

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072821\
 Data File : VY005499.D
 Acq On : 28 Jul 2021 19:00
 Operator : SY/MD
 Sample : M3216-03
 Misc : 10.69G/5ML/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20210486-72

Quant Time: Jul 29 05:35:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

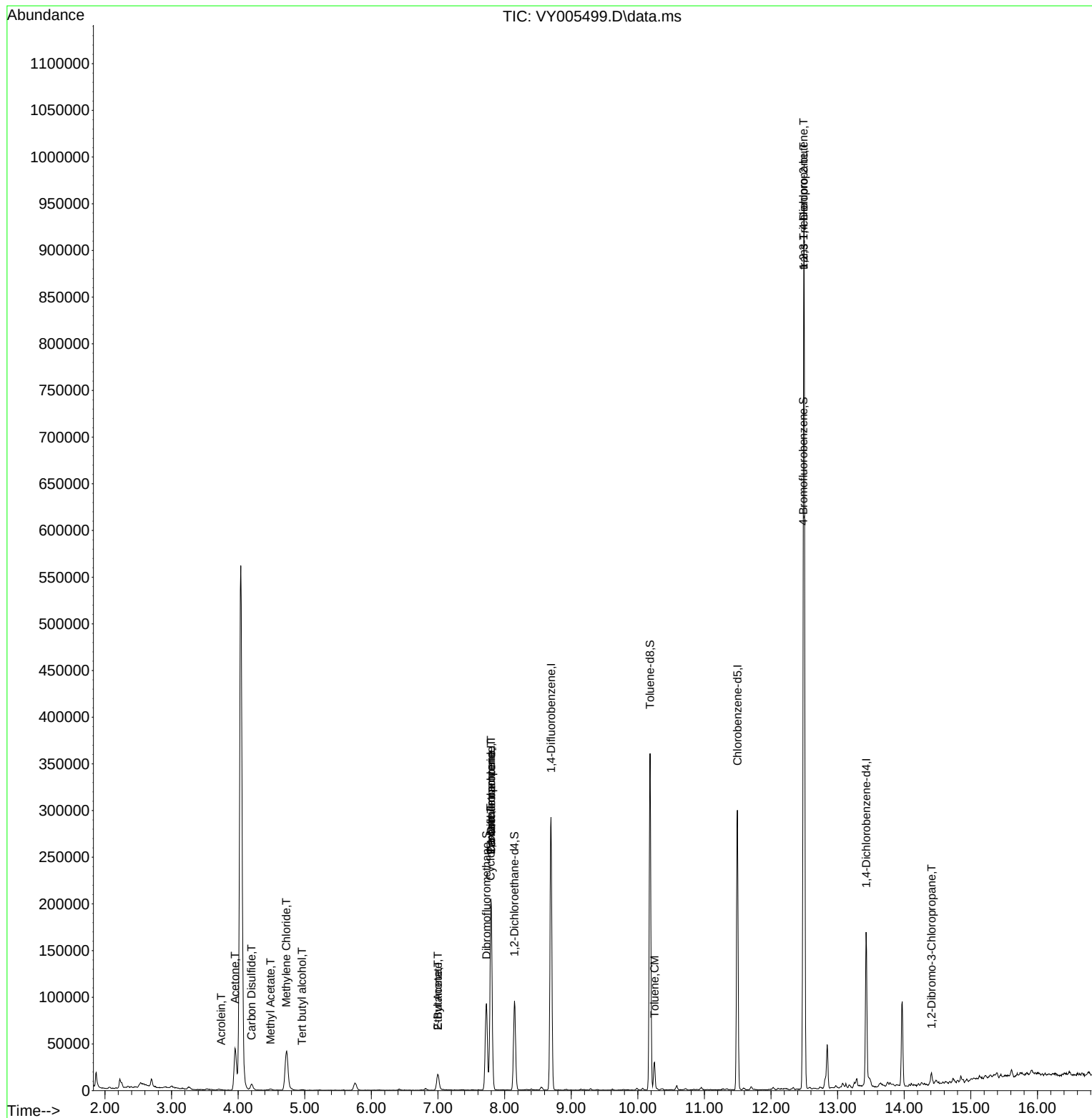
Internal Standards						
1) Pentafluorobenzene	7.795	168	165111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	243930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	158755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	42483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	76498	43.368	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.740%		
35) Dibromofluoromethane	7.728	113	62934	44.682	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.360%		
50) Toluene-d8	10.185	98	232907	39.015	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.040%		
62) 4-Bromofluorobenzene	12.483	95	48206	24.467	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	48.940%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	793	4.759	ug/l #	94
13) Acrolein	3.747	56	672	4.404	ug/l #	15
16) Acetone	3.954	43	77034	191.231	ug/l	98
17) Carbon Disulfide	4.198	76	11074	2.121	ug/l	99
18) Methyl Acetate	4.485	43	2489	2.198	ug/l	94
20) Methylene Chloride	4.722	84	32403	13.087	ug/l	98
25) 2-Butanone	6.996	43	26593	44.083	ug/l	99
31) Cyclohexane	7.789	56	3551	1.179	ug/l #	19
36) 1,1-Dichloropropene	7.795	75	11637	4.934	ug/l #	50
37) Ethyl Acetate	6.996	43	26593	18.522	ug/l #	72
38) Carbon Tetrachloride	7.795	117	14684	5.697	ug/l #	17
52) Toluene	10.252	92	12225	2.840	ug/l	96
76) 1,2,3-Trichloropropane	12.489	75	30223	72.300	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	30223	140.386	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.410	75	3346	30.848	ug/l #	1

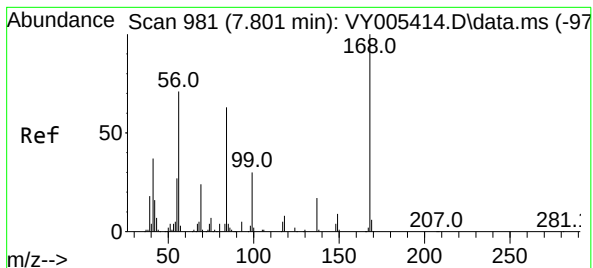
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY005499.D

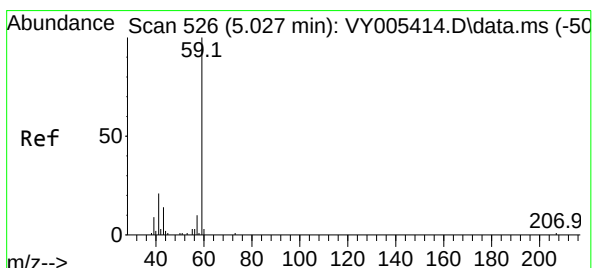
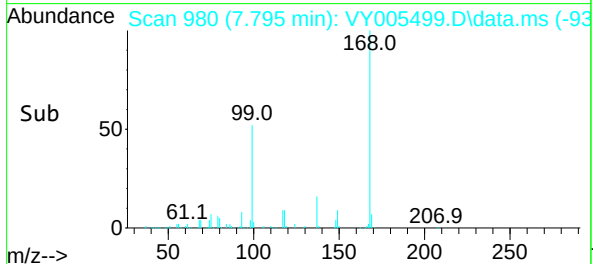
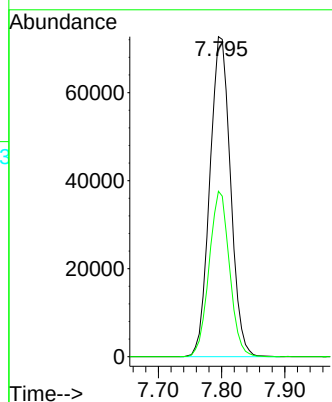
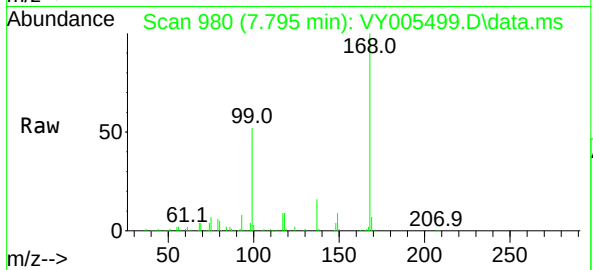
Acq: 28 Jul 2021 19:00

Tgt Ion:168 Resp: 165111

Ion Ratio Lower Upper

168 100

99 51.7 39.8 59.6



#11

Tert butyl alcohol

Concen: 4.759 ug/l

RT: 4.960 min Scan# 515

Delta R.T. -0.067 min

Lab File: VY005499.D

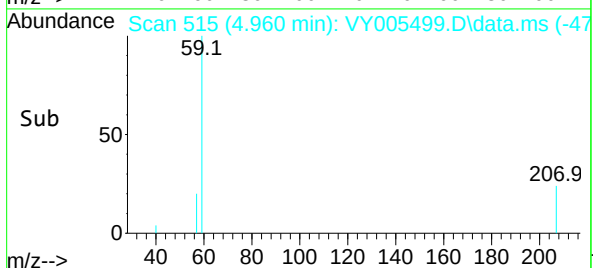
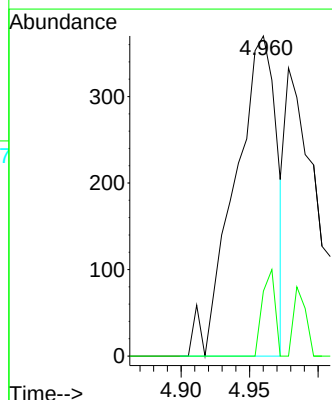
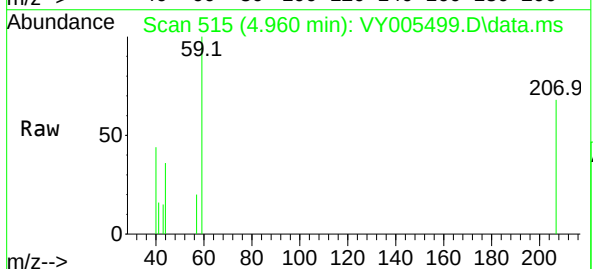
Acq: 28 Jul 2021 19:00

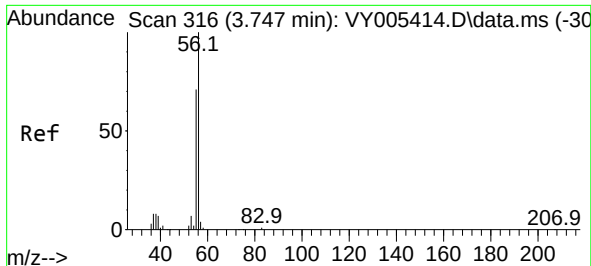
Tgt Ion: 59 Resp: 793

Ion Ratio Lower Upper

59 100

57 8.1 4.7 7.1#

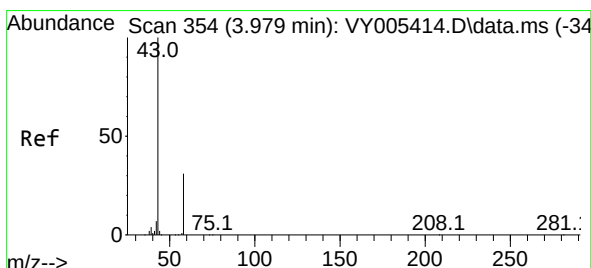
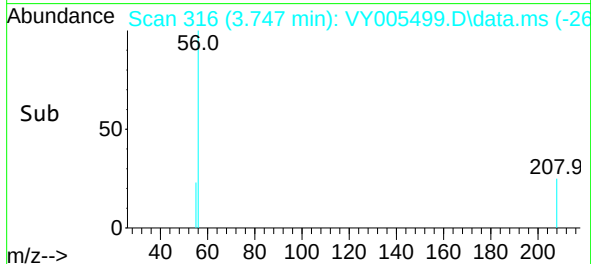
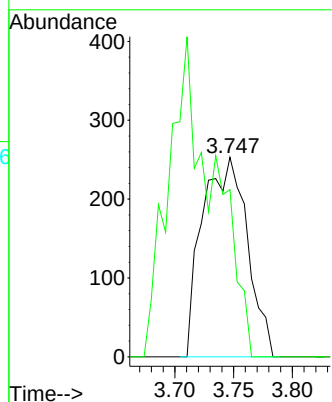
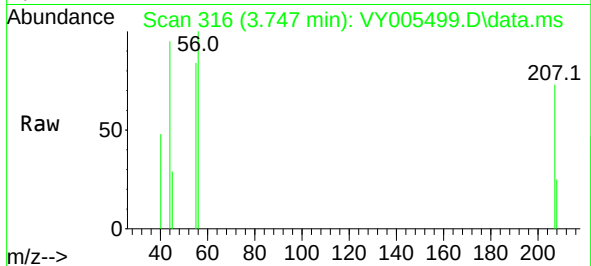




#13
Acrolein
Concen: 4.404 ug/l
RT: 3.747 min Scan# 316
Delta R.T. -0.000 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

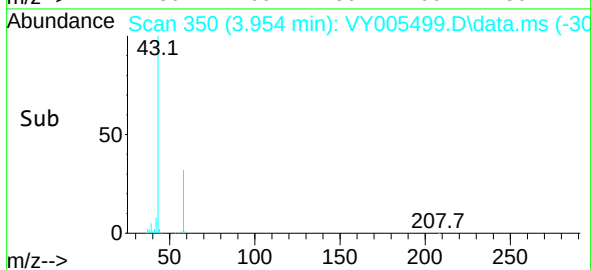
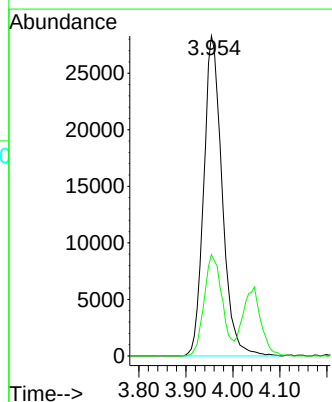
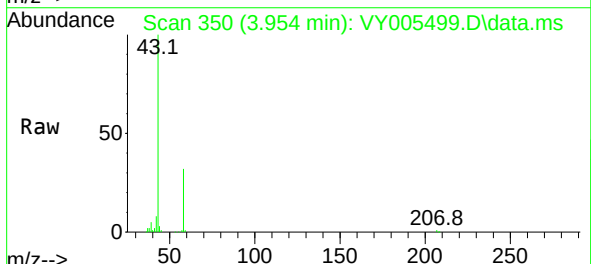
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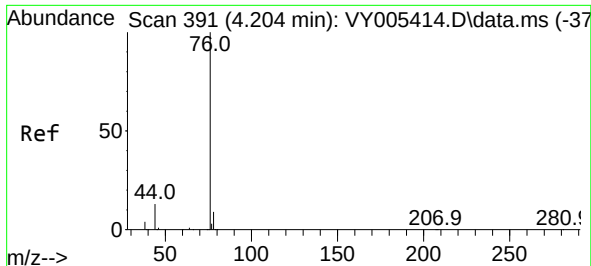
Tgt Ion: 56 Resp: 672
Ion Ratio Lower Upper
56 100
55 0.0 55.2 82.8#



#16
Acetone
Concen: 191.231 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.024 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

Tgt Ion: 43 Resp: 77034
Ion Ratio Lower Upper
43 100
58 31.6 24.5 36.7

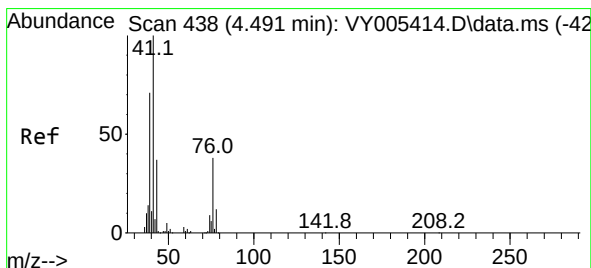
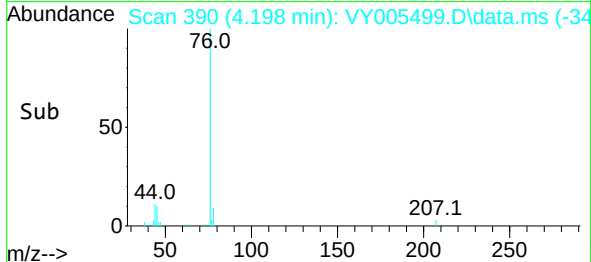
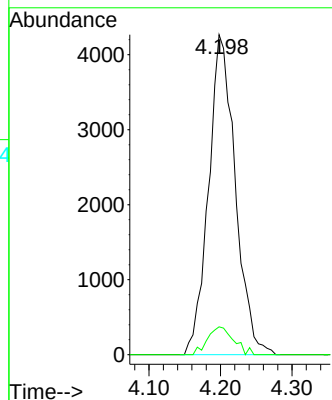
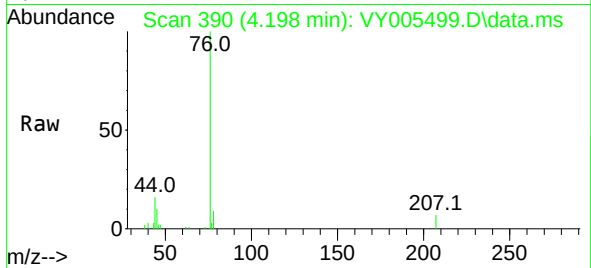




#17
Carbon Disulfide
Concen: 2.121 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

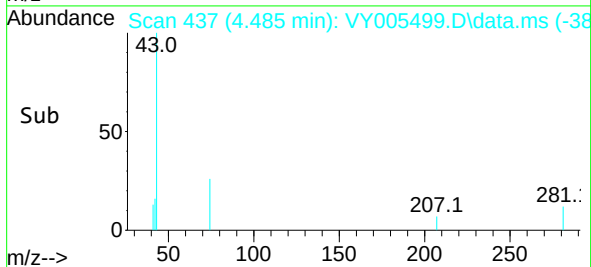
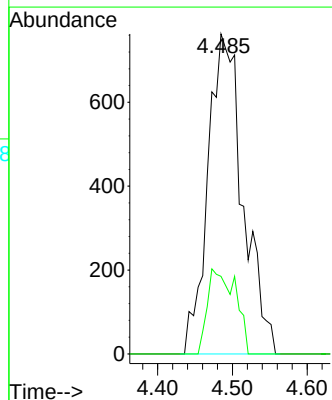
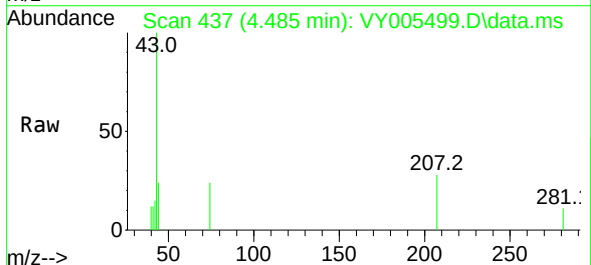
Instrument :
MSVOA_Y
ClientSampleId :
20210486-72

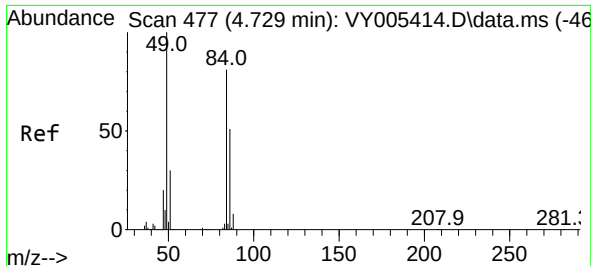
Tgt Ion: 76 Resp: 11074
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9



#18
Methyl Acetate
Concen: 2.198 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

Tgt Ion: 43 Resp: 2489
Ion Ratio Lower Upper
43 100
74 21.1 19.2 28.8





#20

Methylene Chloride

Concen: 13.087 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.007 min

Lab File: VY005499.D

Acq: 28 Jul 2021 19:00

Tgt Ion: 84 Resp: 32403

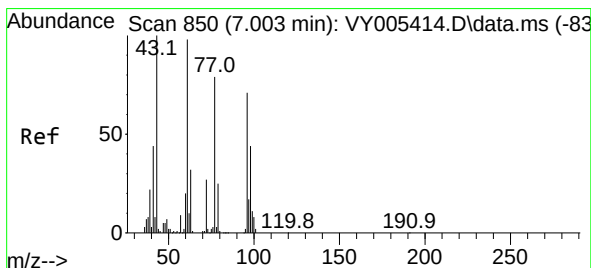
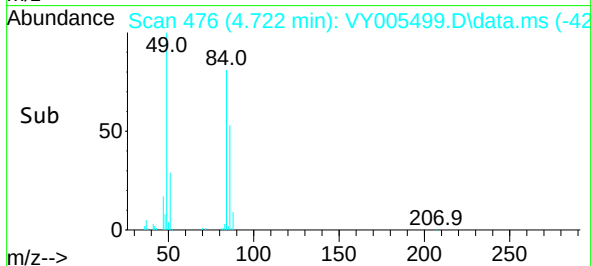
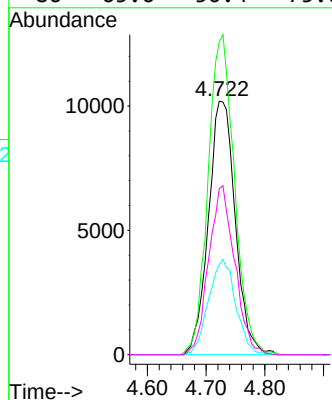
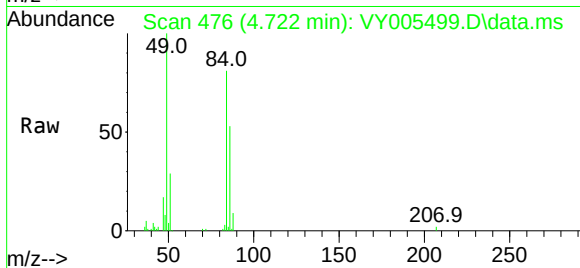
Ion Ratio Lower Upper

84 100

49 123.4 98.9 148.3

51 35.5 30.0 45.0

86 65.6 50.4 75.6



#25

2-Butanone

Concen: 44.083 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY005499.D

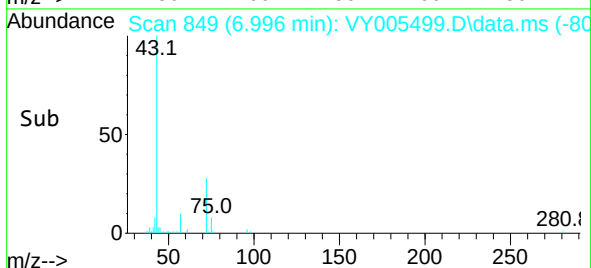
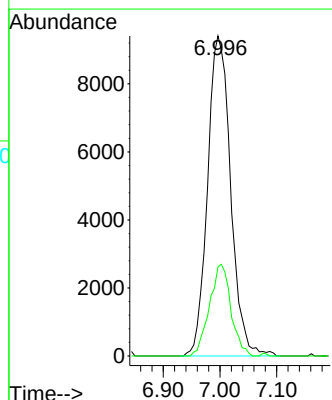
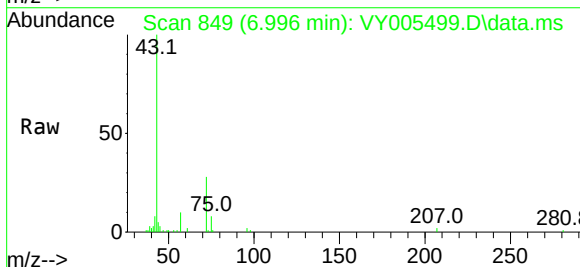
Acq: 28 Jul 2021 19:00

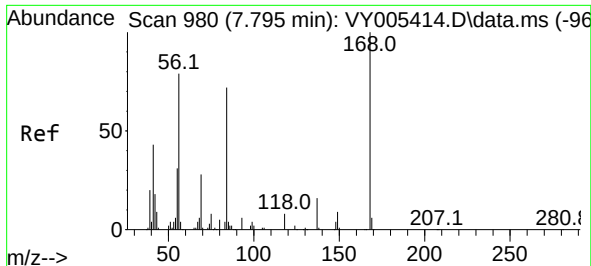
Tgt Ion: 43 Resp: 26593

Ion Ratio Lower Upper

43 100

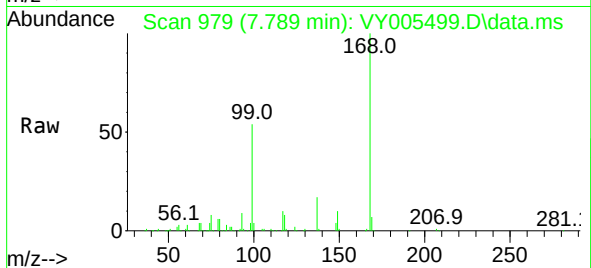
72 27.8 21.9 32.9



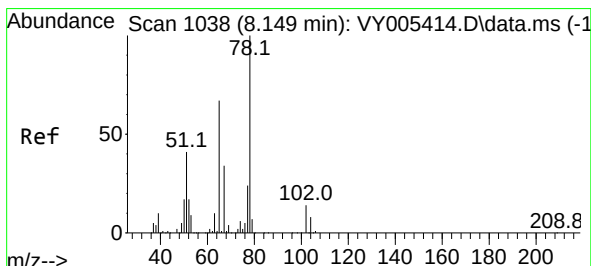
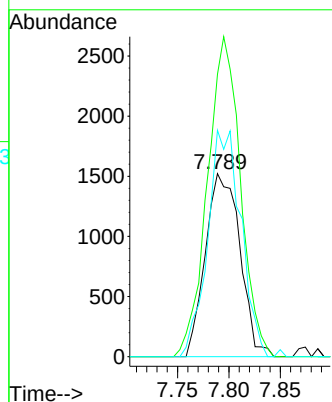
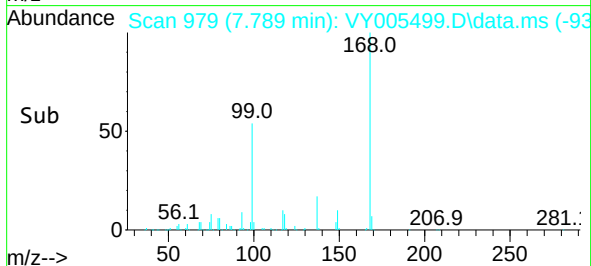


#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

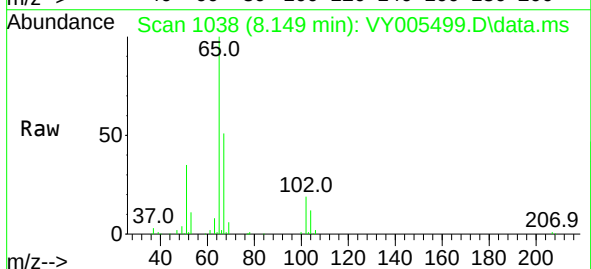
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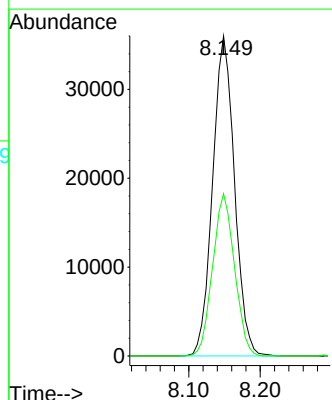
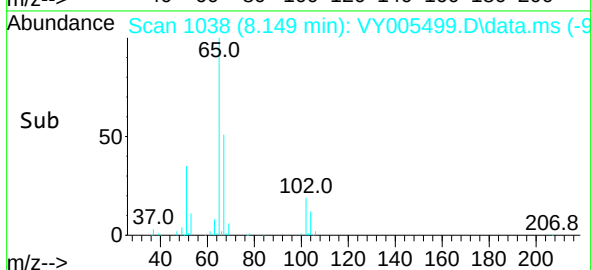
Tgt Ion: 56 Resp: 3551
Ion Ratio Lower Upper
56 100
69 154.3 28.7 43.1#
84 123.7 73.0 109.6#

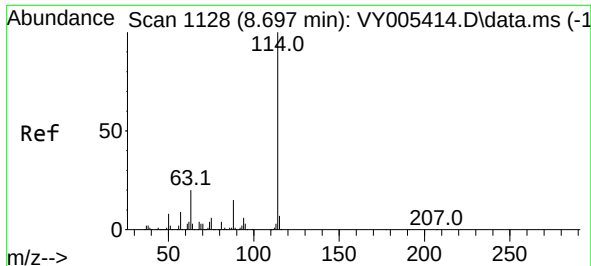


#33
1,2-Dichloroethane-d4
Concen: 43.368 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00



Tgt Ion: 65 Resp: 76498
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.2

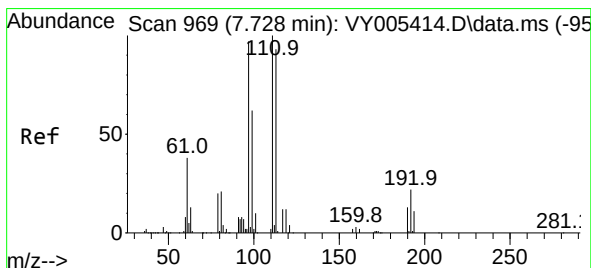
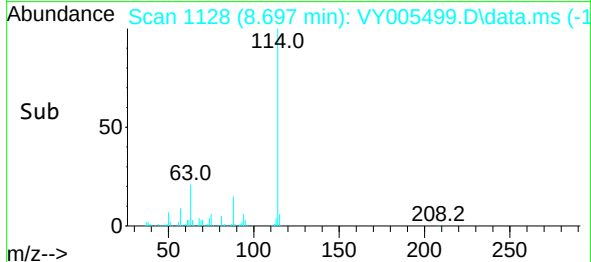
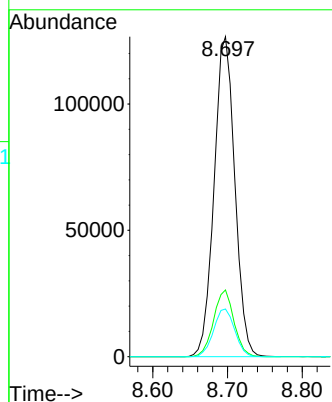
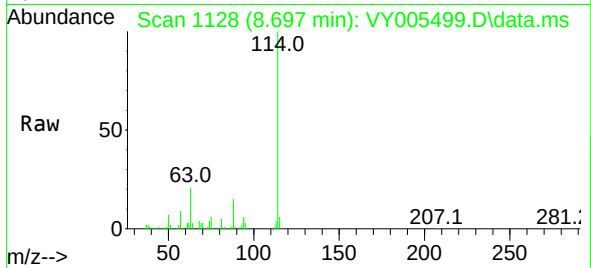




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

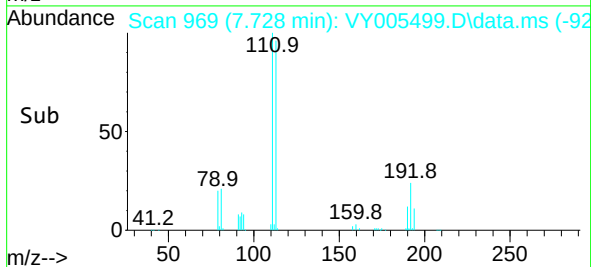
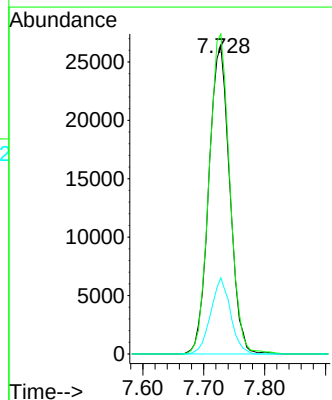
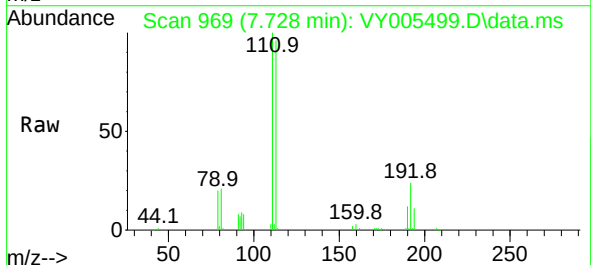
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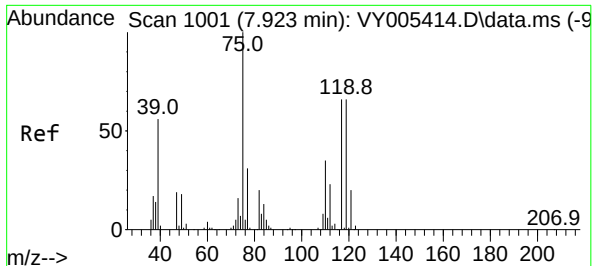
Tgt Ion:114 Resp: 243930
Ion Ratio Lower Upper
114 100
63 20.9 0.0 39.0
88 14.9 0.0 30.8



#35
Dibromofluoromethane
Concen: 44.682 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

Tgt Ion:113 Resp: 62934
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 23.3 18.9 28.3

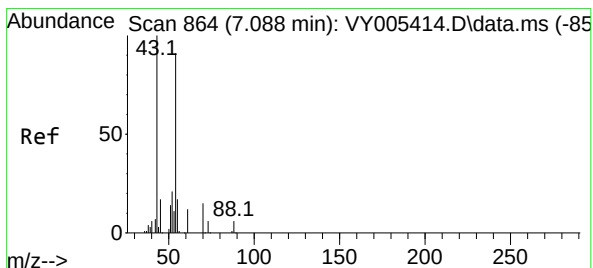
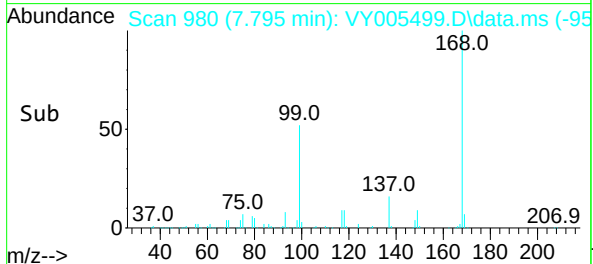
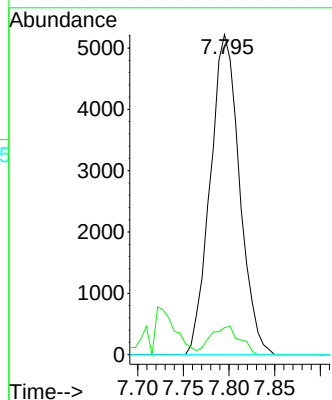
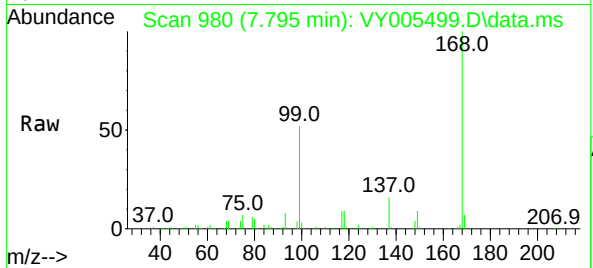




#36
1,1-Dichloropropene
Concen: 4.934 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

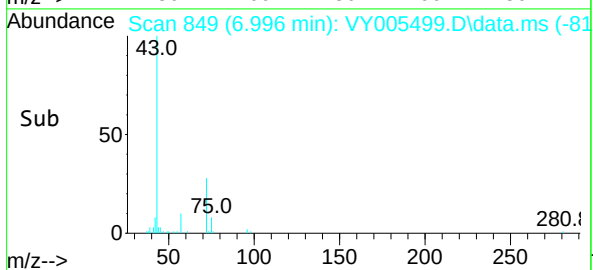
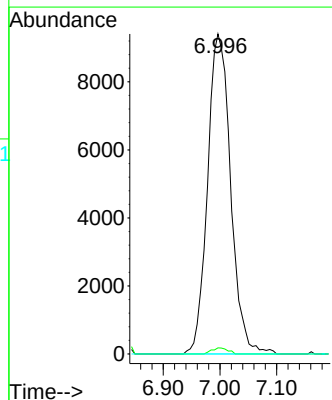
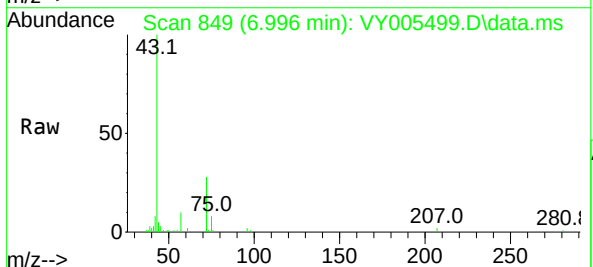
Instrument :
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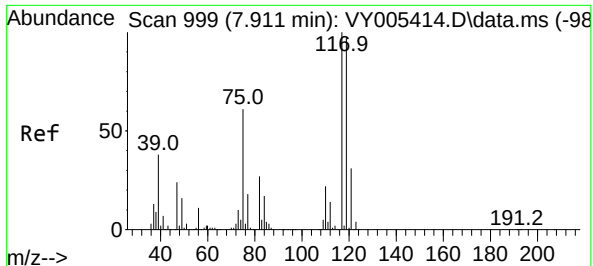
Tgt Ion: 75 Resp: 11637
Ion Ratio Lower Upper
75 100
110 8.8 17.6 52.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 18.522 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.092 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

Tgt Ion: 43 Resp: 26593
Ion Ratio Lower Upper
43 100
61 1.3 10.3 15.5#
70 0.0 7.9 11.9#

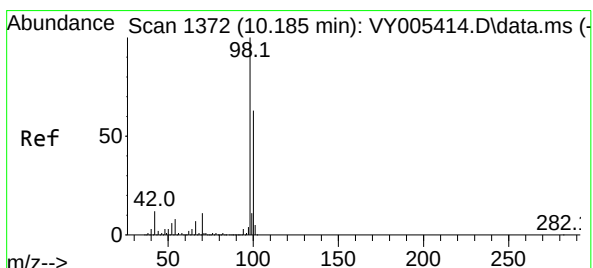
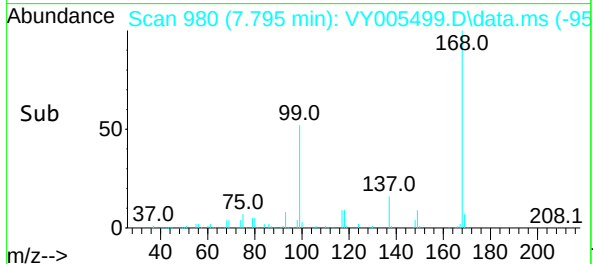
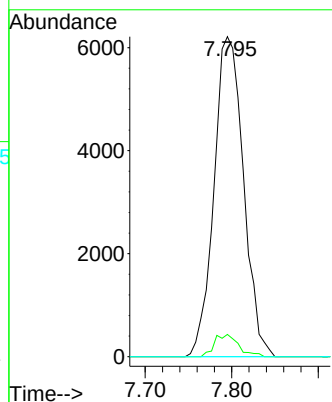
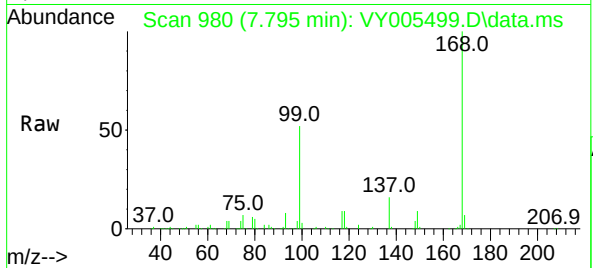




#38
Carbon Tetrachloride
Concen: 5.697 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

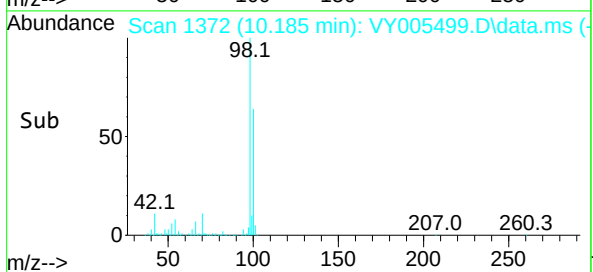
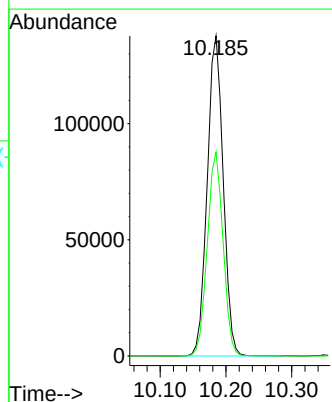
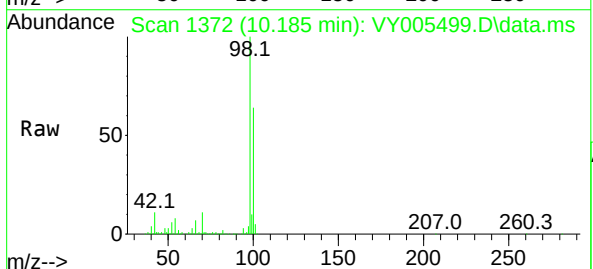
Instrument :
MSVOA_Y
ClientSampleId :
20210486-72

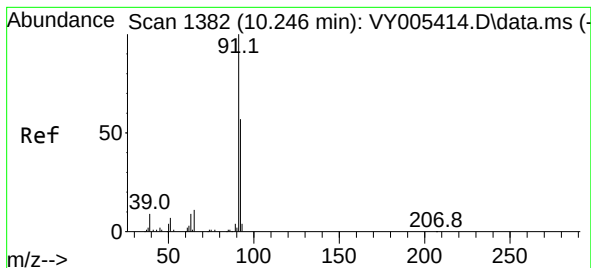
Tgt Ion:117 Resp: 14684
Ion Ratio Lower Upper
117 100
119 7.0 77.2 115.8#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 39.015 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

Tgt Ion: 98 Resp: 232907
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3





#52

Toluene

Concen: 2.840 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VY005499.D

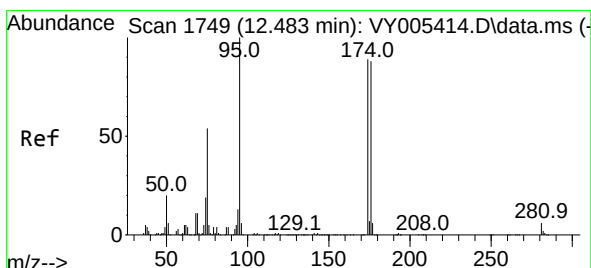
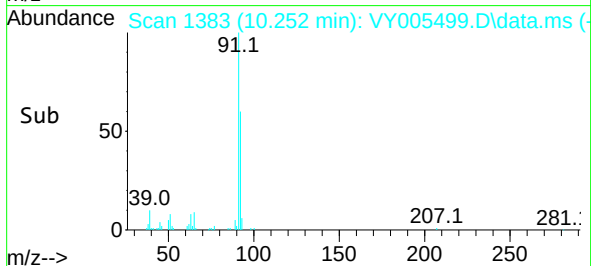
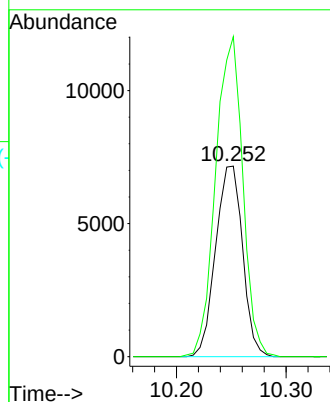
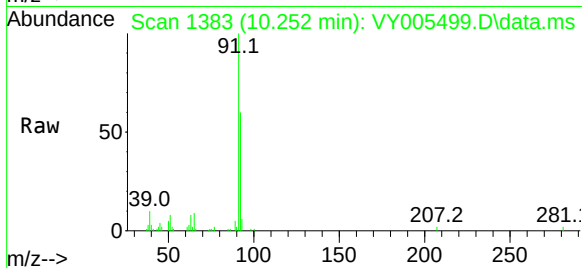
Acq: 28 Jul 2021 19:00

Tgt Ion: 92 Resp: 12225

Ion Ratio Lower Upper

92 100

91 169.1 140.1 210.1



#62

4-Bromofluorobenzene

Concen: 24.467 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY005499.D

Acq: 28 Jul 2021 19:00

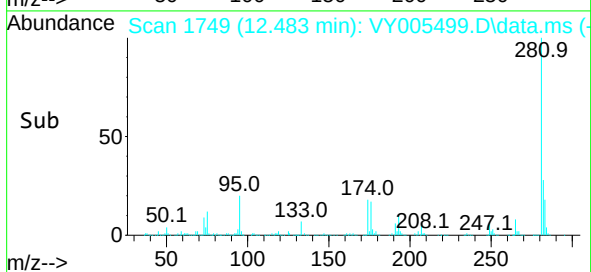
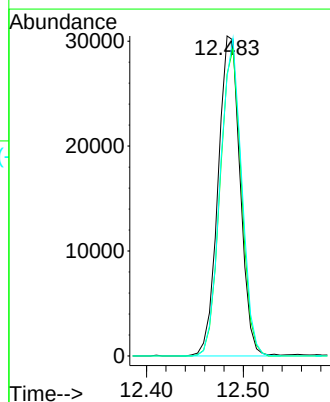
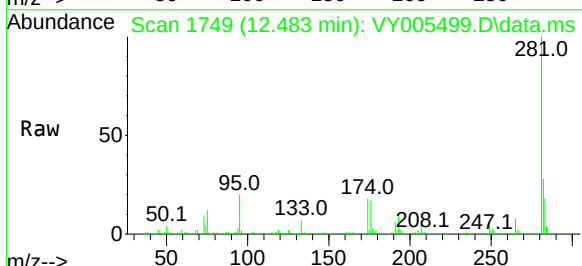
Tgt Ion: 95 Resp: 48206

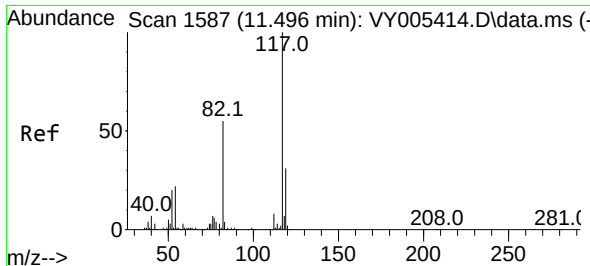
Ion Ratio Lower Upper

95 100

174 92.7 0.0 186.6

176 95.9 0.0 182.4

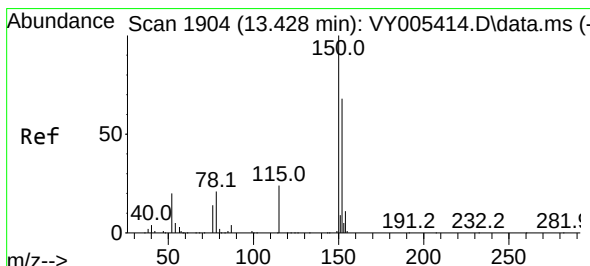
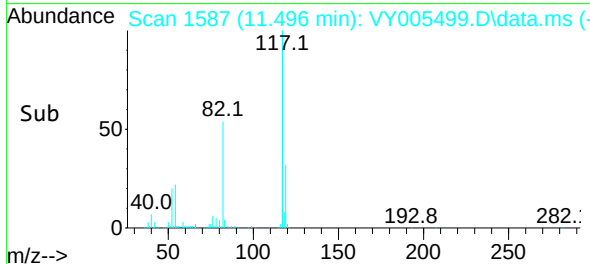
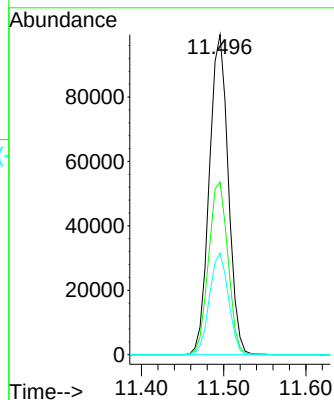
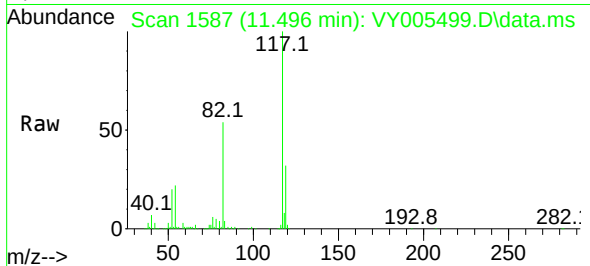




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

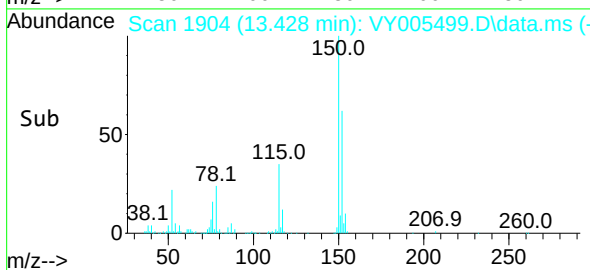
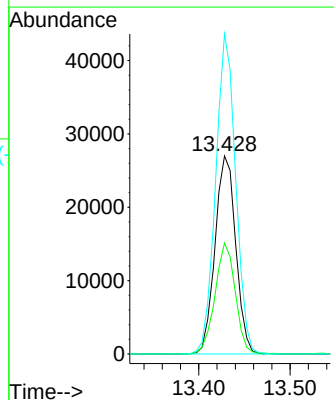
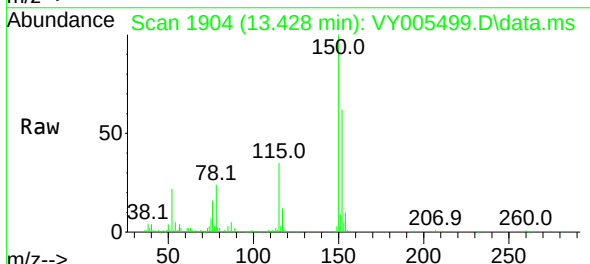
Instrument :
MSVOA_Y
ClientSampleId :
20210486-72

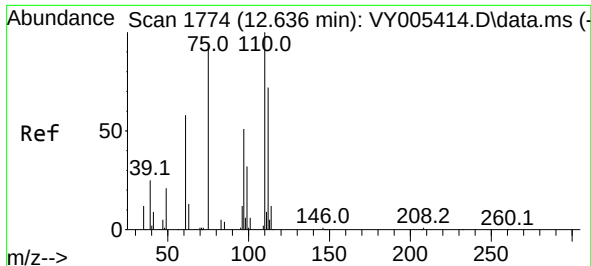
Tgt Ion:	117	Resp:	158755
Ion Ratio	Lower	Upper	
117	100		
82	53.9	43.8	65.6
119	31.7	24.8	37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

Tgt Ion:	152	Resp:	42483
Ion Ratio	Lower	Upper	
152	100		
115	55.0	27.7	83.1
150	156.3	0.0	349.6

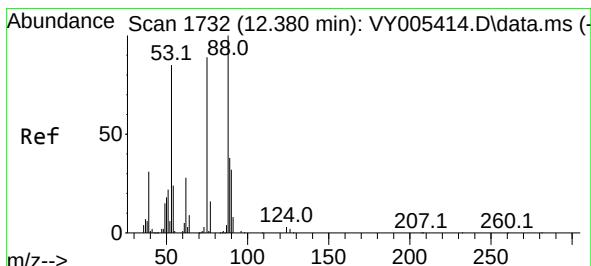
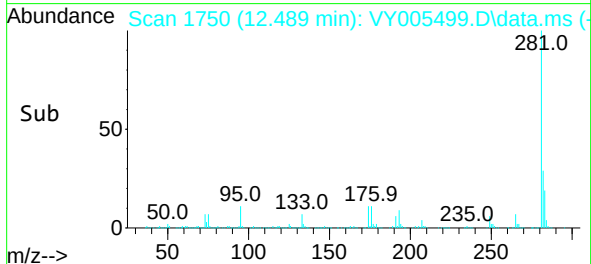
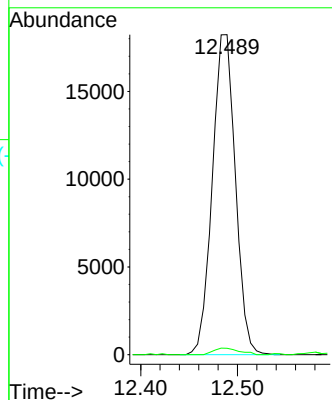
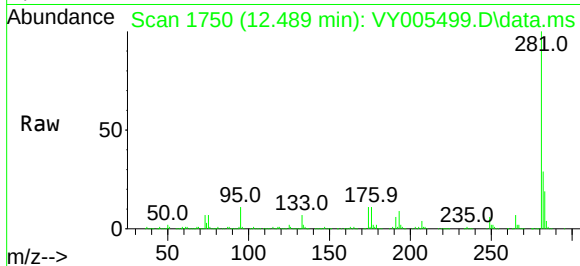




#76
1,2,3-Trichloropropane
Concen: 72.300 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

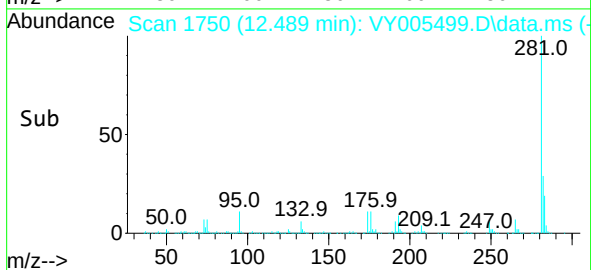
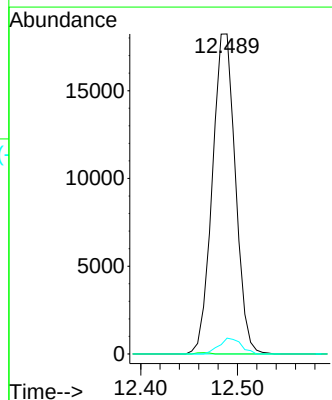
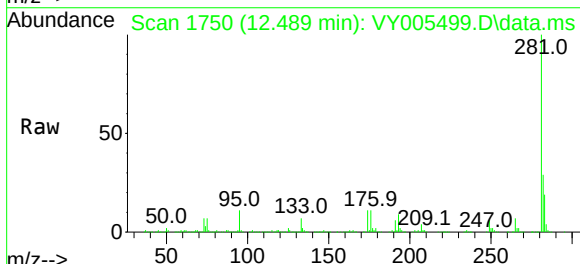
Instrument :
MSVOA_Y
ClientSampleId :
20210486-72

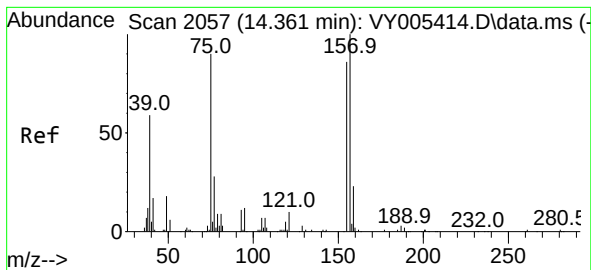
Tgt Ion: 75 Resp: 30223
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.386 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY005499.D
Acq: 28 Jul 2021 19:00

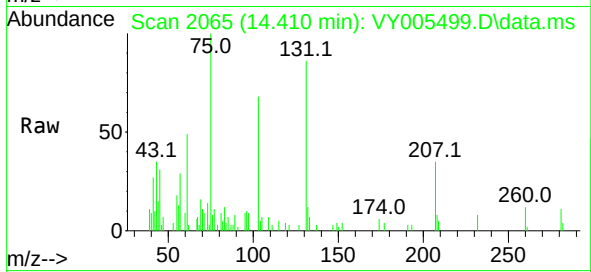
Tgt Ion: 75 Resp: 30223
Ion Ratio Lower Upper
75 100
53 0.0 76.1 114.1#
89 4.7 36.9 55.3#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 30.848 ug/l
 RT: 14.410 min Scan# 2065
 Delta R.T. 0.049 min
 Lab File: VY005499.D
 Acq: 28 Jul 2021 19:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 20210486-72



Tgt Ion: 75 Resp: 3346
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.6 130.8#
 157 0.0 54.1 162.3#

