

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072821\
 Data File : VY005498.D
 Acq On : 28 Jul 2021 18:37
 Operator : SY/MD
 Sample : M3216-02
 Misc : 8.50G/5ML/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20210492-78

Quant Time: Jul 29 05:35:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

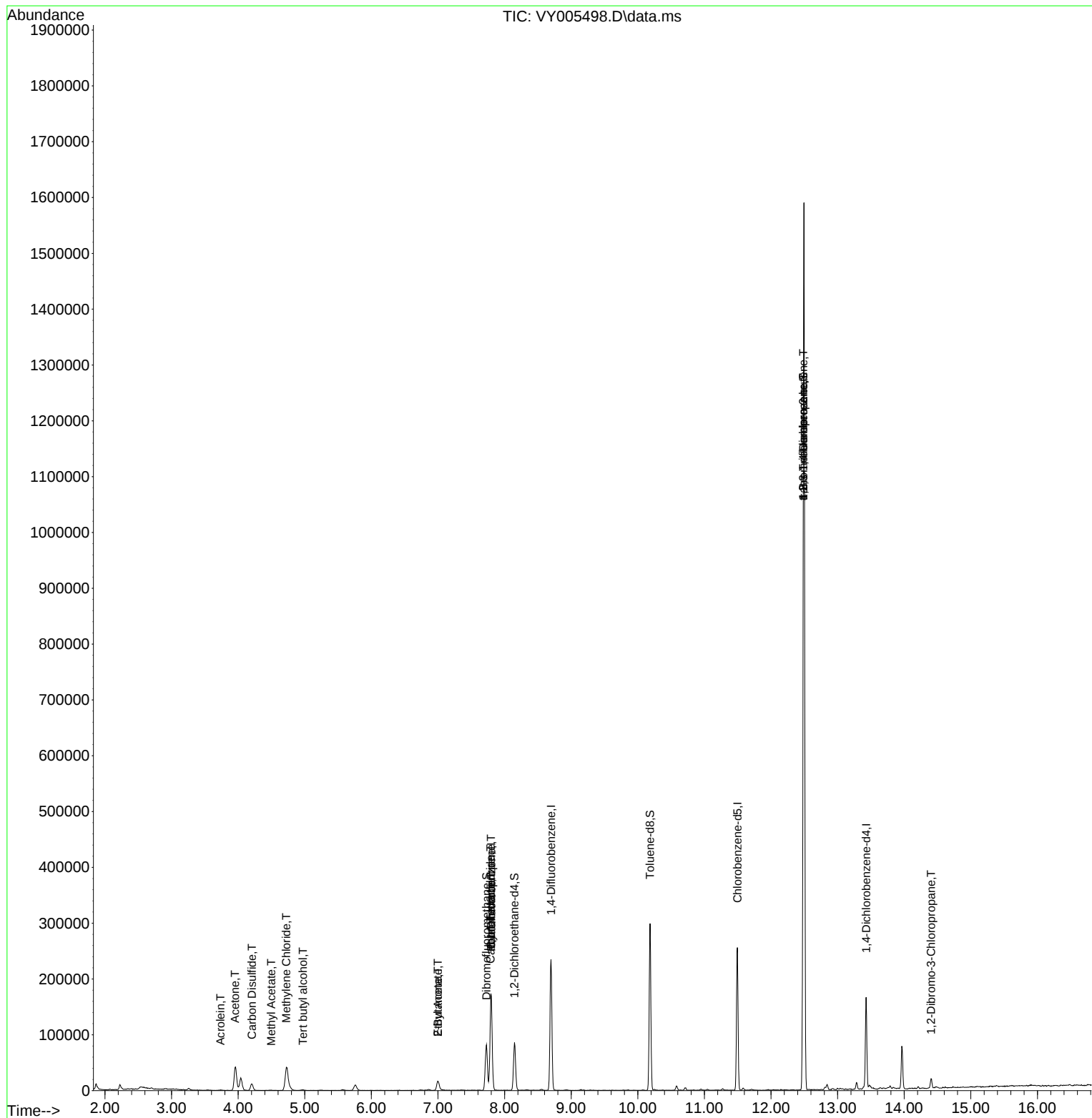
Internal Standards						
1) Pentafluorobenzene	7.801	168	139608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	200083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	137132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	41626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	68826	46.146	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.300%
35) Dibromofluoromethane	7.728	113	54831	47.461	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.920%
50) Toluene-d8	10.185	98	191452	39.099	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.200%
62) 4-Bromofluorobenzene	12.483	95	45638	28.240	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	56.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	2030	14.408	ug/l	97
13) Acrolein	3.735	56	671	5.201	ug/l #	57
16) Acetone	3.954	43	72924	214.098	ug/l	100
17) Carbon Disulfide	4.204	76	22691	5.141	ug/l	98
18) Methyl Acetate	4.497	43	1319	1.378	ug/l #	60
20) Methylene Chloride	4.722	84	30290	14.631	ug/l	96
25) 2-Butanone	6.996	43	25758	50.498	ug/l	99
31) Cyclohexane	7.795	56	2925	1.149	ug/l #	27
36) 1,1-Dichloropropene	7.795	75	10600	5.479	ug/l #	50
37) Ethyl Acetate	6.996	43	25758	21.872	ug/l #	70
38) Carbon Tetrachloride	7.789	117	12743	6.028	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	31938	77.975	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	31938	151.406	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.404	75	5185	48.786	ug/l #	1

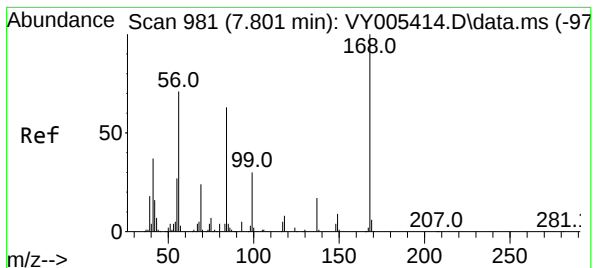
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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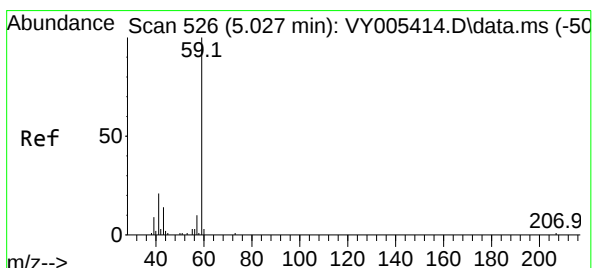
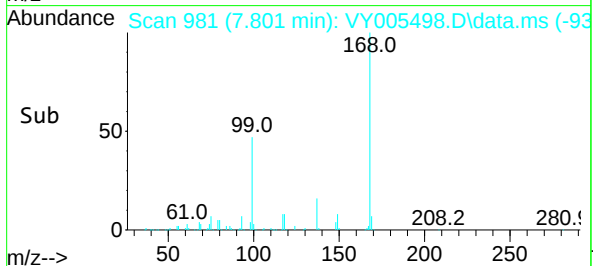
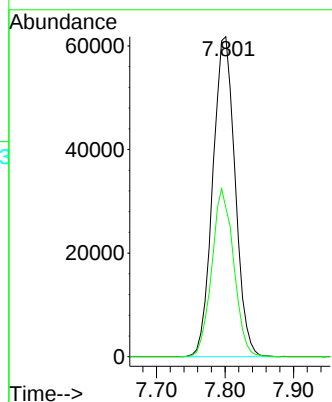
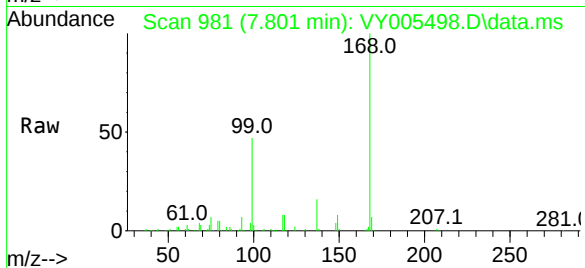




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

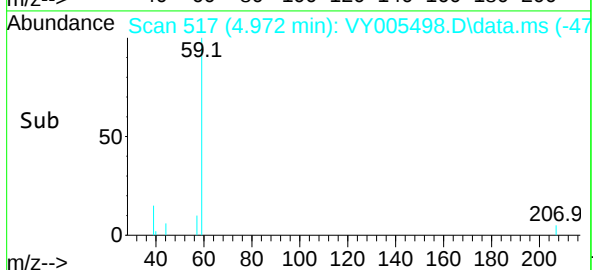
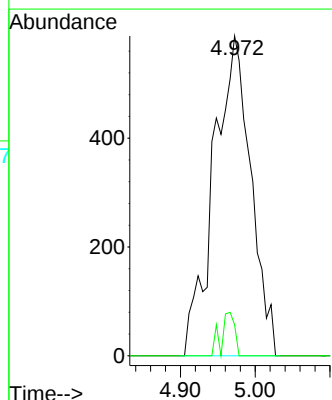
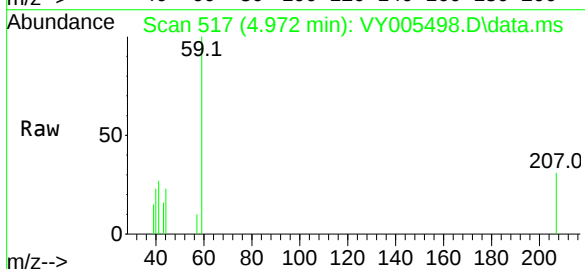
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MSVOA_Y
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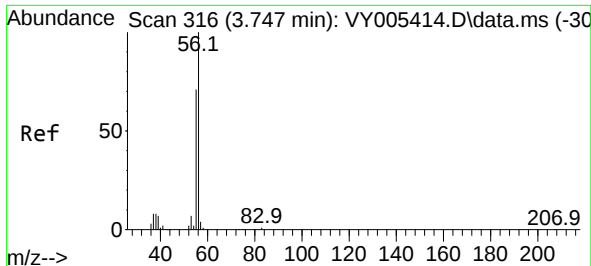
Tgt Ion:168 Resp: 139608
Ion Ratio Lower Upper
168 100
99 46.6 39.8 59.6



#11
Tert butyl alcohol
Concen: 14.408 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.055 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

Tgt Ion: 59 Resp: 2030
Ion Ratio Lower Upper
59 100
57 4.9 4.7 7.1

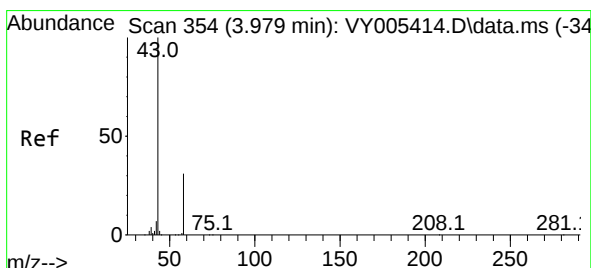
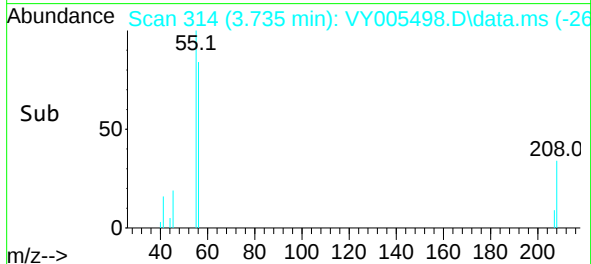
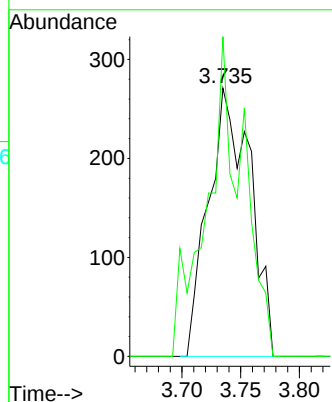
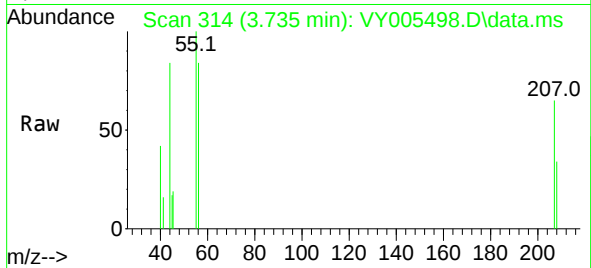




#13
Acrolein
Concen: 5.201 ug/l
RT: 3.735 min Scan# 314
Delta R.T. -0.012 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

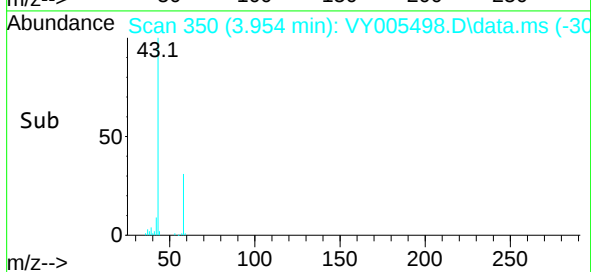
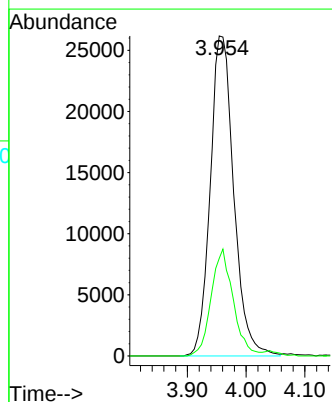
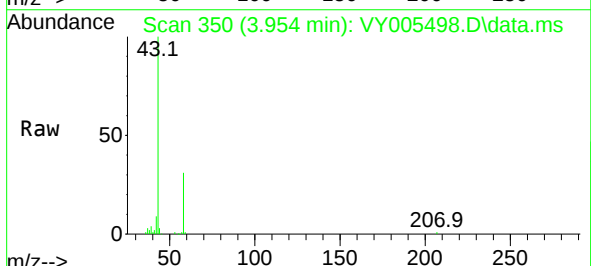
Instrument :
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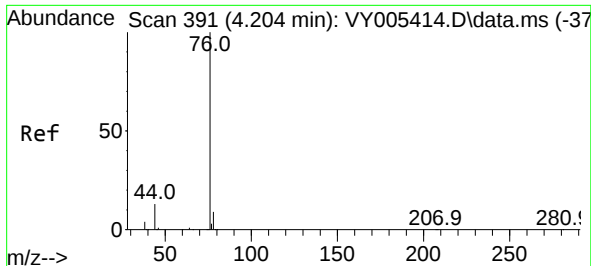
Tgt Ion: 56 Resp: 671
Ion Ratio Lower Upper
56 100
55 104.3 55.2 82.8#



#16
Acetone
Concen: 214.098 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.024 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

Tgt Ion: 43 Resp: 72924
Ion Ratio Lower Upper
43 100
58 30.5 24.5 36.7

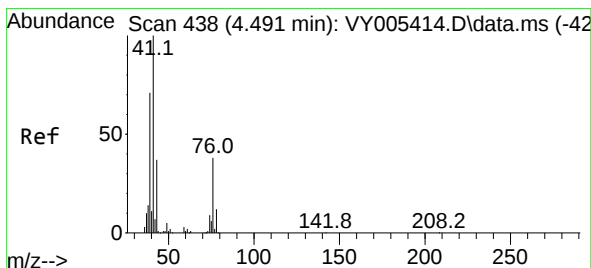
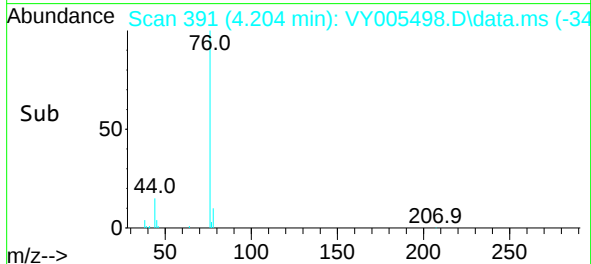
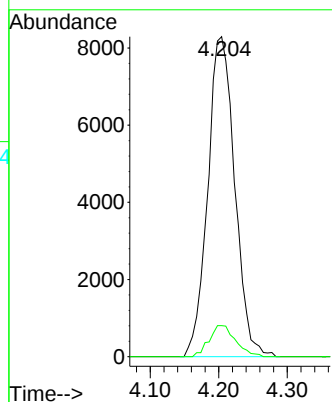
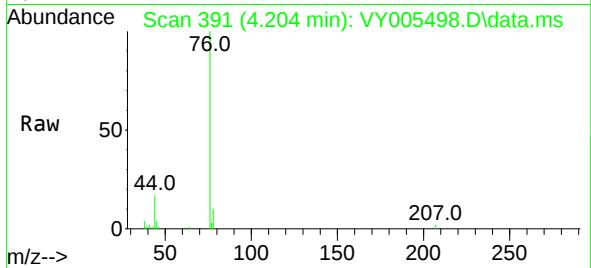




#17
Carbon Disulfide
Concen: 5.141 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

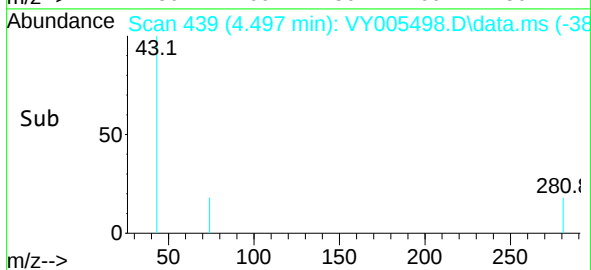
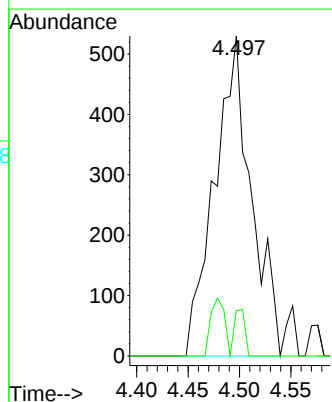
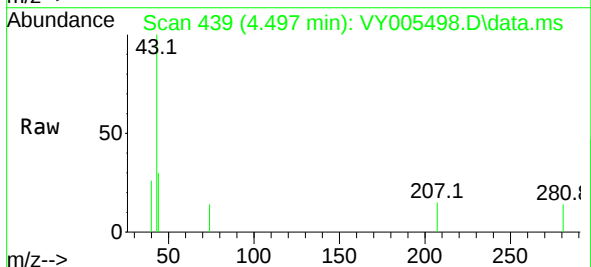
Instrument :
MSVOA_Y
ClientSampleId :
20210492-78

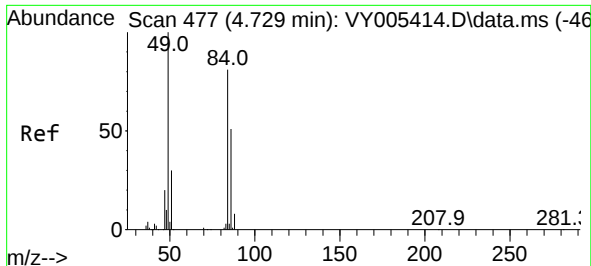
Tgt Ion: 76 Resp: 22691
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9



#18
Methyl Acetate
Concen: 1.378 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
74 4.2 19.2 28.8#





#20

Methylene Chloride

Concen: 14.631 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.007 min

Lab File: VY005498.D

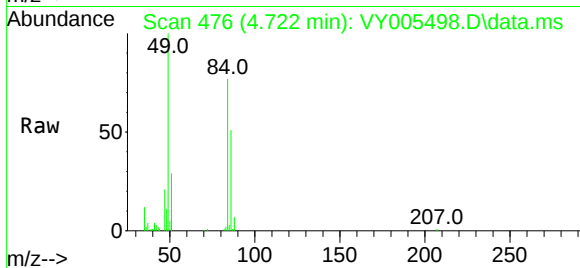
Acq: 28 Jul 2021 18:37

Instrument :

MSVOA_Y

ClientSampleId :

20210492-78



Tgt Ion: 84 Resp: 30290

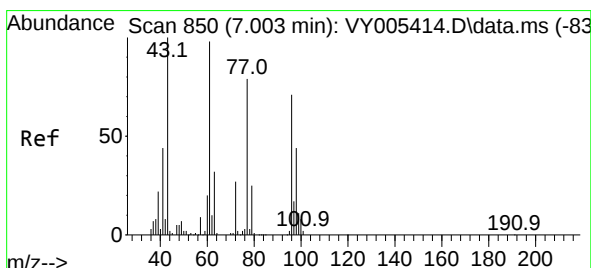
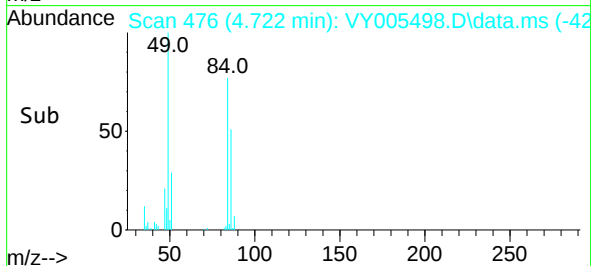
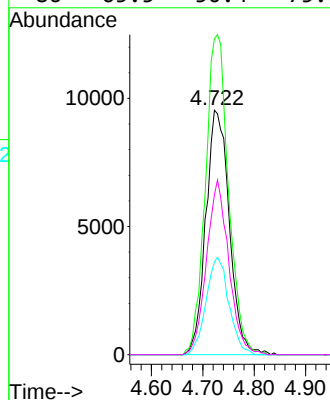
Ion Ratio Lower Upper

84 100

49 129.2 98.9 148.3

51 38.0 30.0 45.0

86 65.5 50.4 75.6



#25

2-Butanone

Concen: 50.498 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY005498.D

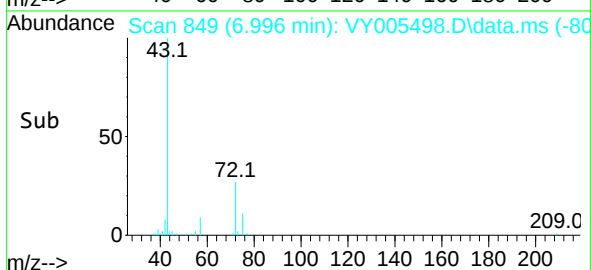
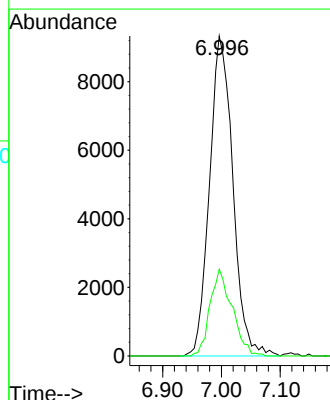
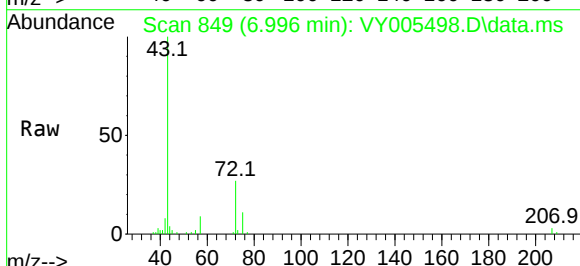
Acq: 28 Jul 2021 18:37

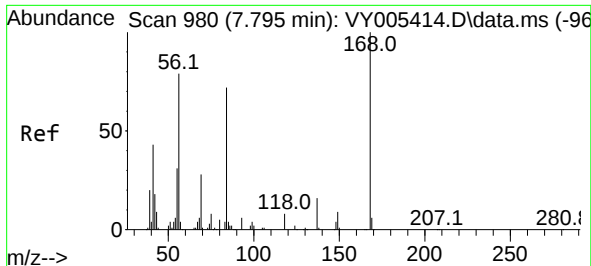
Tgt Ion: 43 Resp: 25758

Ion Ratio Lower Upper

43 100

72 27.1 21.9 32.9

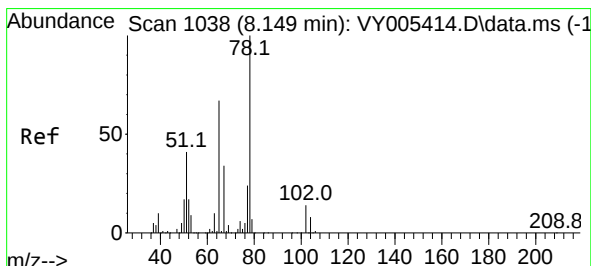
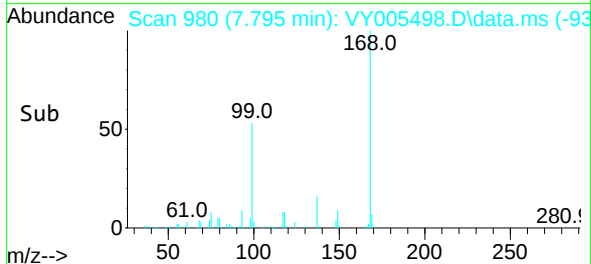
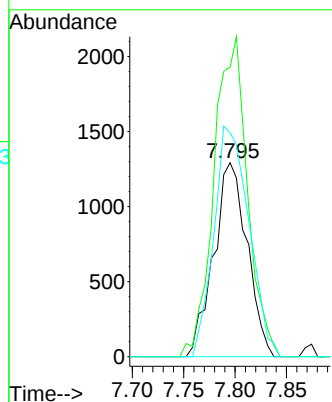
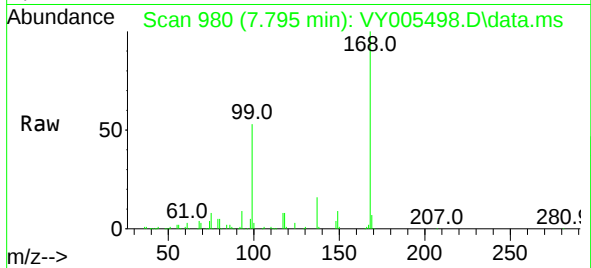




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

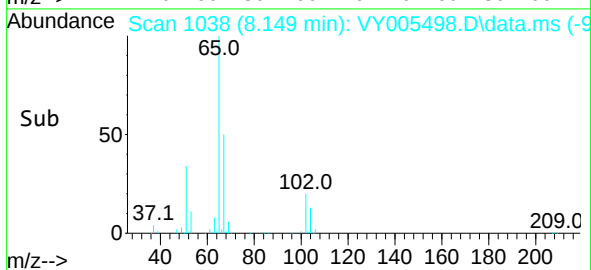
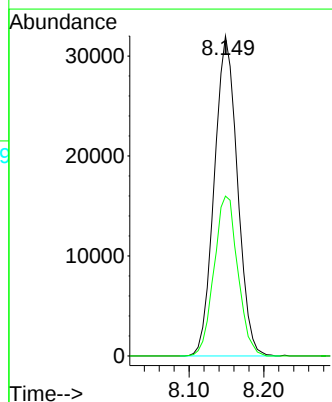
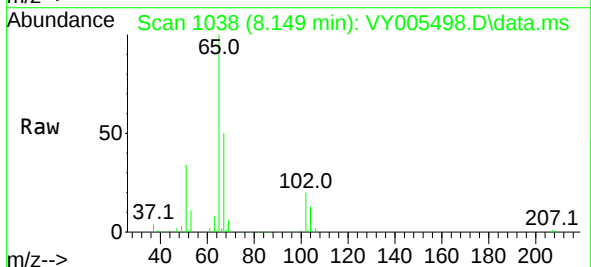
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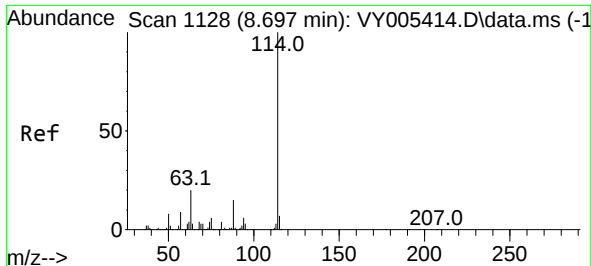
Tgt Ion: 56 Resp: 2925
Ion Ratio Lower Upper
56 100
69 149.4 28.7 43.1#
84 115.5 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 46.146 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

Tgt Ion: 65 Resp: 68826
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.2

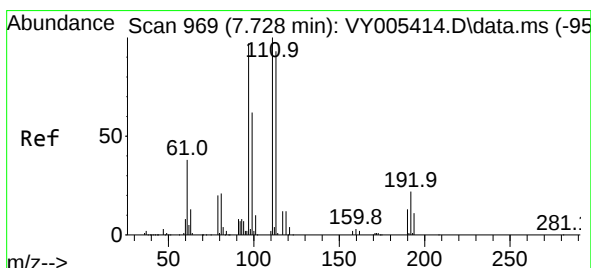
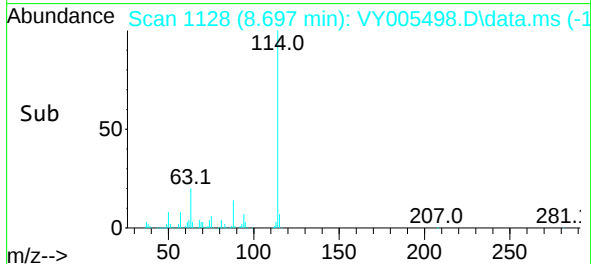
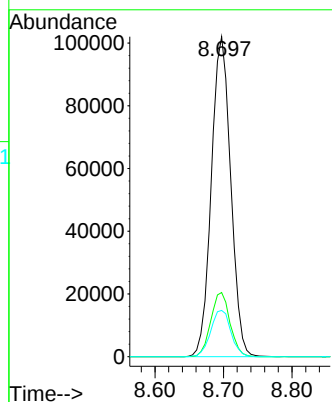
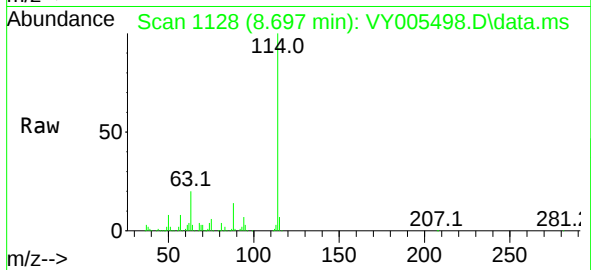




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

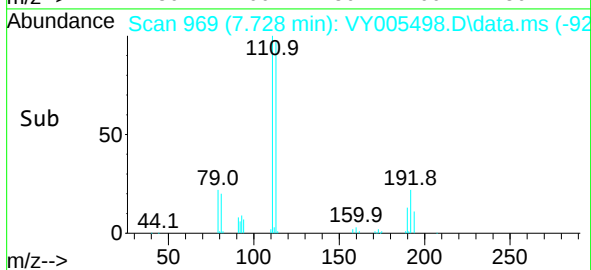
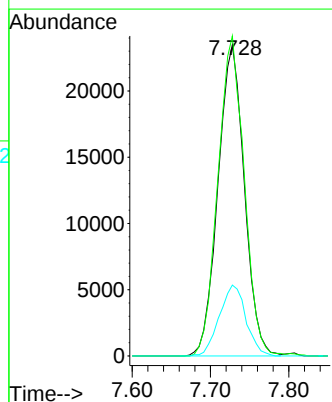
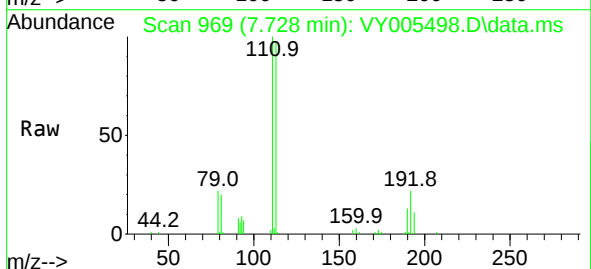
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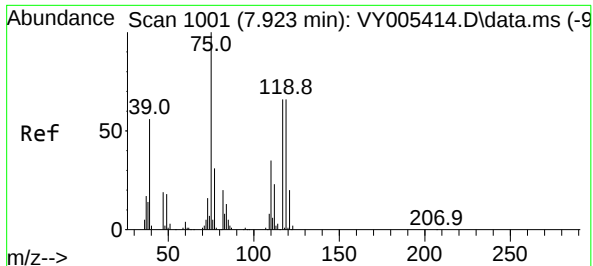
Tgt Ion:114 Resp: 200083
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.0
88 14.5 0.0 30.8



#35
Dibromofluoromethane
Concen: 47.461 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

Tgt Ion:113 Resp: 54831
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 23.0 18.9 28.3

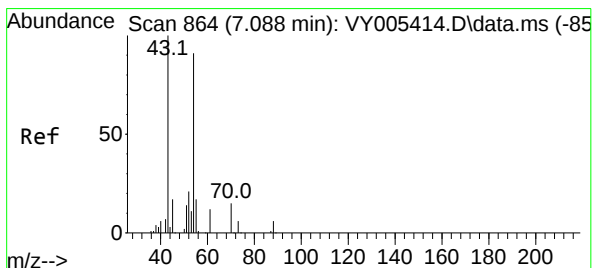
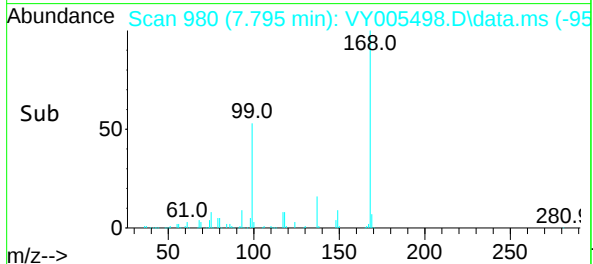
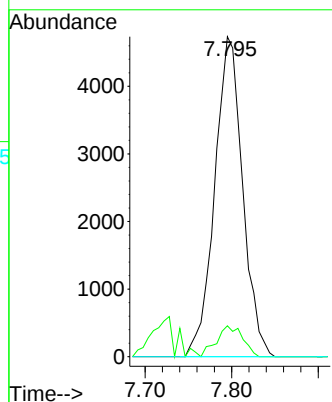
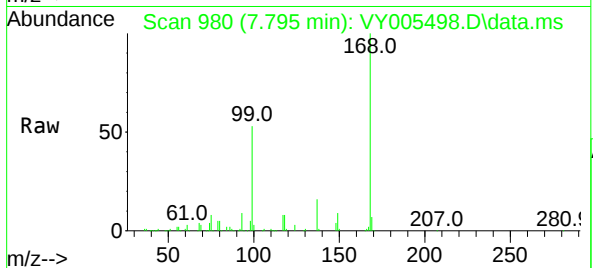




#36
1,1-Dichloropropene
Concen: 5.479 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

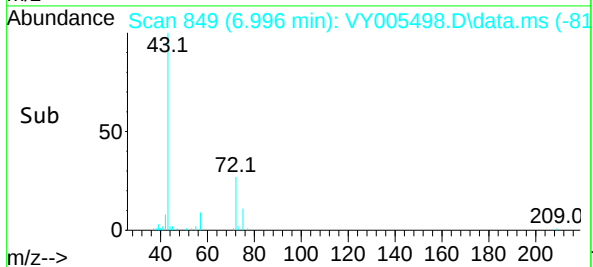
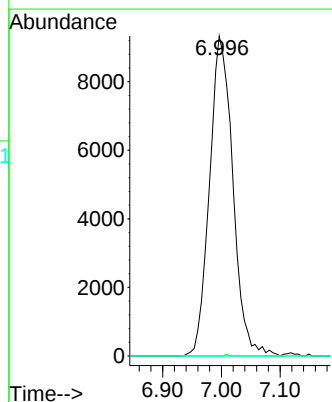
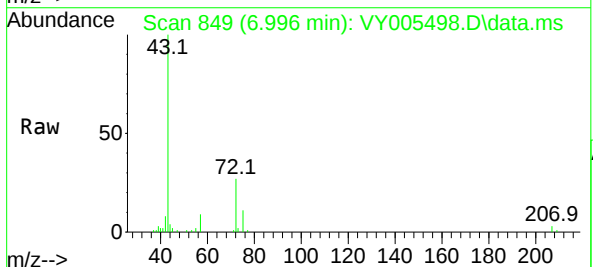
Instrument :
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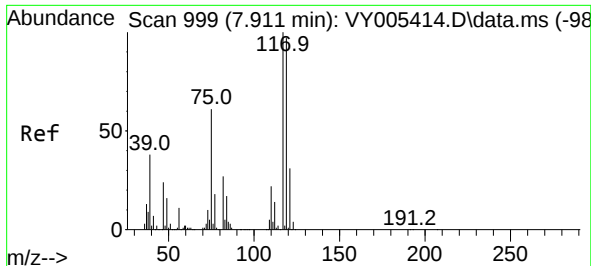
Tgt Ion: 75 Resp: 10600
Ion Ratio Lower Upper
75 100
110 9.0 17.6 52.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 21.872 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.091 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

Tgt Ion: 43 Resp: 25758
Ion Ratio Lower Upper
43 100
61 0.1 10.3 15.5#
70 0.0 7.9 11.9#

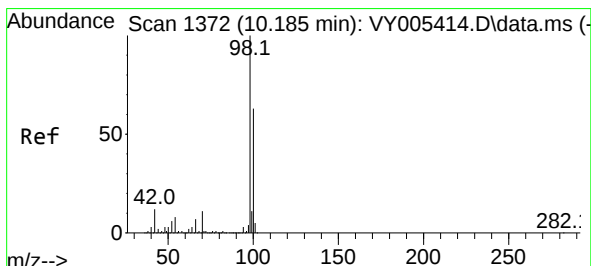
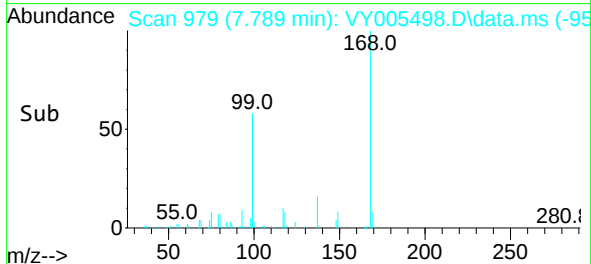
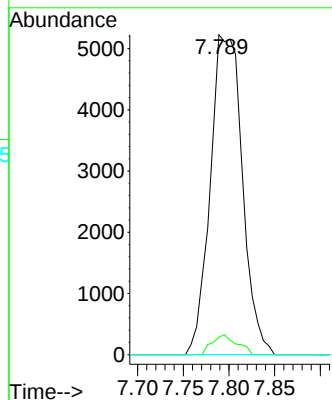
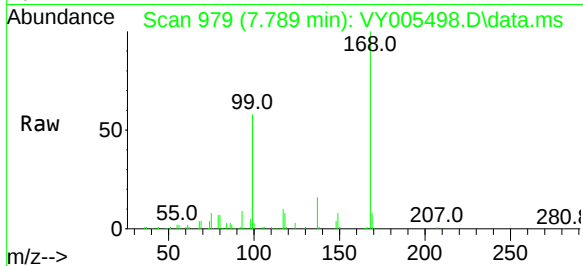




#38
Carbon Tetrachloride
Concen: 6.028 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

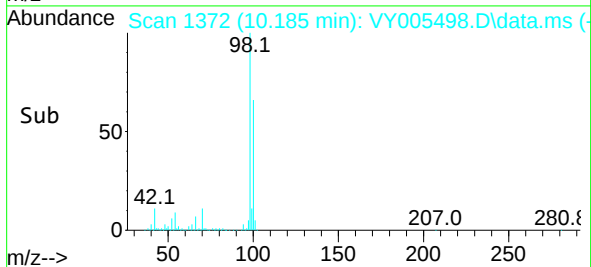
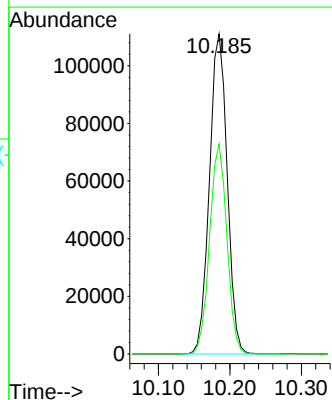
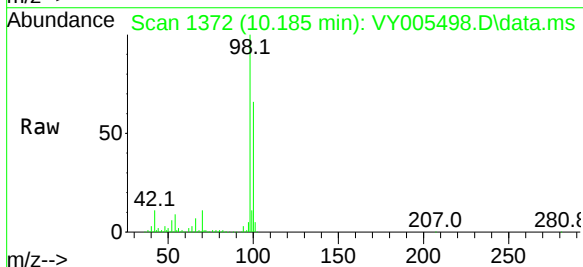
Instrument :
MSVOA_Y
ClientSampleId :
20210492-78

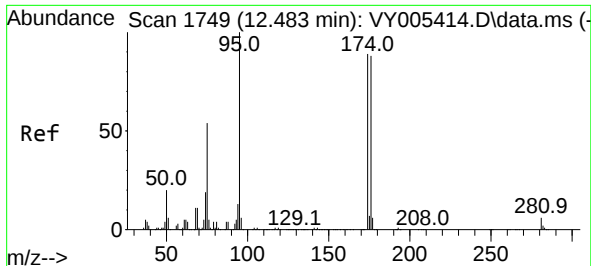
Tgt Ion:117 Resp: 12743
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 39.099 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

Tgt Ion: 98 Resp: 191452
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3

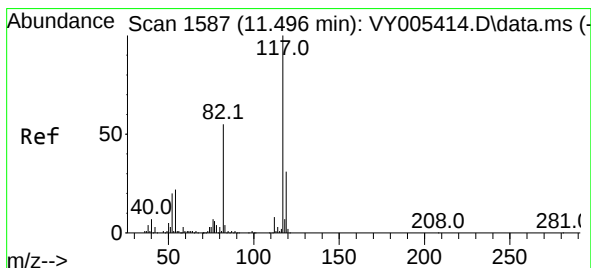
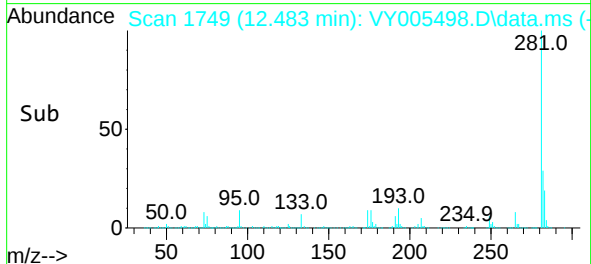
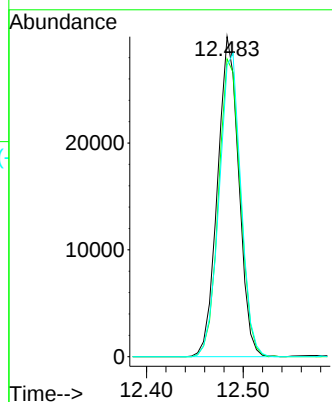
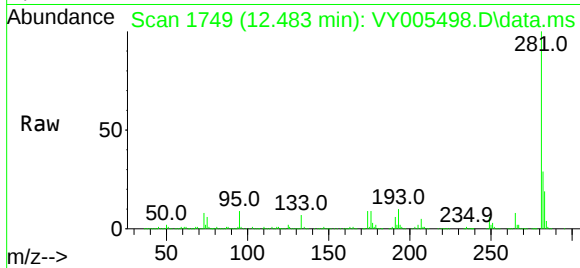




#62
4-Bromofluorobenzene
Concen: 28.240 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

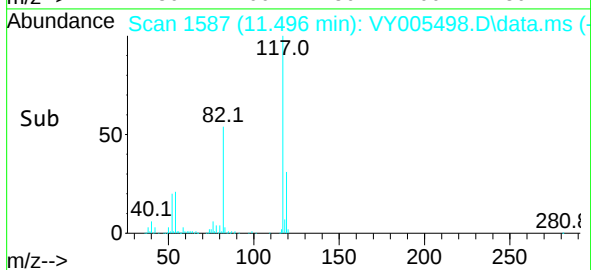
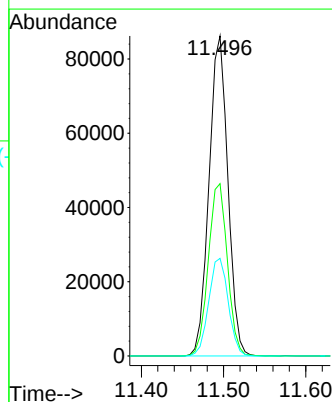
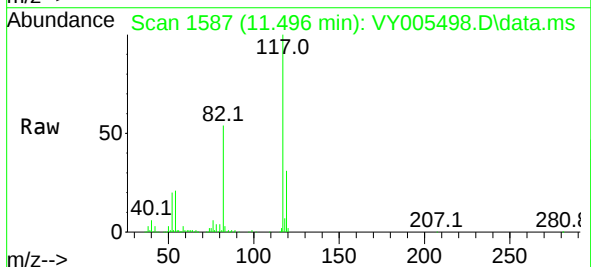
Instrument :
MSVOA_Y
ClientSampleId :
20210492-78

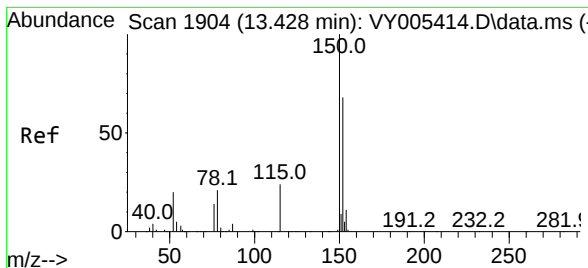
Tgt Ion: 95 Resp: 45638
Ion Ratio Lower Upper
95 100
174 95.5 0.0 186.6
176 96.7 0.0 182.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

Tgt Ion: 117 Resp: 137132
Ion Ratio Lower Upper
117 100
82 53.9 43.8 65.6
119 30.5 24.8 37.2

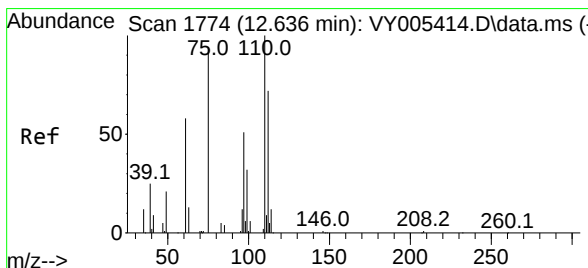
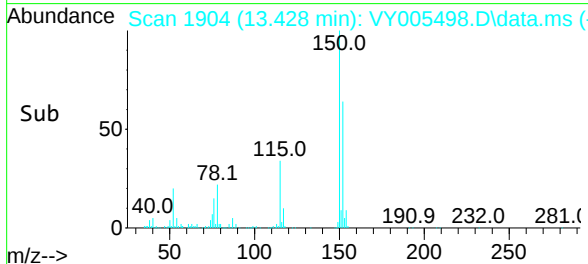
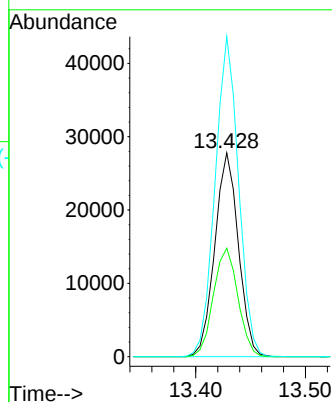
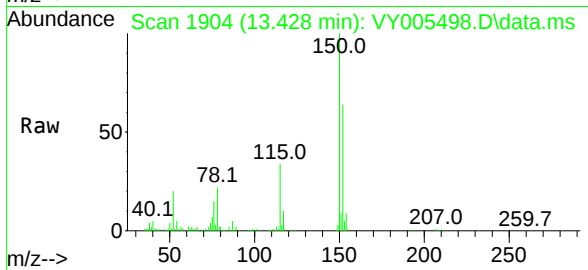




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY005498.D
 Acq: 28 Jul 2021 18:37

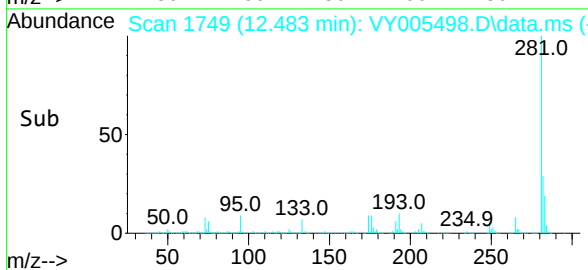
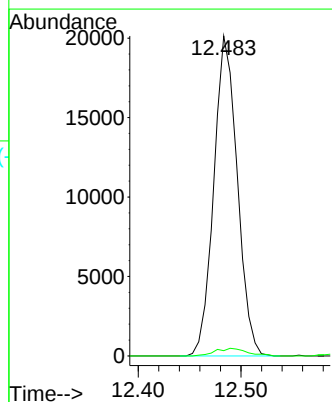
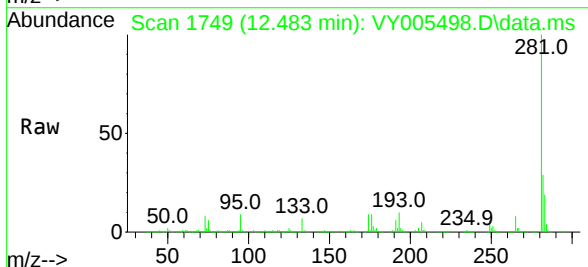
Instrument :
 MSVOA_Y
 ClientSampleId :
 20210492-78

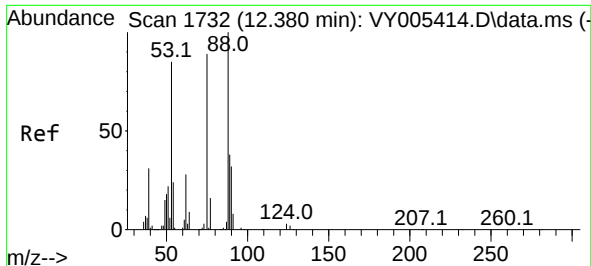
Tgt Ion:152 Resp: 41626
 Ion Ratio Lower Upper
 152 100
 115 55.1 27.7 83.1
 150 155.9 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 77.975 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY005498.D
 Acq: 28 Jul 2021 18:37

Tgt Ion: 75 Resp: 31938
 Ion Ratio Lower Upper
 75 100
 77 3.3 0.0 0.0#

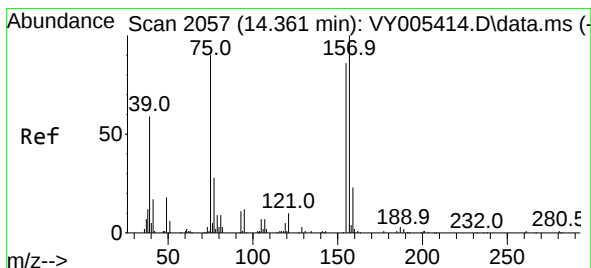
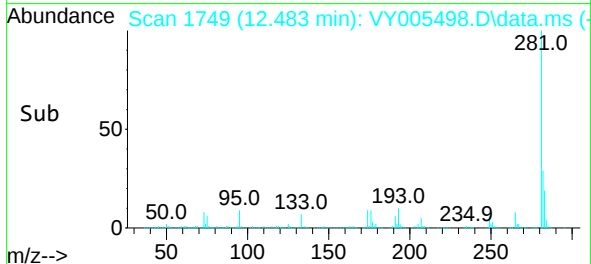
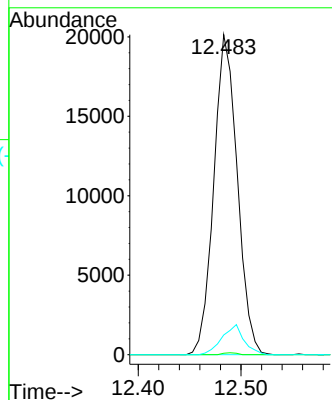
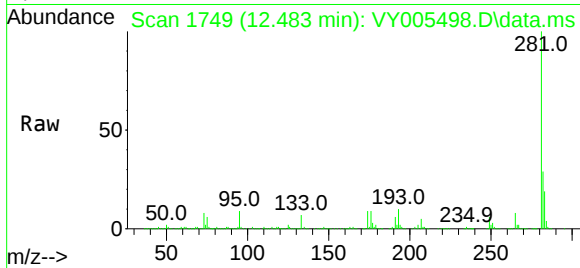




#81
trans-1,4-Dichloro-2-butene
Concen: 151.406 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

Instrument :
MSVOA_Y
ClientSampleId :
20210492-78

Tgt Ion: 75 Resp: 31938
Ion Ratio Lower Upper
75 100
53 0.4 76.1 114.1#
89 8.8 36.9 55.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.786 ug/l
RT: 14.404 min Scan# 2064
Delta R.T. 0.043 min
Lab File: VY005498.D
Acq: 28 Jul 2021 18:37

Tgt Ion: 75 Resp: 5185
Ion Ratio Lower Upper
75 100
155 0.0 43.6 130.8#
157 0.0 54.1 162.3#

