

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081221\
 Data File : VY005626.D
 Acq On : 12 Aug 2021 16:38
 Operator : SY/MD
 Sample : M3343-08
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20210582-COM-5

Quant Time: Aug 13 04:23:40 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)

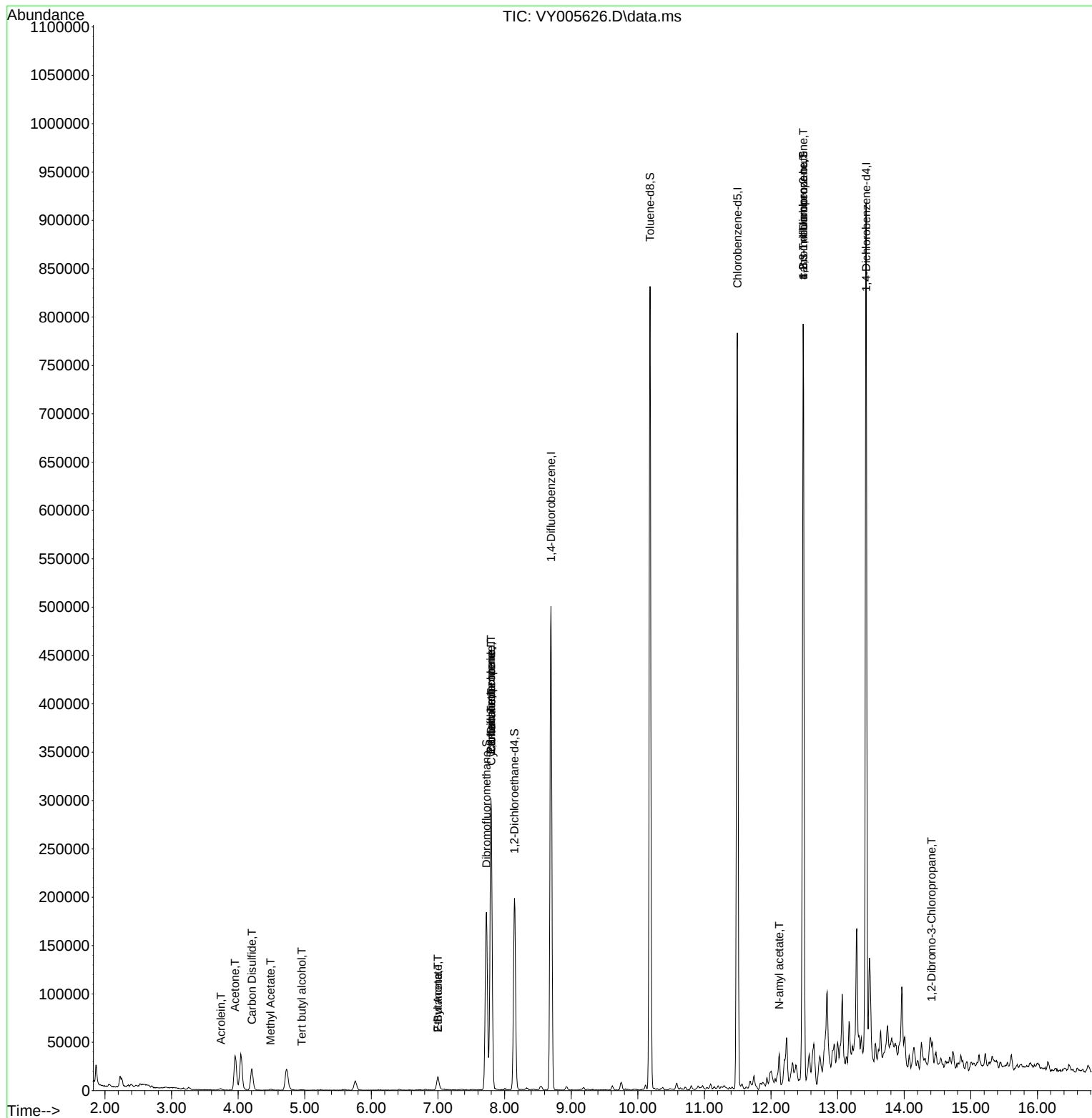
Internal Standards						
1) Pentafluorobenzene	7.795	168	243425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	417706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	426539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	223555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	161735	65.637	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.280%	
35) Dibromofluoromethane	7.728	113	127527	54.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.060%	
50) Toluene-d8	10.185	98	537109	54.762	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.520%	
62) 4-Bromofluorobenzene	12.483	95	201462	62.028	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 124.060%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.954	59	435	1.786	ug/l #	73
13) Acrolein	3.741	56	1549	10.540	ug/l #	48
16) Acetone	3.954	43	63029	101.455	ug/l	97
17) Carbon Disulfide	4.204	76	42912	6.636	ug/l	99
18) Methyl Acetate	4.485	43	2115	1.302	ug/l #	66
25) 2-Butanone	6.996	43	20984	22.850	ug/l	94
31) Cyclohexane	7.801	56	5670	1.342	ug/l #	8
36) 1,1-Dichloropropene	7.795	75	18124	4.626	ug/l #	49
37) Ethyl Acetate	6.996	43	20984	8.841	ug/l #	69
38) Carbon Tetrachloride	7.795	117	22453	5.273	ug/l #	17
74) N-amyl acetate	12.124	43	8684	1.849	ug/l #	66
76) 1,2,3-Trichloropropane	12.483	75	110042	47.500	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	110042	95.754	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.410	75	1618	2.844	ug/l #	1

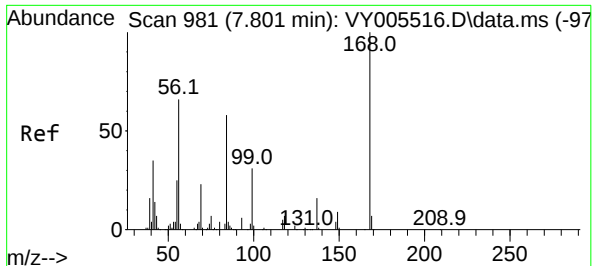
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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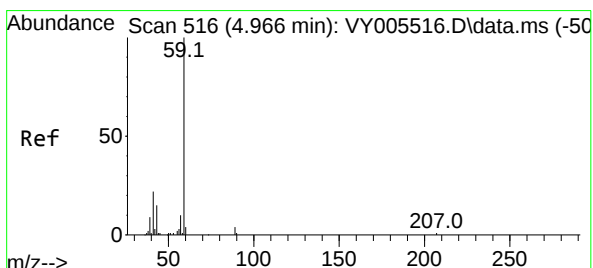
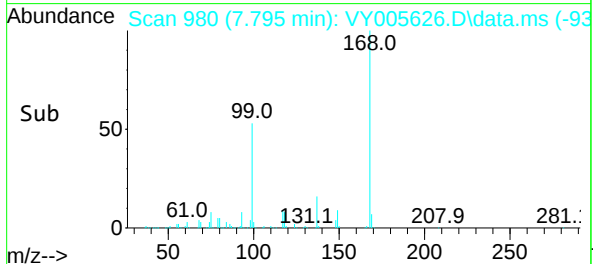
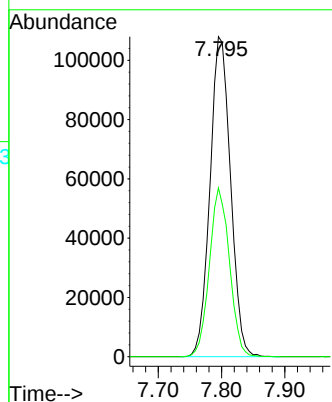
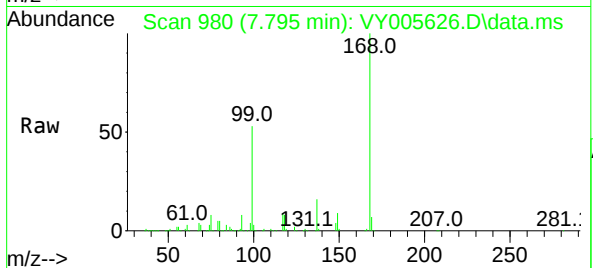




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

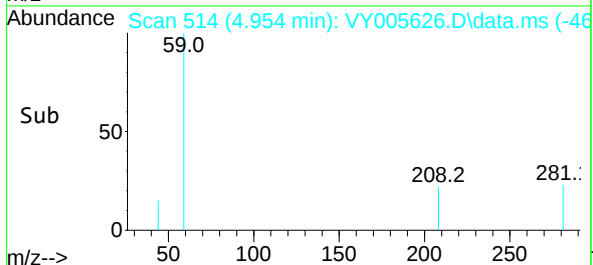
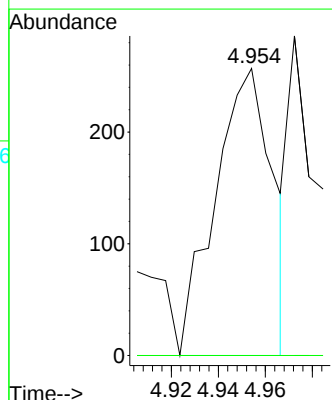
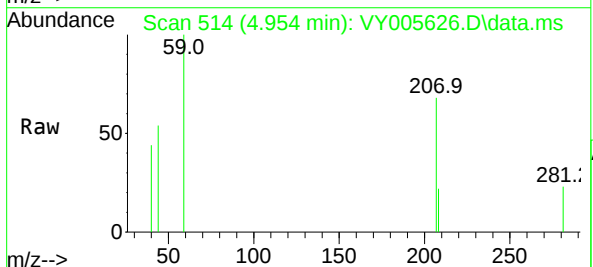
Instrument :
MSVOA_Y
ClientSampleId :
20210582-COM-5

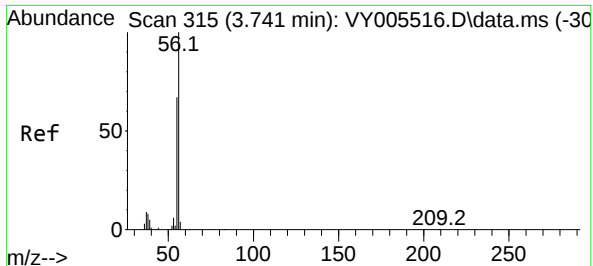
Tgt Ion:168 Resp: 243425
Ion Ratio Lower Upper
168 100
99 52.8 38.9 58.3



#11
Tert butyl alcohol
Concen: 1.786 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

Tgt Ion: 59 Resp: 435
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

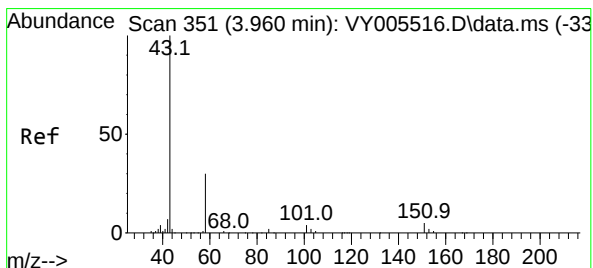
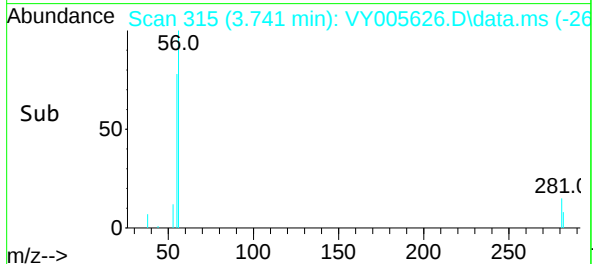
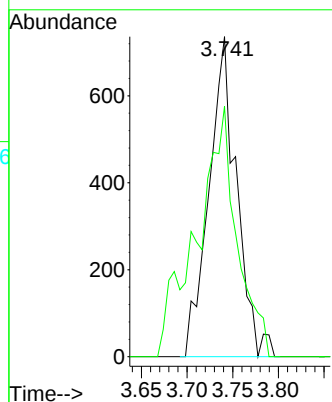
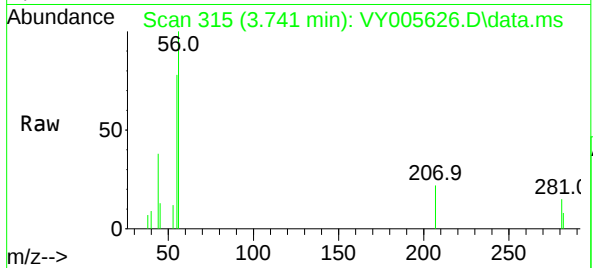




#13
Acrolein
Concen: 10.540 ug/l
RT: 3.741 min Scan# 315
Delta R.T. -0.000 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

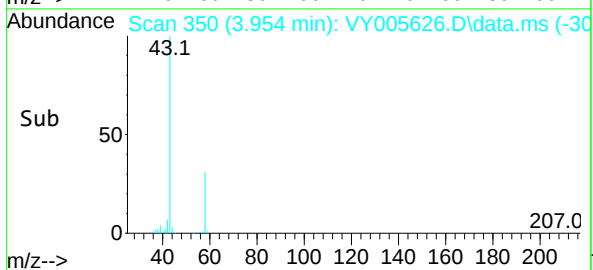
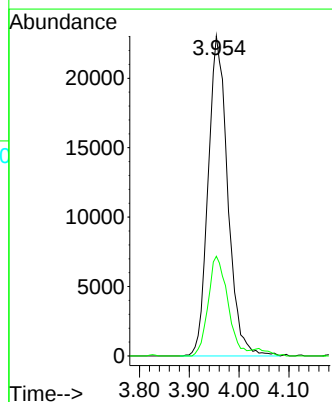
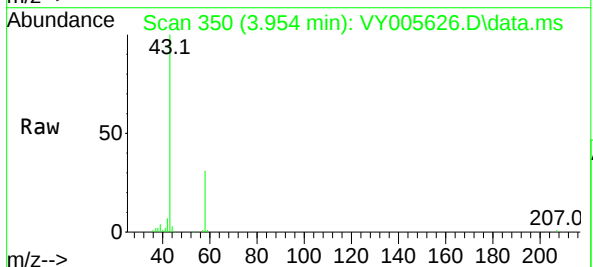
Instrument :
MSVOA_Y
ClientSampleId :
20210582-COM-5

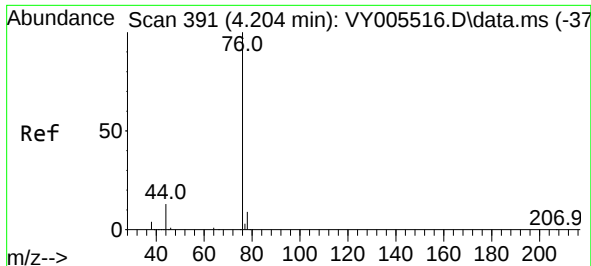
Tgt Ion: 56 Resp: 1549
Ion Ratio Lower Upper
56 100
55 113.2 56.5 84.7#



#16
Acetone
Concen: 101.455 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

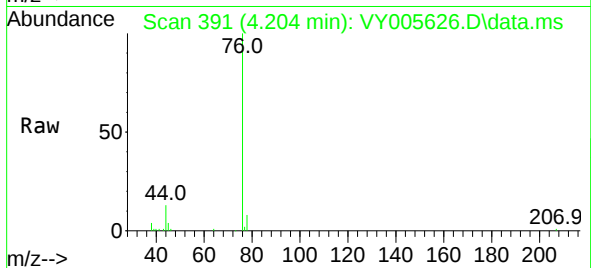
Tgt Ion: 43 Resp: 63029
Ion Ratio Lower Upper
43 100
58 31.2 23.8 35.6



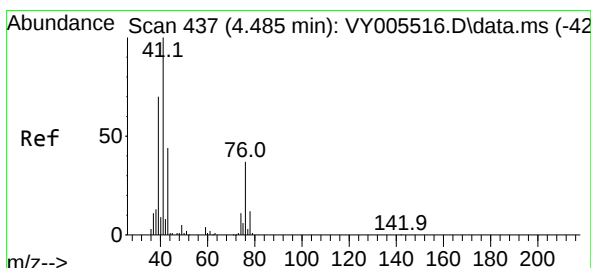
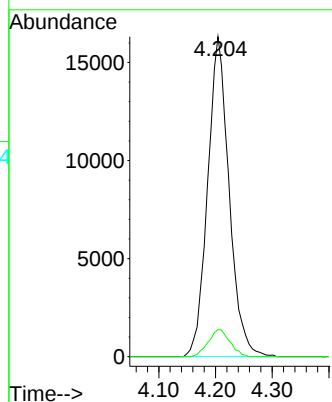
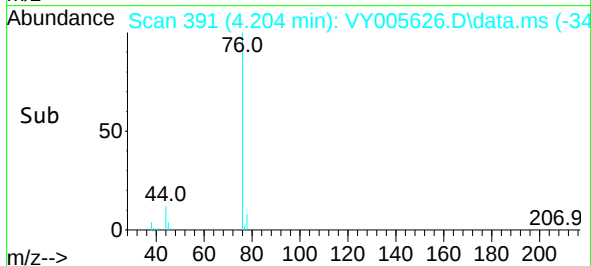


#17
Carbon Disulfide
Concen: 6.636 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

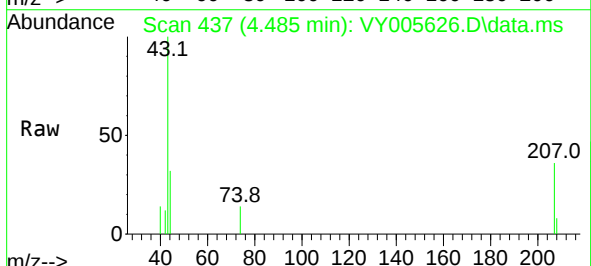
Instrument :
MSVOA_Y
ClientSampleId :
20210582-COM-5



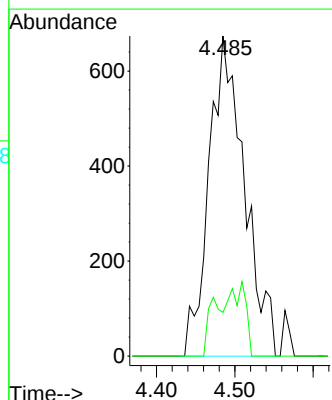
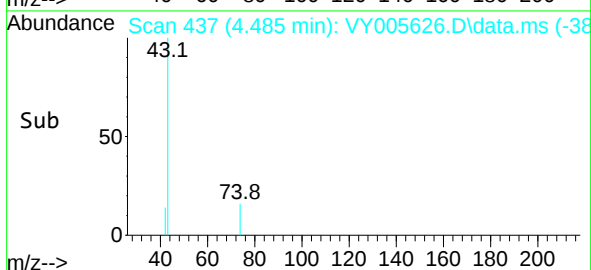
Tgt Ion: 76 Resp: 42912
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6

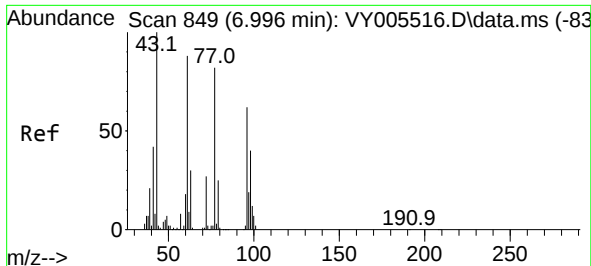


#18
Methyl Acetate
Concen: 1.302 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38



Tgt Ion: 43 Resp: 2115
Ion Ratio Lower Upper
43 100
74 7.2 19.0 28.6#





#25

2-Butanone

Concen: 22.850 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY005626.D

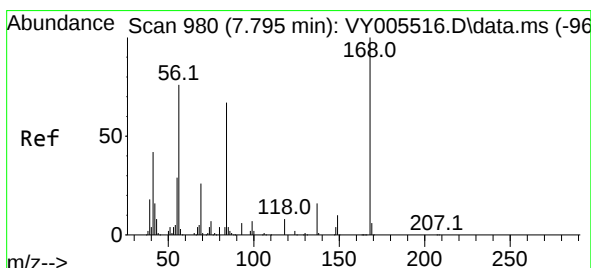
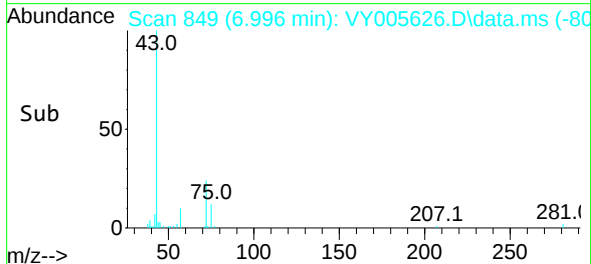
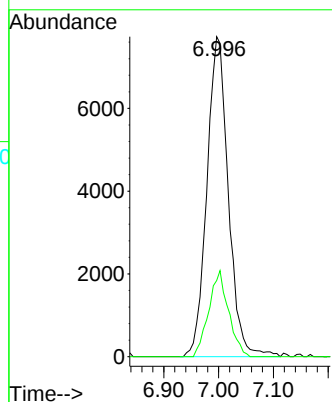
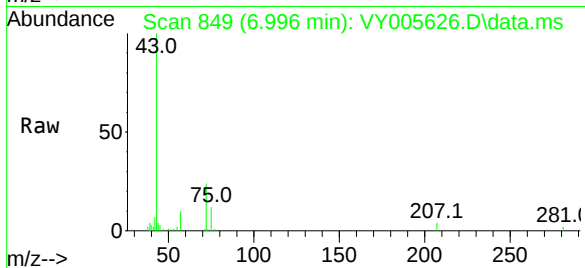
Acq: 12 Aug 2021 16:38

Tgt Ion: 43 Resp: 20984

Ion Ratio Lower Upper

43 100

72 23.8 21.4 32.2



#31

Cyclohexane

Concen: 1.342 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY005626.D

Acq: 12 Aug 2021 16:38

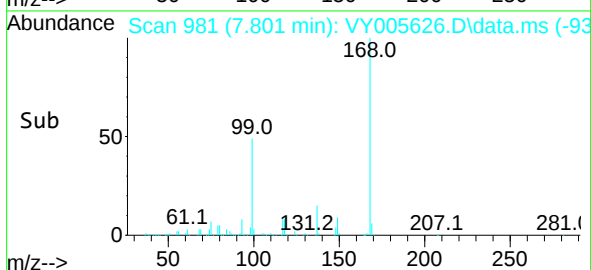
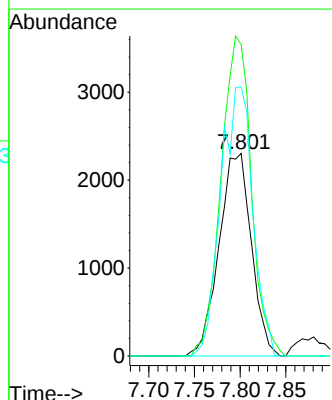
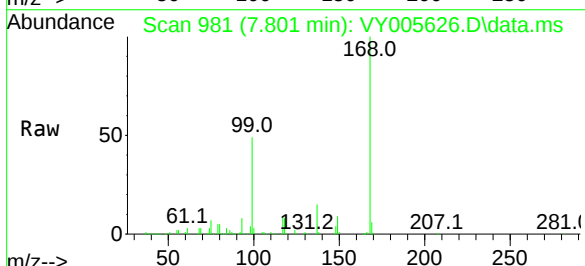
Tgt Ion: 56 Resp: 5670

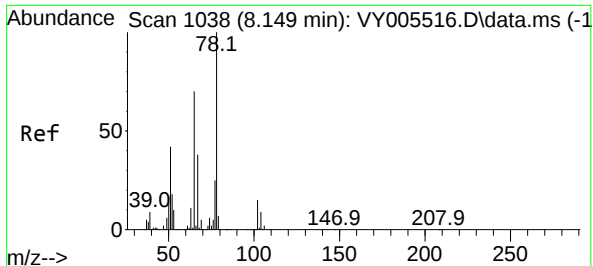
Ion Ratio Lower Upper

56 100

69 153.9 27.7 41.5#

84 132.9 70.9 106.3#

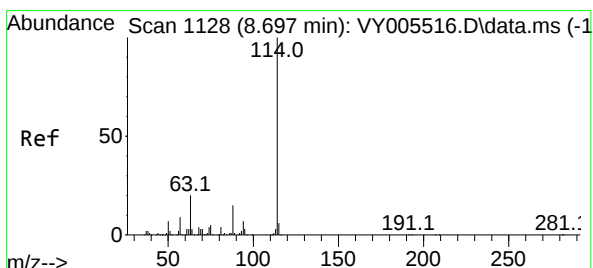
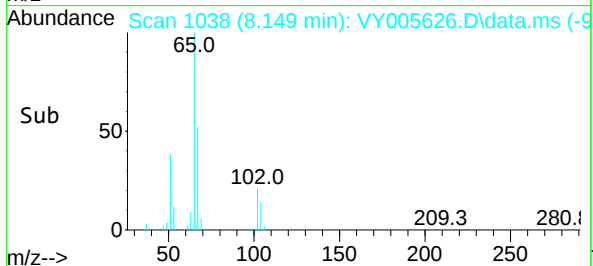
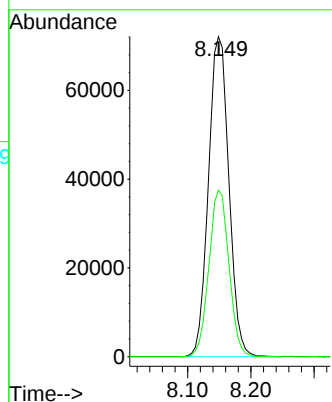
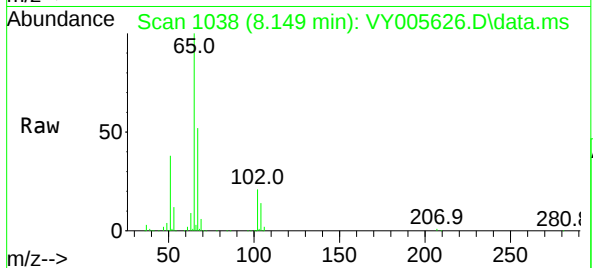




#33
1,2-Dichloroethane-d4
Concen: 65.637 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

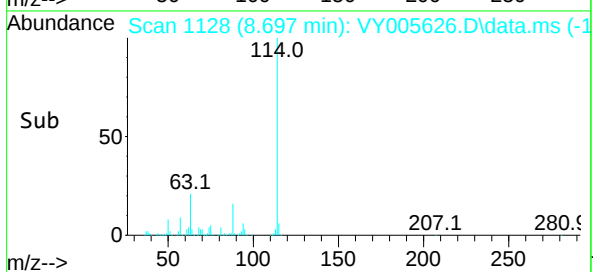
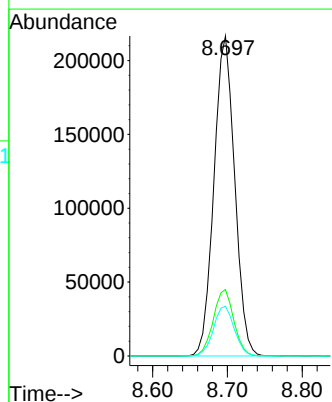
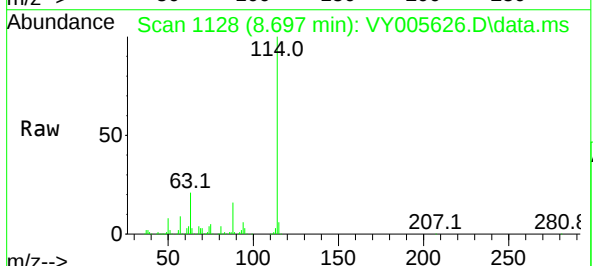
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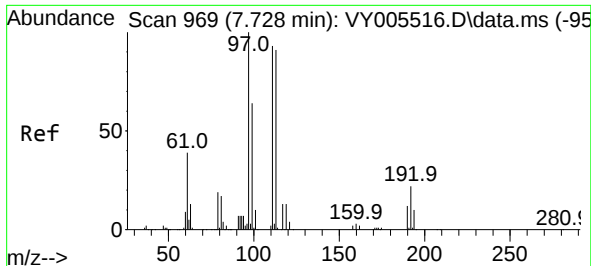
Tgt Ion: 65 Resp: 161735
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

Tgt Ion: 114 Resp: 417706
Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.2
88 15.6 0.0 30.8

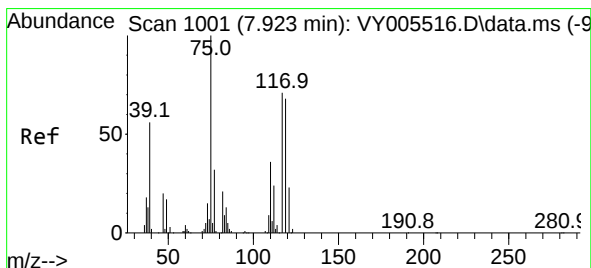
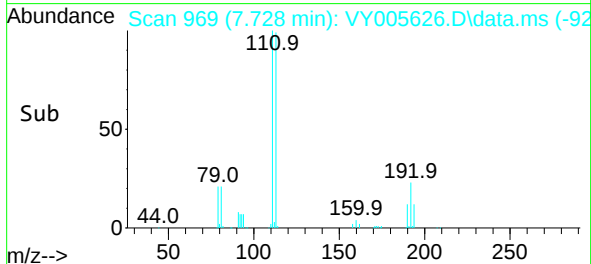
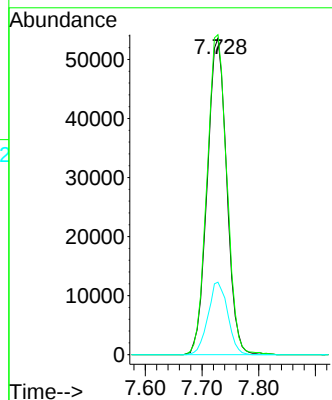
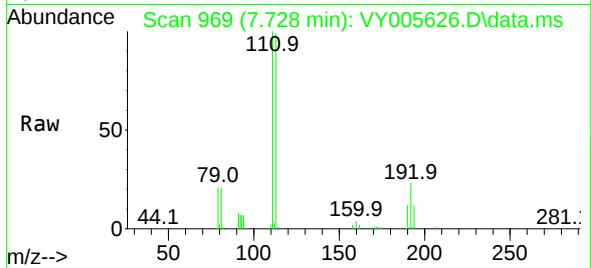




#35
Dibromofluoromethane
Concen: 54.531 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

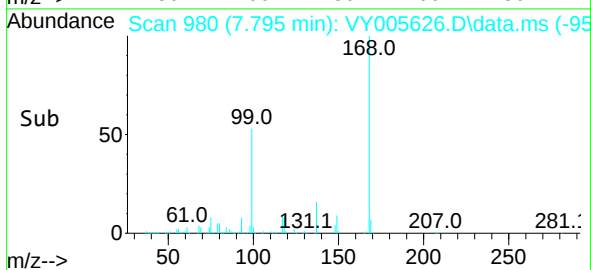
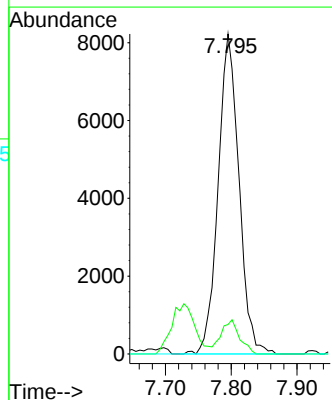
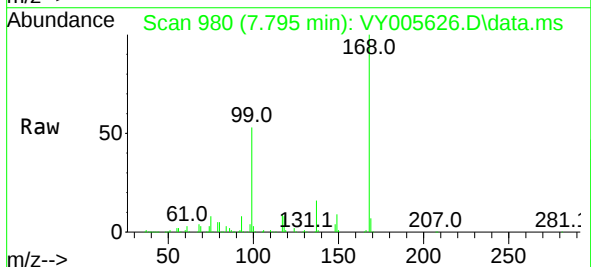
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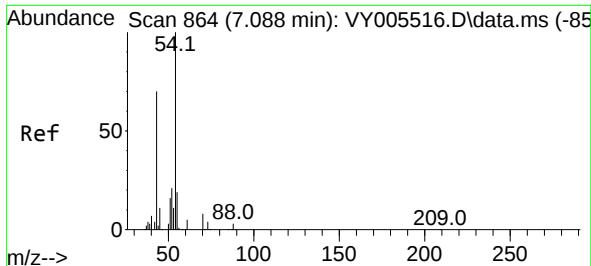
Tgt Ion:113 Resp: 127527
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 23.2 19.2 28.8



#36
1,1-Dichloropropene
Concen: 4.626 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

Tgt Ion: 75 Resp: 18124
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 8.841 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.091 min

Lab File: VY005626.D

Acq: 12 Aug 2021 16:38

Tgt Ion: 43 Resp: 20984

Ion Ratio Lower Upper

43 100

61 0.1 10.6 15.8#

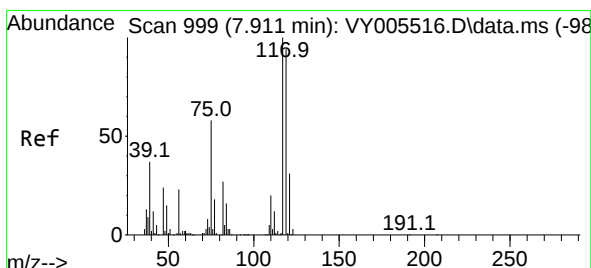
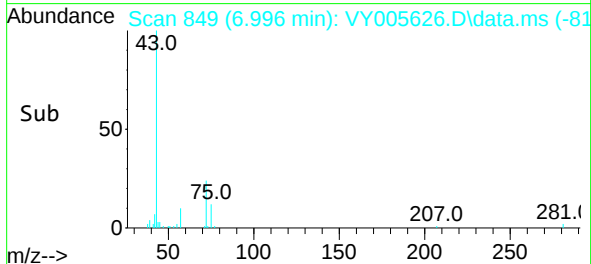
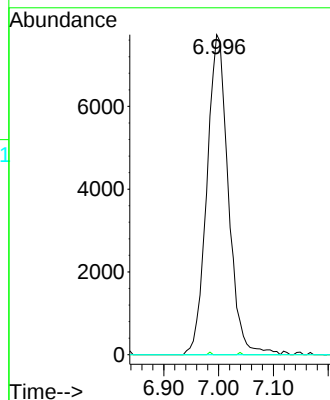
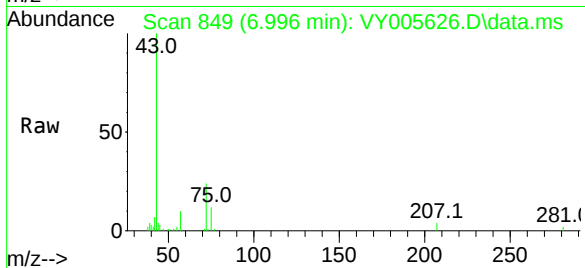
70 0.0 8.6 13.0#

Instrument :

MSVOA_Y

ClientSampleId :

20210582-COM-5



#38

Carbon Tetrachloride

Concen: 5.273 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.116 min

Lab File: VY005626.D

Acq: 12 Aug 2021 16:38

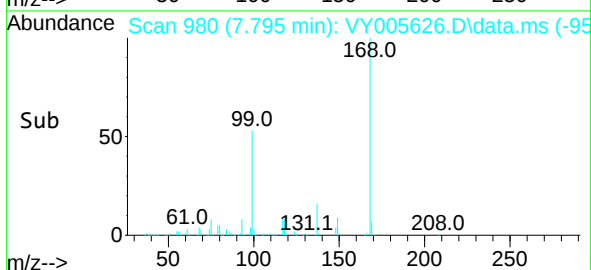
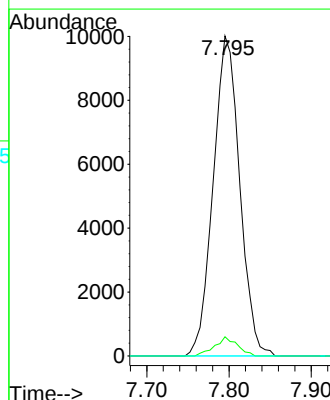
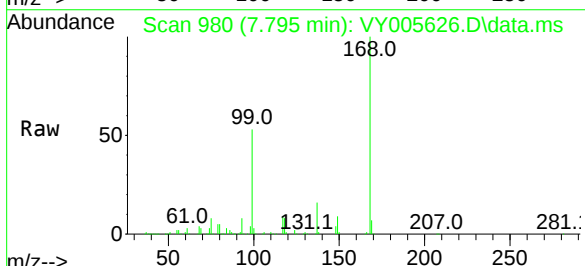
Tgt Ion: 117 Resp: 22453

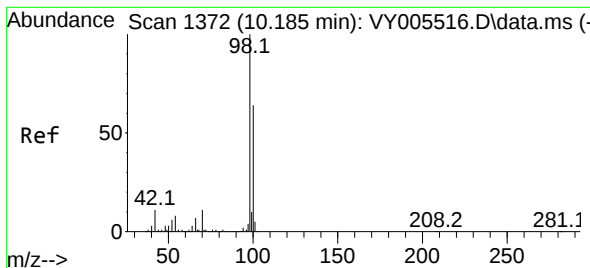
Ion Ratio Lower Upper

117 100

119 6.0 75.4 113.0#

121 0.0 25.1 37.7#

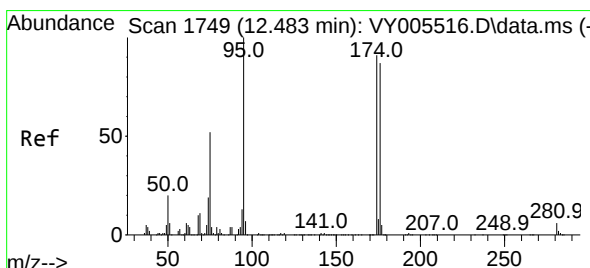
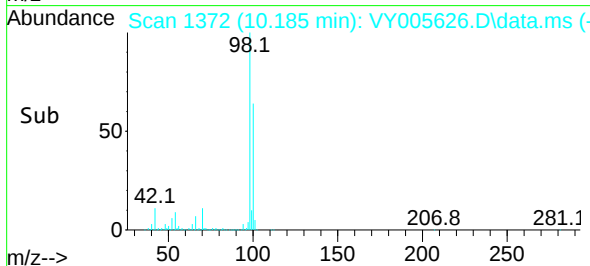
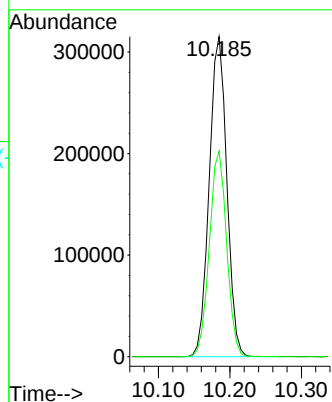
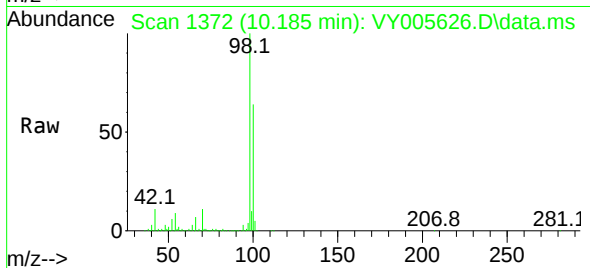




#50
Toluene-d8
Concen: 54.762 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

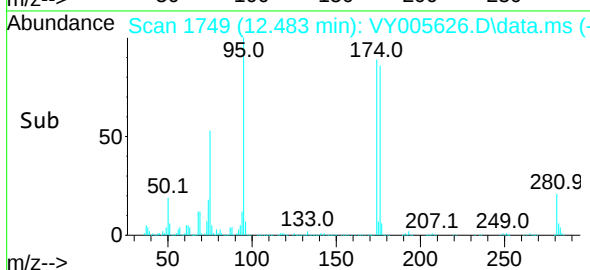
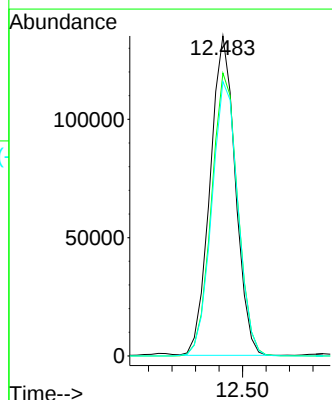
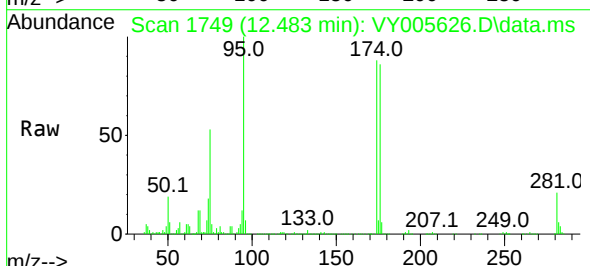
Instrument :
MSVOA_Y
ClientSampleId :
20210582-COM-5

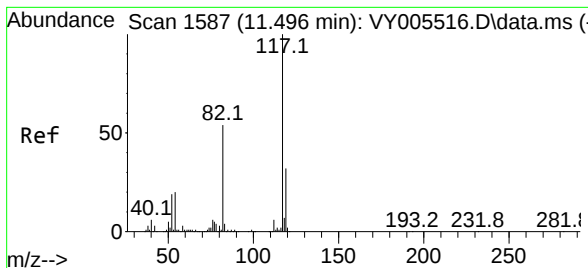
Tgt Ion: 98 Resp: 537109
Ion Ratio Lower Upper
98 100
100 63.2 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 62.028 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

Tgt Ion: 95 Resp: 201462
Ion Ratio Lower Upper
95 100
174 91.7 0.0 191.4
176 88.8 0.0 183.6

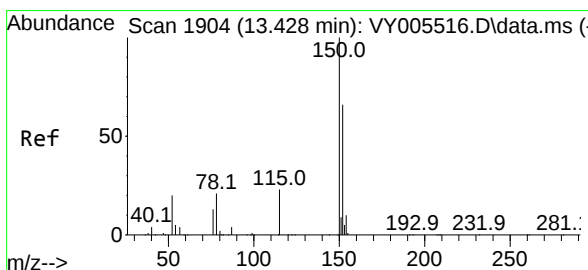
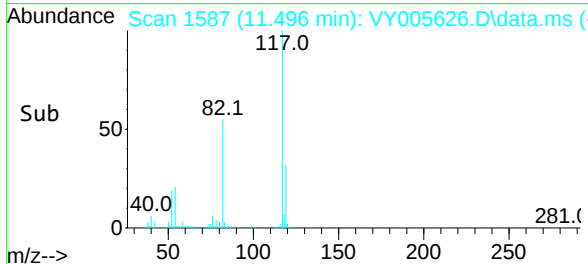
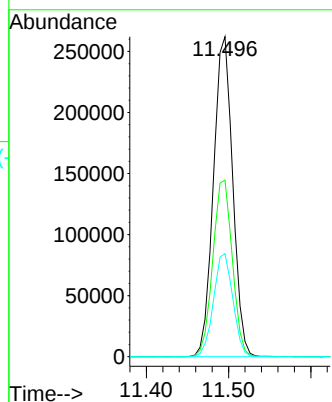
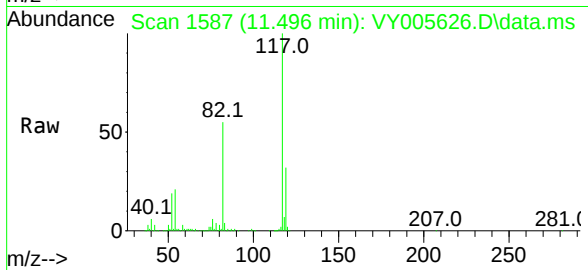




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

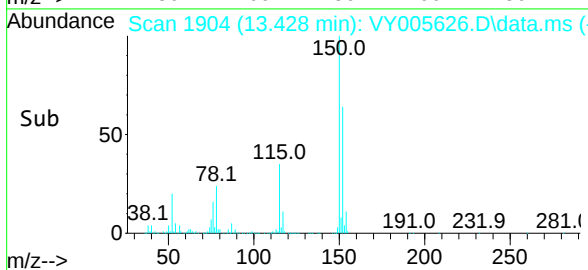
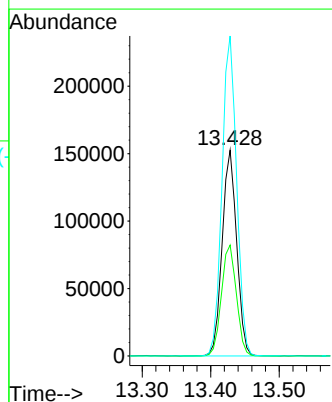
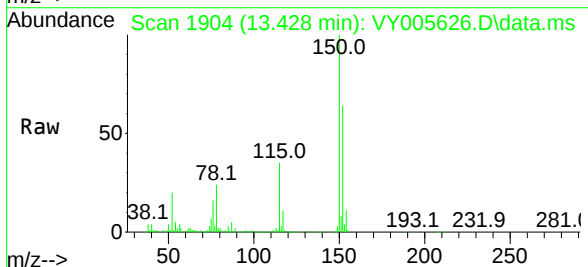
Instrument :
MSVOA_Y
ClientSampleId :
20210582-COM-5

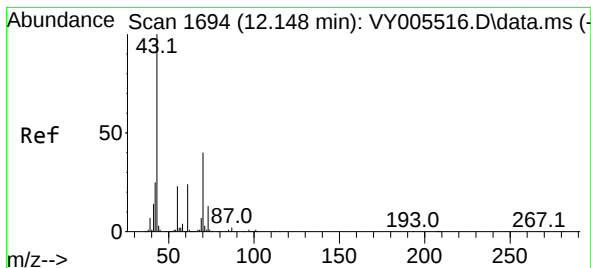
Tgt Ion:117	Resp:	426539
Ion	Ratio	Lower Upper
117	100	
82	55.2	43.5 65.3
119	32.2	25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

Tgt Ion:152	Resp:	223555
Ion	Ratio	Lower Upper
152	100	
115	55.4	27.3 81.9
150	156.3	0.0 350.2

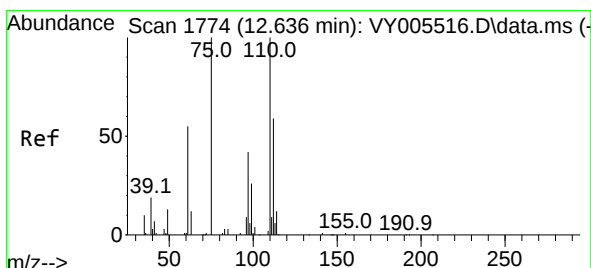
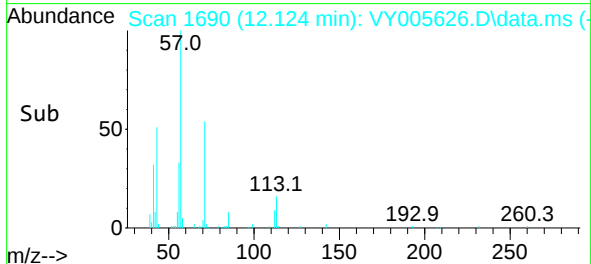
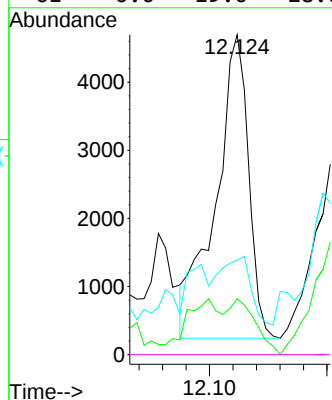
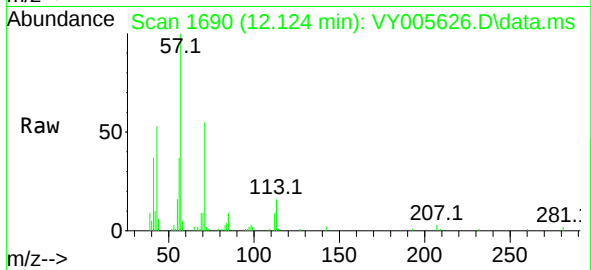




#74
N-amy1 acetate
Concen: 1.849 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

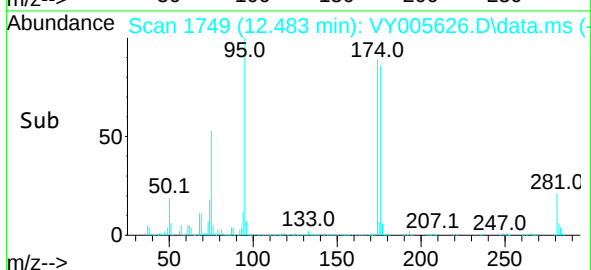
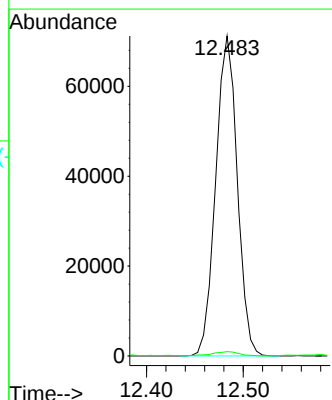
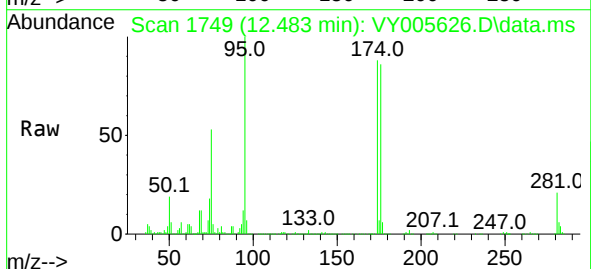
Instrument :
MSVOA_Y
ClientSampleId :
20210582-COM-5

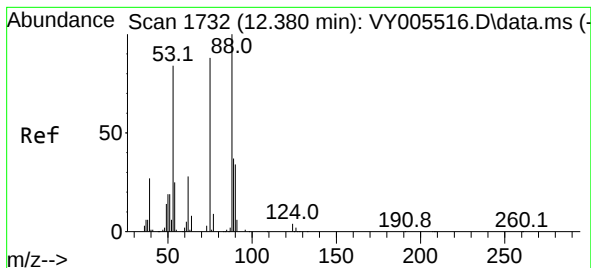
Tgt Ion:	43	Resp:	8684
Ion	Ratio	Lower	Upper
43	100		
70	14.9	32.9	49.3#
55	21.3	18.9	28.3
61	0.0	19.0	28.6#



#76
1,2,3-Trichloropropane
Concen: 47.500 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

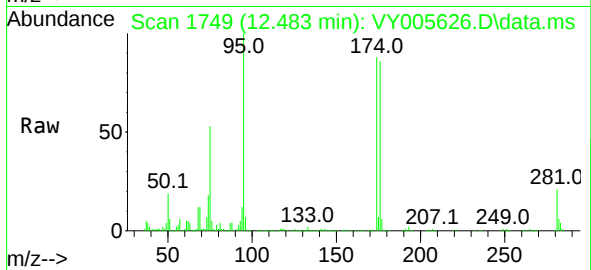
Tgt Ion:	75	Resp:	110042
Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0#



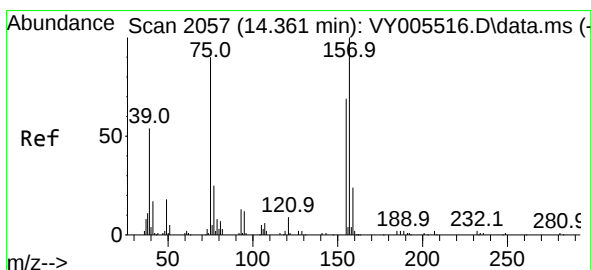
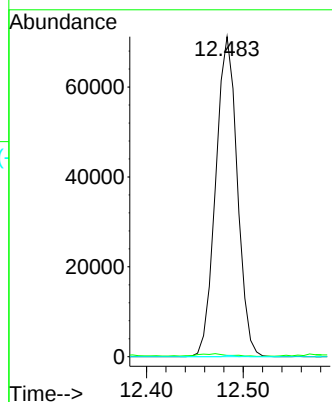
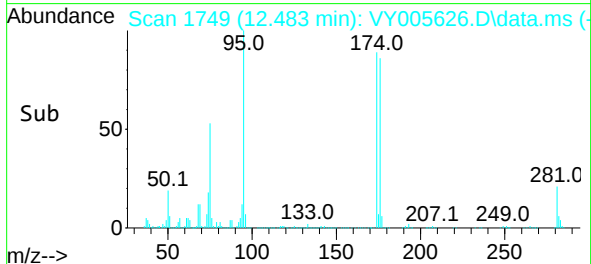


#81
trans-1,4-Dichloro-2-butene
Concen: 95.754 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38

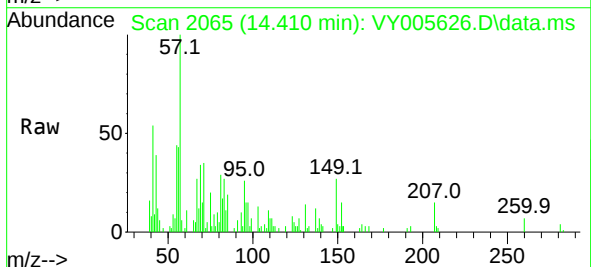
Instrument :
MSVOA_Y
ClientSampleId :
20210582-COM-5



Tgt Ion: 75 Resp: 110042
Ion Ratio Lower Upper
75 100
53 1.2 76.7 115.1#
89 0.2 38.4 57.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.844 ug/l
RT: 14.410 min Scan# 2065
Delta R.T. 0.049 min
Lab File: VY005626.D
Acq: 12 Aug 2021 16:38



Tgt Ion: 75 Resp: 1618
Ion Ratio Lower Upper
75 100
155 0.0 42.4 127.1#
157 0.0 56.0 168.2#

