:20:14 2021
Response via : Initial Calibration

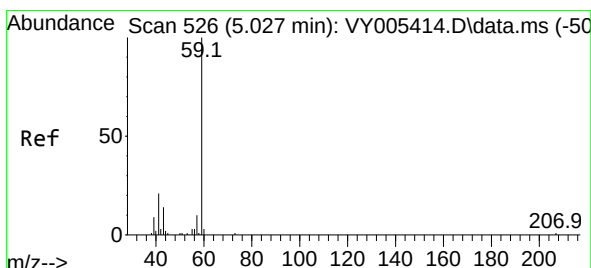
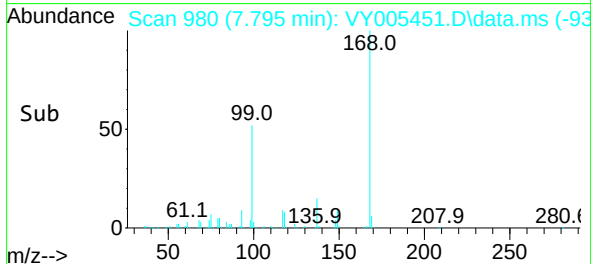
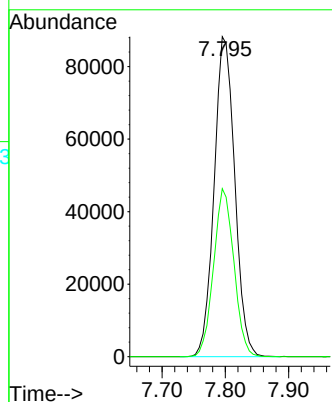
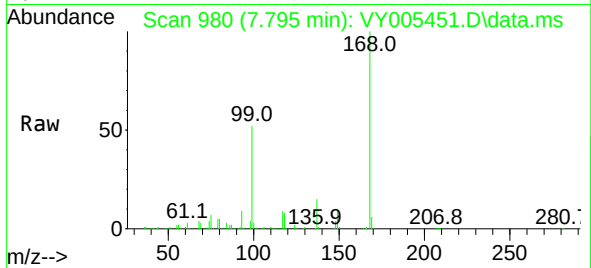




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

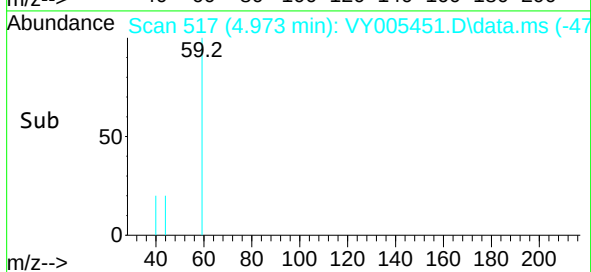
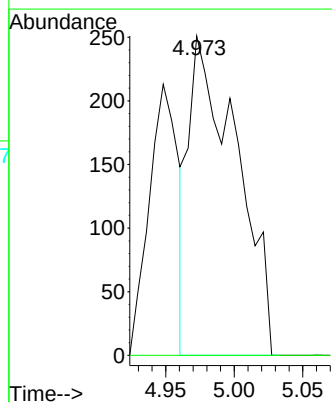
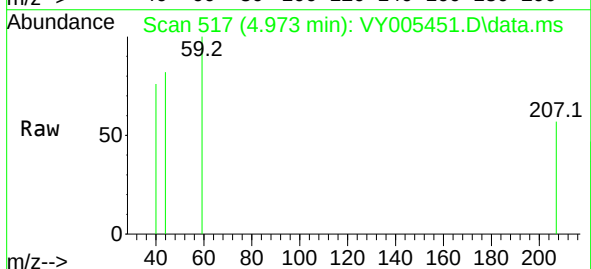
Instrument :
MSVOA_Y
ClientSampleId :

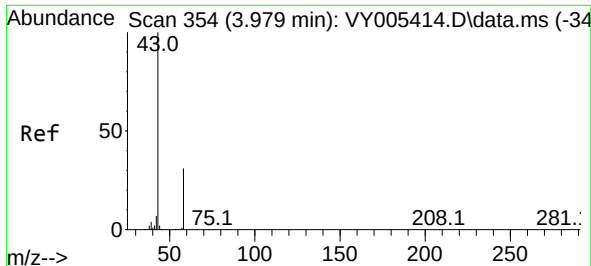
Tgt Ion:168 Resp: 199525
Ion Ratio Lower Upper
168 100
99 52.5 39.8 59.6



#11
Tert butyl alcohol
Concen: 3.009 ug/l
RT: 4.973 min Scan# 517
Delta R.T. -0.055 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

Tgt Ion: 59 Resp: 606
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#

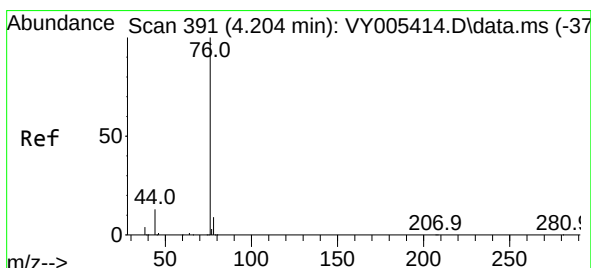
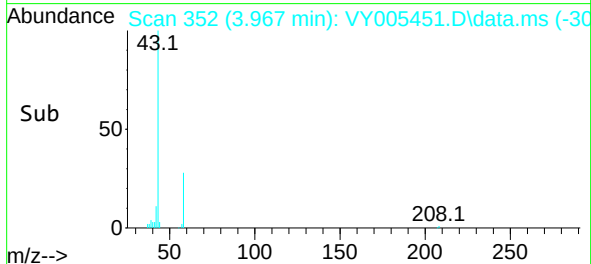
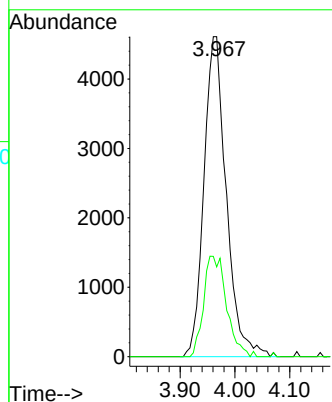
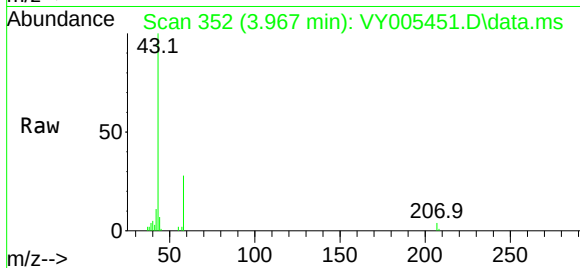




#16
Acetone
Concen: 26.804 ug/l
RT: 3.967 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

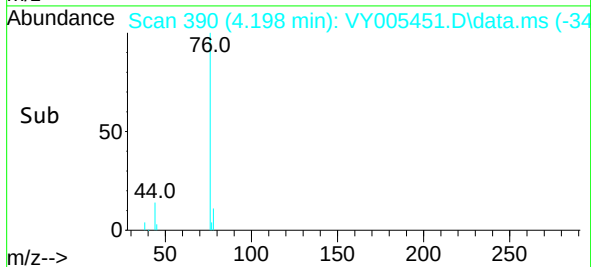
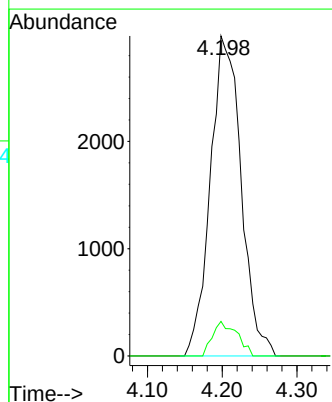
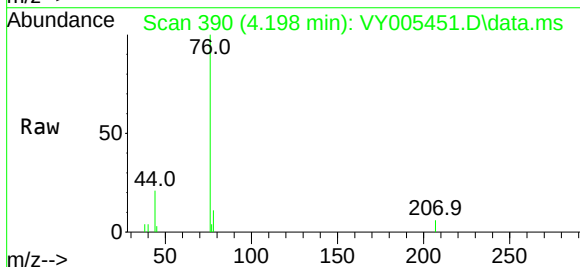
Instrument :
MSVOA_Y
ClientSampled :

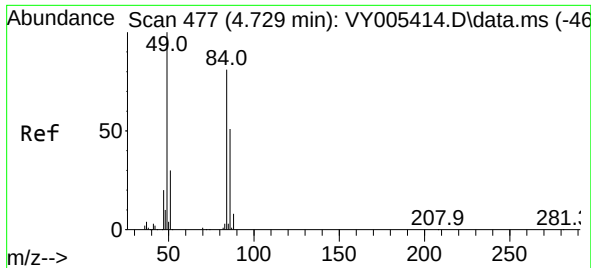
Tgt Ion: 43 Resp: 13048
Ion Ratio Lower Upper
43 100
58 28.1 24.5 36.7



#17
Carbon Disulfide
Concen: 1.354 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

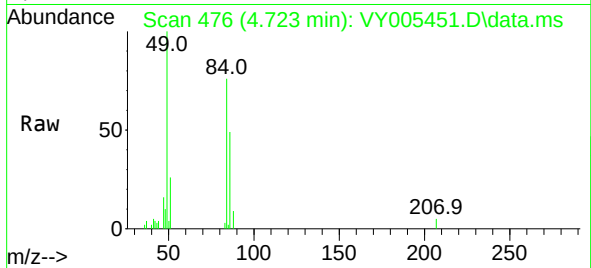
Tgt Ion: 76 Resp: 8539
Ion Ratio Lower Upper
76 100
78 10.8 7.3 10.9



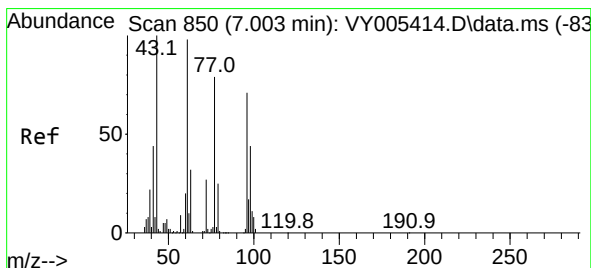
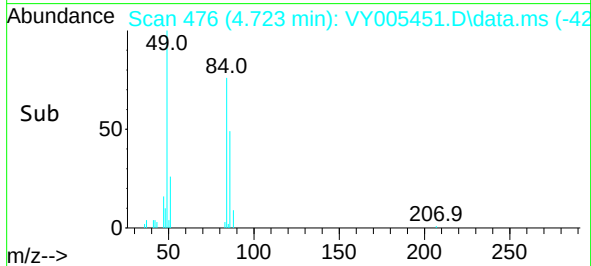
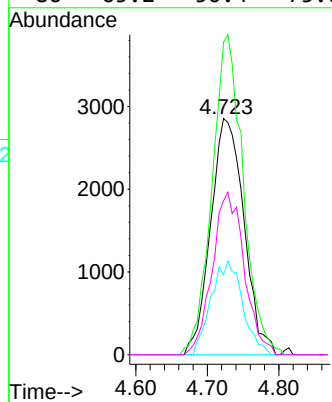


#20
Methylene Chloride
Concen: 2.220 ug/l
RT: 4.723 min Scan# 476
Delta R.T. -0.006 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

Instrument :
MSVOA_Y
ClientSampleId :

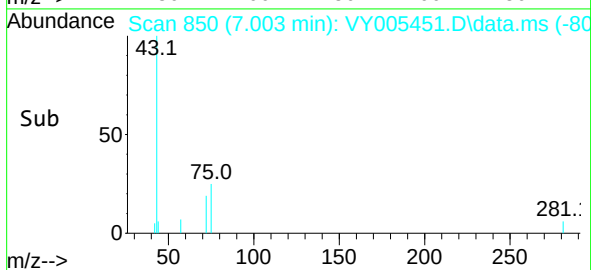
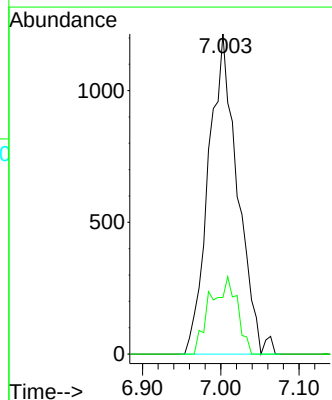
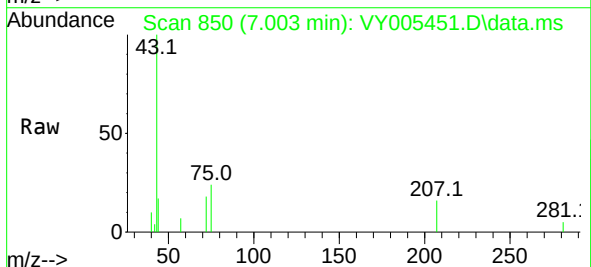


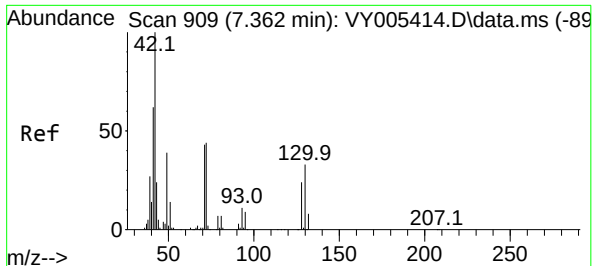
Tgt Ion:	84	Resp:	9229
Ion	Ratio	Lower	Upper
84	100		
49	132.4	98.9	148.3
51	33.8	30.0	45.0
86	65.2	50.4	75.6



#25
2-Butanone
Concen: 4.296 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

Tgt Ion:	43	Resp:	3132
Ion	Ratio	Lower	Upper
43	100		
72	17.7	21.9	32.9#





#29

Tetrahydrofuran

Concen: 1.125 ug/l

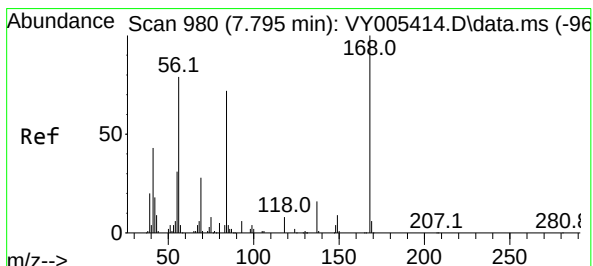
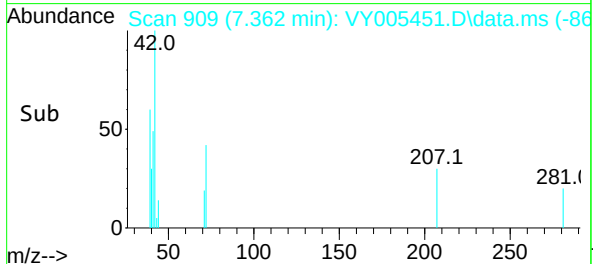
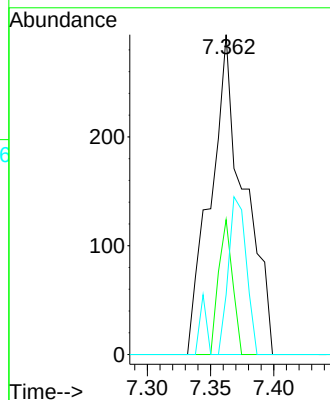
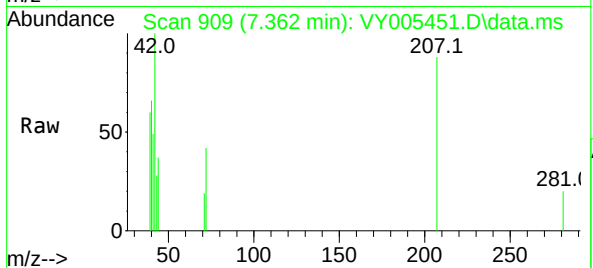
RT: 7.362 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY005451.D

Acq: 26 Jul 2021 17:45

Tgt Ion:	42	Resp:	543
Ion	Ratio	Lower	Upper
42	100		
72	17.3	35.3	52.9#
71	26.2	33.4	50.2#



#31

Cyclohexane

Concen: 1.242 ug/l

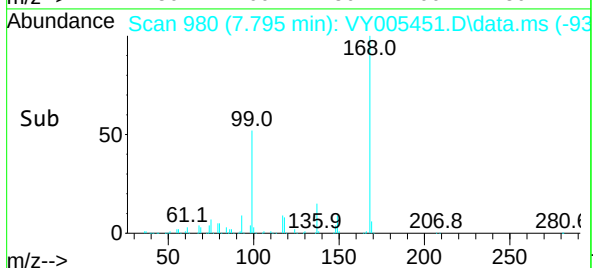
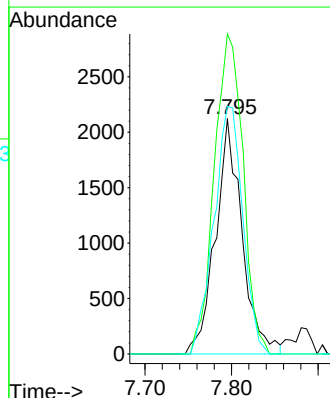
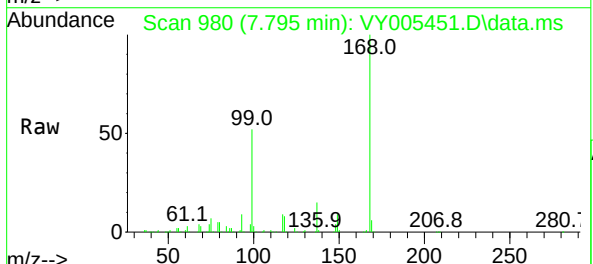
RT: 7.795 min Scan# 980

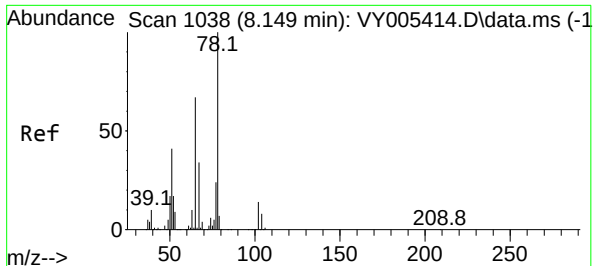
Delta R.T. 0.000 min

Lab File: VY005451.D

Acq: 26 Jul 2021 17:45

Tgt Ion:	56	Resp:	4520
Ion	Ratio	Lower	Upper
56	100		
69	136.0	28.7	43.1#
84	105.3	73.0	109.6

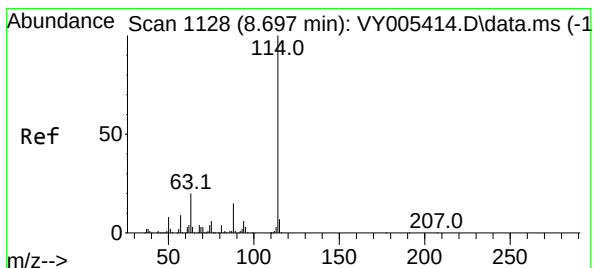
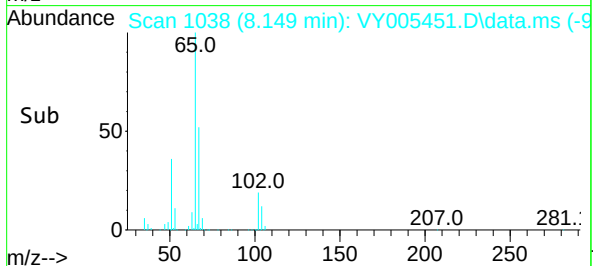
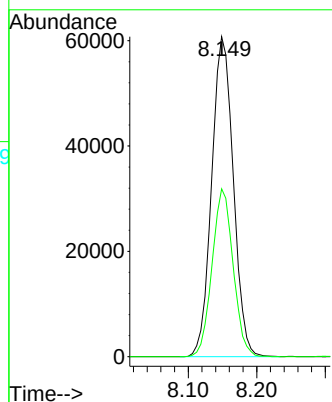
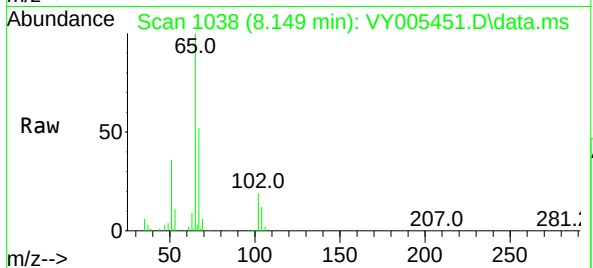




#33
1,2-Dichloroethane-d4
Concen: 62.539 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

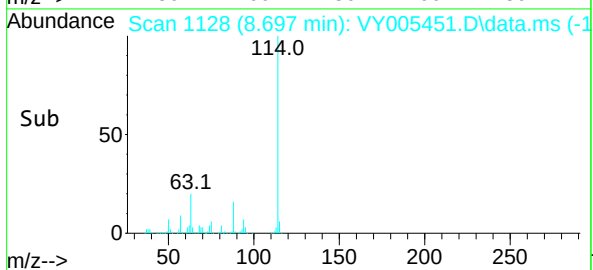
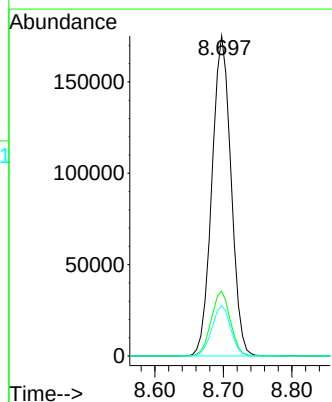
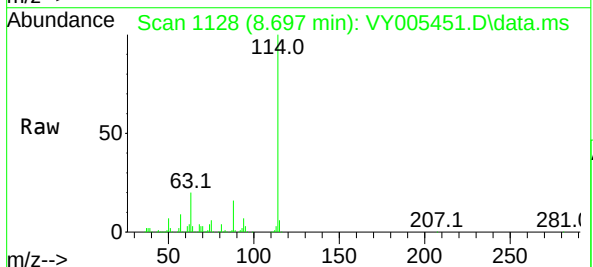
Instrument :
MSVOA_Y
ClientSampleId :

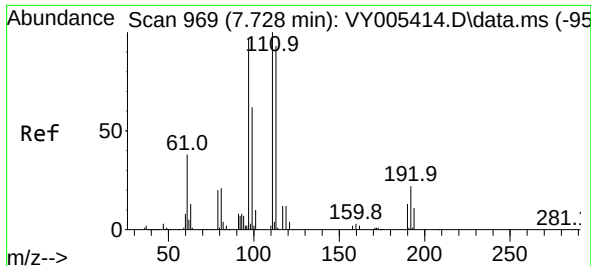
Tgt Ion: 65 Resp: 133309
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

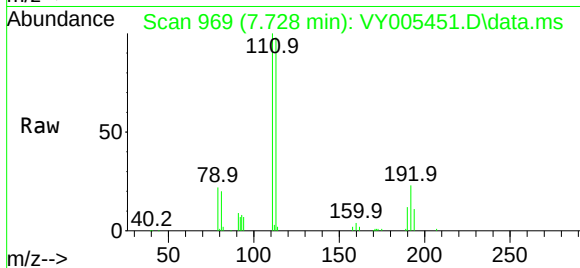
Tgt Ion:114 Resp: 338605
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.0
88 15.7 0.0 30.8



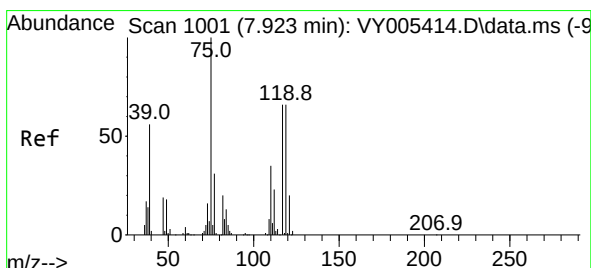
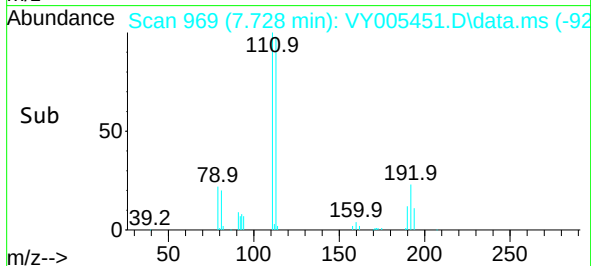
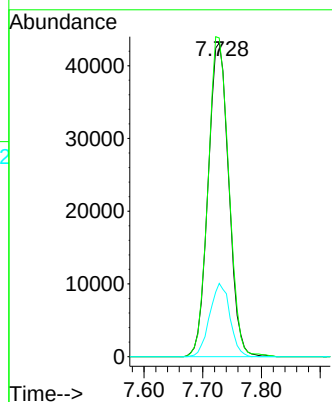


#35
Dibromofluoromethane
Concen: 53.822 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

Instrument :
MSVOA_Y
ClientSampleId :

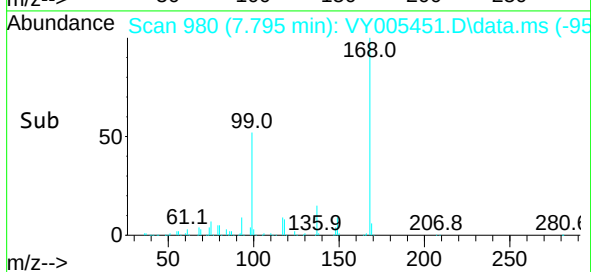
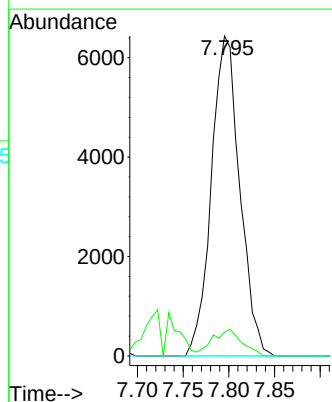
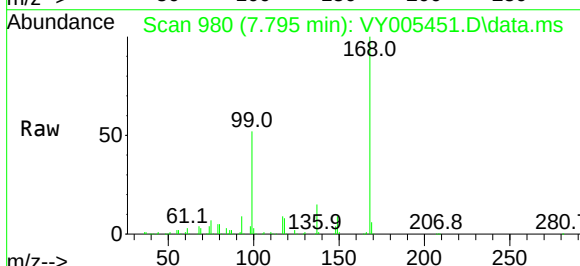


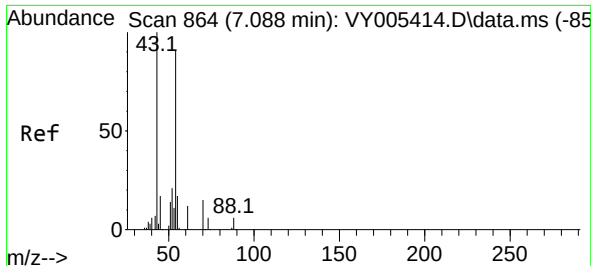
Tgt Ion:113 Resp: 105230
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 22.9 18.9 28.3



#36
1,1-Dichloropropene
Concen: 4.252 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

Tgt Ion: 75 Resp: 13920
Ion Ratio Lower Upper
75 100
110 8.6 17.6 52.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.572 ug/l

RT: 7.003 min Scan# 850

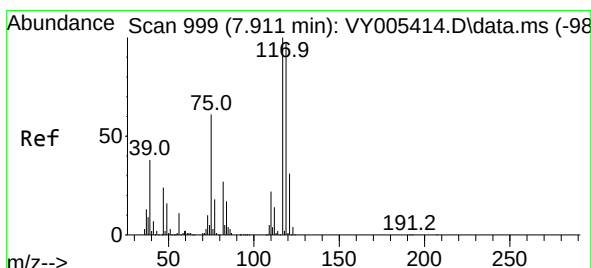
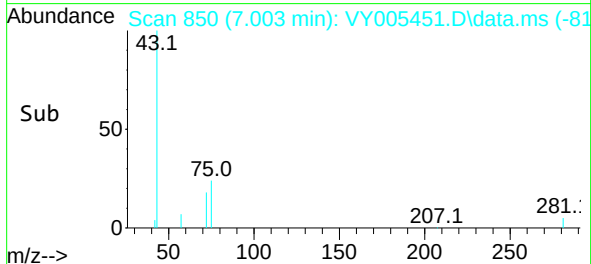
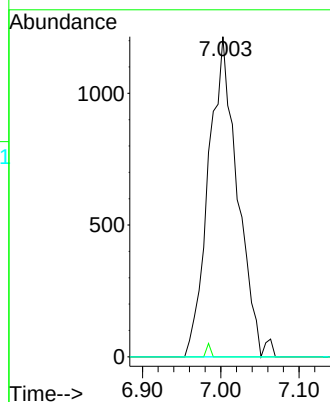
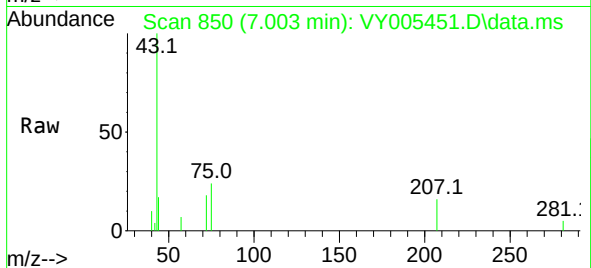
Delta R.T. -0.085 min

Lab File: VY005451.D

Acq: 26 Jul 2021 17:45

Tgt Ion:	43	Resp:	3132
Ion	Ratio	Lower	Upper
43	100		
61	0.6	10.3	15.5#
70	0.0	7.9	11.9#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.180 ug/l

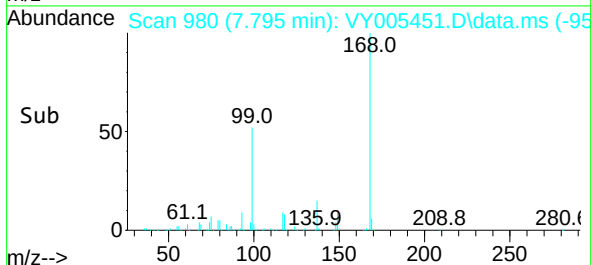
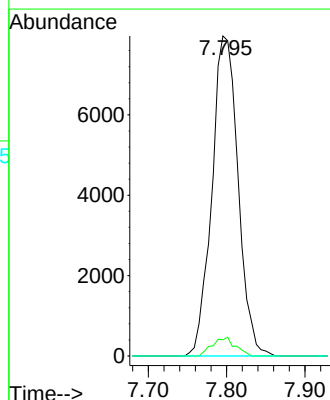
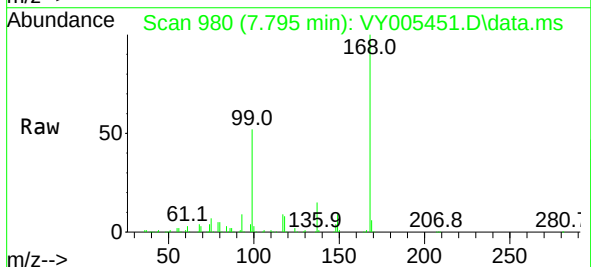
RT: 7.795 min Scan# 980

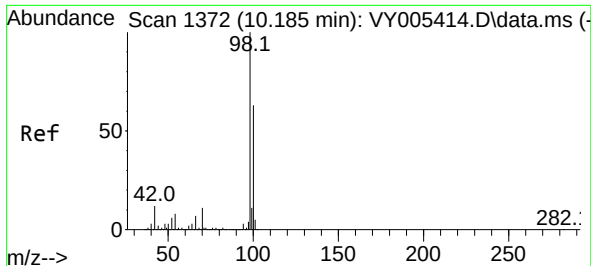
Delta R.T. -0.116 min

Lab File: VY005451.D

Acq: 26 Jul 2021 17:45

Tgt Ion:	117	Resp:	18533
Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.2	115.8#
121	0.0	25.1	37.7#

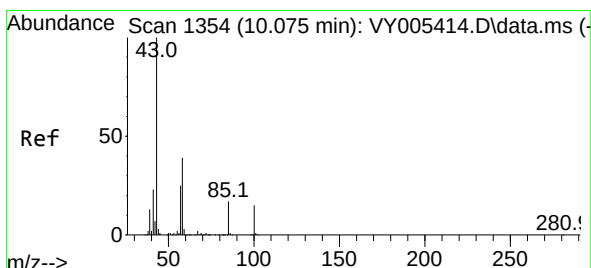
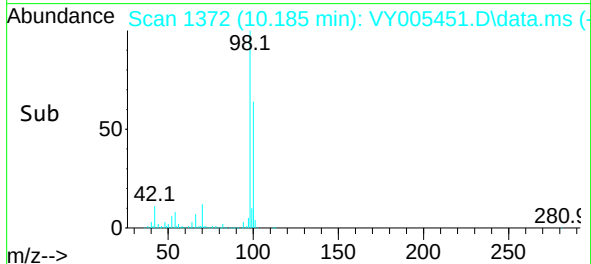
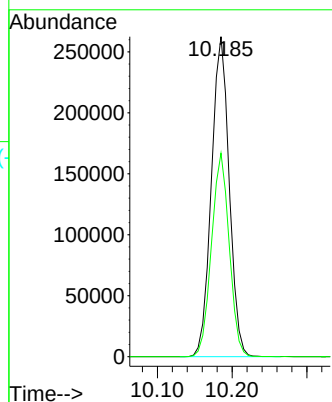
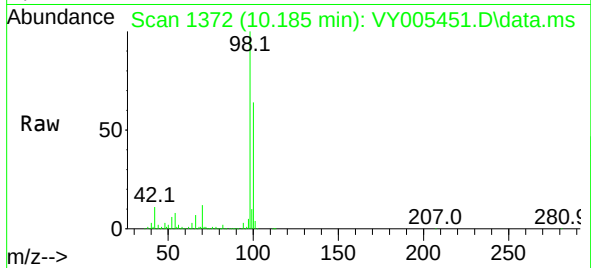




#50
Toluene-d8
Concen: 52.480 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

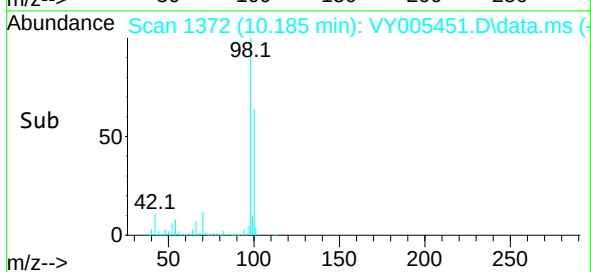
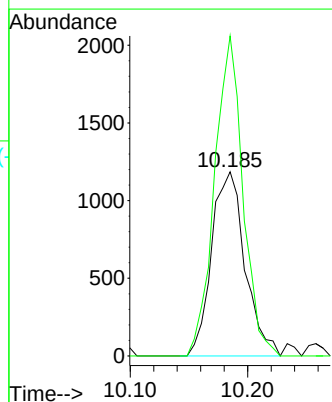
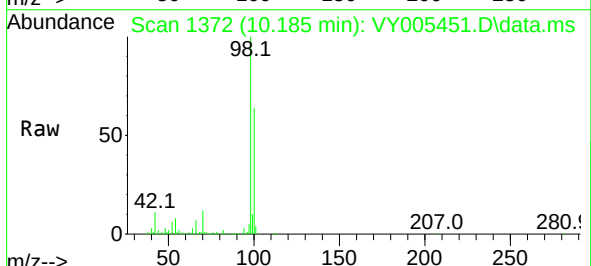
Instrument :
MSVOA_Y
ClientSampled :

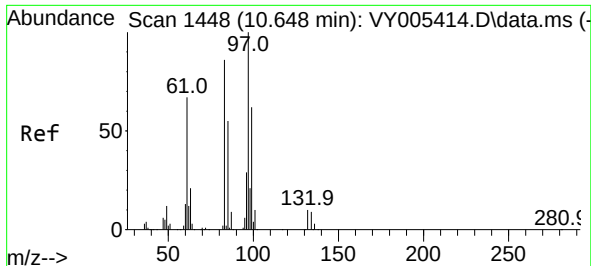
Tgt Ion: 98 Resp: 434877
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.222 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

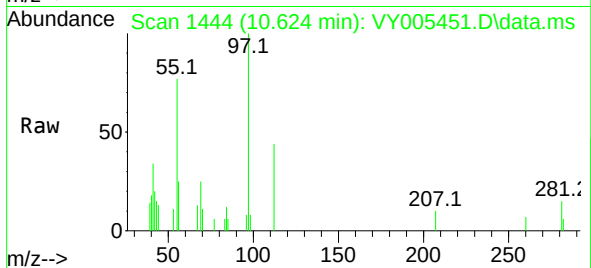
Tgt Ion: 43 Resp: 2342
Ion Ratio Lower Upper
43 100
58 148.0 31.2 46.8#



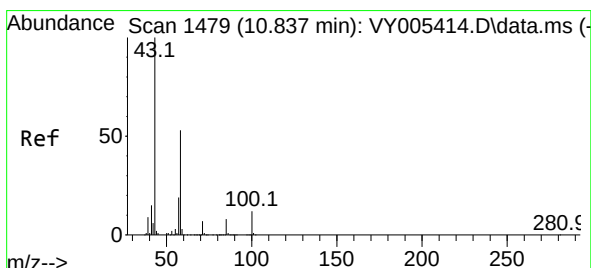
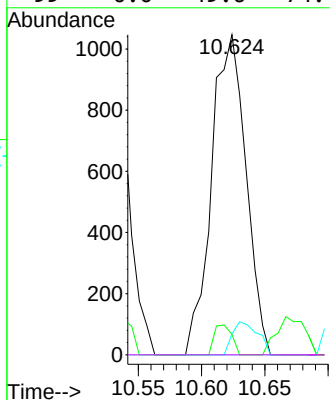
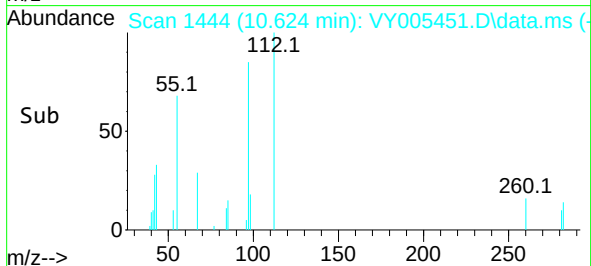


#55
1,1,2-Trichloroethane
Concen: 1.081 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

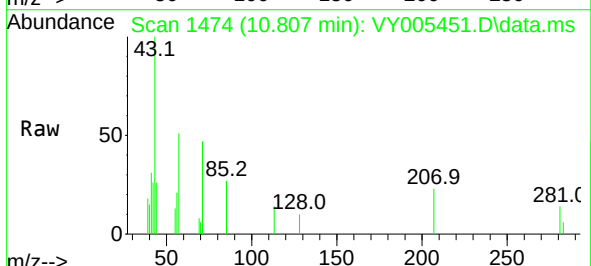
Instrument :
MSVOA_Y
ClientSampleId :



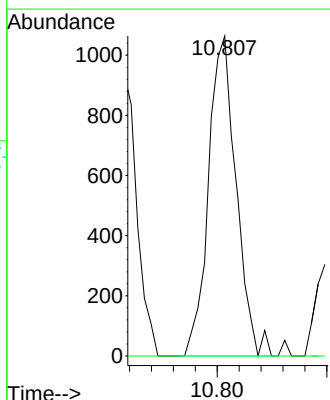
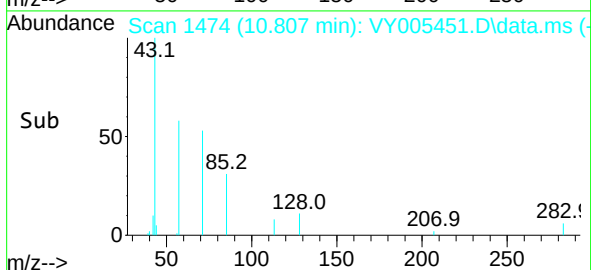
Tgt Ion	Ratio	Lower	Upper
97	100		
83	6.4	69.0	103.4#
85	6.5	44.2	66.2#
99	0.0	49.6	74.4#

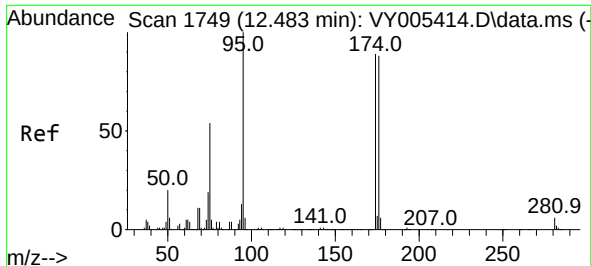


#59
2-Hexanone
Concen: 1.387 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45



Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.1	81.2#

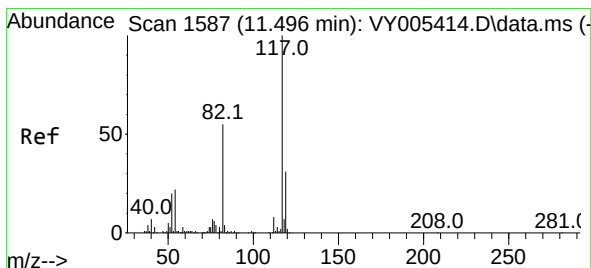
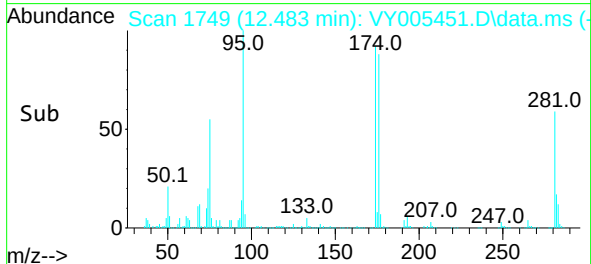
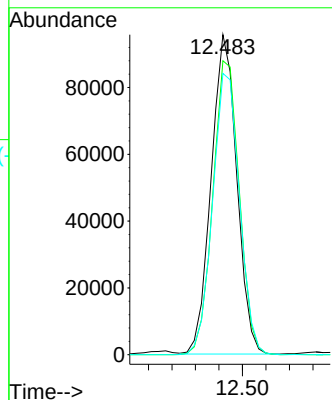
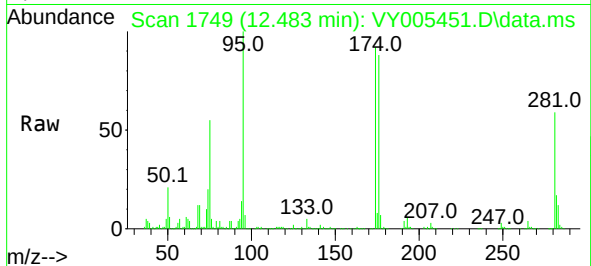




#62
4-Bromofluorobenzene
Concen: 53.031 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

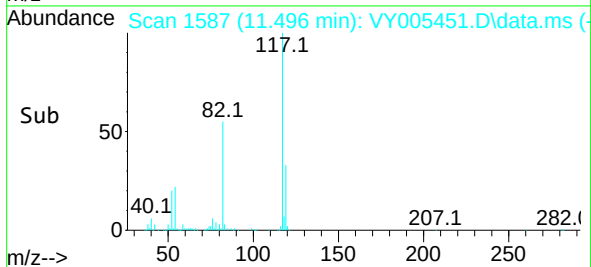
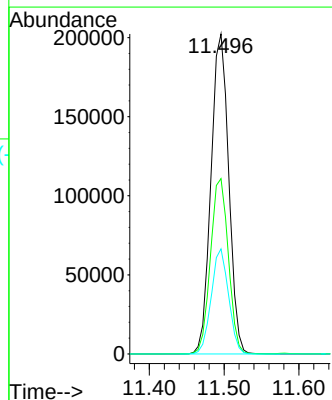
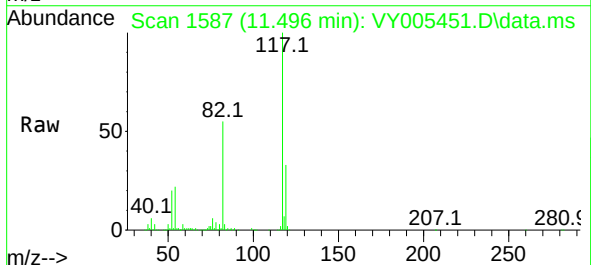
Instrument :
MSVOA_Y
ClientSampleId :

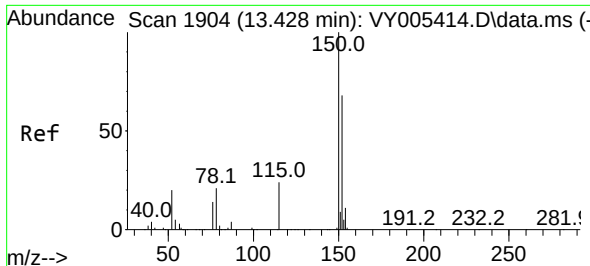
Tgt Ion: 95 Resp: 145038
Ion Ratio Lower Upper
95 100
174 94.7 0.0 186.6
176 92.1 0.0 182.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

Tgt Ion: 117 Resp: 332928
Ion Ratio Lower Upper
117 100
82 54.8 43.8 65.6
119 32.8 24.8 37.2

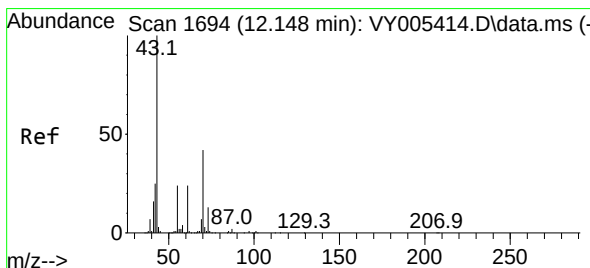
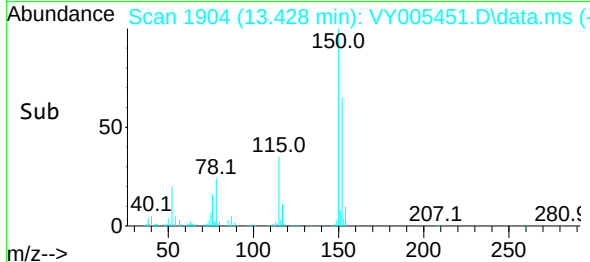
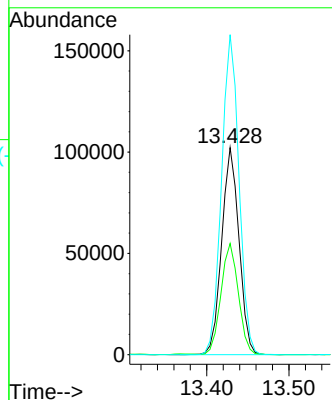
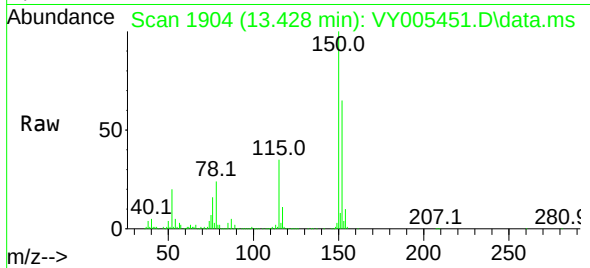




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

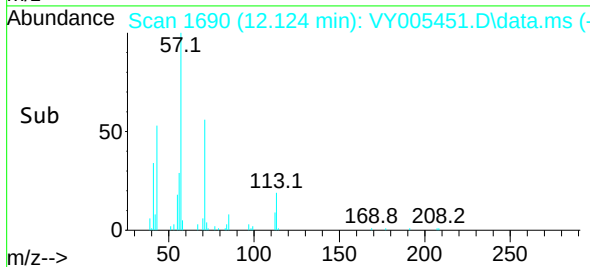
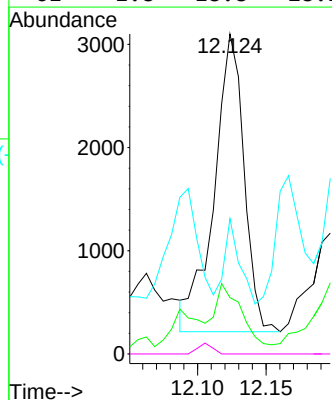
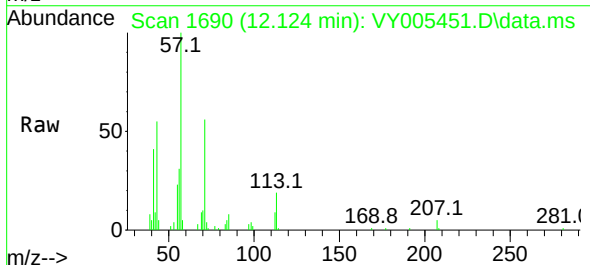
Instrument :
MSVOA_Y
ClientSampleId :

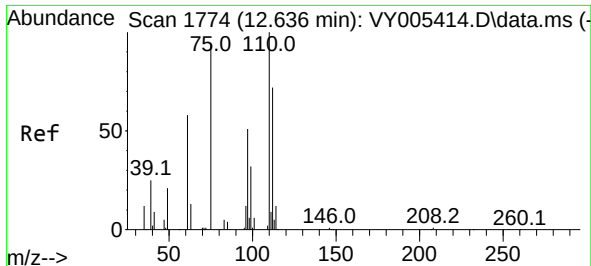
Tgt Ion:152 Resp: 149510
Ion Ratio Lower Upper
152 100
115 54.1 27.7 83.1
150 155.8 0.0 349.6



#74
N-ethyl acetate
Concen: 1.394 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

Tgt Ion: 43 Resp: 4377
Ion Ratio Lower Upper
43 100
70 17.0 32.9 49.3#
55 14.3 19.1 28.7#
61 1.8 18.8 28.2#

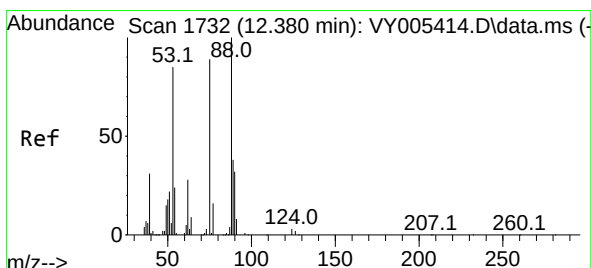
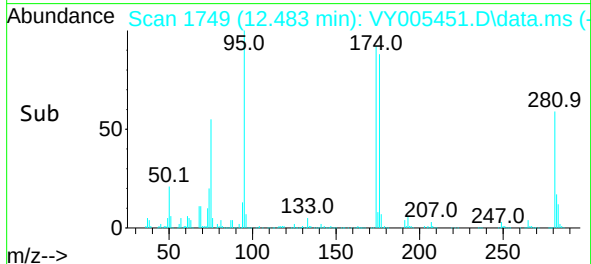
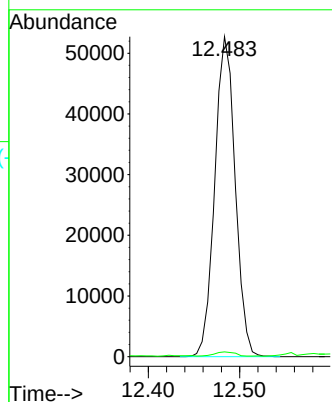
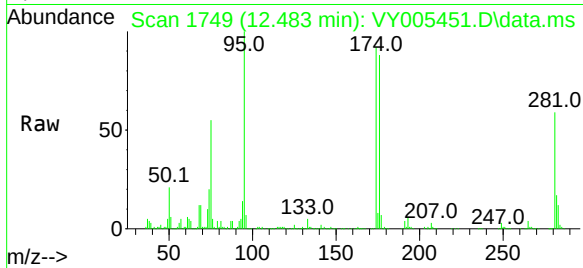




#76
1,2,3-Trichloropropane
Concen: 55.669 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

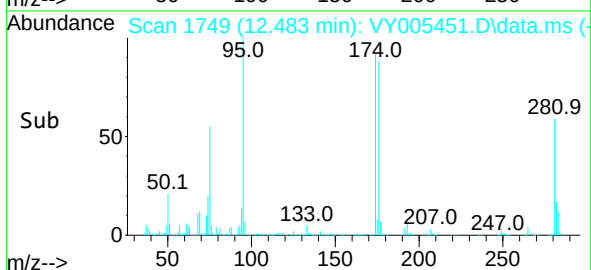
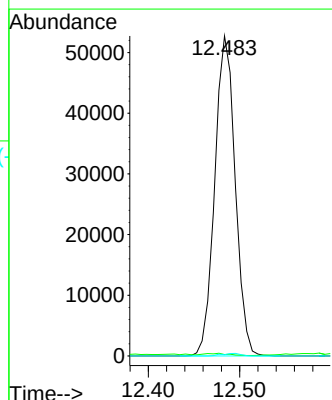
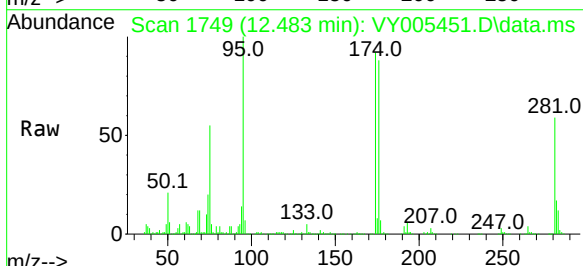
Instrument :
MSVOA_Y
ClientSampleId :

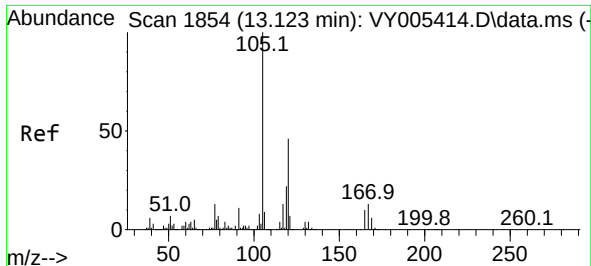
Tgt Ion: 75 Resp: 81897
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.093 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

Tgt Ion: 75 Resp: 81897
Ion Ratio Lower Upper
75 100
53 0.7 76.1 114.1#
89 0.8 36.9 55.3#

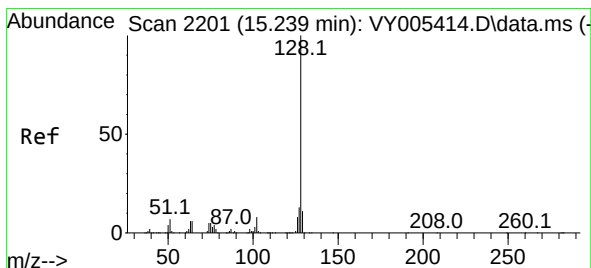
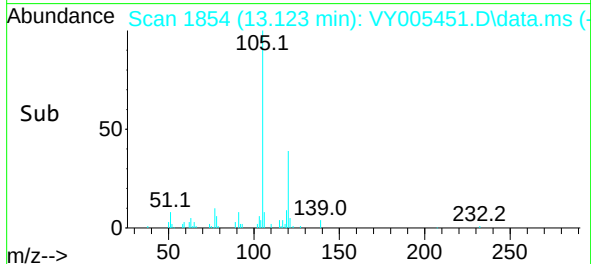
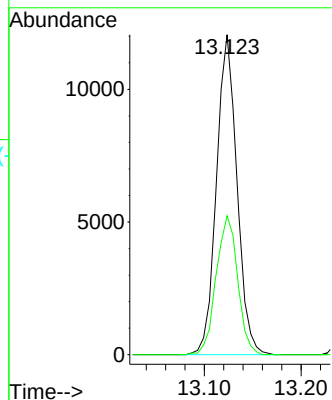
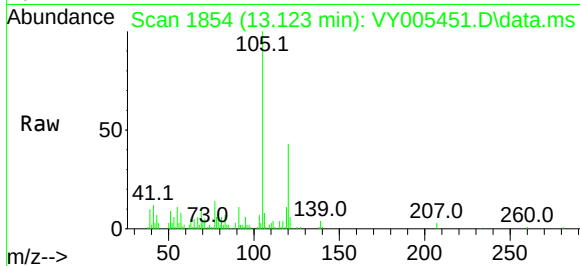




#84
1,2,4-Trimethylbenzene
Concen: 2.052 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:105 Resp: 17725
Ion Ratio Lower Upper
105 100
120 45.4 22.9 68.8



#95
Naphthalene
Concen: 16.315 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005451.D
Acq: 26 Jul 2021 17:45

Tgt Ion:128 Resp: 100130
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 11.5 8.6 13.0

