

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072621\
 Data File : VY005447.D
 Acq On : 26 Jul 2021 16:12
 Operator : SY/MD
 Sample : M3150-04RE
 Misc : 4.87G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 27 03:10:49 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)

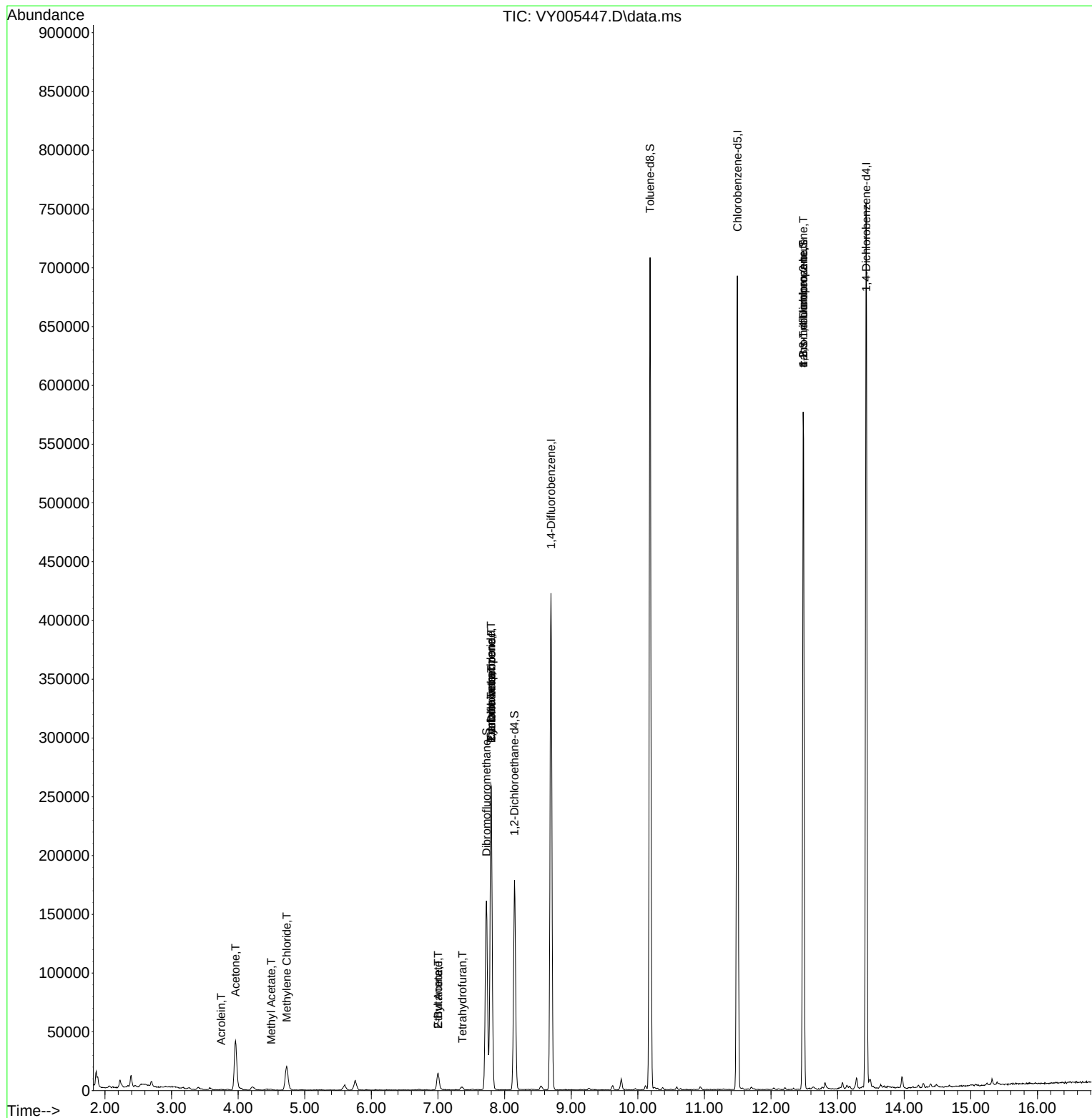
Internal Standards						
1) Pentafluorobenzene	7.801	168	211361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	356295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	366346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	188281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	140472	62.209	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.420%	
35) Dibromofluoromethane	7.728	113	110944	53.928	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.860%	
50) Toluene-d8	10.185	98	457298	52.445	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.900%	
62) 4-Bromofluorobenzene	12.483	95	162177	56.354	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.700%	
Target Compounds						
					Qvalue	
13) Acrolein	3.747	56	706	3.614	ug/l	83
16) Acetone	3.960	43	72673	140.929	ug/l	100
18) Methyl Acetate	4.497	43	1533	1.058	ug/l #	79
20) Methylene Chloride	4.729	84	14834	3.919	ug/l	96
25) 2-Butanone	7.003	43	23564	30.514	ug/l	100
29) Tetrahydrofuran	7.368	42	1741	3.404	ug/l	95
31) Cyclohexane	7.801	56	4328	1.123	ug/l #	5
36) 1,1-Dichloropropene	7.801	75	15368	4.461	ug/l #	50
37) Ethyl Acetate	7.003	43	23564	11.236	ug/l #	70
38) Carbon Tetrachloride	7.795	117	19528	5.187	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	90641	48.925	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	90641	94.999	ug/l #	11

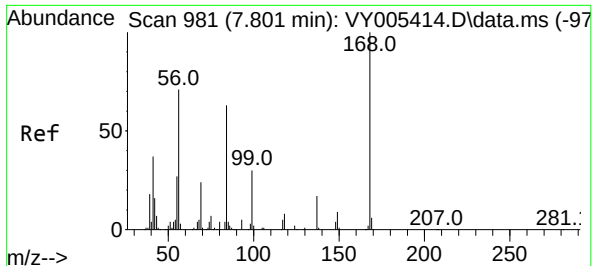
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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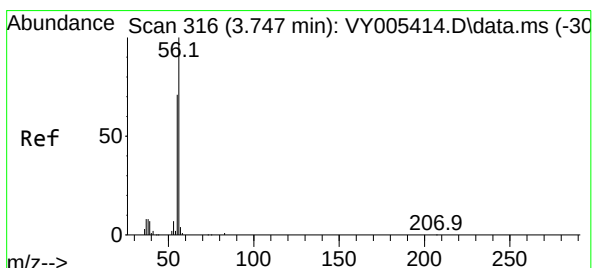
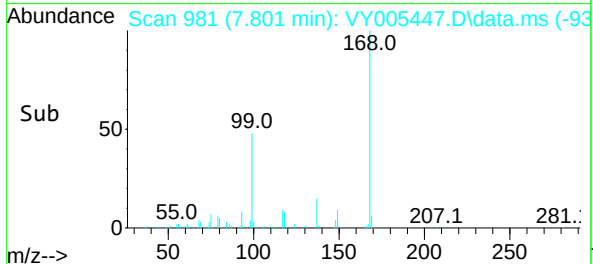
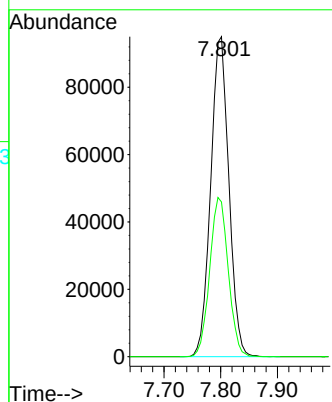
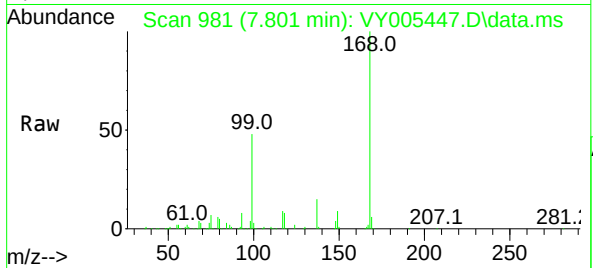




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005447.D
Acq: 26 Jul 2021 16:12

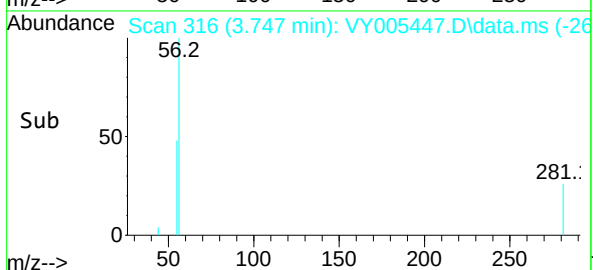
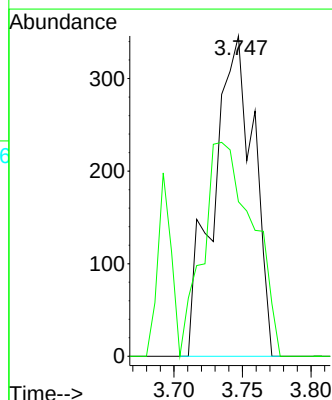
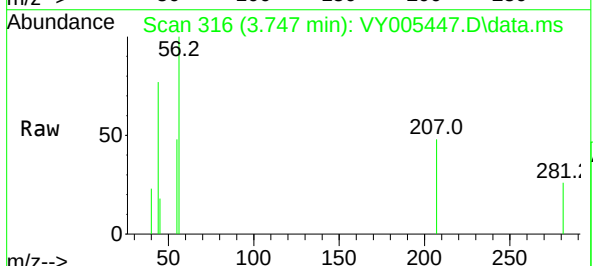
Instrument :
MSVOA_Y
ClientSampleId :

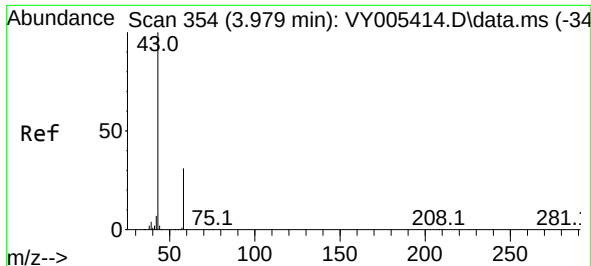
Tgt Ion:168 Resp: 211361
Ion Ratio Lower Upper
168 100
99 48.3 39.8 59.6



#13
Acrolein
Concen: 3.614 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY005447.D
Acq: 26 Jul 2021 16:12

Tgt Ion: 56 Resp: 706
Ion Ratio Lower Upper
56 100
55 82.7 55.2 82.8

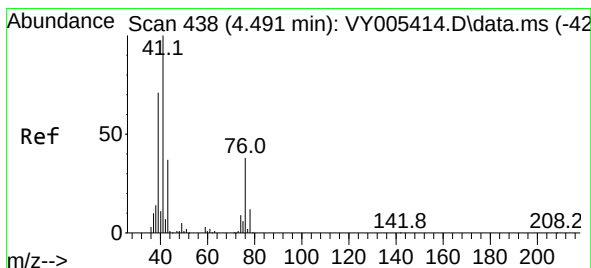
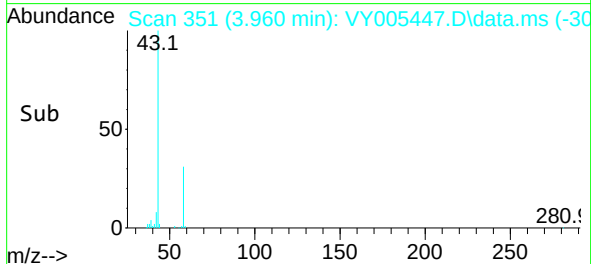
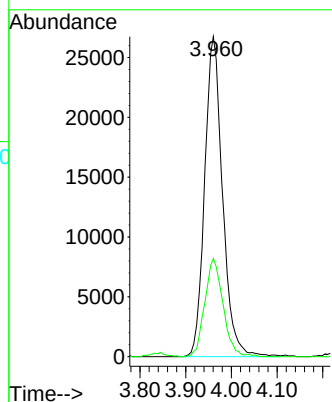
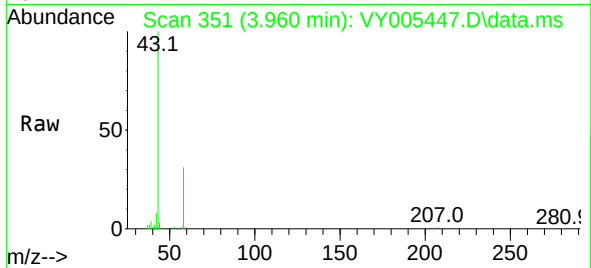




#16
Acetone
Concen: 140.929 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY005447.D
Acq: 26 Jul 2021 16:12

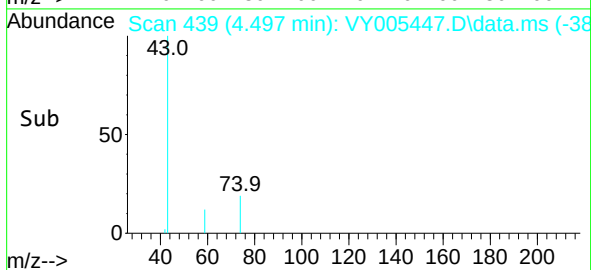
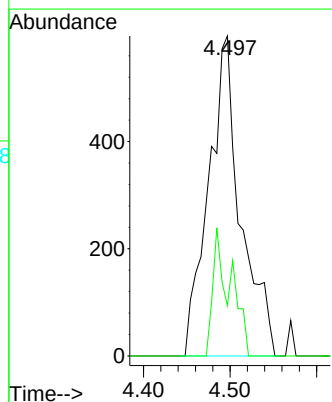
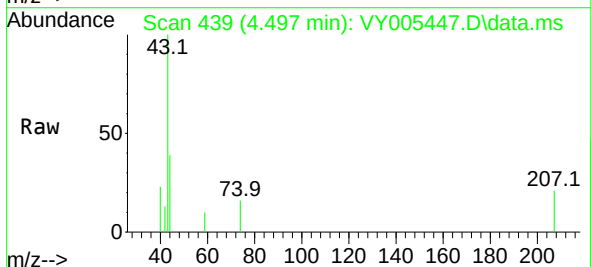
Instrument :
MSVOA_Y
ClientSampled :

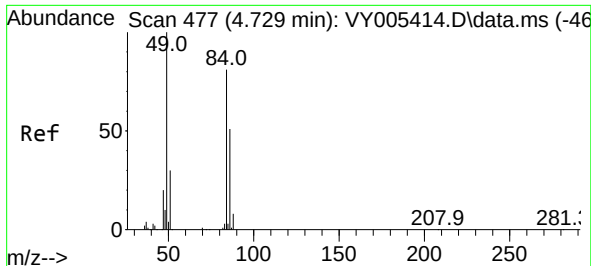
Tgt Ion: 43 Resp: 72673
Ion Ratio Lower Upper
43 100
58 30.6 24.5 36.7



#18
Methyl Acetate
Concen: 1.058 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY005447.D
Acq: 26 Jul 2021 16:12

Tgt Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
74 13.6 19.2 28.8#

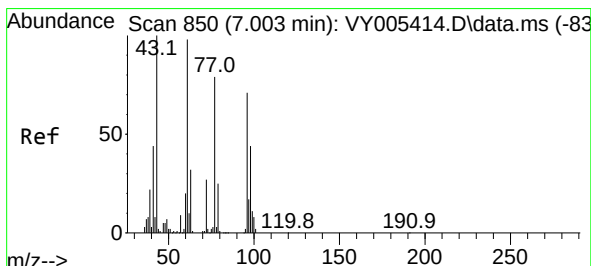
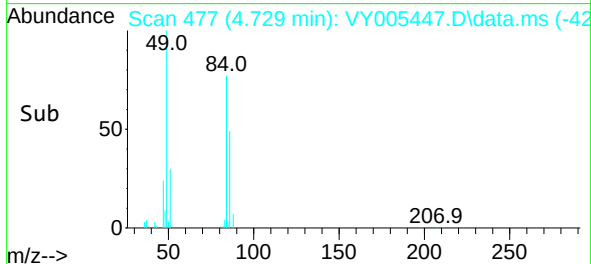
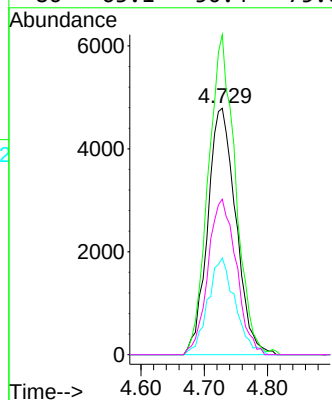
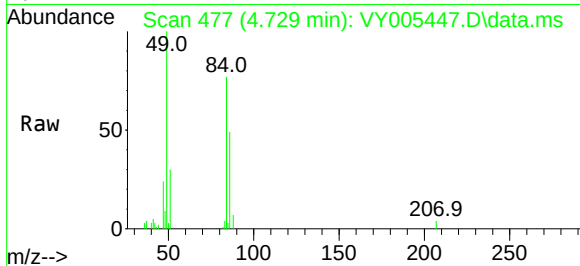




#20
Methylene Chloride
Concen: 3.919 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY005447.D
Acq: 26 Jul 2021 16:12

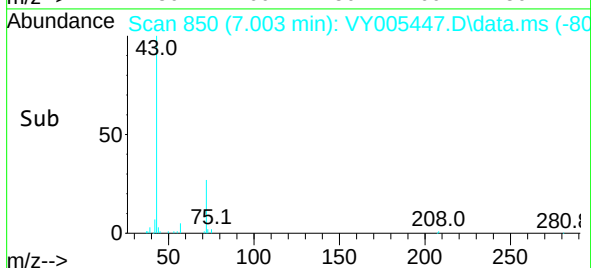
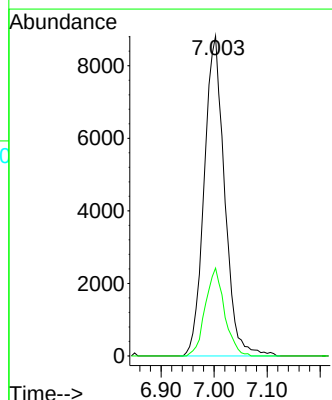
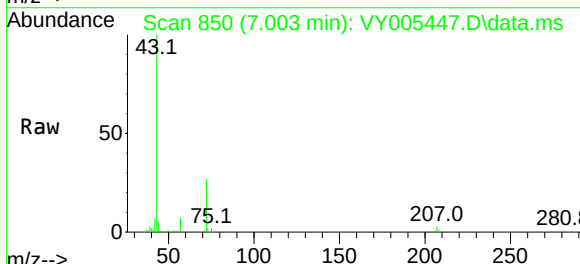
Instrument :
MSVOA_Y
ClientSampleId :

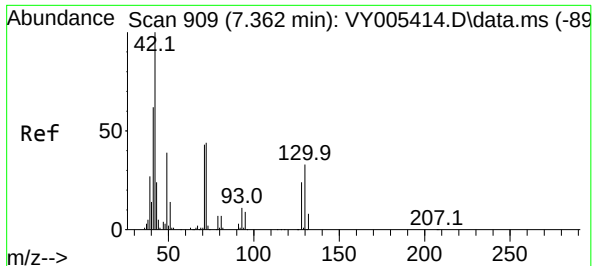
Tgt Ion:	84	Resp:	14834
Ion	Ratio	Lower	Upper
84	100		
49	129.9	98.9	148.3
51	39.2	30.0	45.0
86	63.1	50.4	75.6



#25
2-Butanone
Concen: 30.514 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY005447.D
Acq: 26 Jul 2021 16:12

Tgt Ion:	43	Resp:	23564
Ion	Ratio	Lower	Upper
43	100		
72	27.5	21.9	32.9





#29

Tetrahydrofuran

Concen: 3.404 ug/l

RT: 7.368 min Scan# 910

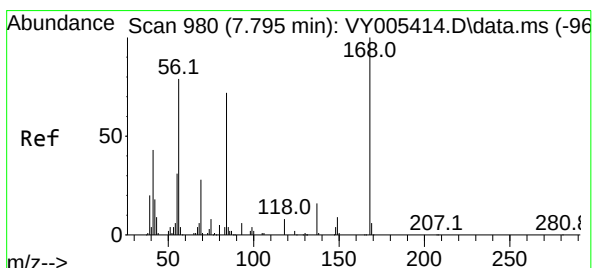
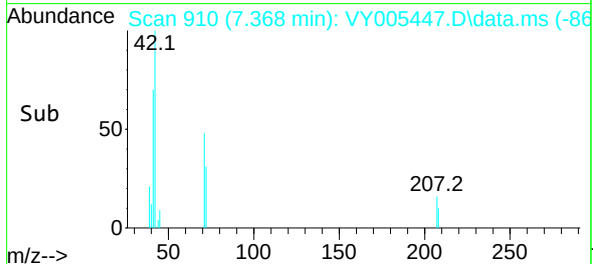
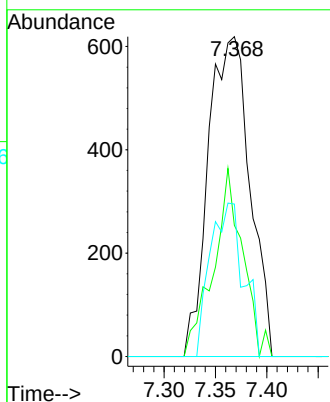
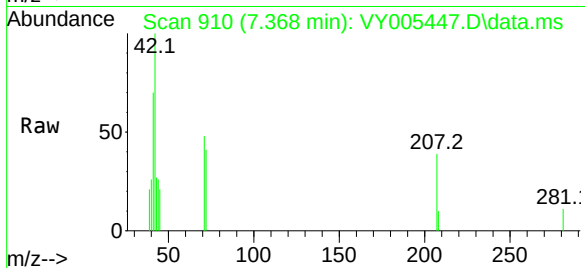
Delta R.T. 0.006 min

Lab File: VY005447.D

Acq: 26 Jul 2021 16:12

Tgt Ion: 42 Resp: 1741

Ion	Ratio	Lower	Upper
42	100		
72	41.5	35.3	52.9
71	38.4	33.4	50.2



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 7.801 min Scan# 981

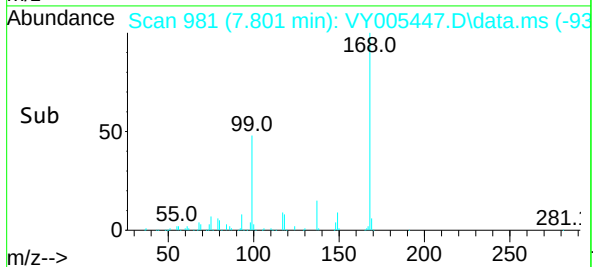
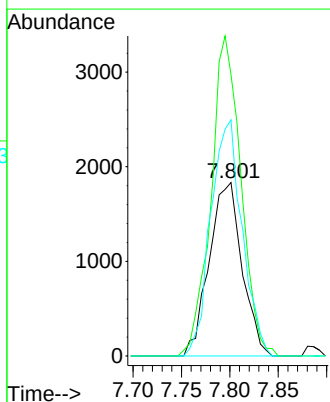
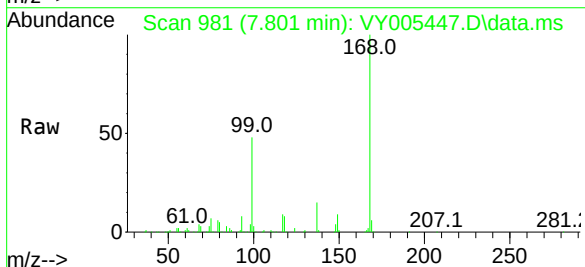
Delta R.T. 0.006 min

Lab File: VY005447.D

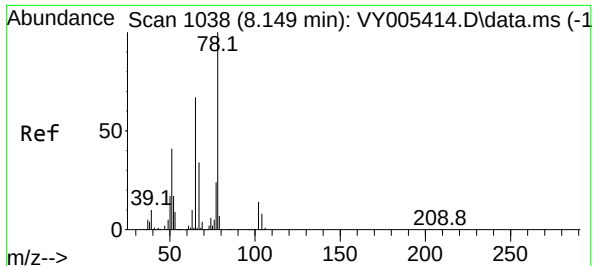
Acq: 26 Jul 2021 16:12

Tgt Ion: 56 Resp: 4328

Ion	Ratio	Lower	Upper
56	100		
69	162.3	28.7	43.1#
84	136.2	73.0	109.6#



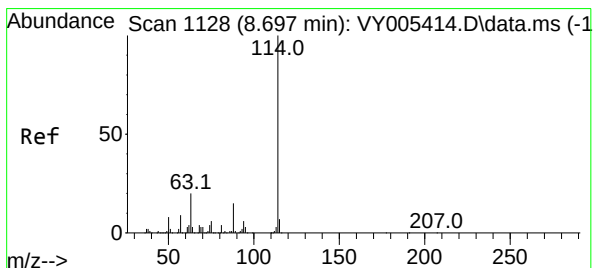
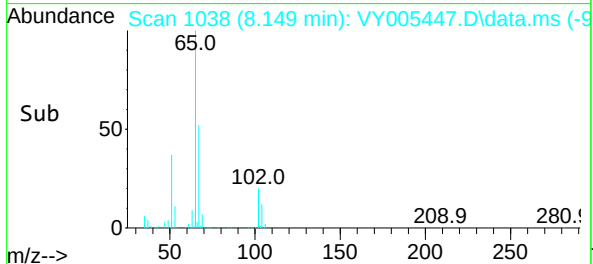
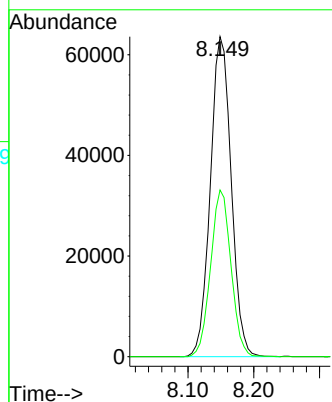
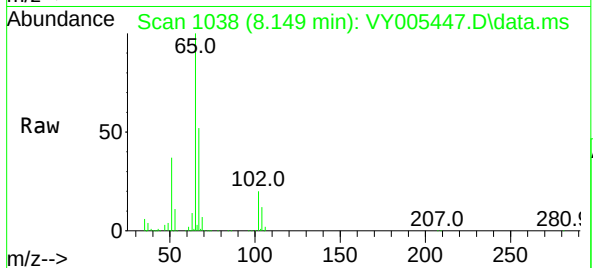
Instrument :
MSVOA_Y
ClientSampleId :



#33
 1,2-Dichloroethane-d4
 Concen: 62.209 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VY005447.D
 Acq: 26 Jul 2021 16:12

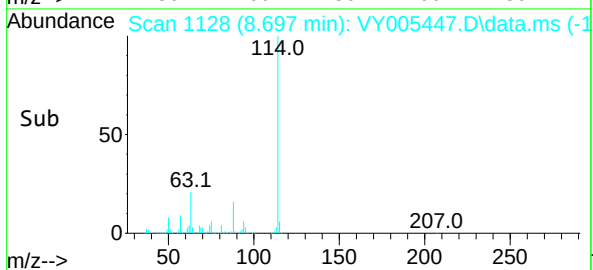
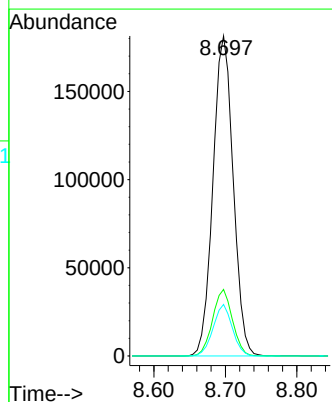
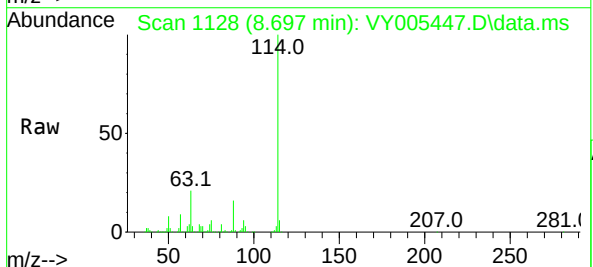
Instrument :
 MSVOA_Y
 ClientSampleId :

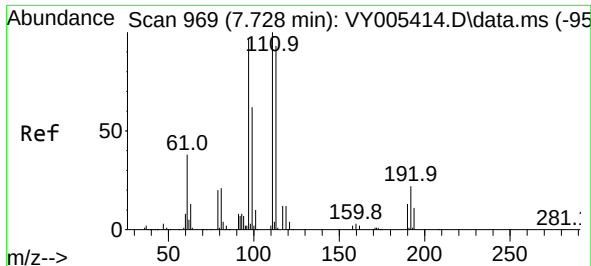
Tgt Ion: 65 Resp: 140472
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY005447.D
 Acq: 26 Jul 2021 16:12

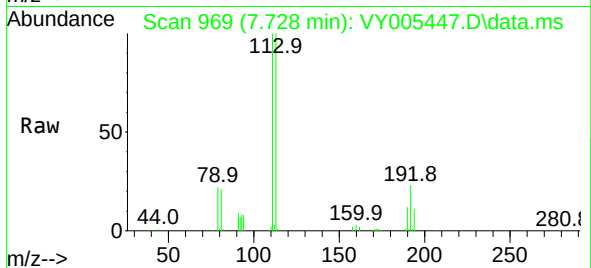
Tgt Ion: 114 Resp: 356295
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.0
 88 16.1 0.0 30.8



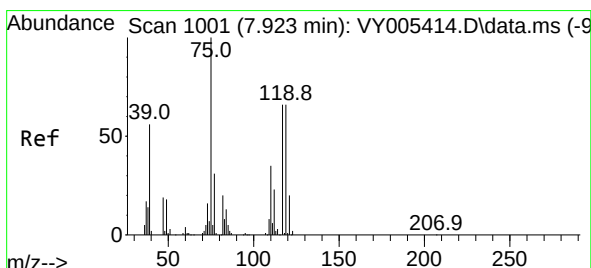
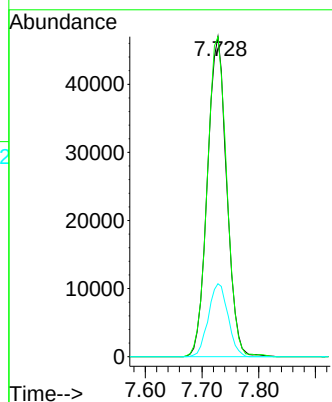
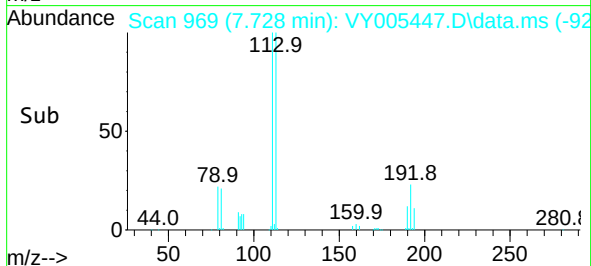


#35
Dibromofluoromethane
Concen: 53.928 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY005447.D
Acq: 26 Jul 2021 16:12

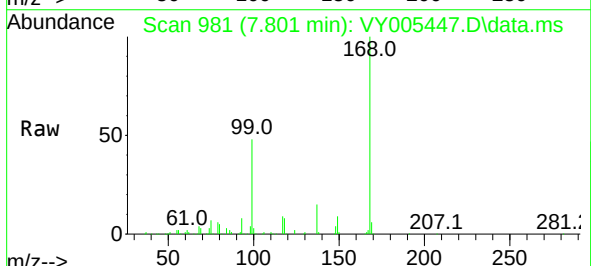
Instrument :
MSVOA_Y
ClientSampleId :



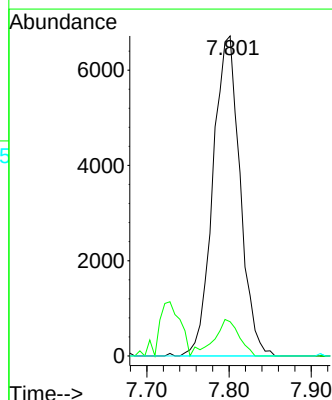
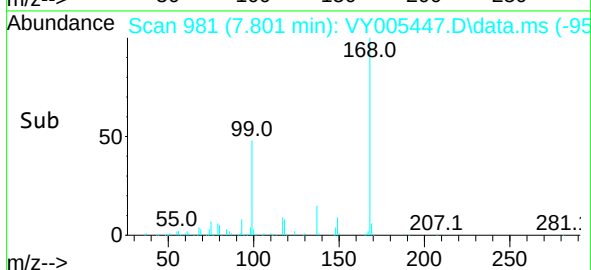
Tgt Ion:113 Resp: 110944
Ion Ratio Lower Upper
113 100
111 101.0 82.6 124.0
192 23.2 18.9 28.3

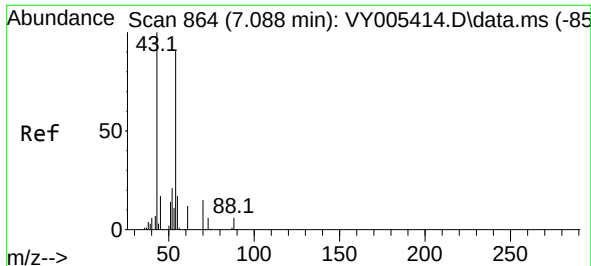


#36
1,1-Dichloropropene
Concen: 4.461 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY005447.D
Acq: 26 Jul 2021 16:12



Tgt Ion: 75 Resp: 15368
Ion Ratio Lower Upper
75 100
110 9.8 17.6 52.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 11.236 ug/l

RT: 7.003 min Scan# 850

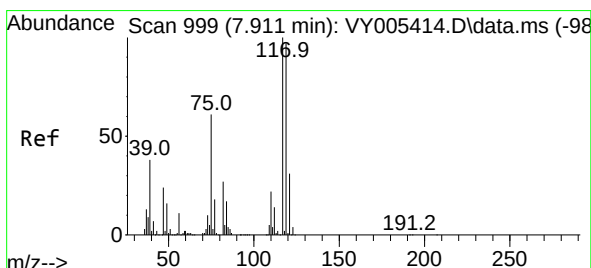
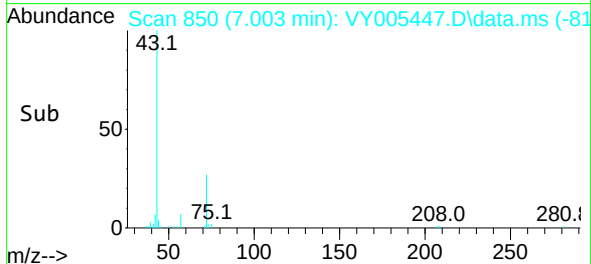
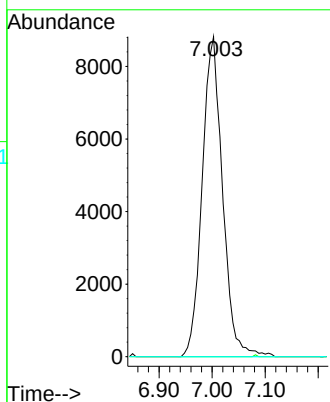
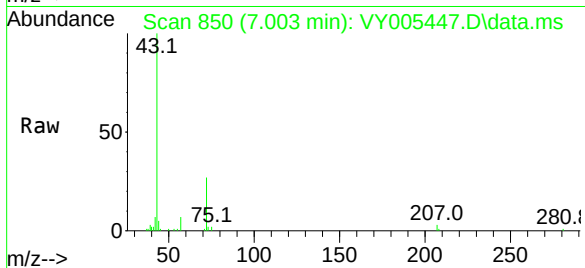
Delta R.T. -0.085 min

Lab File: VY005447.D

Acq: 26 Jul 2021 16:12

Tgt Ion:	43	Resp:	23564
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.3	15.5#
70	0.0	7.9	11.9#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.187 ug/l

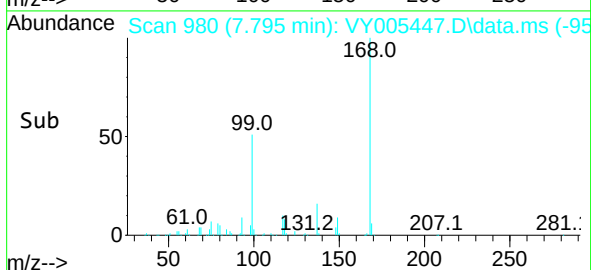
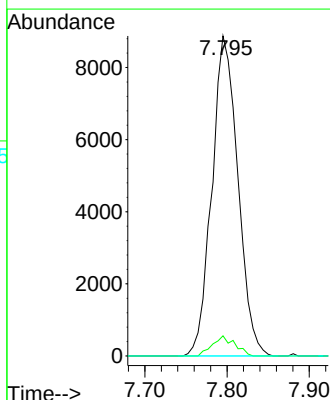
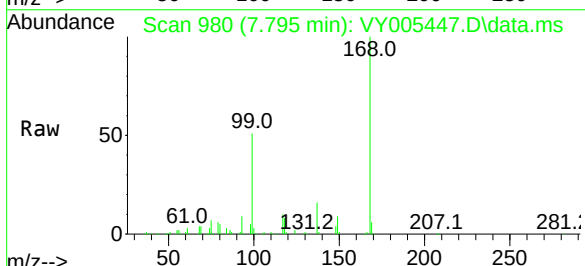
RT: 7.795 min Scan# 980

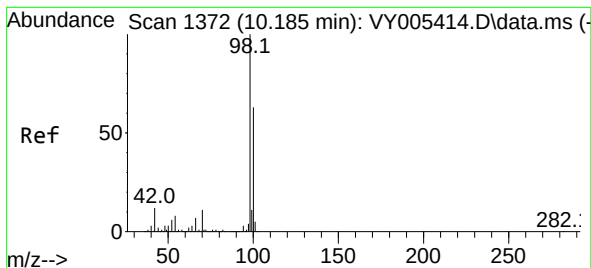
Delta R.T. -0.116 min

Lab File: VY005447.D

Acq: 26 Jul 2021 16:12

Tgt Ion:	117	Resp:	19528
Ion	Ratio	Lower	Upper
117	100		
119	6.3	77.2	115.8#
121	0.0	25.1	37.7#

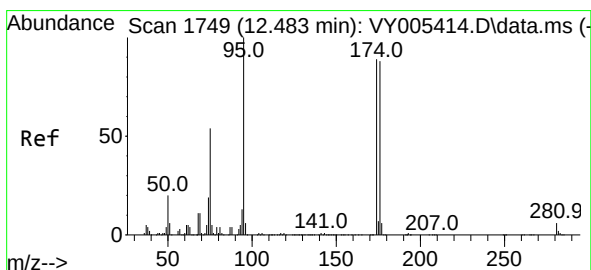
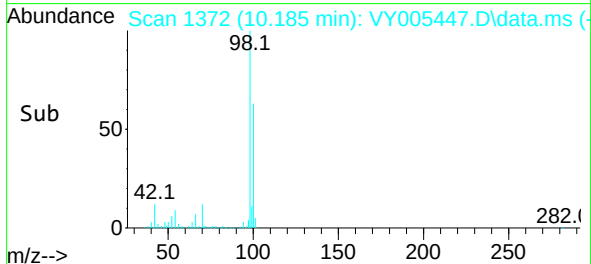
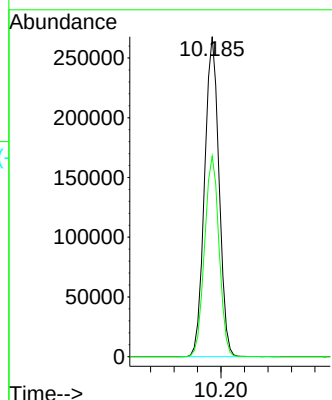
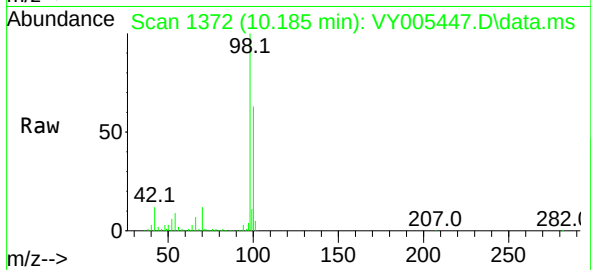




#50
Toluene-d8
Concen: 52.445 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005447.D
Acq: 26 Jul 2021 16:12

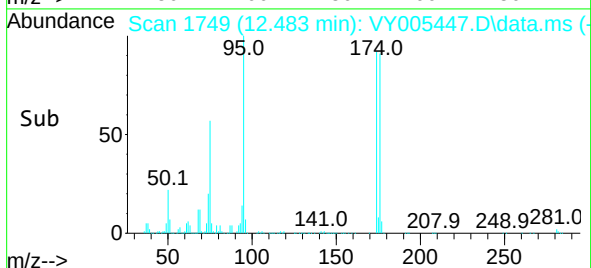
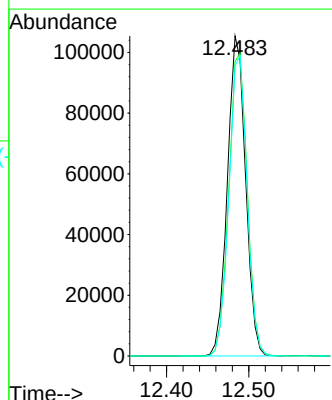
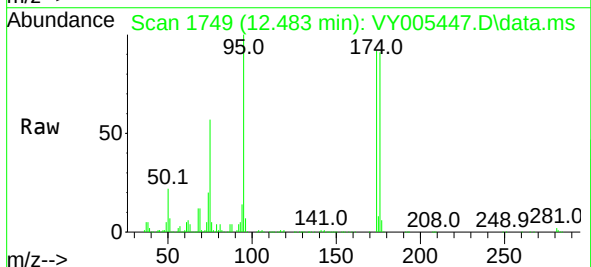
Instrument :
MSVOA_Y
ClientSampled :

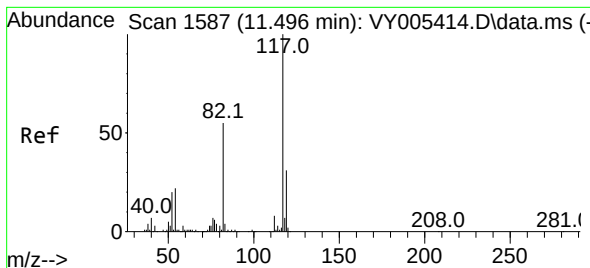
Tgt Ion: 98 Resp: 457298
Ion Ratio Lower Upper
98 100
100 62.8 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 56.354 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005447.D
Acq: 26 Jul 2021 16:12

Tgt Ion: 95 Resp: 162177
Ion Ratio Lower Upper
95 100
174 96.3 0.0 186.6
176 93.6 0.0 182.4

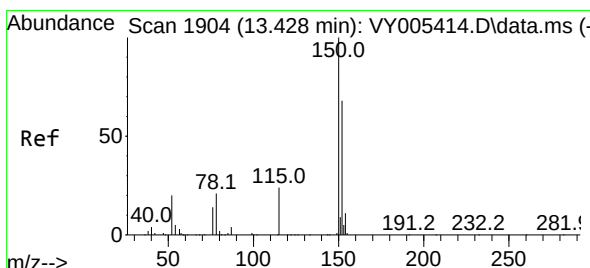
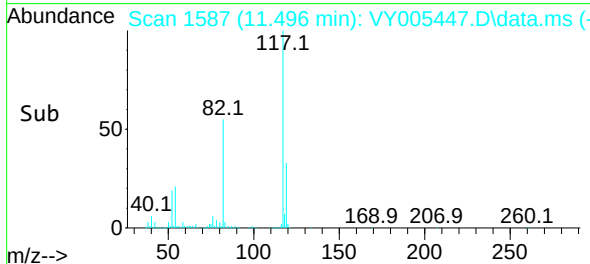
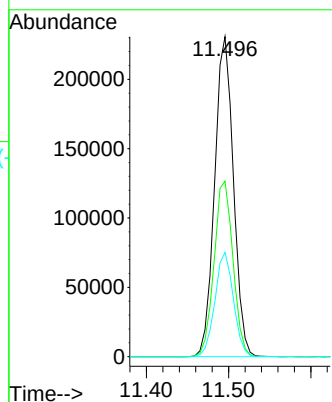
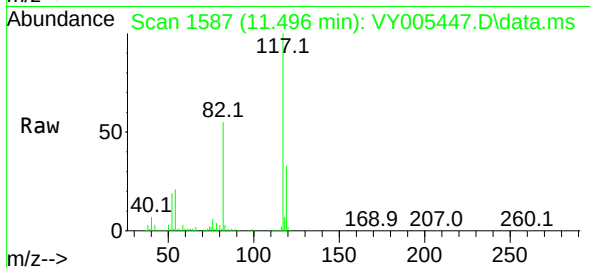




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005447.D
Acq: 26 Jul 2021 16:12

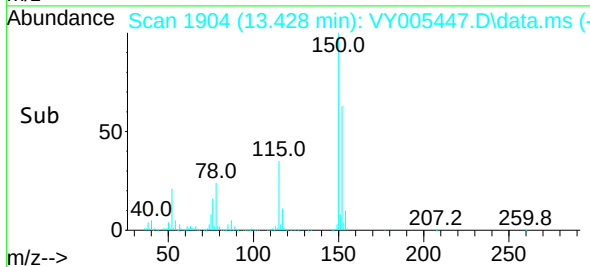
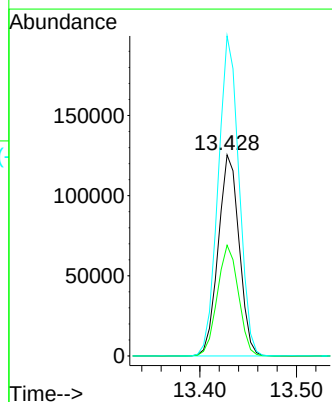
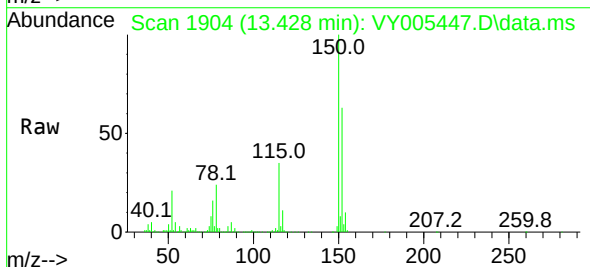
Instrument :
MSVOA_Y
ClientSampleId :

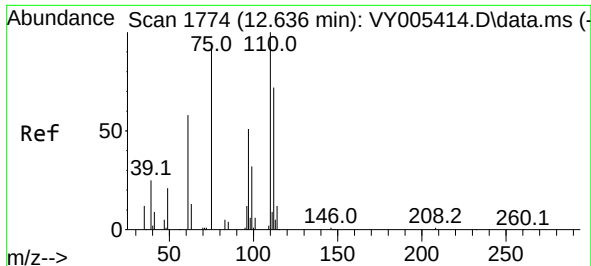
Tgt Ion:117 Resp: 366346
Ion Ratio Lower Upper
117 100
82 54.9 43.8 65.6
119 32.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005447.D
Acq: 26 Jul 2021 16:12

Tgt Ion:152 Resp: 188281
Ion Ratio Lower Upper
152 100
115 55.5 27.7 83.1
150 158.3 0.0 349.6

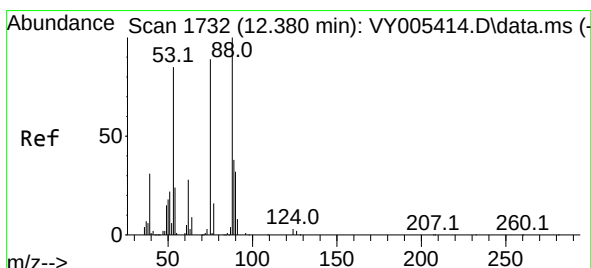
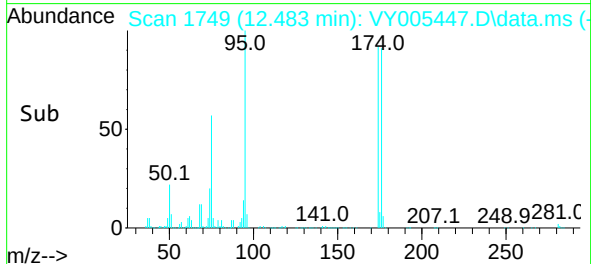
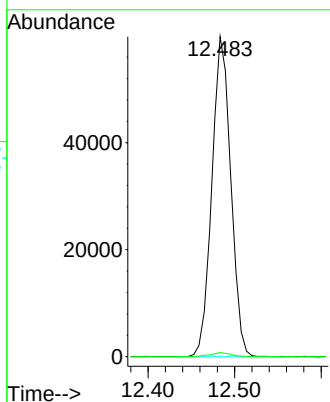
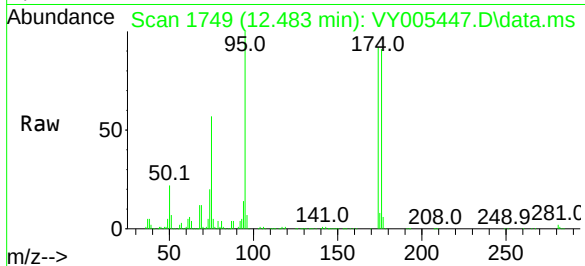




#76
1,2,3-Trichloropropane
Concen: 48.925 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005447.D
Acq: 26 Jul 2021 16:12

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 90641
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.999 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005447.D
Acq: 26 Jul 2021 16:12

Tgt Ion: 75 Resp: 90641
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 36.9 55.3#

