

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081221\
 Data File : VY005616.D
 Acq On : 12 Aug 2021 12:46
 Operator : SY/MD
 Sample : M3318-04RE
 Misc : 5.03G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20210595-AMENDED-COM-9

Quant Time: Aug 13 04:21:10 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)

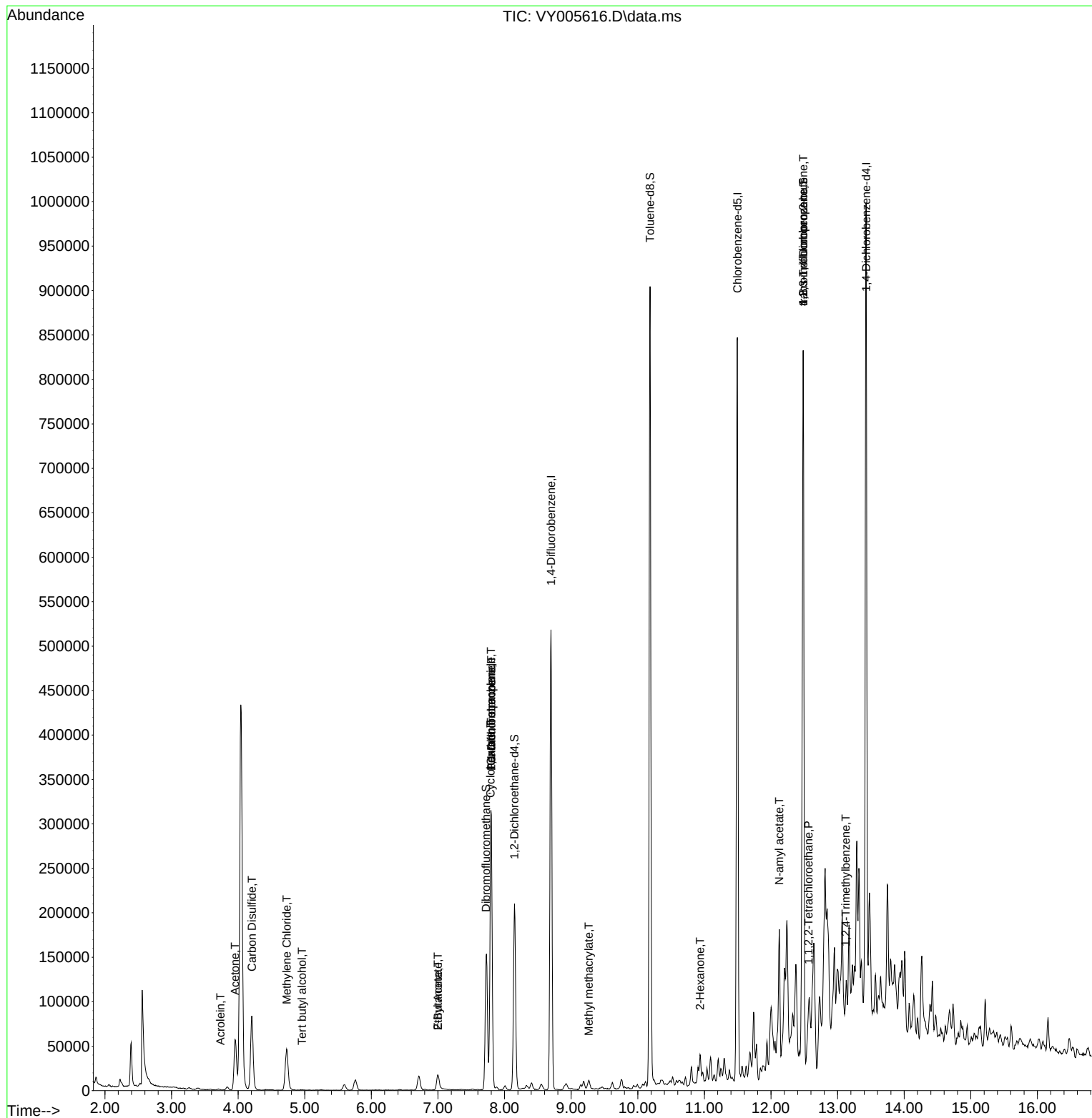
Internal Standards						
1) Pentafluorobenzene	7.801	168	258347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	442038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	458189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	238183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	164868	63.044	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.080%
35) Dibromofluoromethane	7.722	113	106861	43.179	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.360%
50) Toluene-d8	10.185	98	571113	55.024	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.040%
62) 4-Bromofluorobenzene	12.483	95	216309	62.933	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	125.860%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	757	2.928	ug/l #	73
13) Acrolein	3.735	56	298	1.911	ug/l #	14
16) Acetone	3.954	43	101693	154.236	ug/l	96
17) Carbon Disulfide	4.204	76	166872	24.314	ug/l	100
20) Methylene Chloride	4.729	84	34712	8.214	ug/l	93
25) 2-Butanone	6.997	43	26589	27.281	ug/l	93
31) Cyclohexane	7.789	56	6910	1.540	ug/l #	13
36) 1,1-Dichloropropene	7.801	75	18981	4.578	ug/l #	49
37) Ethyl Acetate	6.997	43	26589	10.586	ug/l #	69
38) Carbon Tetrachloride	7.795	117	23431	5.200	ug/l #	17
48) Methyl methacrylate	9.264	41	2746	1.278	ug/l #	44
59) 2-Hexanone	10.935	43	4260	2.407	ug/l	78
74) N-amyl acetate	12.124	43	38969	7.786	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.563	83	4559	1.426	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	114738	46.485	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	114738	93.708	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	15230	1.119	ug/l	80

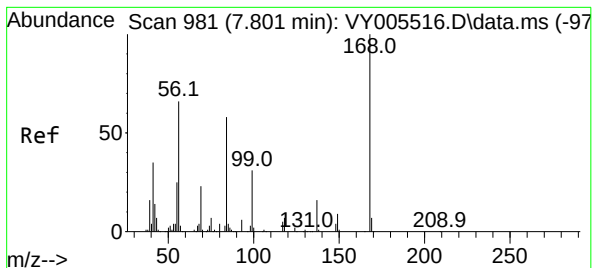
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY005616.D

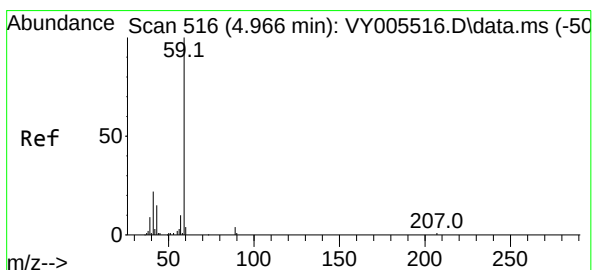
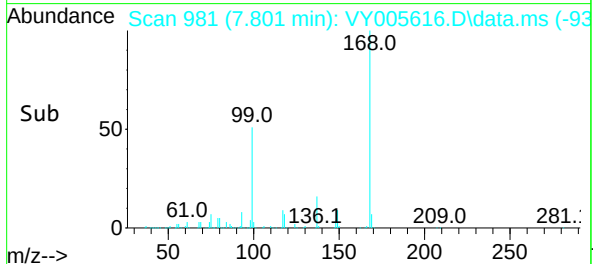
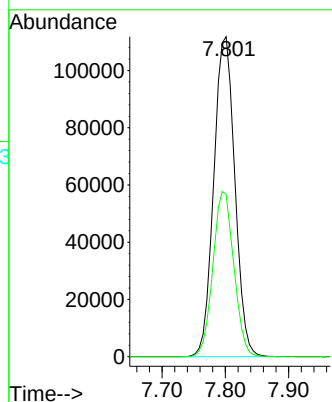
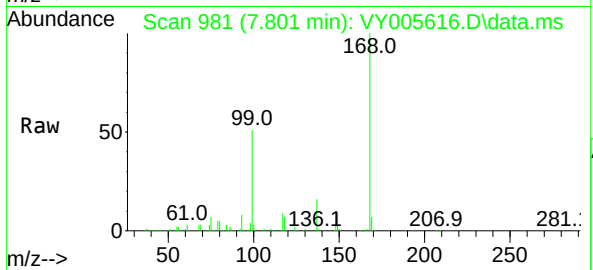
Acq: 12 Aug 2021 12:46

Tgt Ion:168 Resp: 258347

Ion Ratio Lower Upper

168 100

99 50.7 38.9 58.3



#11

Tert butyl alcohol

Concen: 2.928 ug/l

RT: 4.960 min Scan# 515

Delta R.T. -0.006 min

Lab File: VY005616.D

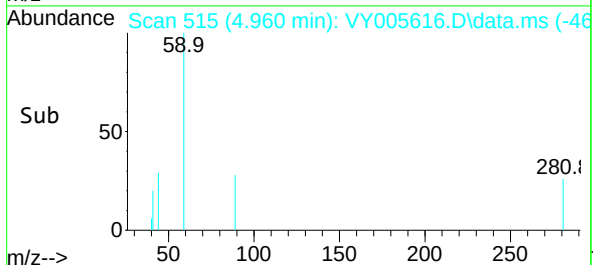
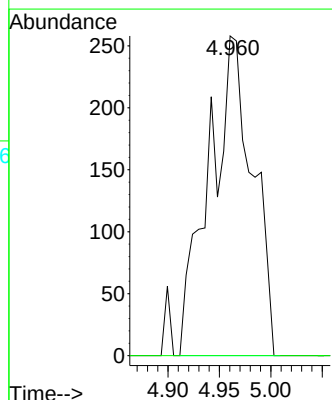
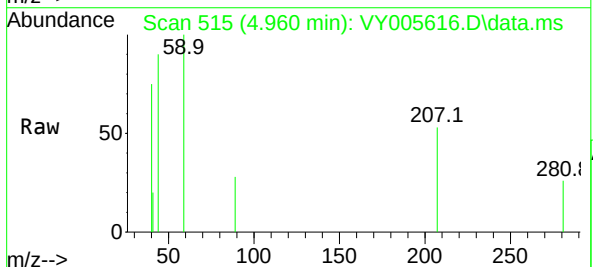
Acq: 12 Aug 2021 12:46

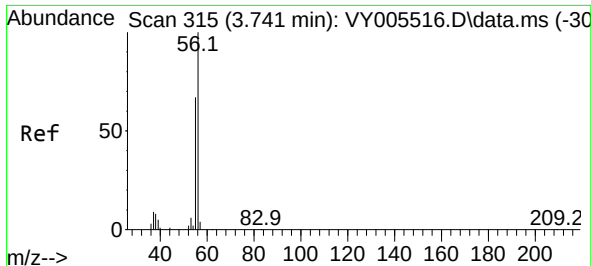
Tgt Ion: 59 Resp: 757

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#

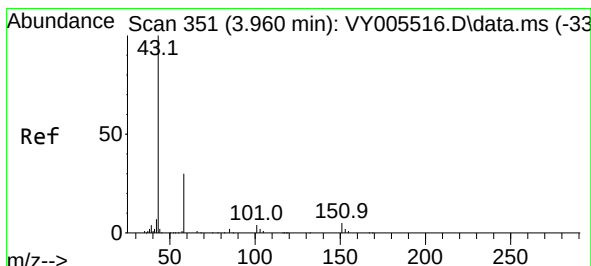
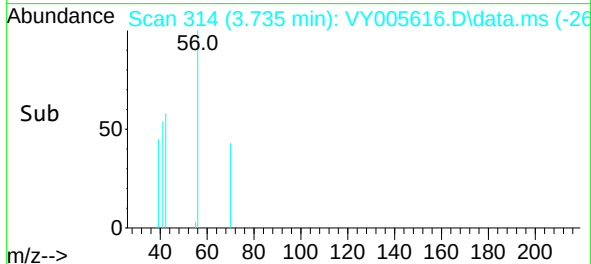
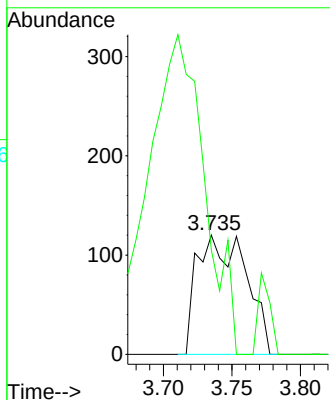
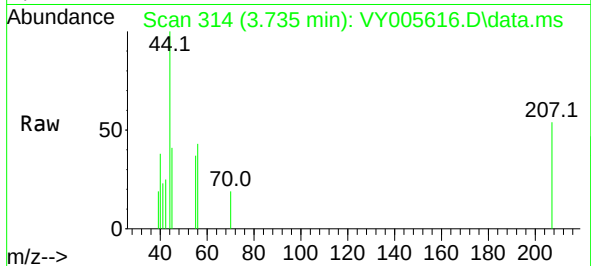




#13
Acrolein
Concen: 1.911 ug/l
RT: 3.735 min Scan# 314
Delta R.T. -0.006 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

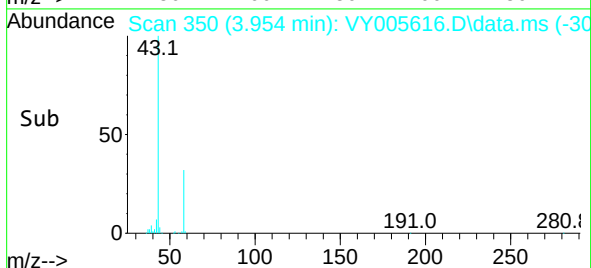
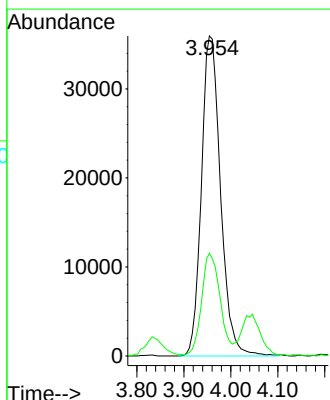
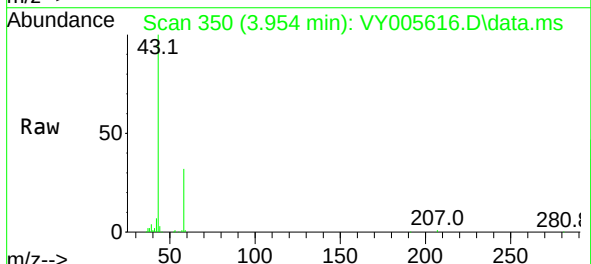
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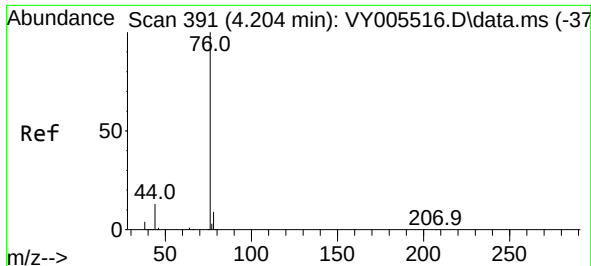
Tgt Ion: 56 Resp: 298
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#16
Acetone
Concen: 154.236 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

Tgt Ion: 43 Resp: 101693
Ion Ratio Lower Upper
43 100
58 31.8 23.8 35.6

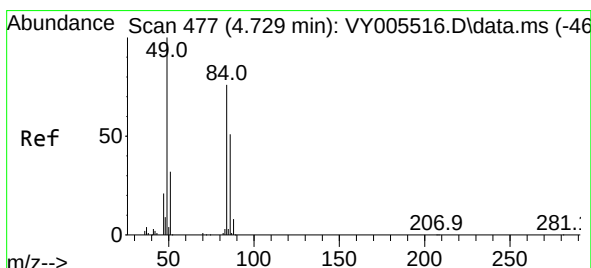
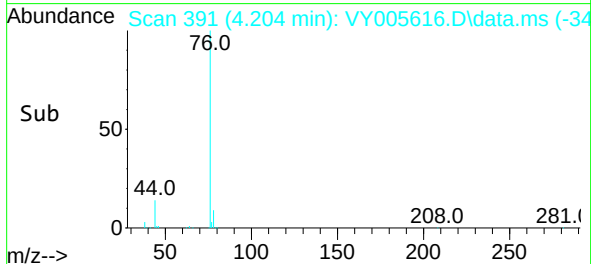
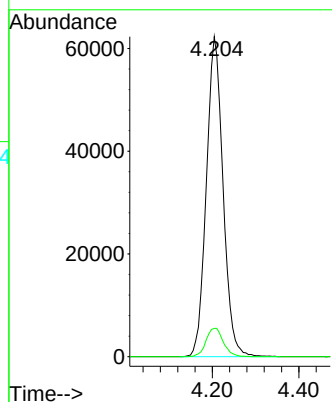
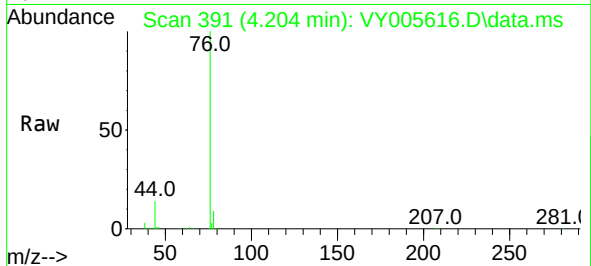




#17
Carbon Disulfide
Concen: 24.314 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

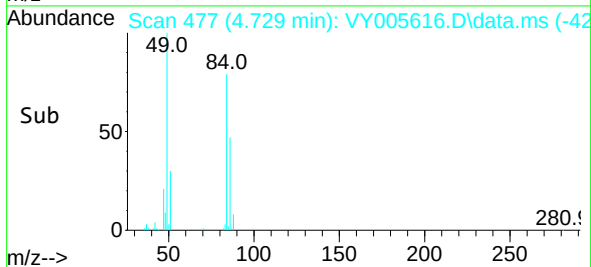
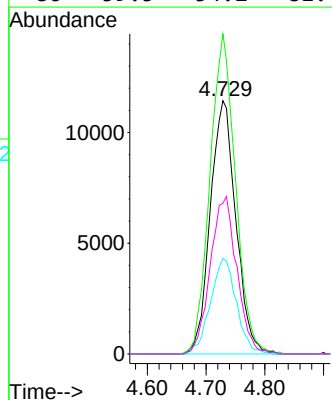
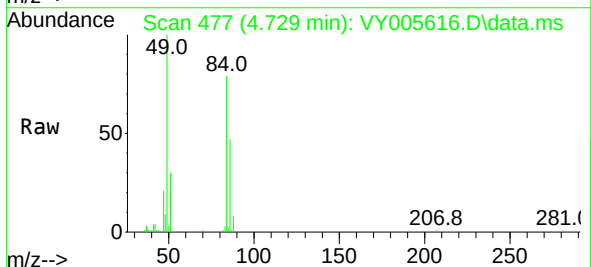
Instrument :
MSVOA_Y
ClientSampleId :
20210595-AMENDED-COM-9

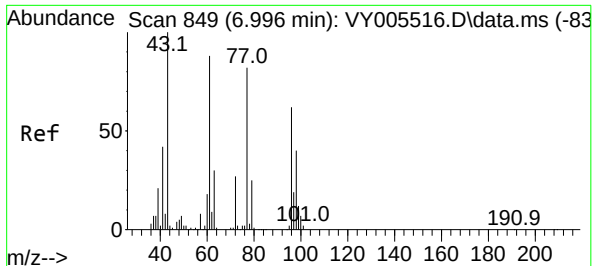
Tgt Ion: 76 Resp: 166872
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#20
Methylene Chloride
Concen: 8.214 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

Tgt Ion: 84 Resp: 34712
Ion Ratio Lower Upper
84 100
49 126.4 105.8 158.6
51 37.7 33.4 50.2
86 59.5 54.2 81.4





#25

2-Butanone

Concen: 27.281 ug/l

RT: 6.997 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY005616.D

Acq: 12 Aug 2021 12:46

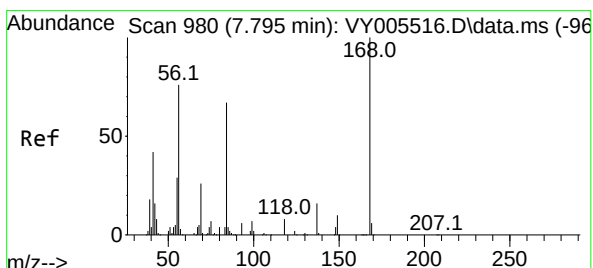
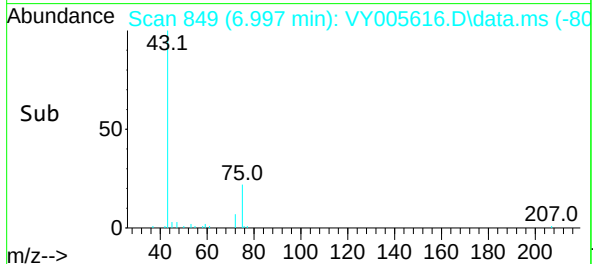
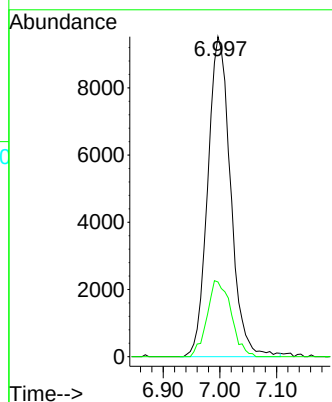
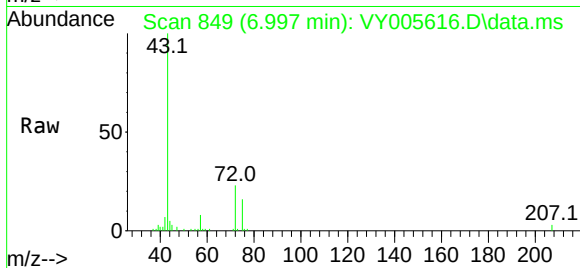
Instrument :

MSVOA_Y

ClientSampleId :

20210595-AMENDED-COM-9

Tgt Ion: 43 Resp: 26589
 Ion Ratio Lower Upper
 43 100
 72 23.3 21.4 32.2



#31

Cyclohexane

Concen: 1.540 ug/l

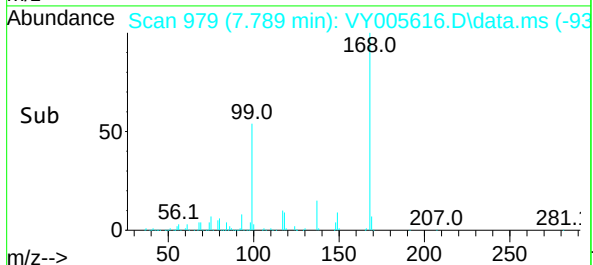
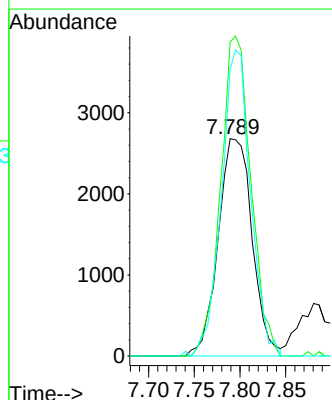
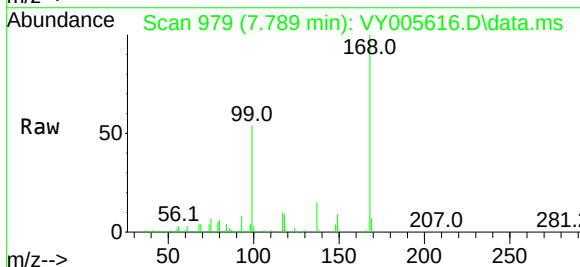
RT: 7.789 min Scan# 979

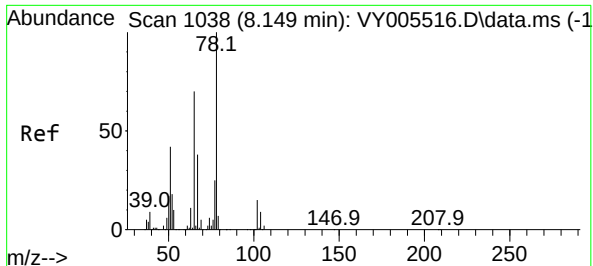
Delta R.T. -0.006 min

Lab File: VY005616.D

Acq: 12 Aug 2021 12:46

Tgt Ion: 56 Resp: 6910
 Ion Ratio Lower Upper
 56 100
 69 144.5 27.7 41.5#
 84 132.1 70.9 106.3#

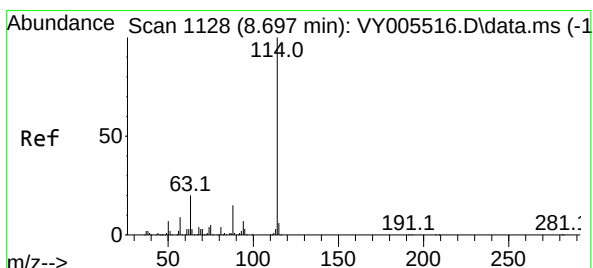
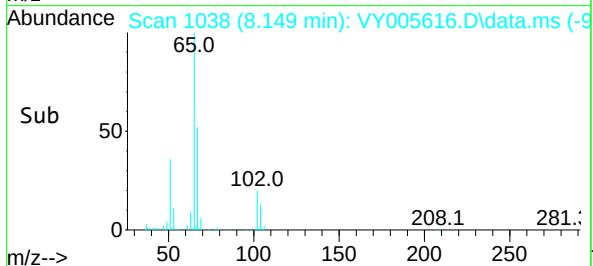
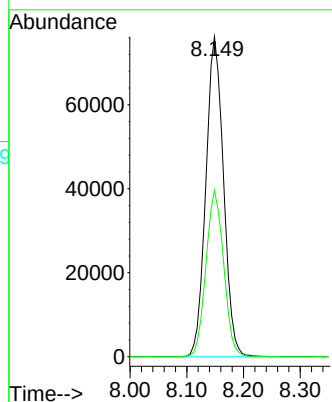
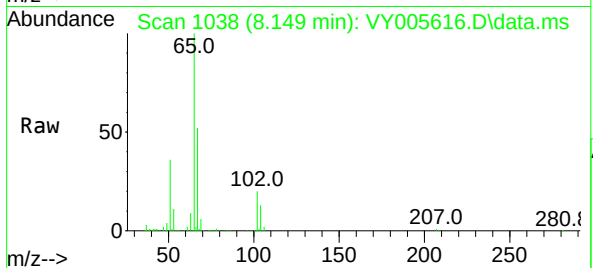




#33
1,2-Dichloroethane-d4
Concen: 63.044 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

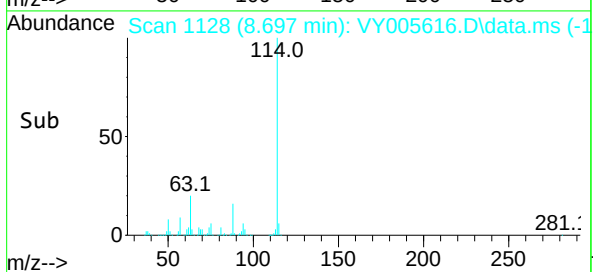
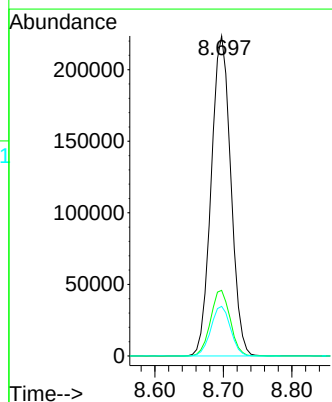
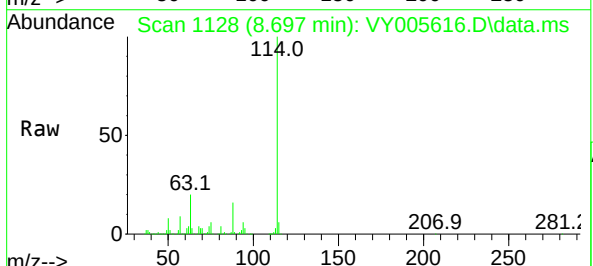
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20210595-AMENDED-COM-9

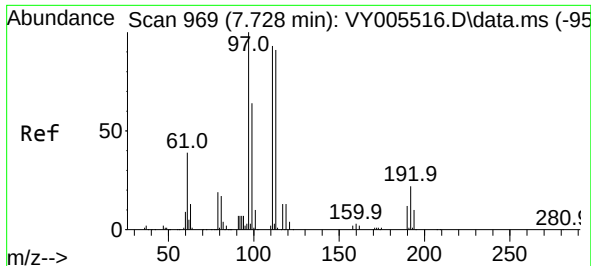
Tgt Ion: 65 Resp: 164868
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

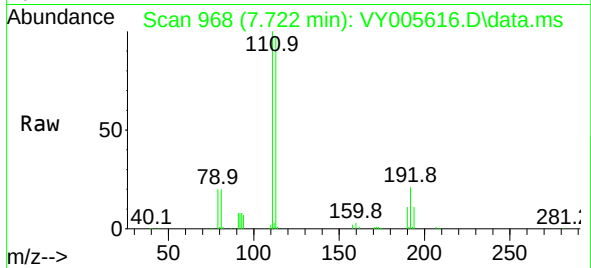
Tgt Ion: 114 Resp: 442038
Ion Ratio Lower Upper
114 100
63 20.5 0.0 39.2
88 15.5 0.0 30.8



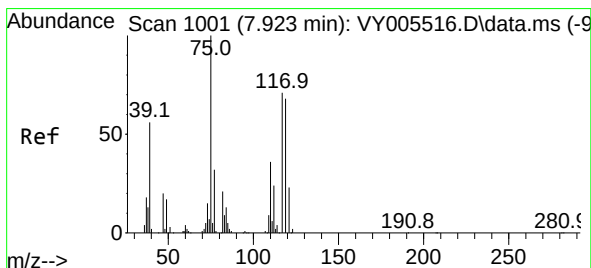
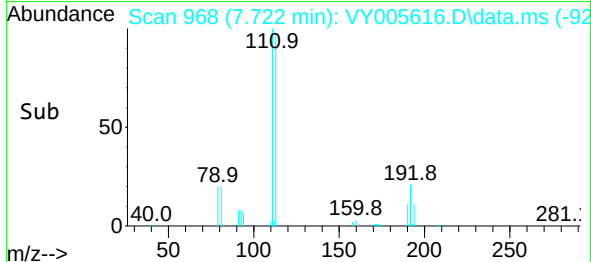
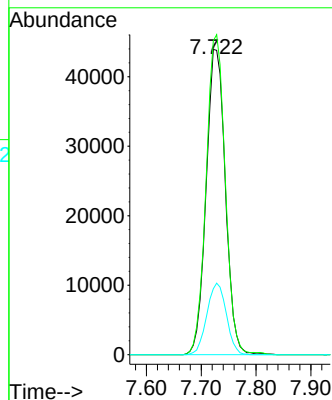


#35
Dibromofluoromethane
Concen: 43.179 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

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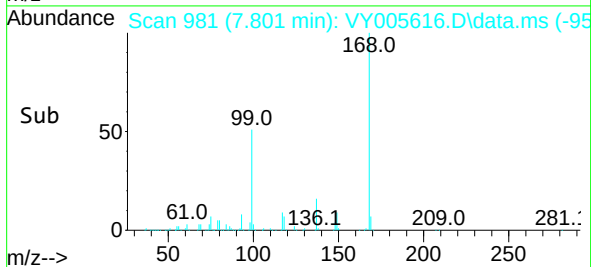
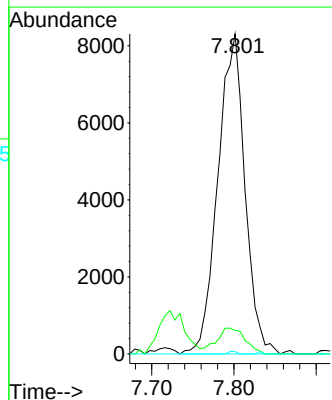
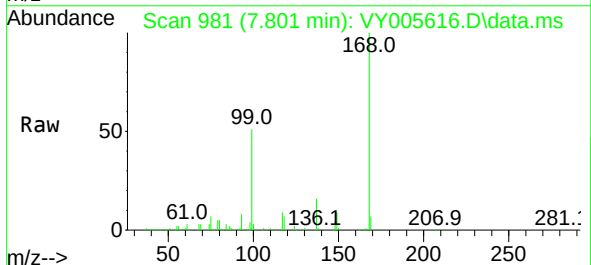


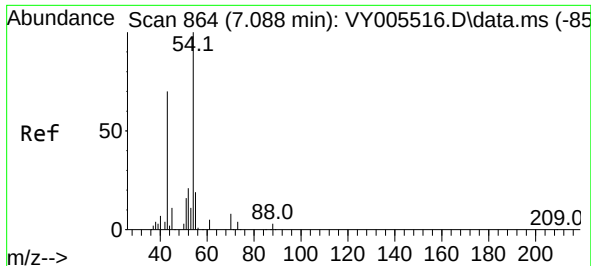
Tgt Ion:113 Resp: 106861
Ion Ratio Lower Upper
113 100
111 104.1 81.9 122.9
192 23.7 19.2 28.8



#36
1,1-Dichloropropene
Concen: 4.578 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

Tgt Ion: 75 Resp: 18981
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.1#
77 0.2 25.1 37.7#





#37

Ethyl Acetate

Concen: 10.586 ug/l

RT: 6.997 min Scan# 849

Delta R.T. -0.091 min

Lab File: VY005616.D

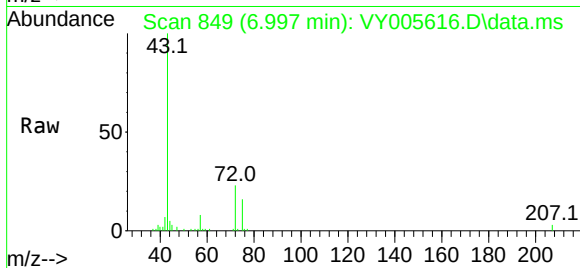
Acq: 12 Aug 2021 12:46

Instrument :

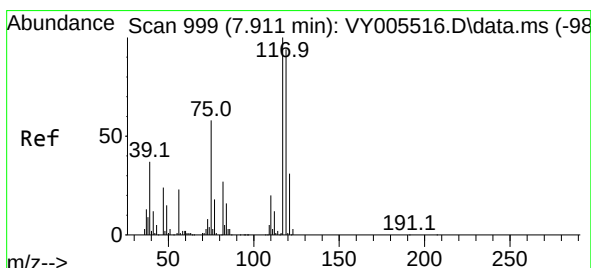
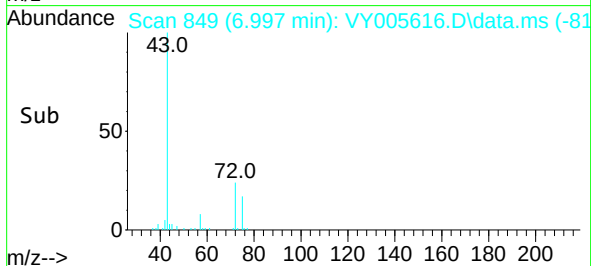
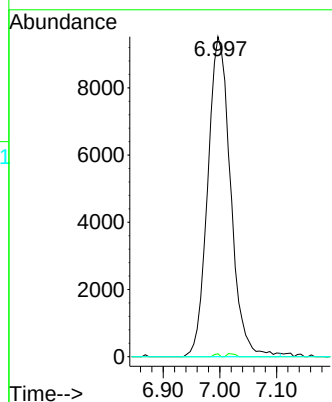
MSVOA_Y

ClientSampleId :

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Tgt Ion:	43	Resp:	26589
Ion	Ratio	Lower	Upper
43	100		
61	0.2	10.6	15.8#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 5.200 ug/l

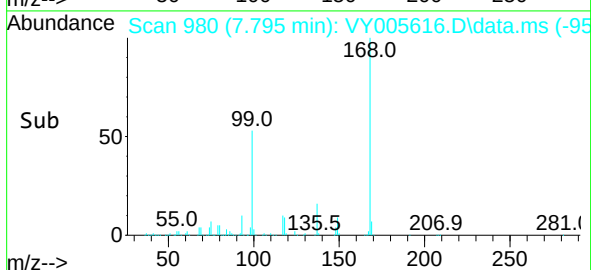
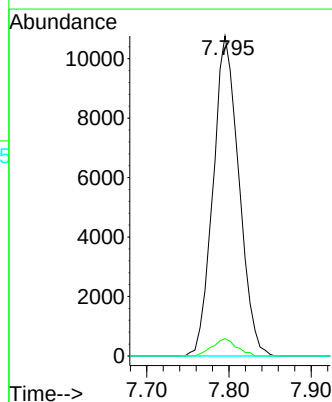
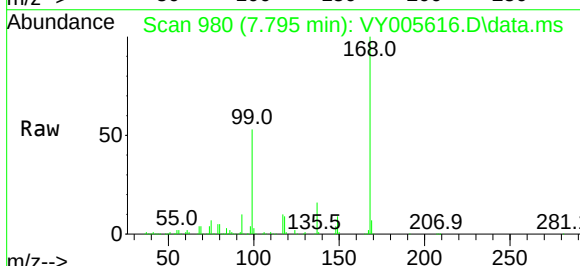
RT: 7.795 min Scan# 980

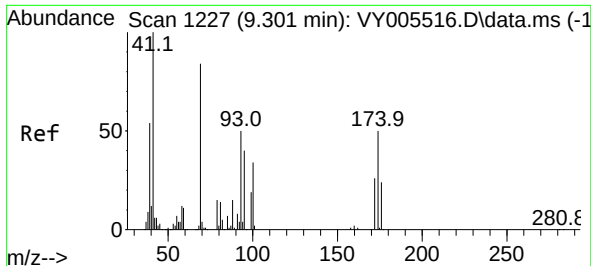
Delta R.T. -0.116 min

Lab File: VY005616.D

Acq: 12 Aug 2021 12:46

Tgt Ion:	117	Resp:	23431
Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.4	113.0#
121	0.0	25.1	37.7#

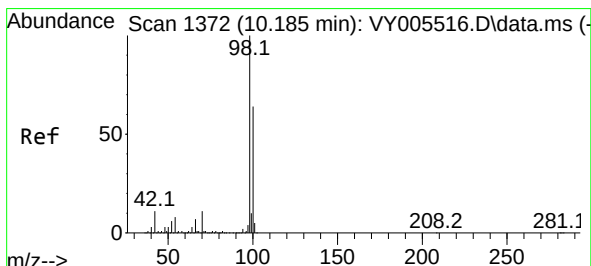
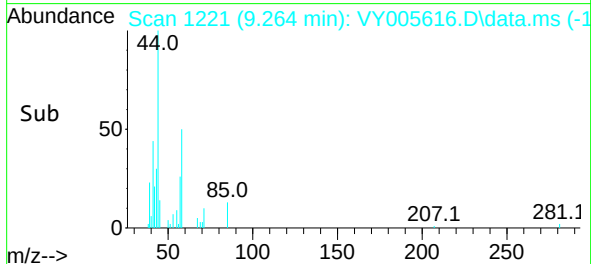
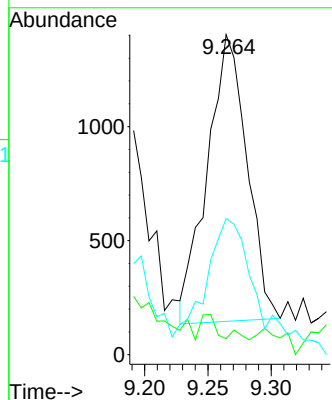
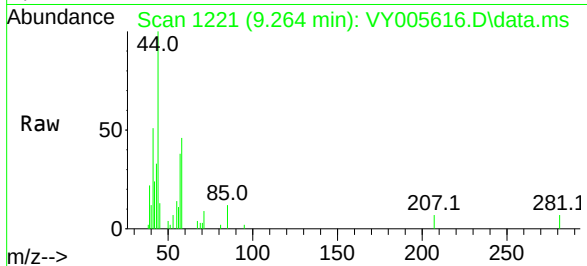




#48
Methyl methacrylate
Concen: 1.278 ug/l
RT: 9.264 min Scan# 1221
Delta R.T. -0.037 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

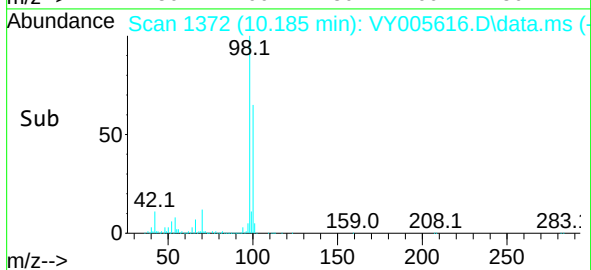
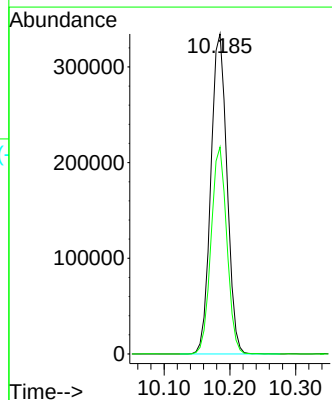
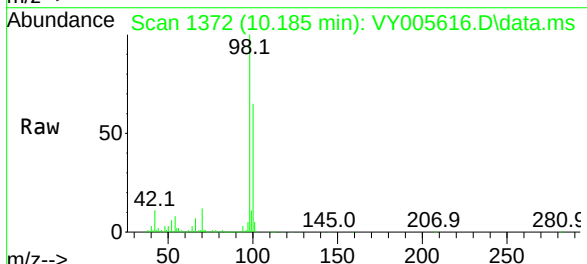
Instrument :
MSVOA_Y
ClientSampleId :
20210595-AMENDED-COM-9

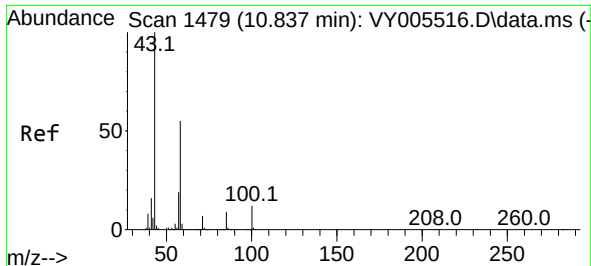
Tgt Ion: 41 Resp: 2746
Ion Ratio Lower Upper
41 100
69 5.0 69.0 103.4#
39 63.2 46.0 69.0



#50
Toluene-d8
Concen: 55.024 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

Tgt Ion: 98 Resp: 571113
Ion Ratio Lower Upper
98 100
100 63.3 51.3 76.9

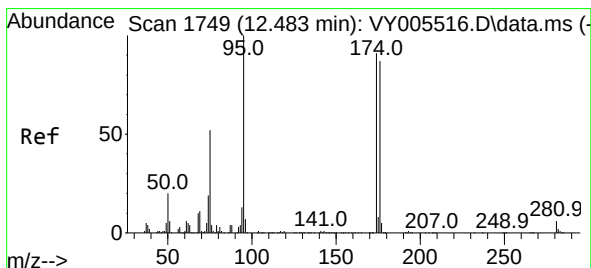
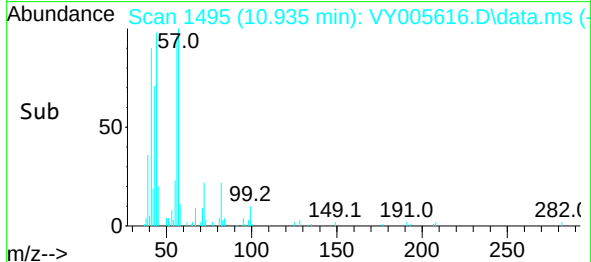
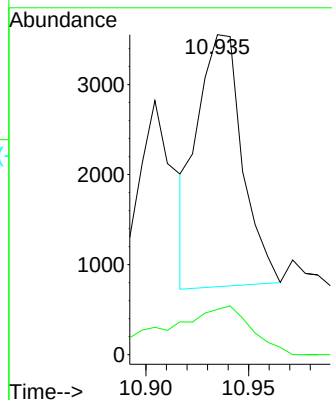
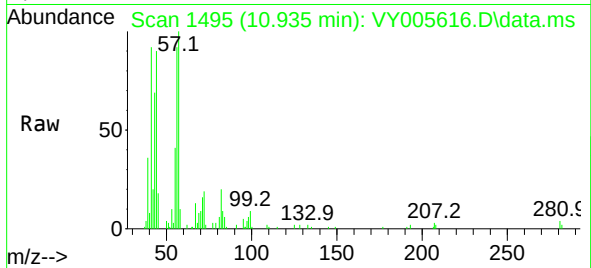




#59
2-Hexanone
Concen: 2.407 ug/l
RT: 10.935 min Scan# 1495
Delta R.T. 0.098 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

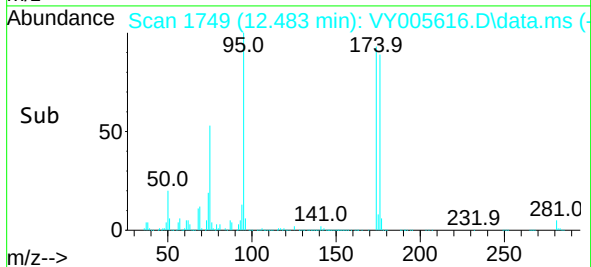
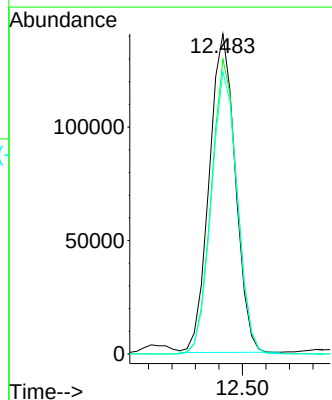
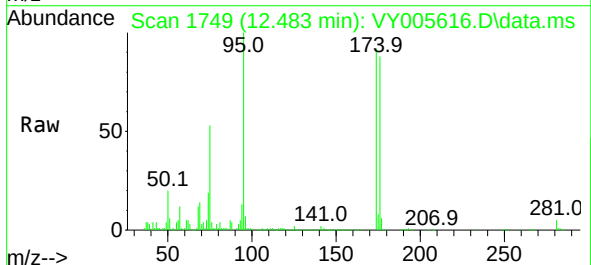
Instrument :
MSVOA_Y
ClientSampleId :
20210595-AMENDED-COM-9

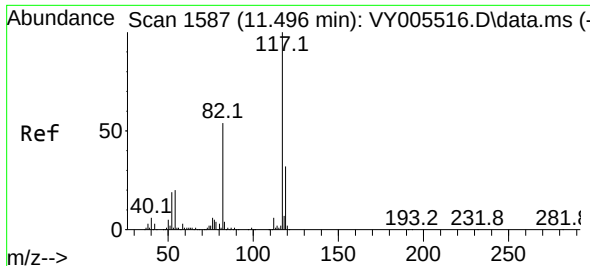
Tgt Ion: 43 Resp: 4260
Ion Ratio Lower Upper
43 100
58 38.3 27.1 81.2



#62
4-Bromofluorobenzene
Concen: 62.933 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

Tgt Ion: 95 Resp: 216309
Ion Ratio Lower Upper
95 100
174 91.6 0.0 191.4
176 88.2 0.0 183.6

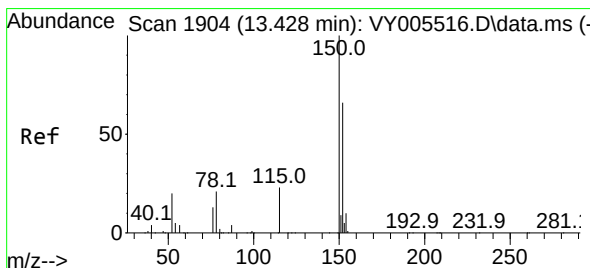
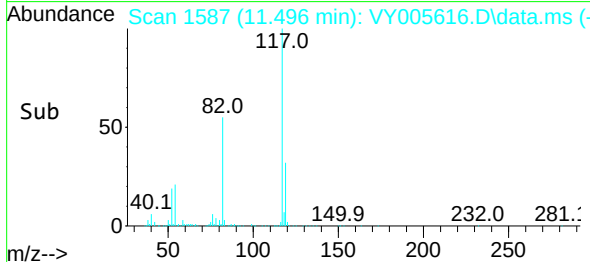
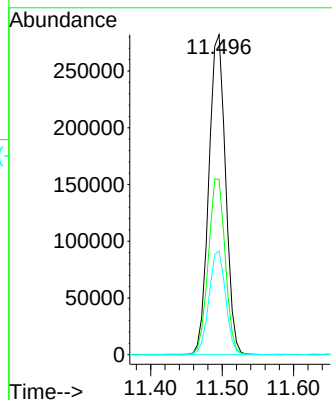
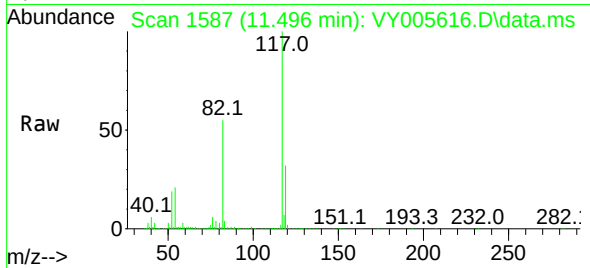




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

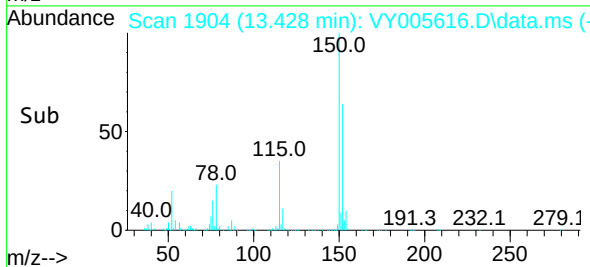
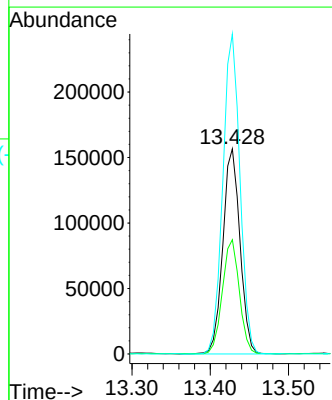
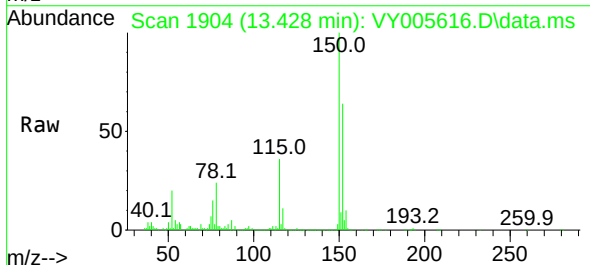
Instrument :
MSVOA_Y
ClientSampleId :
20210595-AMENDED-COM-9

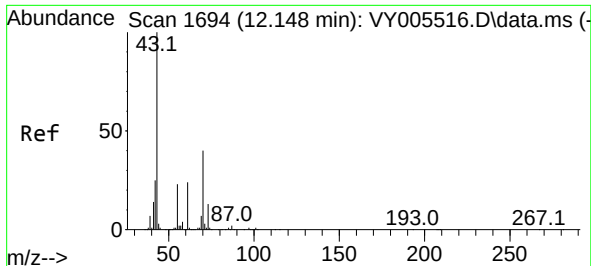
Tgt Ion:117 Resp: 458189
Ion Ratio Lower Upper
117 100
82 54.6 43.5 65.3
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

Tgt Ion:152 Resp: 238183
Ion Ratio Lower Upper
152 100
115 55.0 27.3 81.9
150 155.8 0.0 350.2

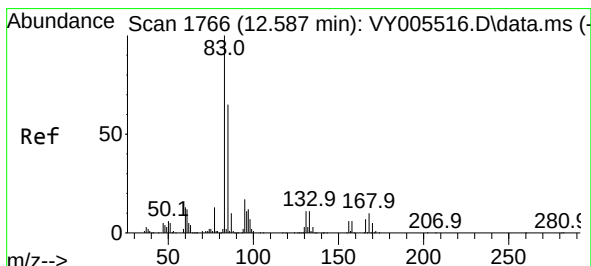
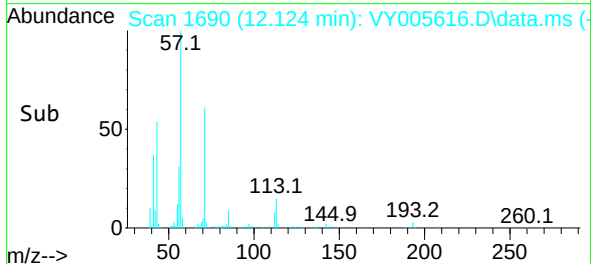
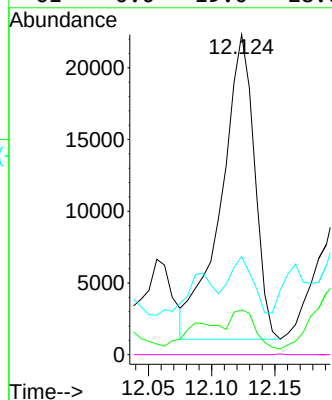
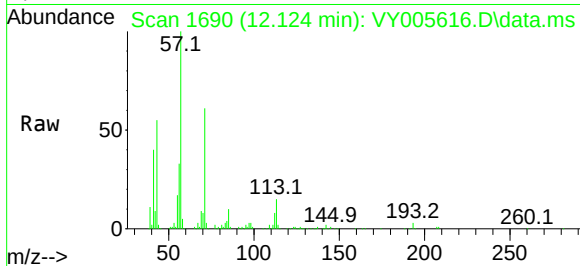




#74
N-amy1 acetate
Concen: 7.786 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

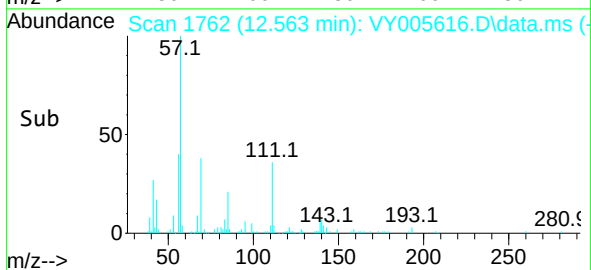
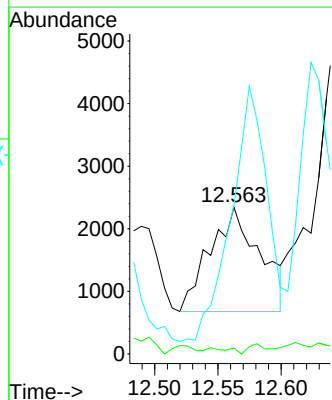
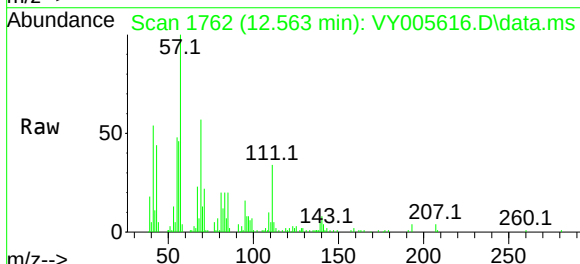
Instrument :
MSVOA_Y
ClientSampleId :
20210595-AMENDED-COM-9

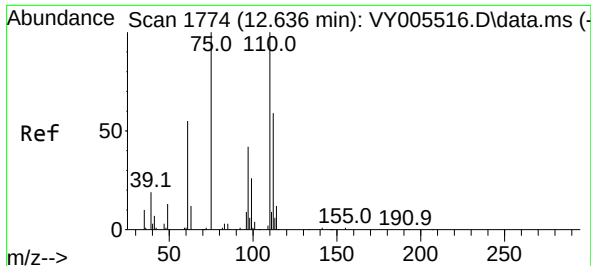
Tgt Ion:	43	Resp:	38969
Ion	Ratio	Lower	Upper
43	100		
70	8.9	32.9	49.3#
55	21.5	18.9	28.3
61	0.0	19.0	28.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.426 ug/l
RT: 12.563 min Scan# 1762
Delta R.T. -0.024 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

Tgt Ion:	83	Resp:	4559
Ion	Ratio	Lower	Upper
83	100		
131	3.6	5.6	16.8#
85	183.2	32.0	96.2#

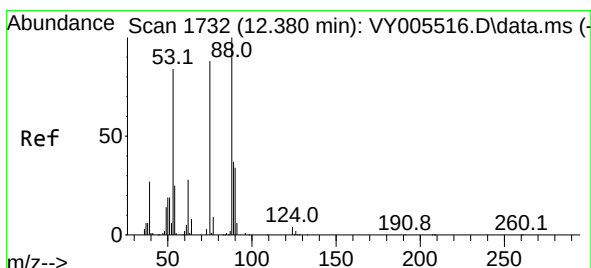
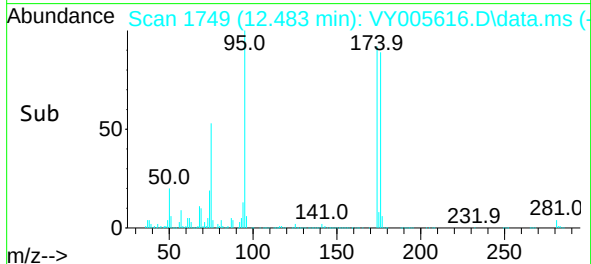
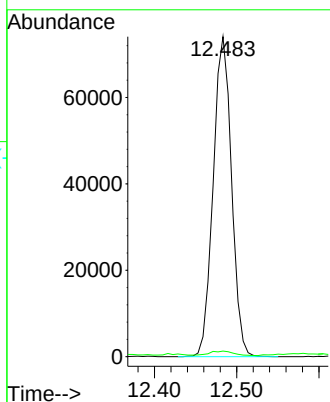
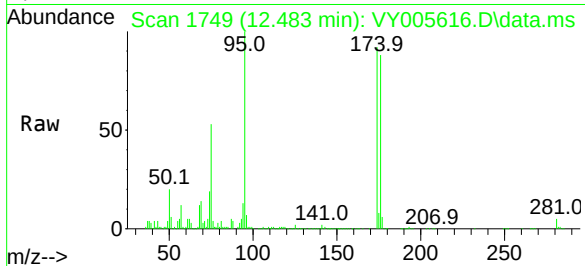




#76
1,2,3-Trichloropropane
Concen: 46.485 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

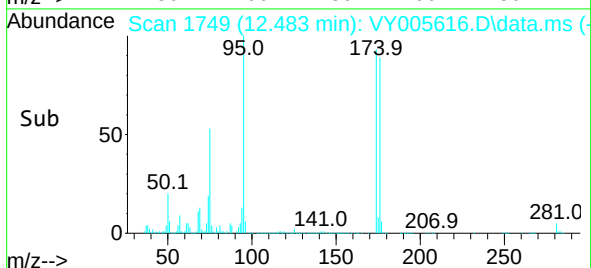
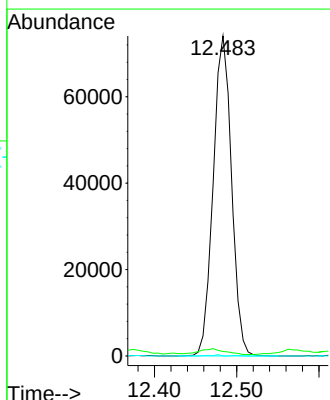
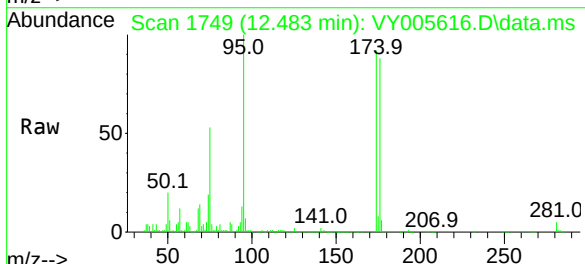
Instrument :
MSVOA_Y
ClientSampleId :
20210595-AMENDED-COM-9

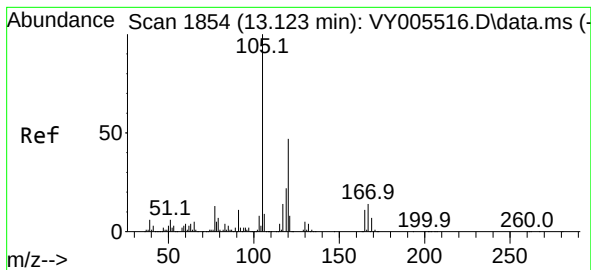
Tgt Ion: 75 Resp: 114738
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.708 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005616.D
Acq: 12 Aug 2021 12:46

Tgt Ion: 75 Resp: 114738
Ion Ratio Lower Upper
75 100
53 2.4 76.7 115.1#
89 0.2 38.4 57.6#





#84
 1,2,4-Trimethylbenzene
 Concen: 1.119 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: VY005616.D
 Acq: 12 Aug 2021 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 20210595-AMENDED-COM-9

Tgt Ion:105 Resp: 15230
 Ion Ratio Lower Upper
 105 100
 120 32.5 22.9 68.5

