

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081221\
 Data File : VY005614.D
 Acq On : 12 Aug 2021 12:00
 Operator : SY/MD
 Sample : M3345-02
 Misc : 529G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 13 04:20:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

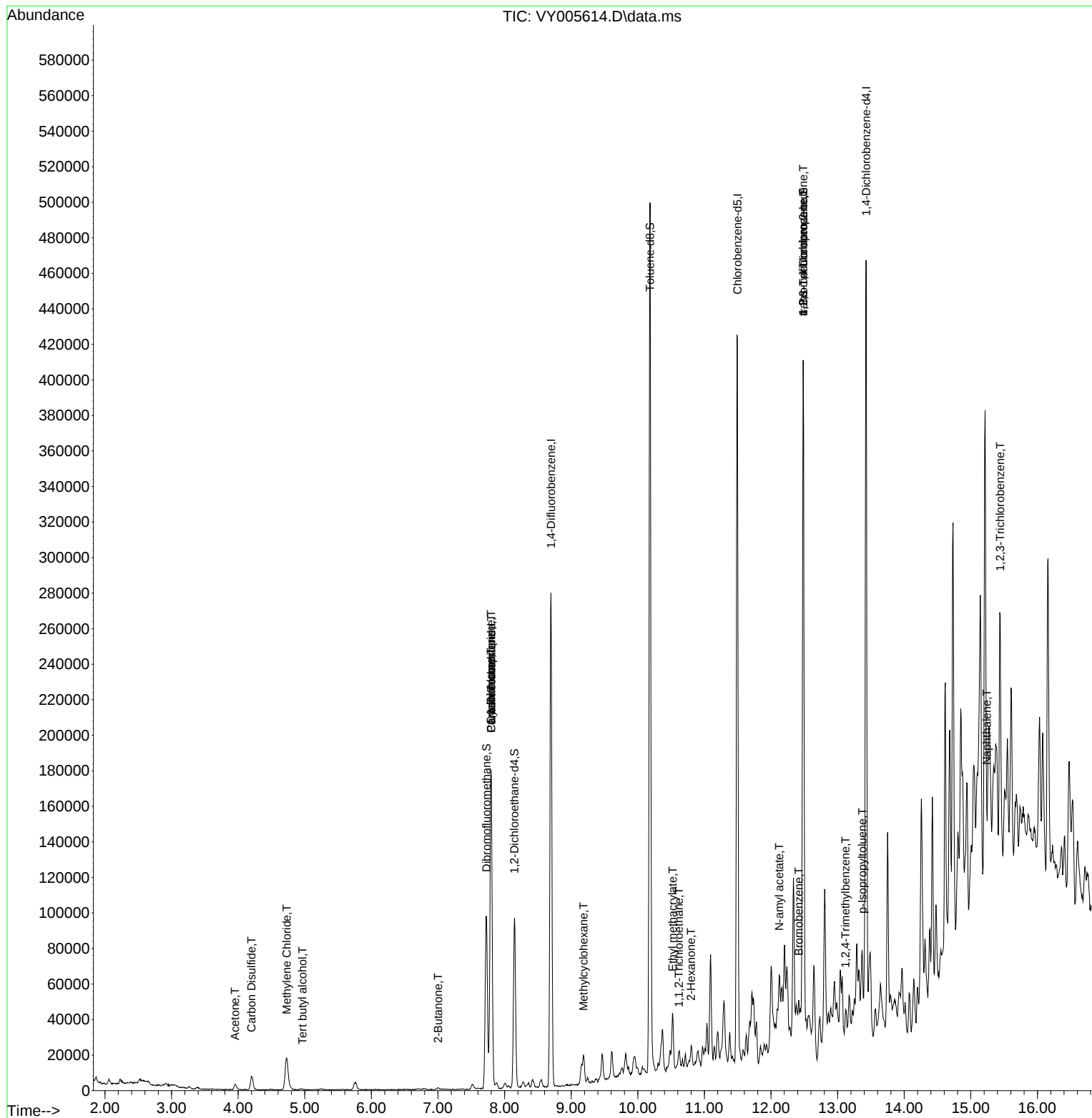
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	147325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	235546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	223792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	77739	52.128	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.260%	
35) Dibromofluoromethane	7.728	113	67129	50.903	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.800%	
50) Toluene-d8	10.185	98	302097	54.621	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.240%	
62) 4-Bromofluorobenzene	12.483	95	99361	54.250	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.500%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	380	2.578	ug/l #	73
16) Acetone	3.954	43	5037	13.397	ug/l	92
17) Carbon Disulfide	4.198	76	15312	3.912	ug/l #	93
20) Methylene Chloride	4.728	84	13725	3.579	ug/l #	89
25) 2-Butanone	7.002	43	1054	1.896	ug/l #	84
31) Cyclohexane	7.795	56	3692	1.443	ug/l #	35
36) 1,1-Dichloropropene	7.795	75	10009	4.530	ug/l #	50
38) Carbon Tetrachloride	7.801	117	13013	5.420	ug/l #	16
39) Methylcyclohexane	9.185	83	6762	2.406	ug/l	86
55) 1,1,2-Trichloroethane	10.618	97	4047	3.196	ug/l #	22
56) Ethyl methacrylate	10.526	69	3024	1.595	ug/l #	1
59) 2-Hexanone	10.800	43	5051	5.355	ug/l #	30
74) N-amyl acetate	12.123	43	4894	2.128	ug/l #	44
76) 1,2,3-Trichloropropane	12.483	75	55029	48.528	ug/l #	100
77) Bromobenzene	12.416	156	10564	5.629	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	55029	97.826	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	9010	1.440	ug/l	96
86) p-Isopropyltoluene	13.373	119	16940	2.405	ug/l	93
95) Naphthalene	15.239	128	14911	3.405	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.440	180	2316	1.177	ug/l #	71

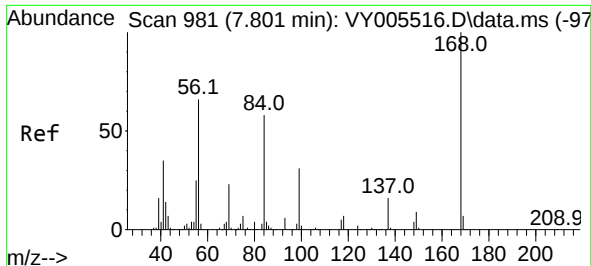
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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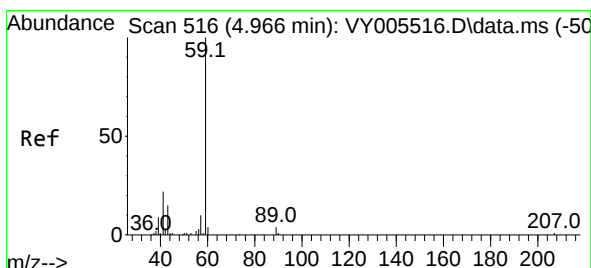
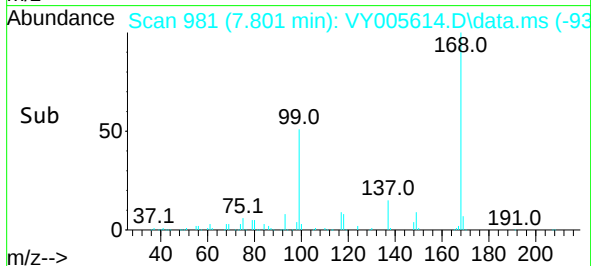
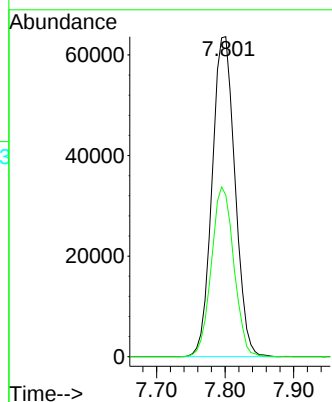
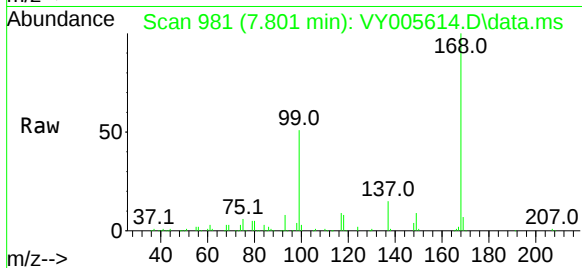




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

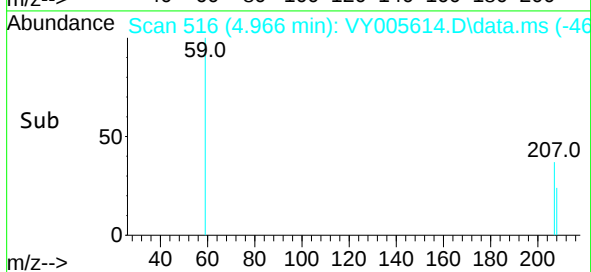
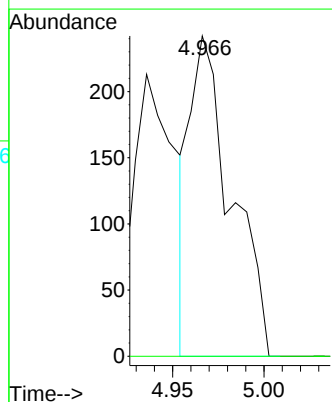
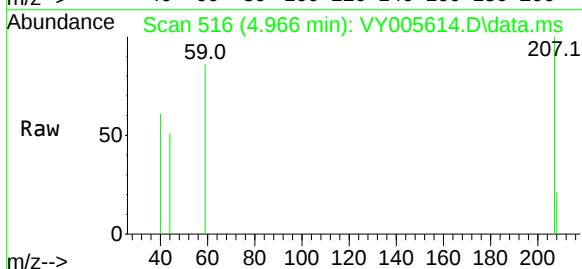
Instrument :
MSVOA_Y
ClientSampled :

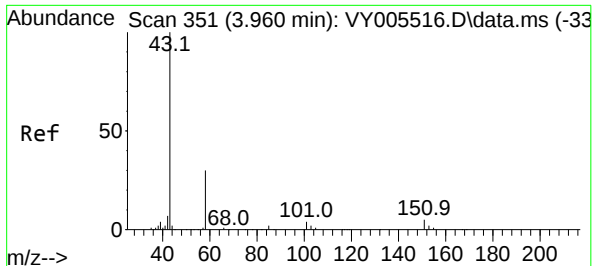
Tgt Ion:168 Resp: 147325
Ion Ratio Lower Upper
168 100
99 50.5 38.9 58.3



#11
Tert butyl alcohol
Concen: 2.578 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.000 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

Tgt Ion: 59 Resp: 380
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

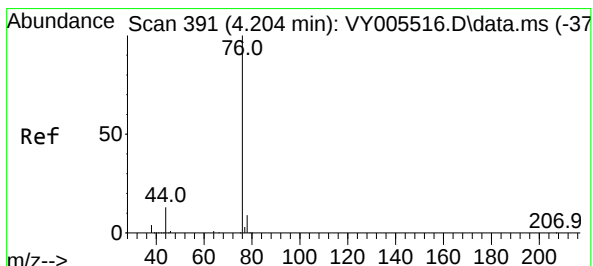
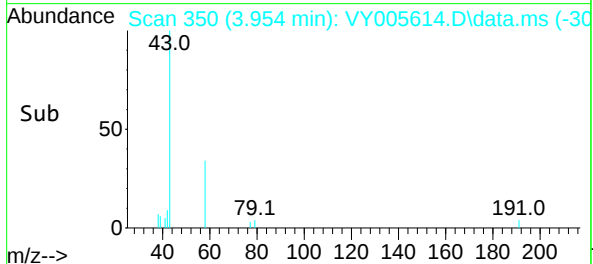
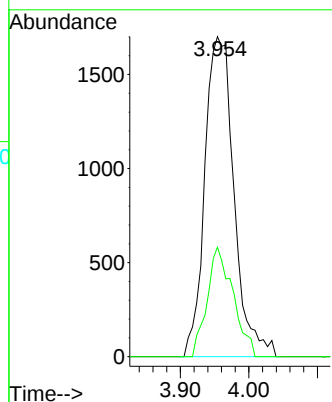
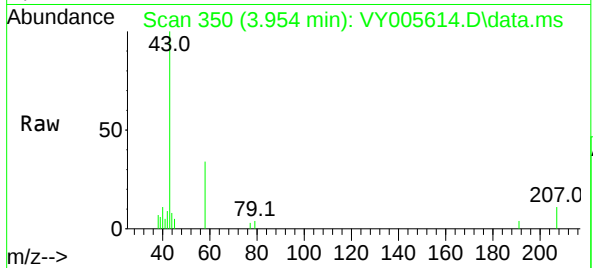




#16
Acetone
Concen: 13.397 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

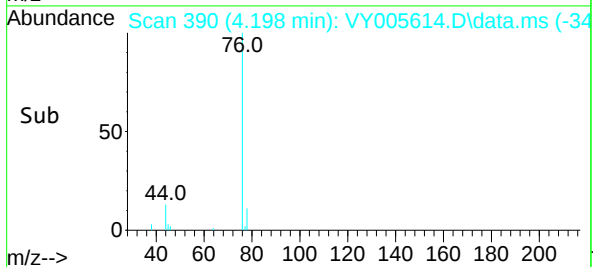
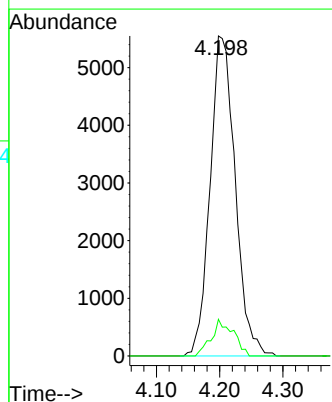
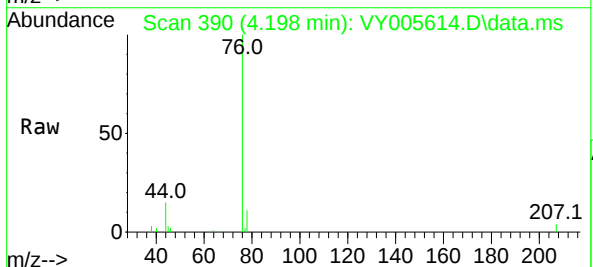
Instrument :
MSVOA_Y
ClientSampleId :

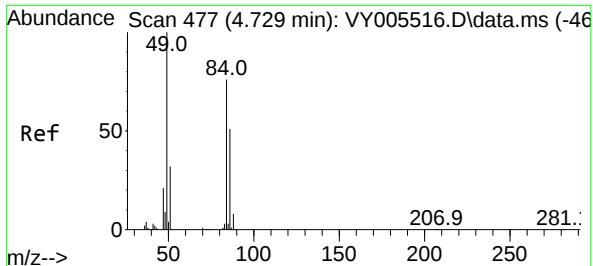
Tgt Ion: 43 Resp: 5037
Ion Ratio Lower Upper
43 100
58 34.2 23.8 35.6



#17
Carbon Disulfide
Concen: 3.912 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

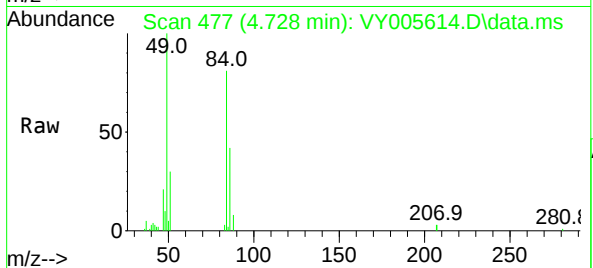
Tgt Ion: 76 Resp: 15312
Ion Ratio Lower Upper
76 100
78 11.5 7.0 10.6#





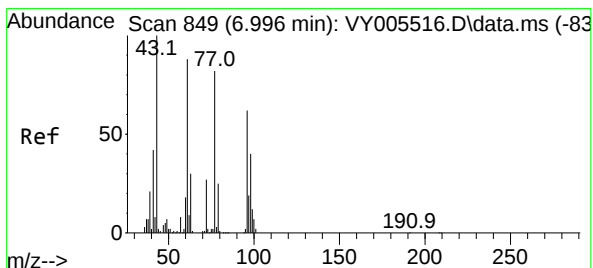
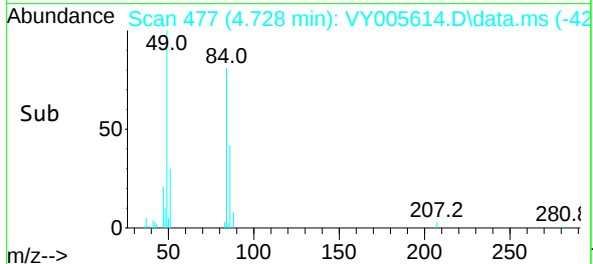
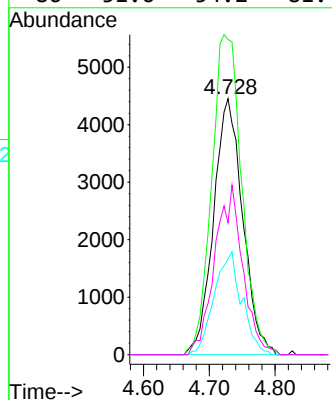
#20
Methylene Chloride
Concen: 3.579 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 13725

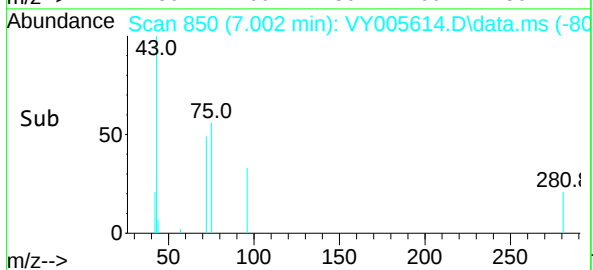
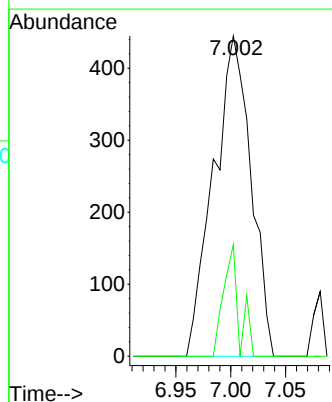
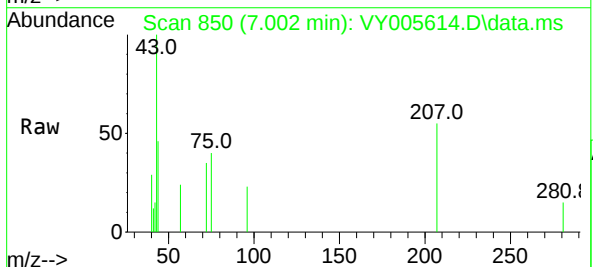
Ion	Ratio	Lower	Upper
84	100		
49	123.1	105.8	158.6
51	37.2	33.4	50.2
86	51.6	54.2	81.4

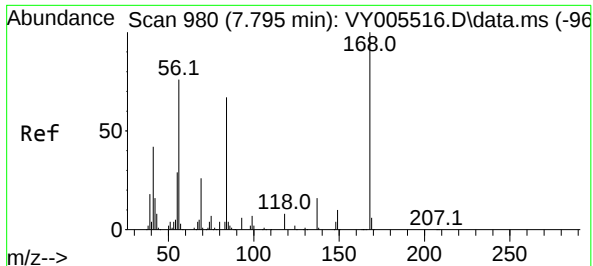


#25
2-Butanone
Concen: 1.896 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

Tgt Ion: 43 Resp: 1054

Ion	Ratio	Lower	Upper
43	100		
72	34.8	21.4	32.2

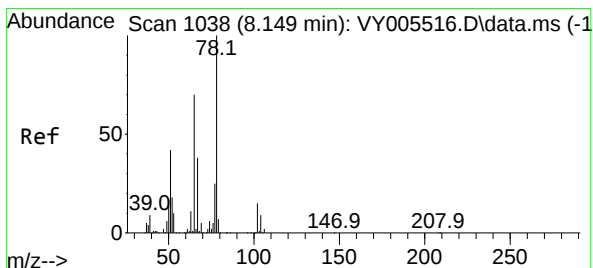
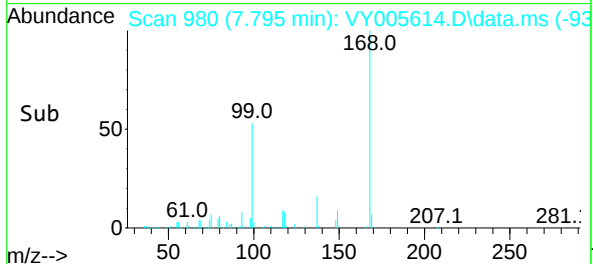
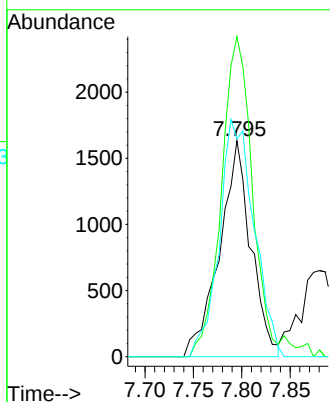
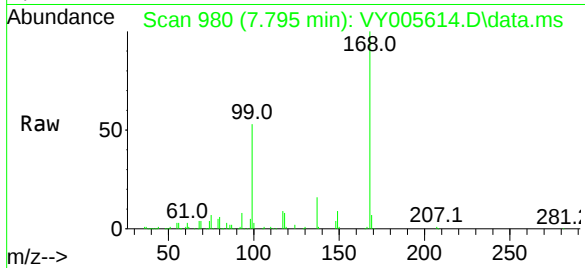




#31
Cyclohexane
Concen: 1.443 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

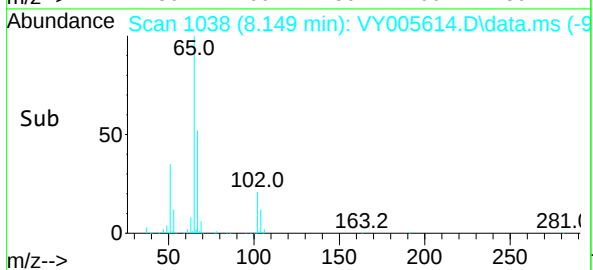
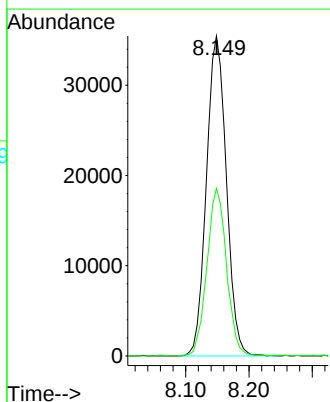
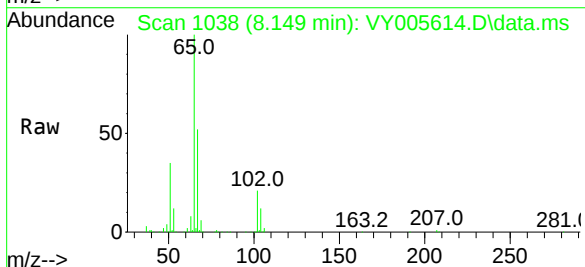
Instrument :
MSVOA_Y
ClientSampleId :

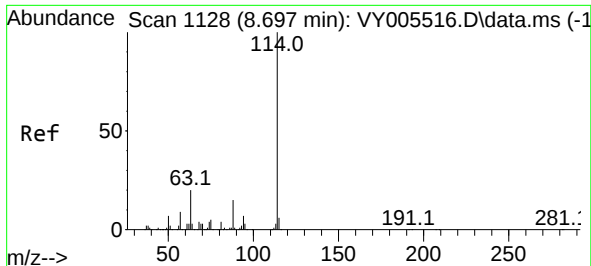
Tgt Ion: 56 Resp: 3692
Ion Ratio Lower Upper
56 100
69 148.2 27.7 41.5#
84 100.9 70.9 106.3



#33
1,2-Dichloroethane-d4
Concen: 52.128 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

Tgt Ion: 65 Resp: 77739
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4

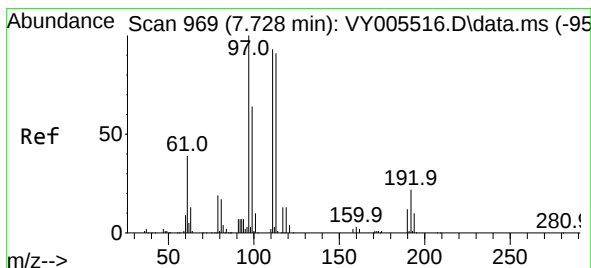
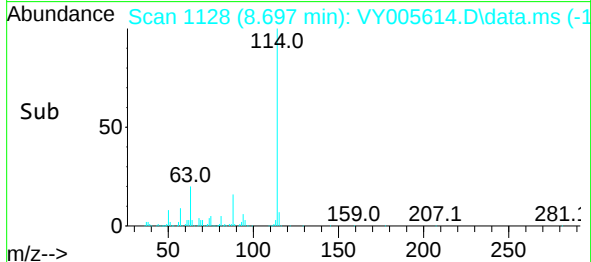
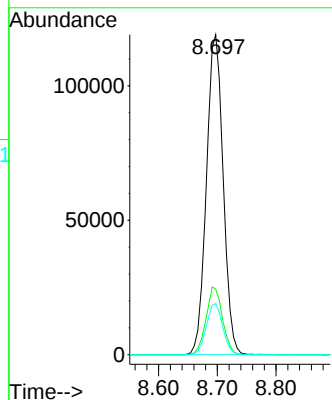
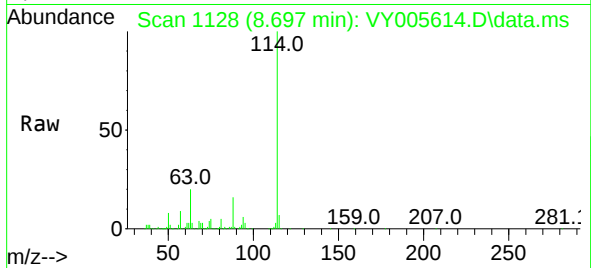




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

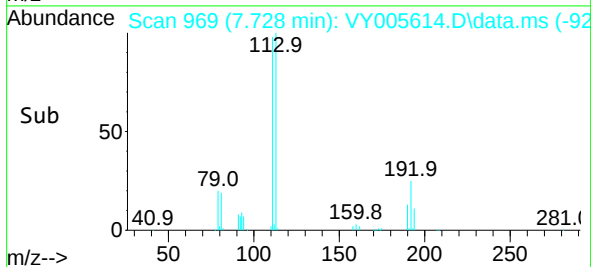
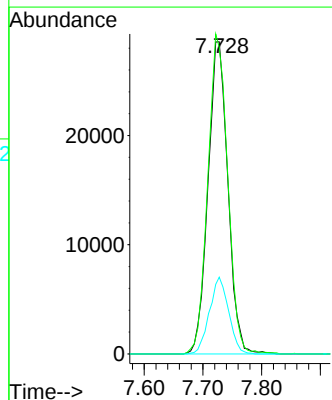
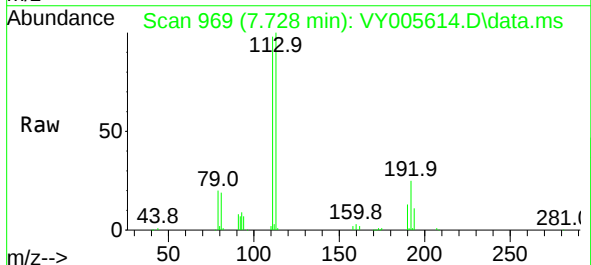
Instrument :
MSVOA_Y
ClientSampleId :

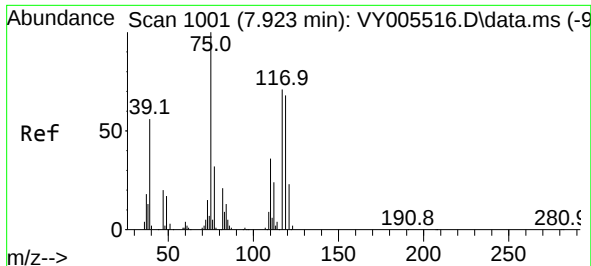
Tgt Ion:114 Resp: 235546
Ion Ratio Lower Upper
114 100
63 20.5 0.0 39.2
88 16.0 0.0 30.8



#35
Dibromofluoromethane
Concen: 50.903 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

Tgt Ion:113 Resp: 67129
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 23.8 19.2 28.8





#36

1,1-Dichloropropene

Concen: 4.530 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY005614.D

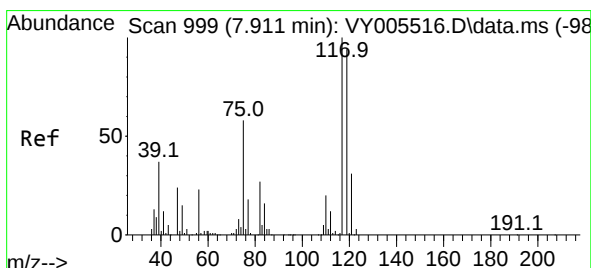
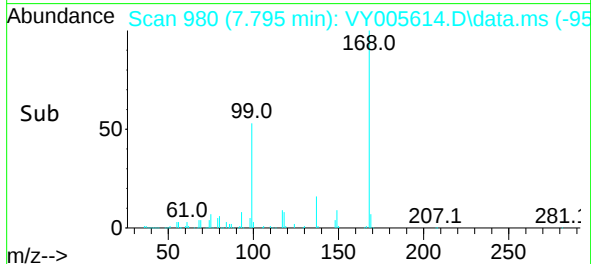
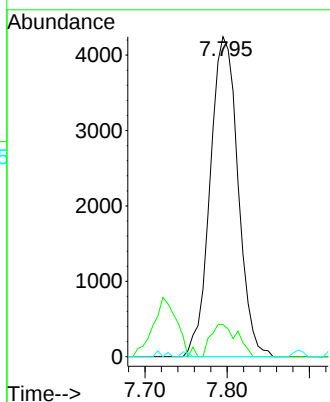
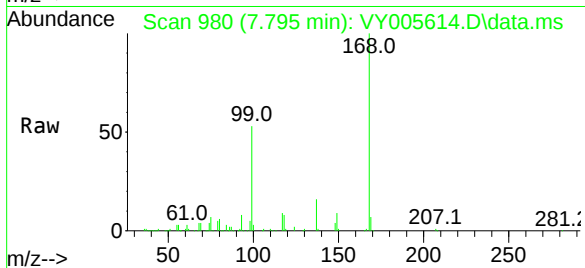
Acq: 12 Aug 2021 12:00

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	10009
Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.1#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 5.420 ug/l

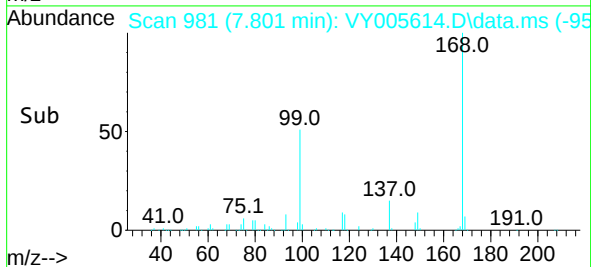
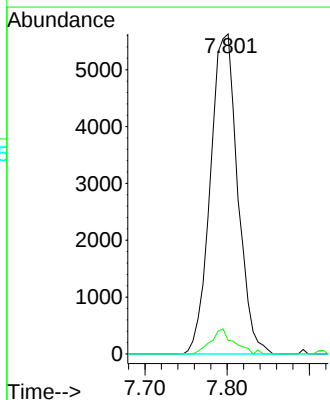
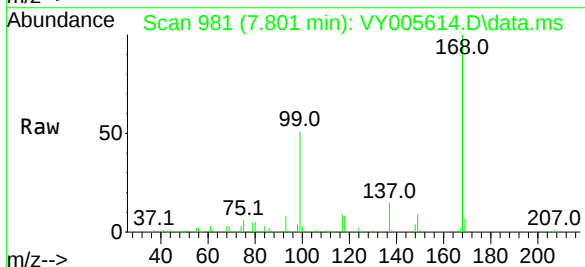
RT: 7.801 min Scan# 981

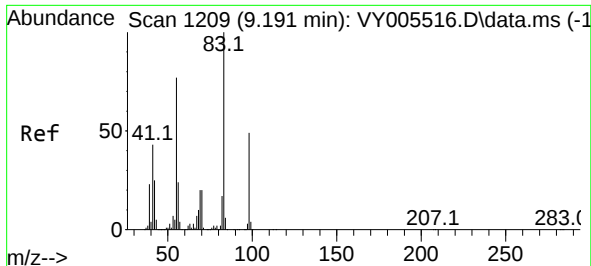
Delta R.T. -0.110 min

Lab File: VY005614.D

Acq: 12 Aug 2021 12:00

Tgt Ion:	117	Resp:	13013
Ion	Ratio	Lower	Upper
117	100		
119	4.3	75.4	113.0#
121	0.0	25.1	37.7#

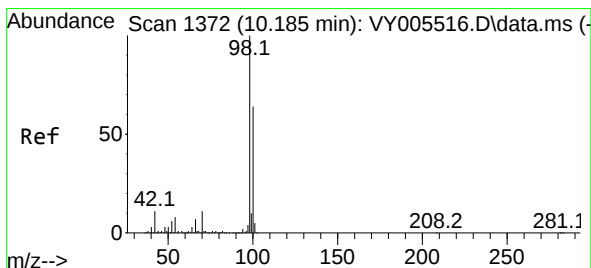
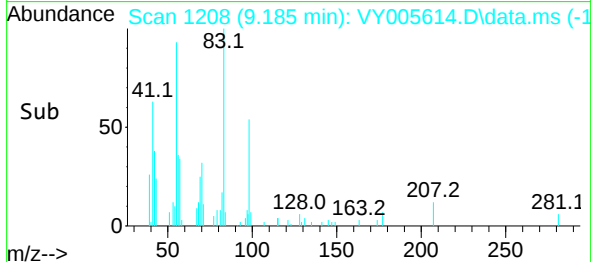
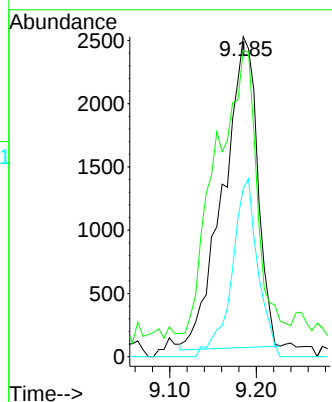
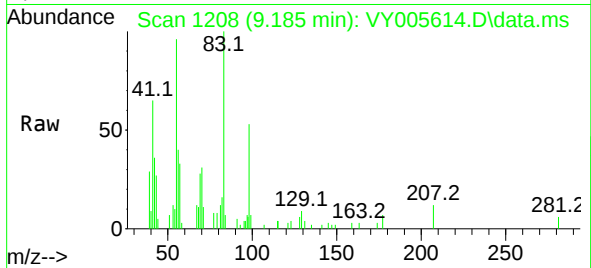




#39
Methylcyclohexane
Concen: 2.406 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

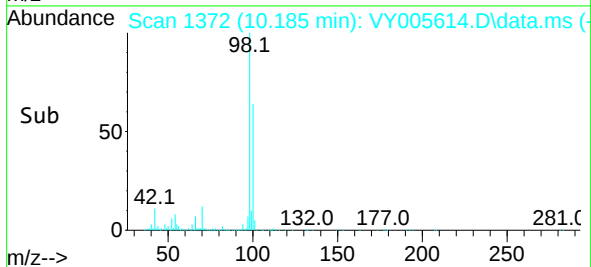
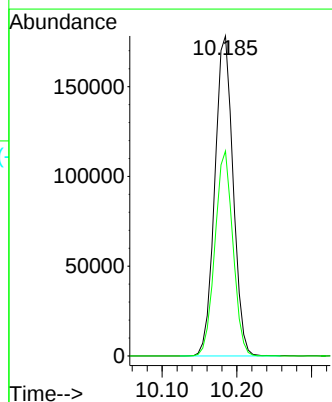
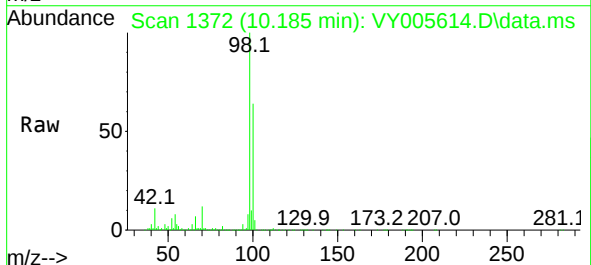
Instrument :
MSVOA_Y
ClientSampled :

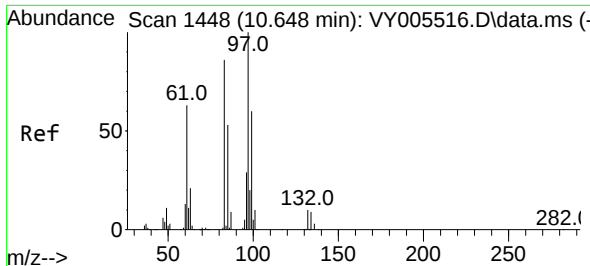
Tgt Ion: 83 Resp: 6762
Ion Ratio Lower Upper
83 100
55 91.6 61.7 92.5
98 54.4 38.9 58.3



#50
Toluene-d8
Concen: 54.621 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

Tgt Ion: 98 Resp: 302097
Ion Ratio Lower Upper
98 100
100 63.0 51.3 76.9

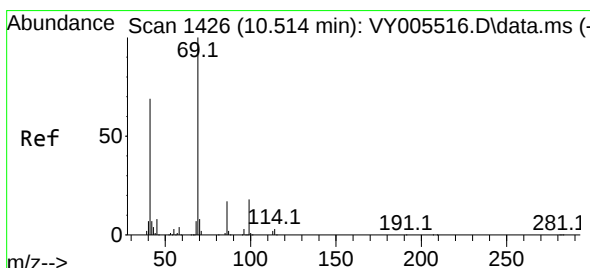
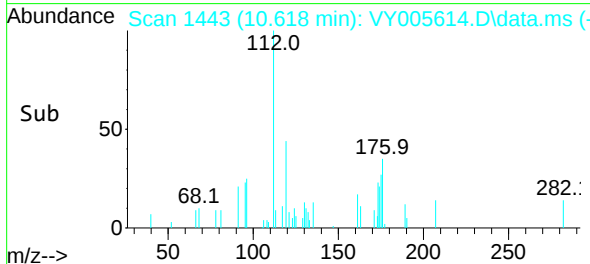
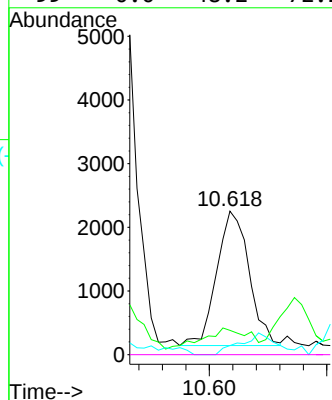
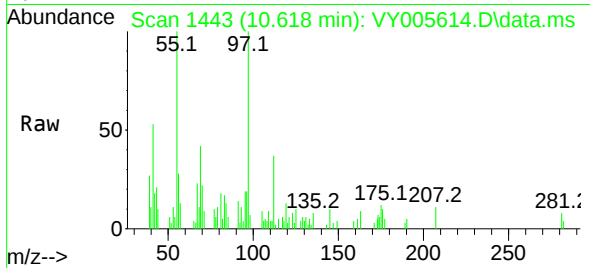




#55
1,1,2-Trichloroethane
Concen: 3.196 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.031 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

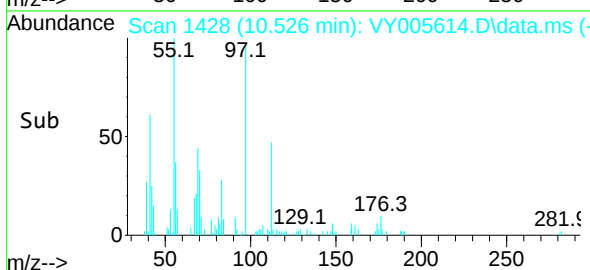
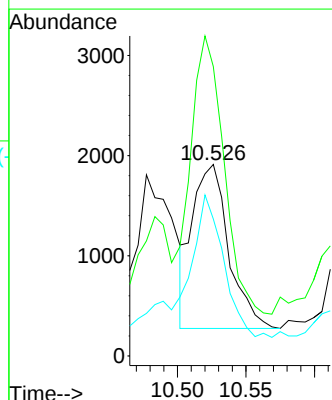
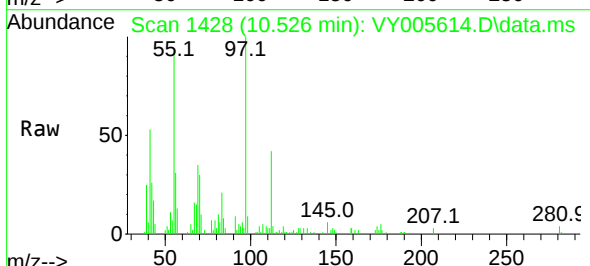
Instrument :
MSVOA_Y
ClientSampleId :

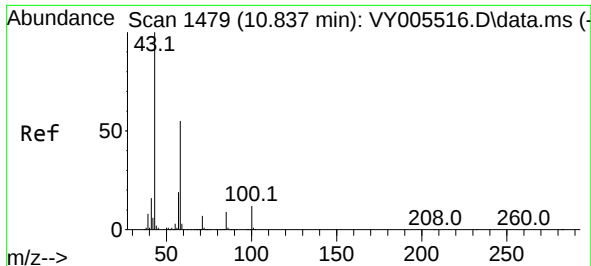
Tgt Ion:	97	Resp:	4047
Ion	Ratio	Lower	Upper
97	100		
83	11.4	68.7	103.1#
85	1.5	42.4	63.6#
99	0.0	48.2	72.2#



#56
Ethyl methacrylate
Concen: 1.595 ug/l
RT: 10.526 min Scan# 1428
Delta R.T. 0.012 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

Tgt Ion:	69	Resp:	3024
Ion	Ratio	Lower	Upper
69	100		
41	156.8	53.9	80.9#
39	128.6	27.0	40.4#

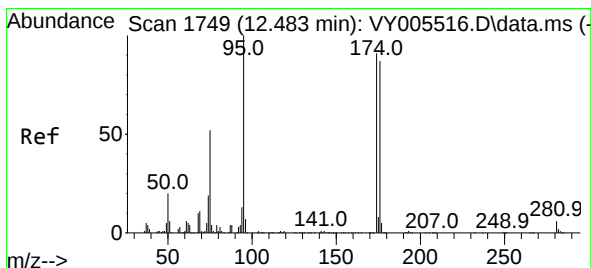
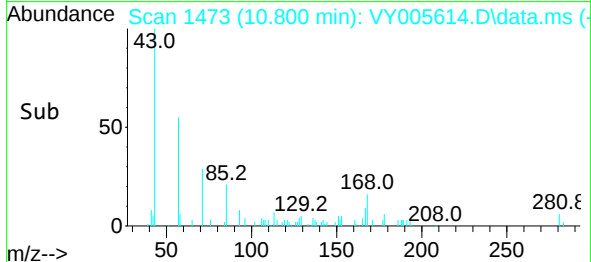
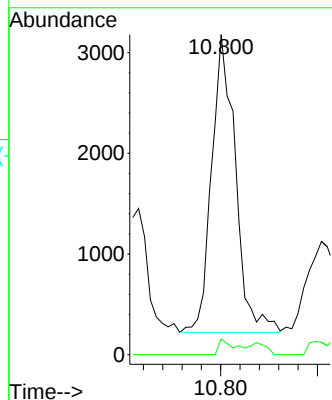
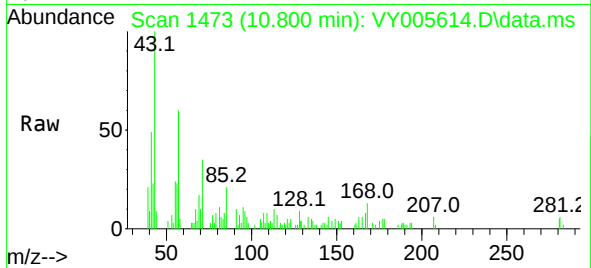




#59
2-Hexanone
Concen: 5.355 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

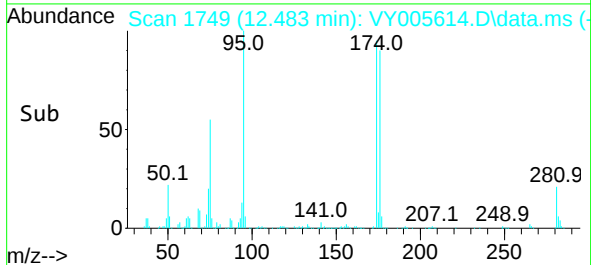
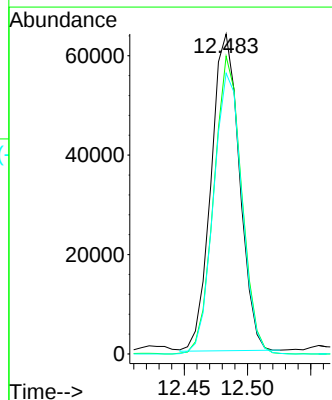
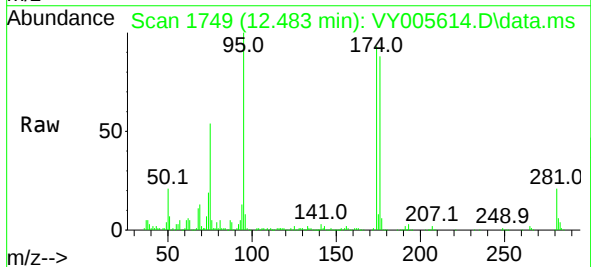
Instrument :
MSVOA_Y
ClientSampleId :

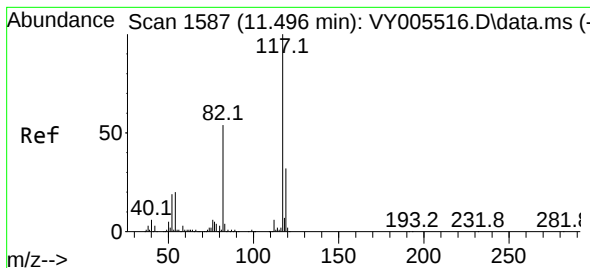
Tgt Ion: 43 Resp: 5051
Ion Ratio Lower Upper
43 100
58 3.6 27.1 81.2#



#62
4-Bromofluorobenzene
Concen: 54.250 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

Tgt Ion: 95 Resp: 99361
Ion Ratio Lower Upper
95 100
174 91.9 0.0 191.4
176 88.8 0.0 183.6

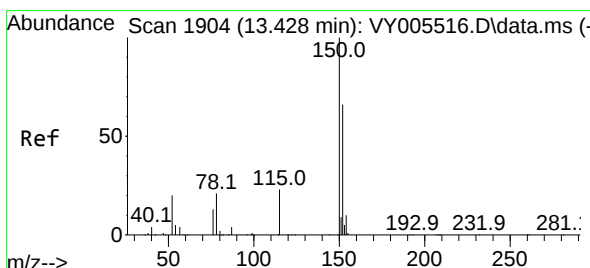
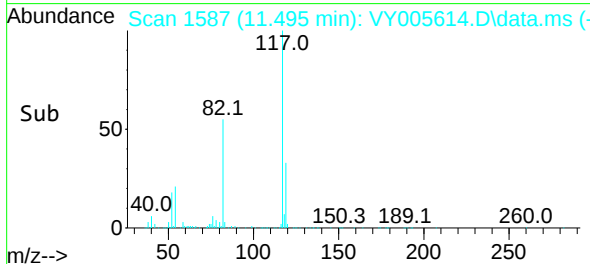
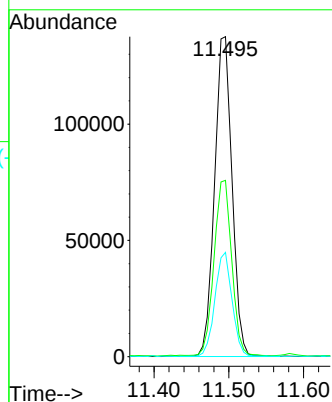
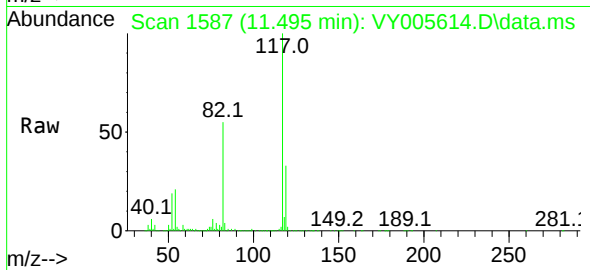




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

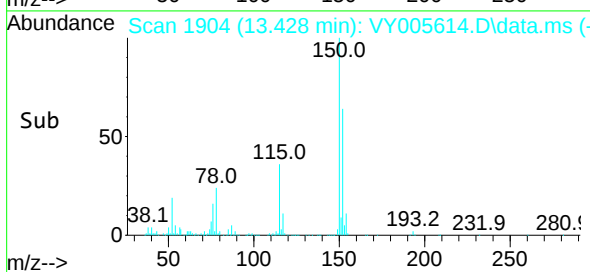
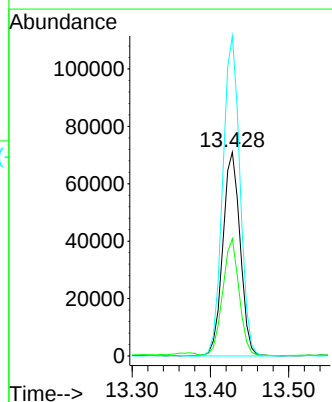
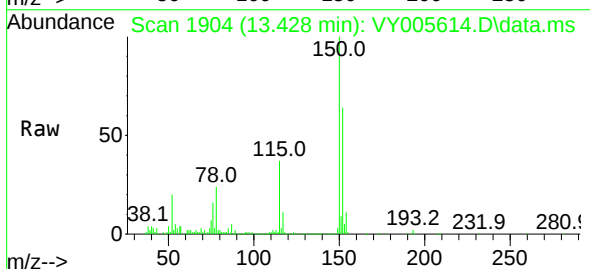
Instrument :
MSVOA_Y
ClientSampleId :

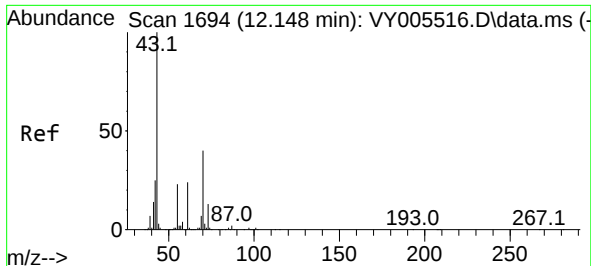
Tgt Ion:117 Resp: 223792
Ion Ratio Lower Upper
117 100
82 54.7 43.5 65.3
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

Tgt Ion:152 Resp: 109426
Ion Ratio Lower Upper
152 100
115 54.3 27.3 81.9
150 155.0 0.0 350.2

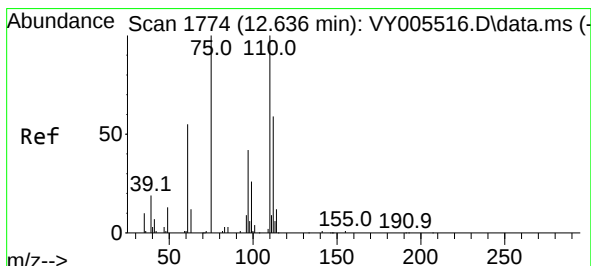
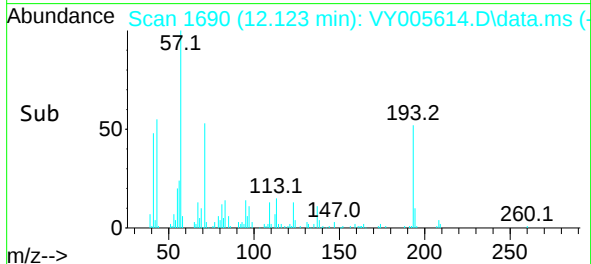
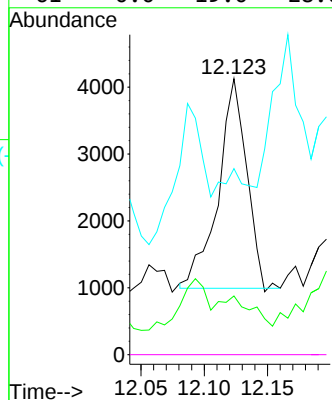
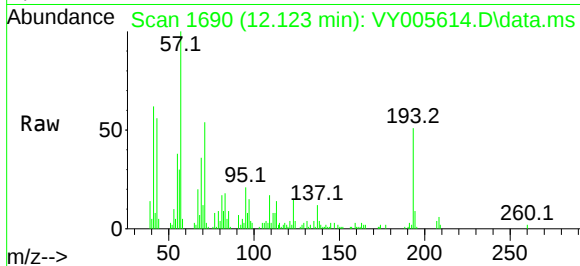




#74
N-amy1 acetate
Concen: 2.128 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.025 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

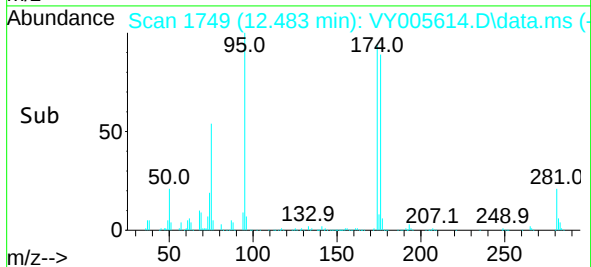
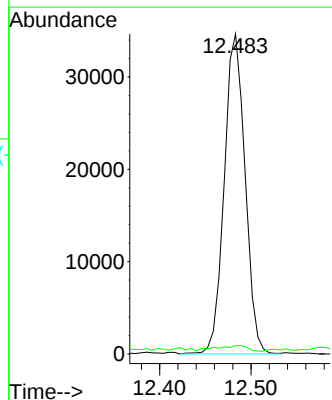
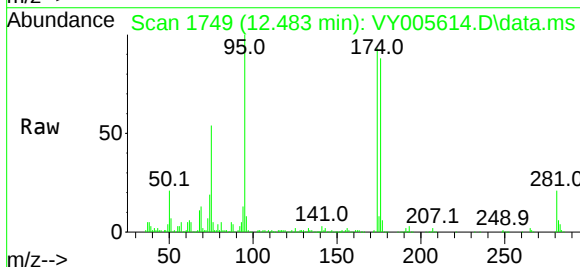
Instrument :
MSVOA_Y
ClientSampleId :

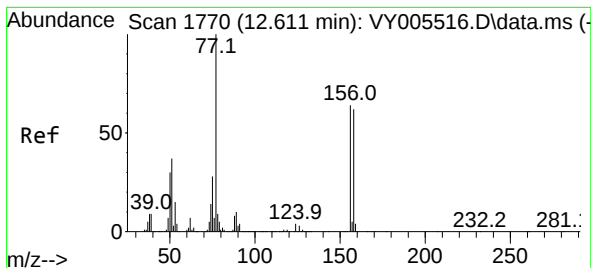
Tgt Ion: 43	Resp: 4894
Ion Ratio	Lower Upper
43 100	
70 0.0	32.9 49.3#
55 0.0	18.9 28.3#
61 0.0	19.0 28.6#



#76
1,2,3-Trichloropropane
Concen: 48.528 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

Tgt Ion: 75	Resp: 55029
Ion Ratio	Lower Upper
75 100	
77 2.7	0.0 0.0#





#77

Bromobenzene

Concen: 5.629 ug/l

RT: 12.416 min Scan# 1738

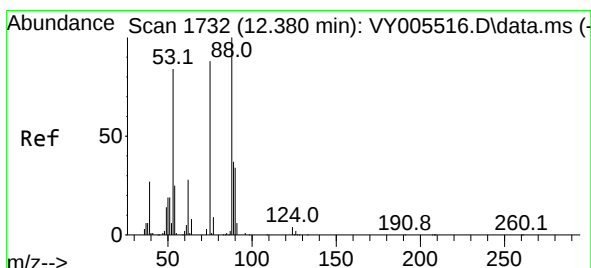
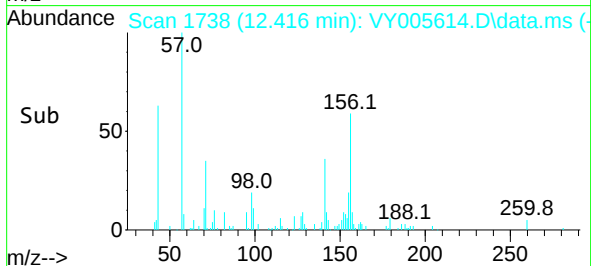
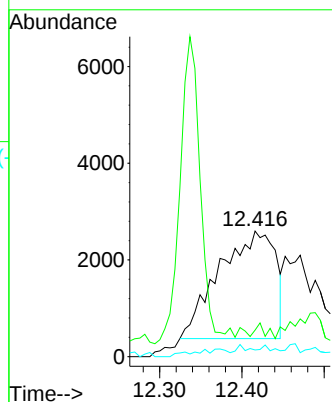
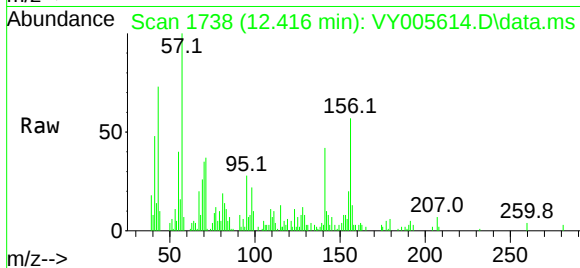
Delta R.T. -0.195 min

Lab File: VY005614.D

Acq: 12 Aug 2021 12:00

Tgt Ion:	156	Resp:	10564
Ion Ratio	Lower	Upper	
156	100		
77	2.6	85.5	256.5#
158	2.1	48.5	145.6#

Instrument :
MSVOA_Y
ClientSampleId :



#81

trans-1,4-Dichloro-2-butene

Concen: 97.826 ug/l

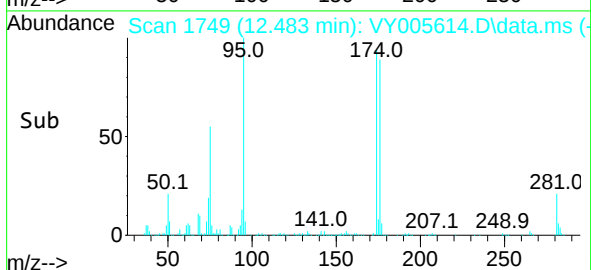
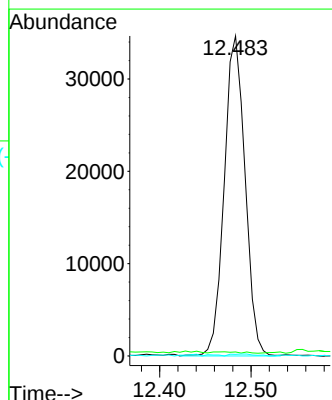
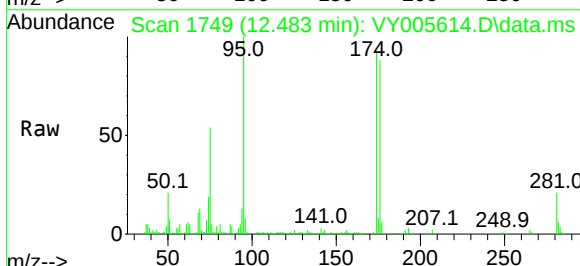
RT: 12.483 min Scan# 1749

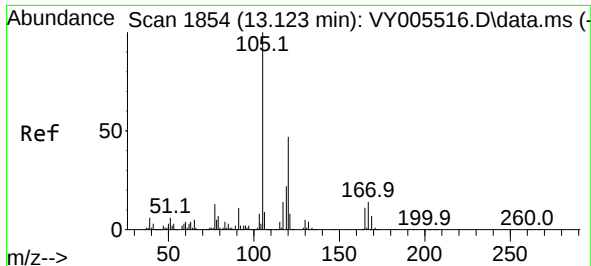
Delta R.T. 0.103 min

Lab File: VY005614.D

Acq: 12 Aug 2021 12:00

Tgt Ion:	75	Resp:	55029
Ion Ratio	Lower	Upper	
75	100		
53	0.4	76.7	115.1#
89	0.0	38.4	57.6#

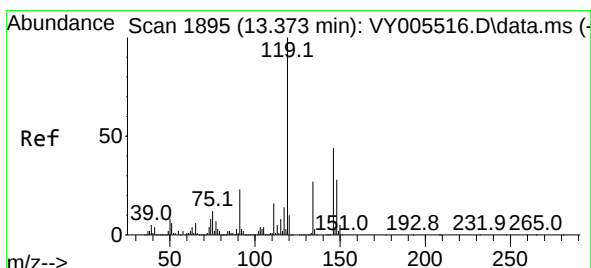
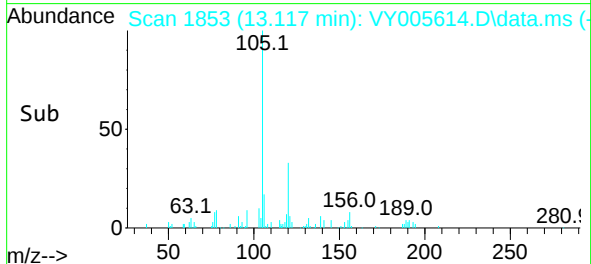
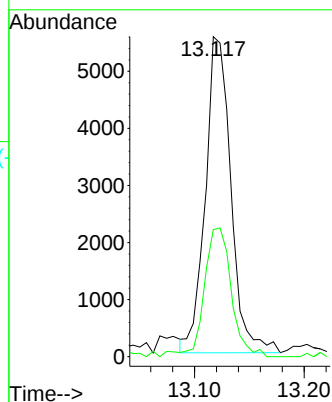
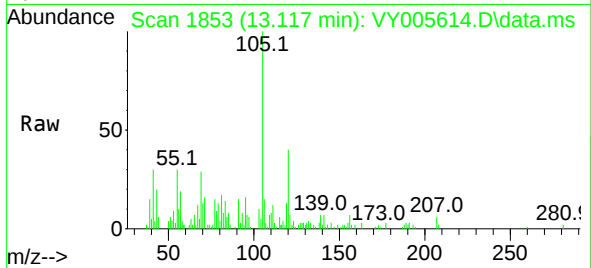




#84
1,2,4-Trimethylbenzene
Concen: 1.440 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

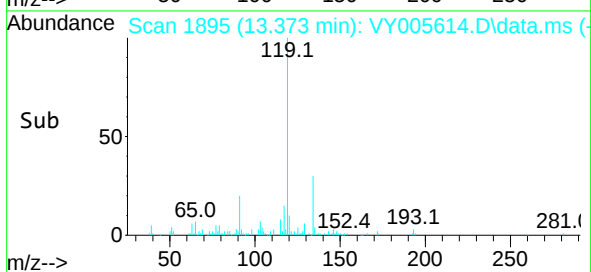
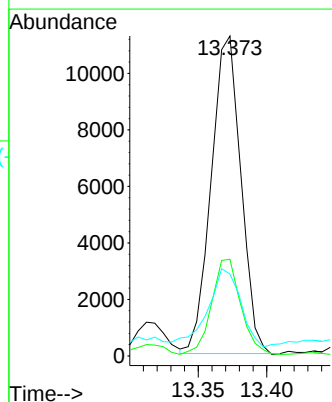
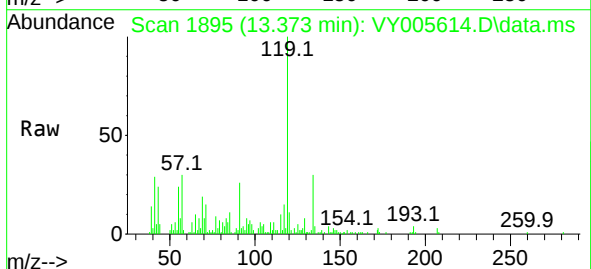
Instrument :
MSVOA_Y
ClientSampled :

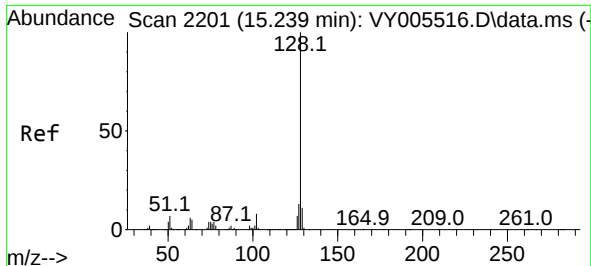
Tgt Ion:105 Resp: 9010
Ion Ratio Lower Upper
105 100
120 43.4 22.9 68.5



#86
p-Isopropyltoluene
Concen: 2.405 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. -0.000 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

Tgt Ion:119 Resp: 16940
Ion Ratio Lower Upper
119 100
134 30.7 13.6 40.7
91 26.8 11.6 34.7

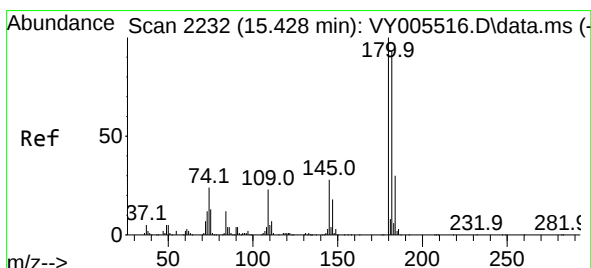
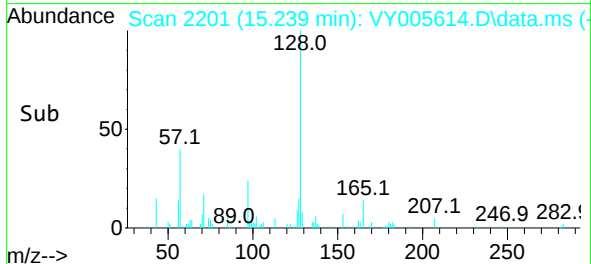
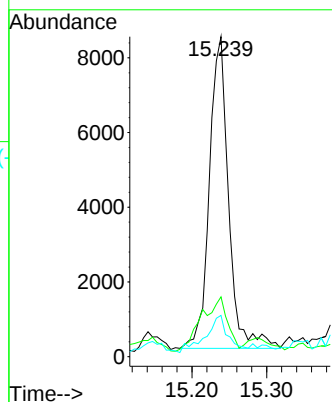
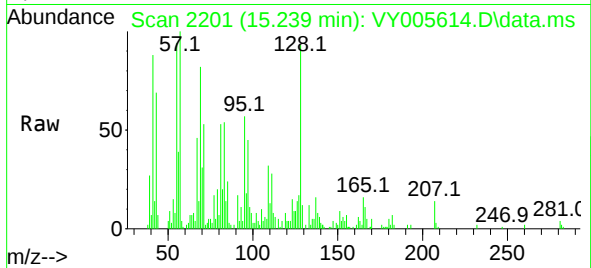




#95
Naphthalene
Concen: 3.405 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 14911
Ion Ratio Lower Upper
128 100
127 23.7 10.6 15.8#
129 14.3 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.177 ug/l
RT: 15.440 min Scan# 2234
Delta R.T. 0.012 min
Lab File: VY005614.D
Acq: 12 Aug 2021 12:00

Tgt Ion:180 Resp: 2316
Ion Ratio Lower Upper
180 100
182 75.2 47.9 143.6
145 0.0 14.6 44.0#

