

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
 Data File : VY009497.D
 Acq On : 08 Jul 2022 20:53
 Operator : KP/MD
 Sample : N3593-12
 Misc : 4.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220486C-4C

Quant Time: Jul 11 02:17:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

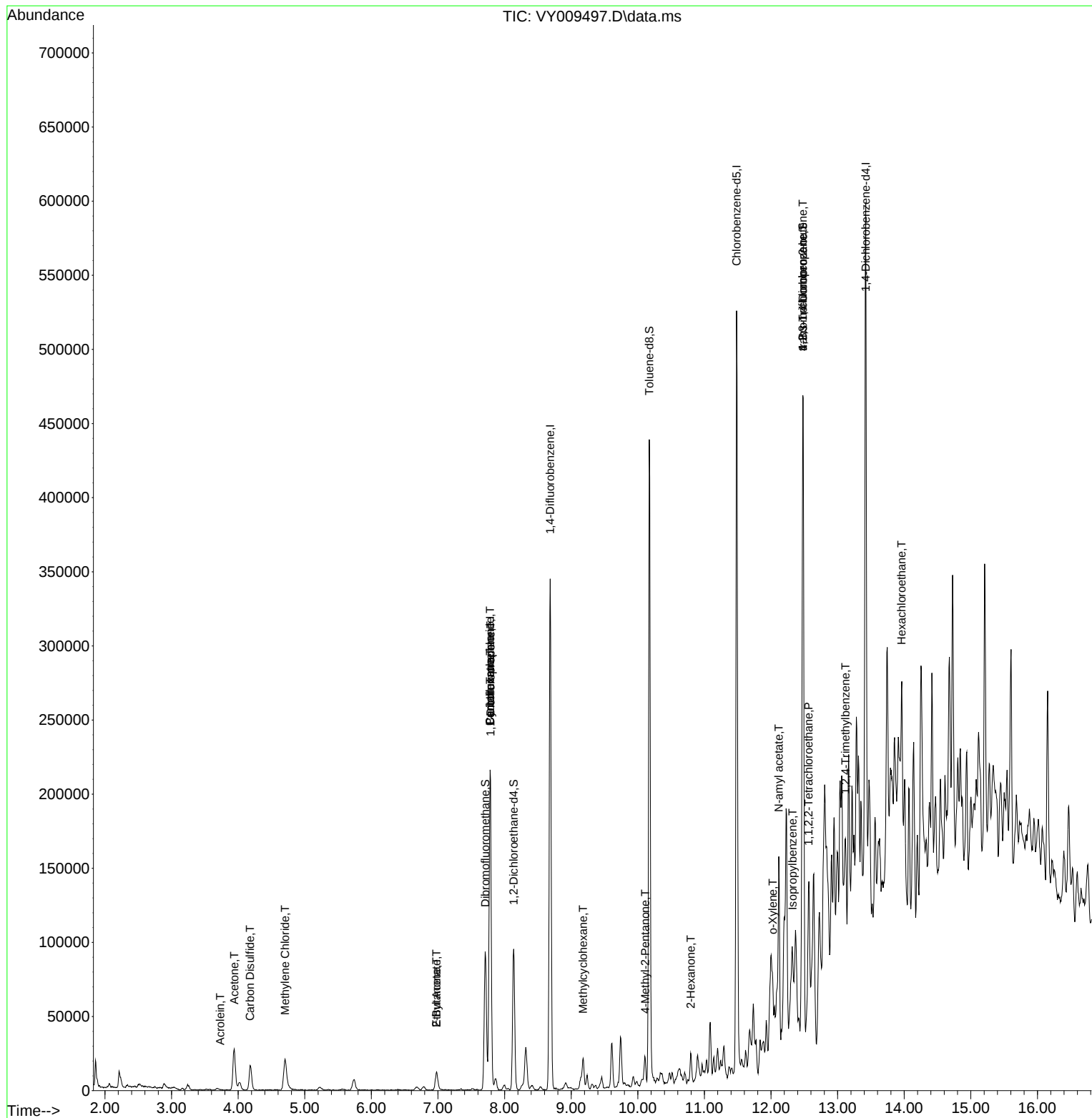
Internal Standards						
1) Pentafluorobenzene	7.783	168	167991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	294110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	273280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	73063	63.490	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.980%
35) Dibromofluoromethane	7.710	113	65532	42.347	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.700%
50) Toluene-d8	10.173	98	267527	65.584	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	131.160%#
62) 4-Bromofluorobenzene	12.477	95	91935	42.086	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	84.180%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.936	59	253	Below Cal	#	77
13) Acrolein	3.729	56	246	31.865	ug/l #	14
16) Acetone	3.942	43	47741	116.822	ug/l #	85
17) Carbon Disulfide	4.180	76	31732	10.755	ug/l	97
20) Methylene Chloride	4.704	84	14635	3.134	ug/l	93
23) Vinyl Acetate	6.131	43	28	Below Cal	#	75
25) 2-Butanone	6.978	43	18251	27.608	ug/l	100
31) Cyclohexane	7.783	56	5109	1.854	ug/l #	45
36) 1,1-Dichloropropene	7.789	75	12306	4.884	ug/l #	50
37) Ethyl Acetate	6.978	43	18251	11.557	ug/l #	72
38) Carbon Tetrachloride	7.783	117	15969	5.927	ug/l #	15
39) Methylcyclohexane	9.179	83	6531	2.160	ug/l #	89
51) 4-Methyl-2-Pentanone	10.112	43	2081	1.343	ug/l	96
59) 2-Hexanone	10.794	43	7601	7.079	ug/l #	33
69) o-Xylene	12.026	106	8239	2.352	ug/l	91
73) Isopropylbenzene	12.325	105	10211	1.173	ug/l	91
74) N-amyl acetate	12.117	43	32087	12.954	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.562	83	6245	3.583	ug/l #	35
76) 1,2,3-Trichloropropane	12.477	75	48664	36.112	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	48664	73.909	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	27706	3.825	ug/l	98
90) Hexachloroethane	13.958	117	1566	1.004	ug/l #	6

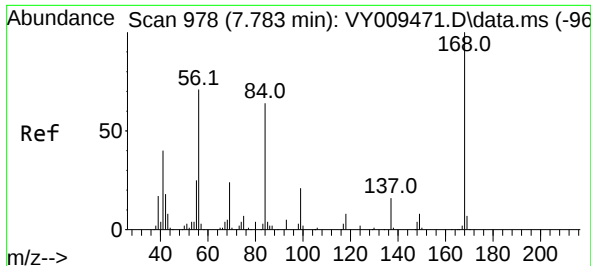
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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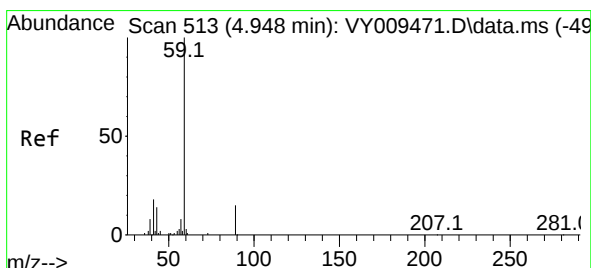
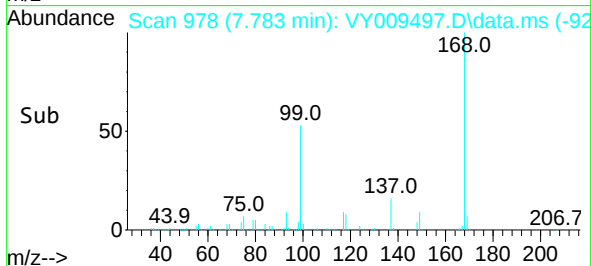
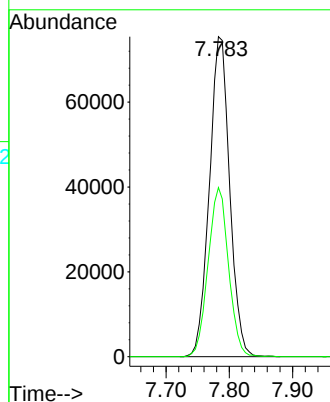
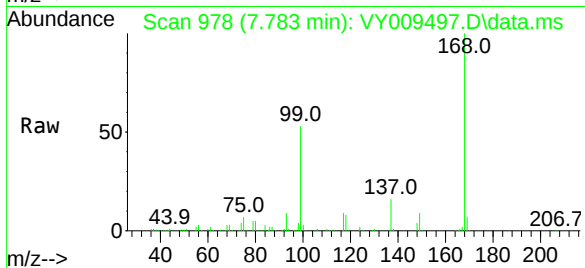




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

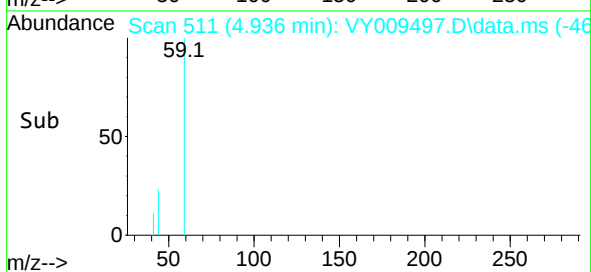
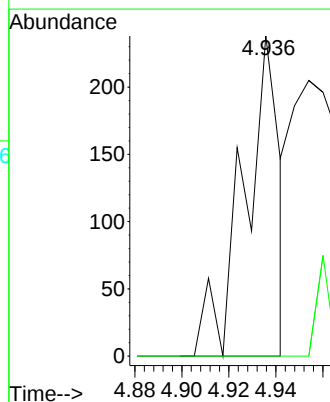
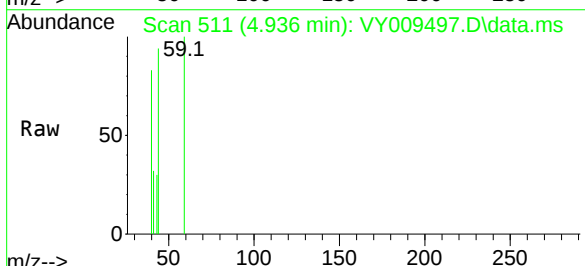
Instrument :
MSVOA_Y
ClientSampleId :
20220486C-4C

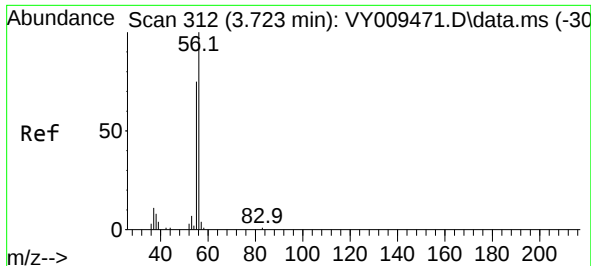
Tgt Ion:168 Resp: 167991
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

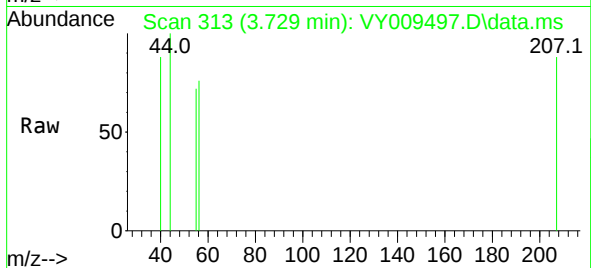
Tgt Ion: 59 Resp: 253
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



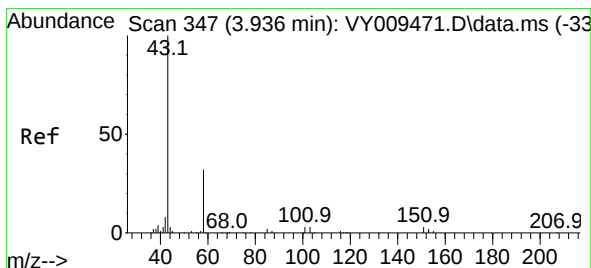
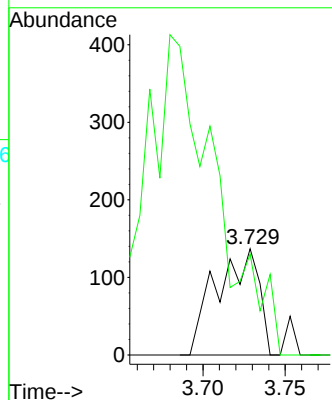
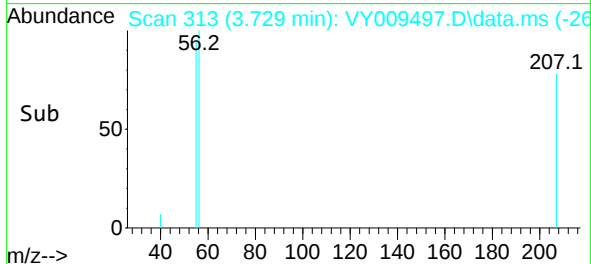


#13
Acrolein
Concen: 31.865 ug/l
RT: 3.729 min Scan# 312
Delta R.T. 0.006 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

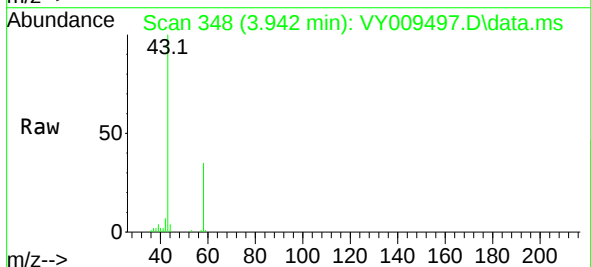
Instrument :
MSVOA_Y
ClientSampleId :
20220486C-4C



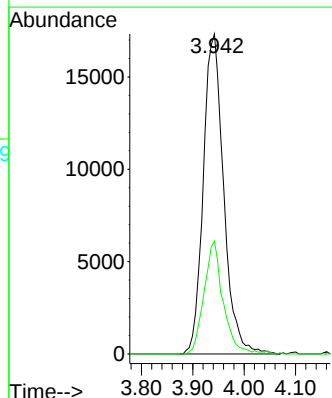
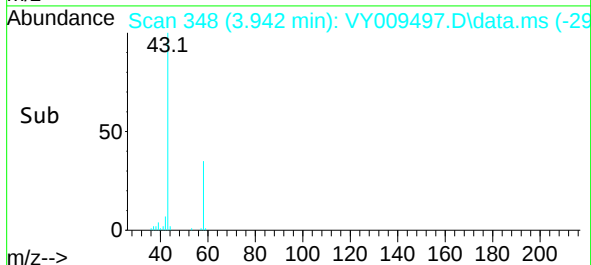
Tgt Ion: 56 Resp: 246
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#

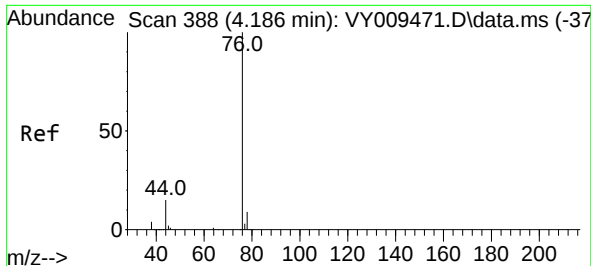


#16
Acetone
Concen: 116.822 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53



Tgt Ion: 43 Resp: 47741
Ion Ratio Lower Upper
43 100
58 35.2 22.0 33.0#

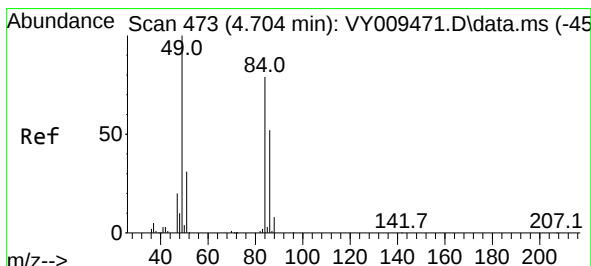
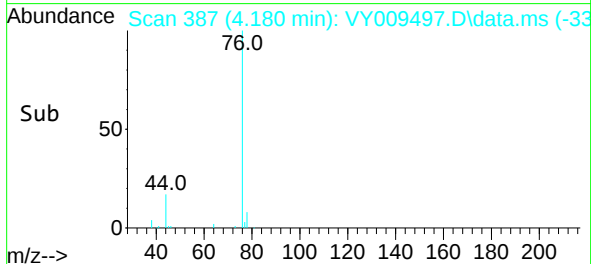
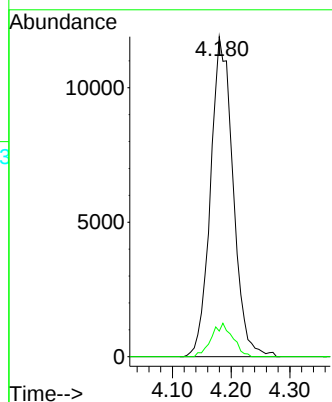
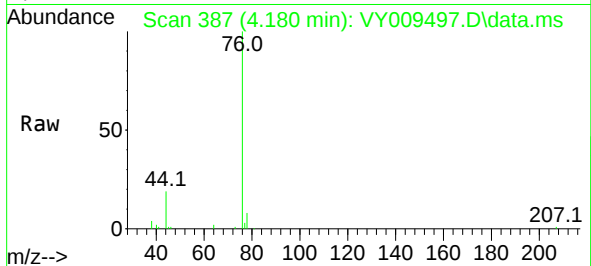




#17
Carbon Disulfide
Concen: 10.755 ug/l
RT: 4.180 min Scan# 317
Delta R.T. -0.006 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

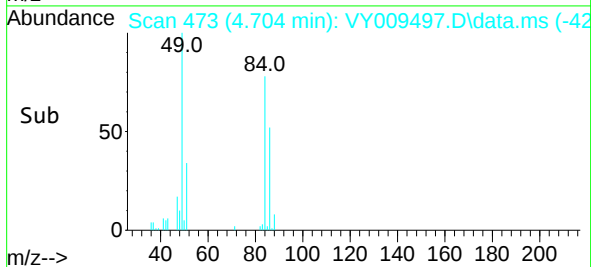
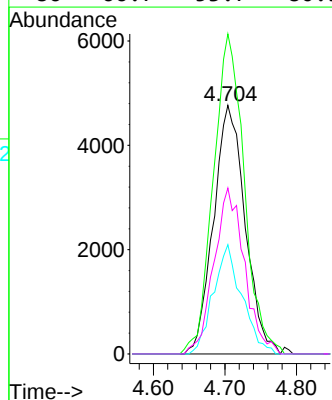
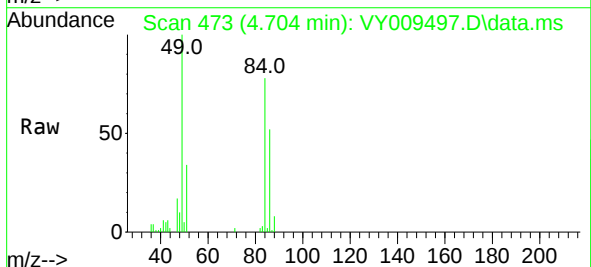
Instrument :
MSVOA_Y
ClientSampleId :
20220486C-4C

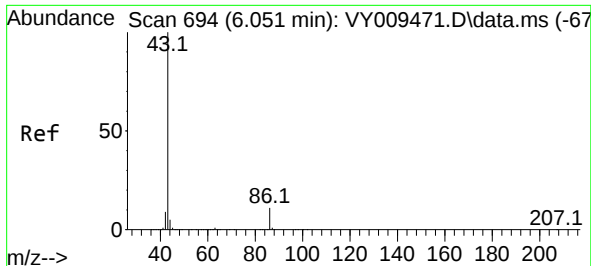
Tgt Ion: 76 Resp: 31732
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.0



#20
Methylene Chloride
Concen: 3.134 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

Tgt Ion: 84 Resp: 14635
Ion Ratio Lower Upper
84 100
49 128.7 114.4 171.6
51 44.0 35.3 52.9
86 66.7 53.7 80.5

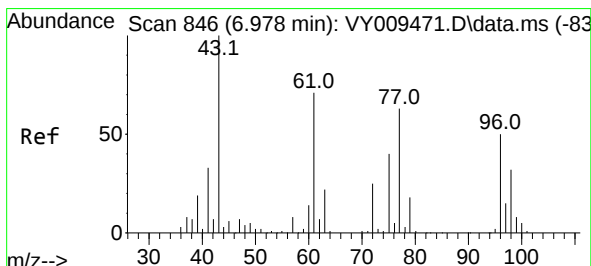
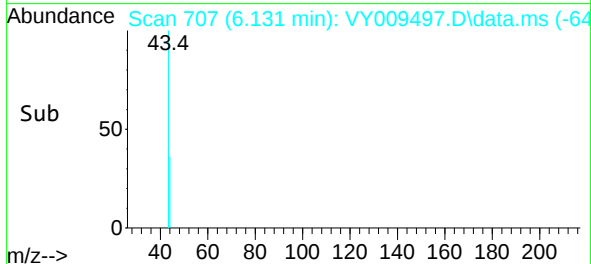
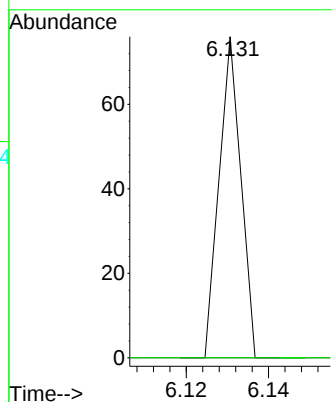
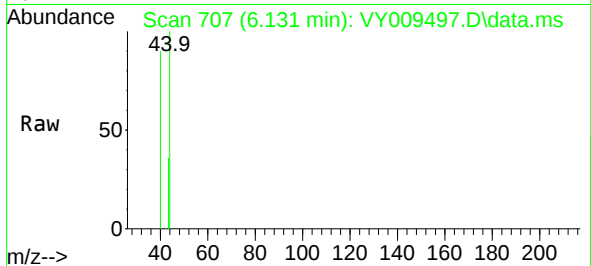




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 6.131 min Scan# 707
 Delta R.T. 0.080 min
 Lab File: VY009497.D
 Acq: 08 Jul 2022 20:53

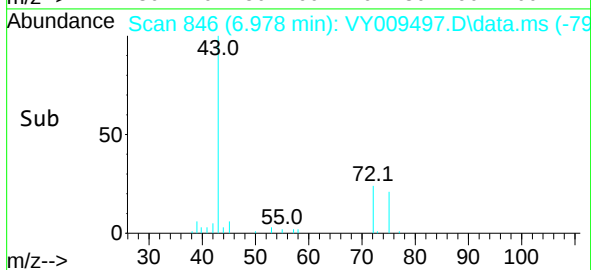
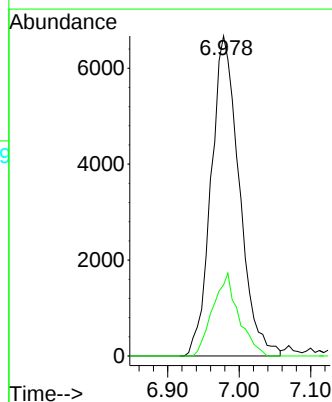
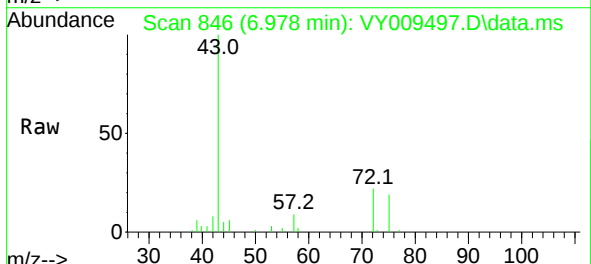
Instrument :
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 ClientSampleId :
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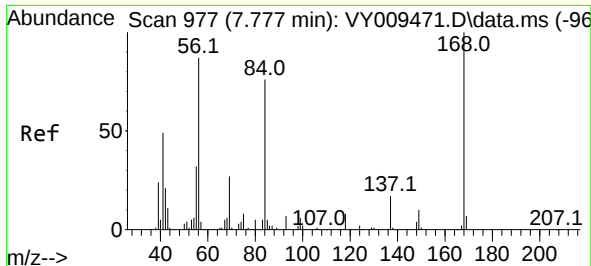
Tgt Ion: 43 Resp: 28
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 27.608 ug/l
 RT: 6.978 min Scan# 846
 Delta R.T. 0.000 min
 Lab File: VY009497.D
 Acq: 08 Jul 2022 20:53

Tgt Ion: 43 Resp: 18251
 Ion Ratio Lower Upper
 43 100
 72 22.2 17.7 26.5

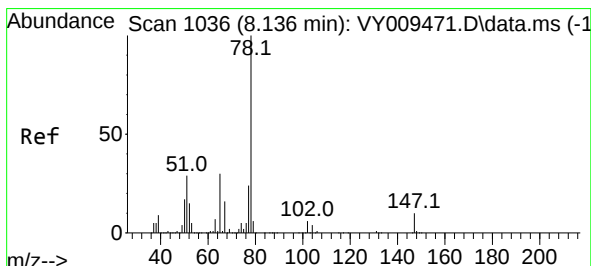
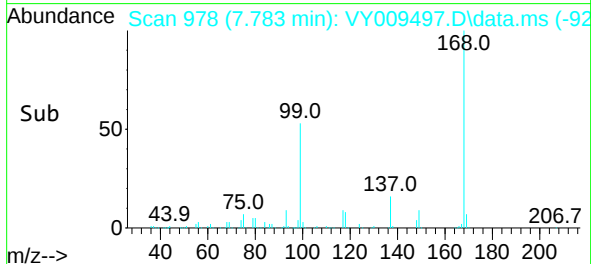
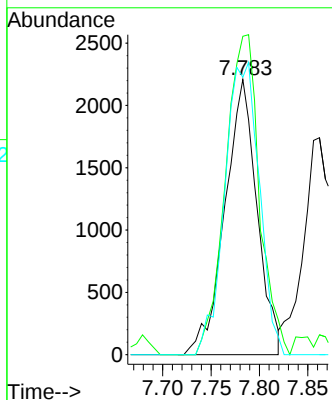
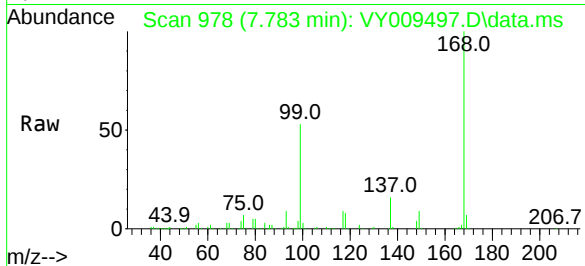




#31
Cyclohexane
Concen: 1.854 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

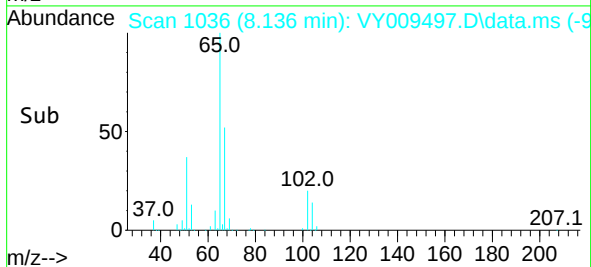
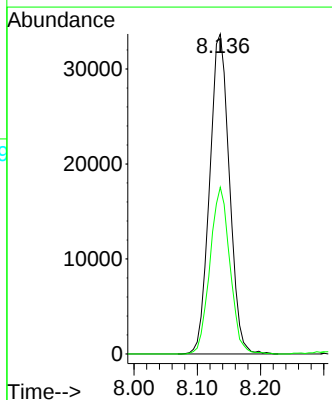
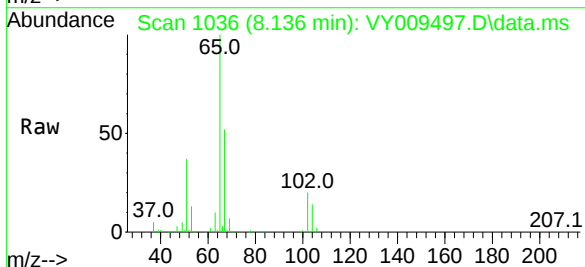
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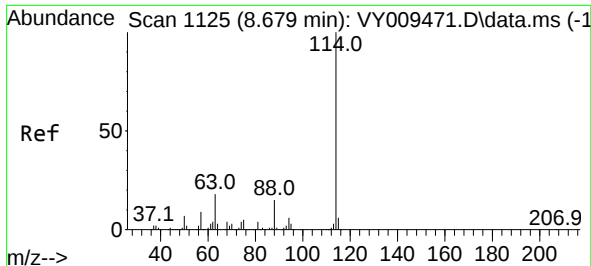
Tgt Ion: 56 Resp: 5109
Ion Ratio Lower Upper
56 100
69 115.7 26.7 40.1#
84 100.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.490 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

Tgt Ion: 65 Resp: 73063
Ion Ratio Lower Upper
65 100
67 52.6 0.0 99.4

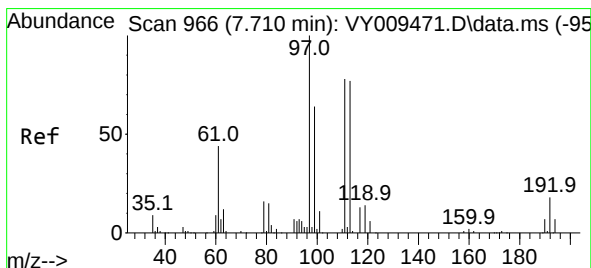
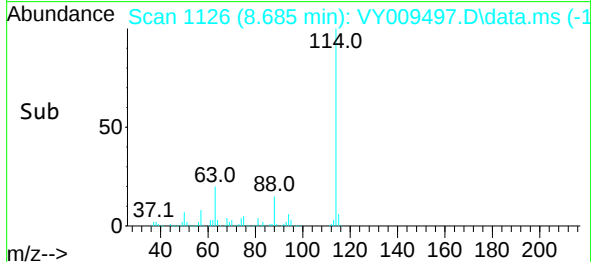
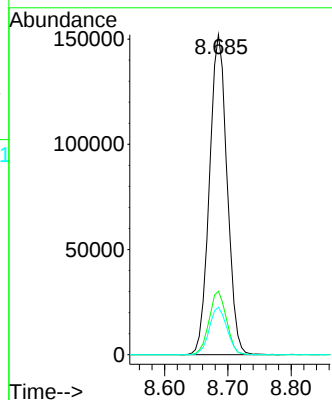
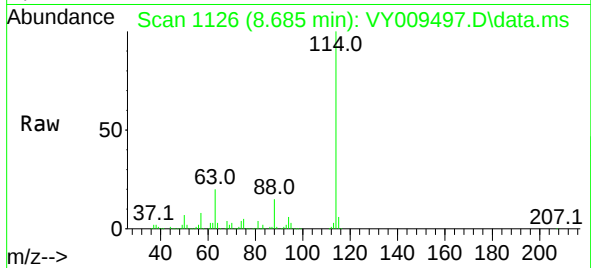




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

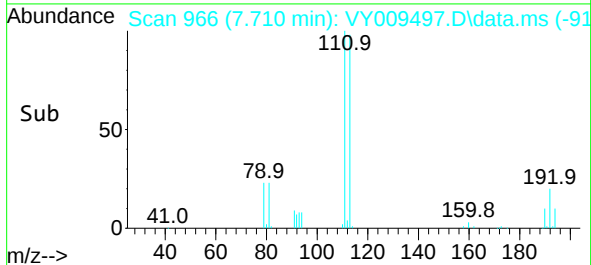
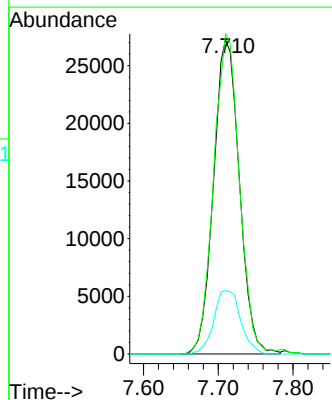
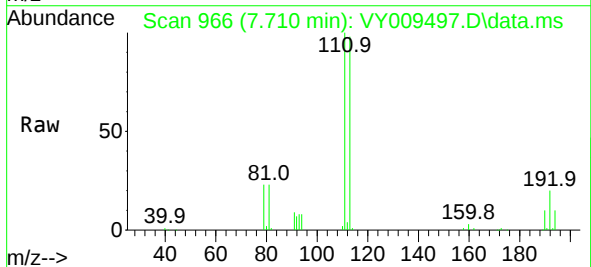
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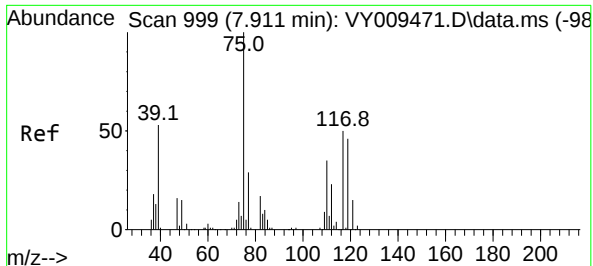
Tgt Ion:114 Resp: 294110
Ion Ratio Lower Upper
114 100
63 19.9 0.0 43.2
88 14.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 42.347 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

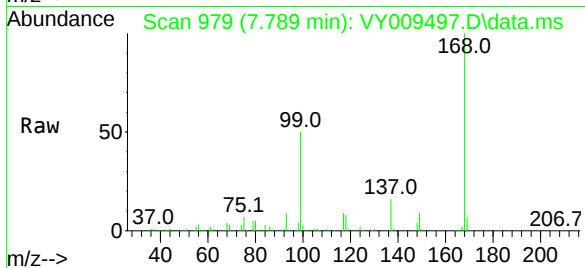
Tgt Ion:113 Resp: 65532
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 21.0 17.6 26.4



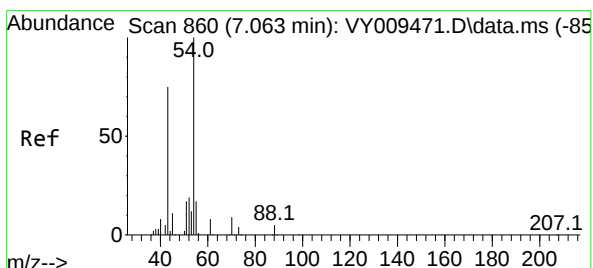
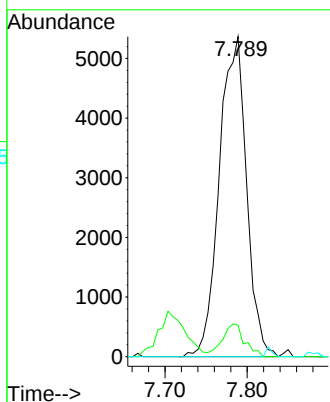
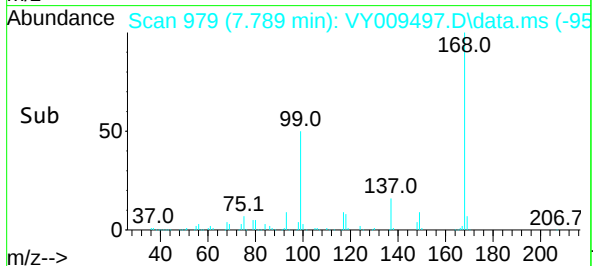


#36
1,1-Dichloropropene
Concen: 4.884 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

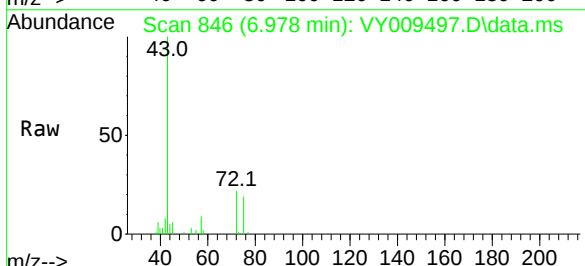
Instrument :
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ClientSampleId :
20220486C-4C



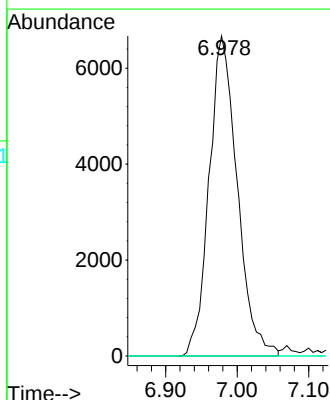
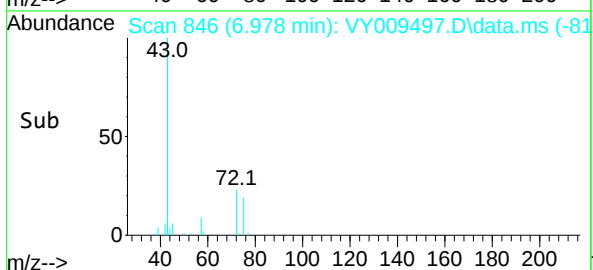
Tgt Ion: 75 Resp: 12306
Ion Ratio Lower Upper
75 100
110 8.3 17.1 51.2#
77 0.0 24.4 36.6#

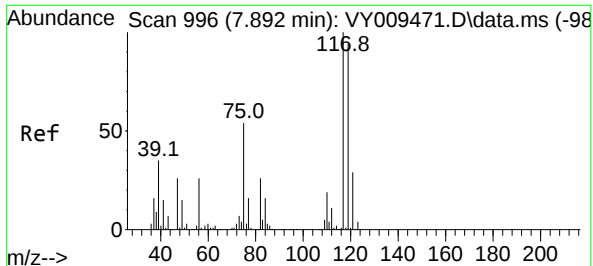


#37
Ethyl Acetate
Concen: 11.557 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.085 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53



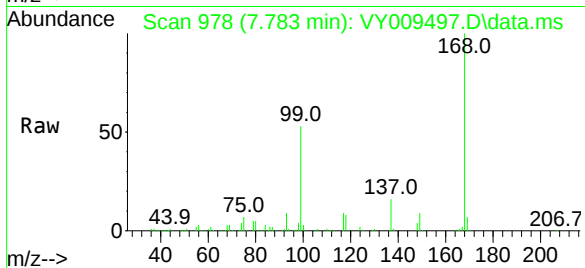
Tgt Ion: 43 Resp: 18251
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#



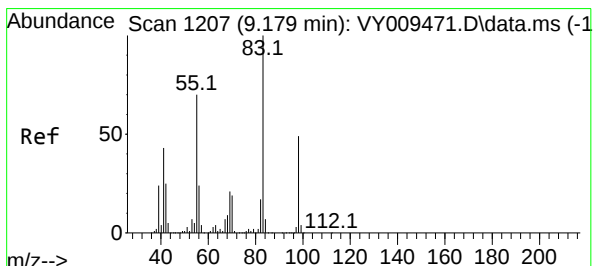
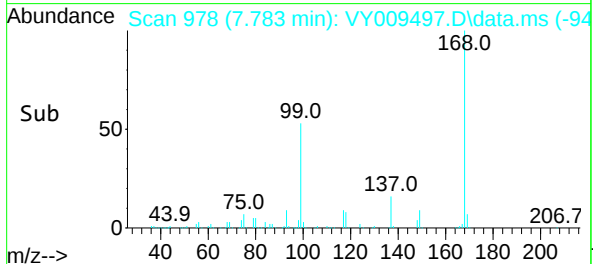
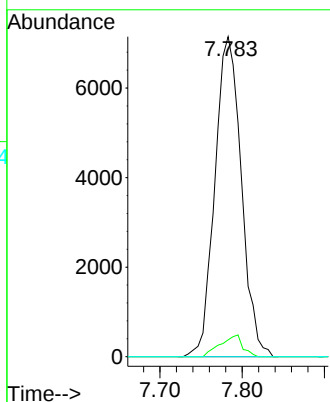


#38
Carbon Tetrachloride
Concen: 5.927 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

Instrument :
MSVOA_Y
ClientSampleId :
20220486C-4C

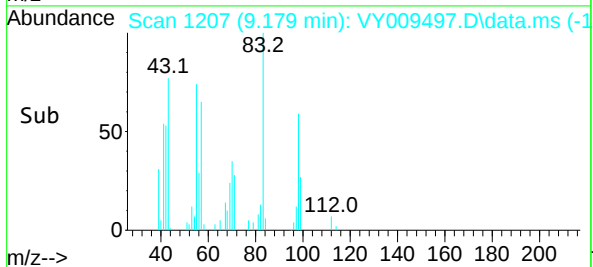
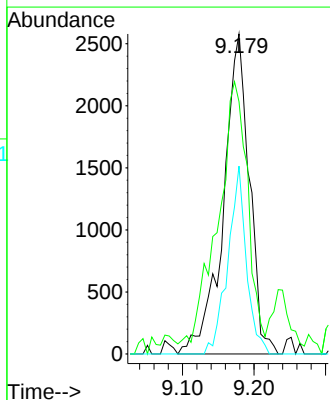
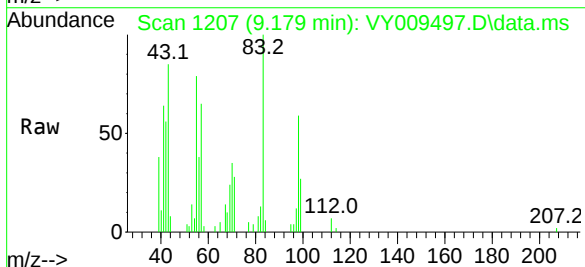


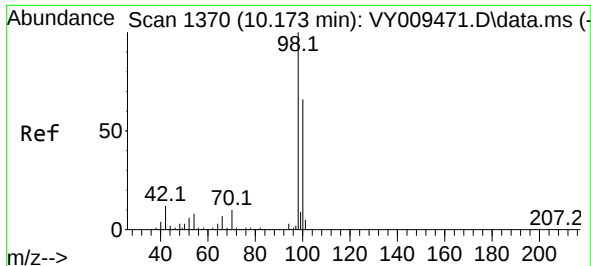
Tgt Ion:117 Resp: 15969
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 2.160 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

Tgt Ion: 83 Resp: 6531
Ion Ratio Lower Upper
83 100
55 75.7 66.5 99.7
98 58.7 37.9 56.9#

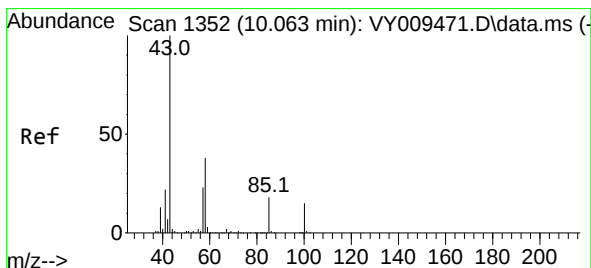
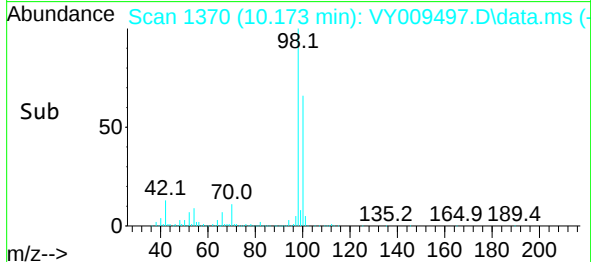
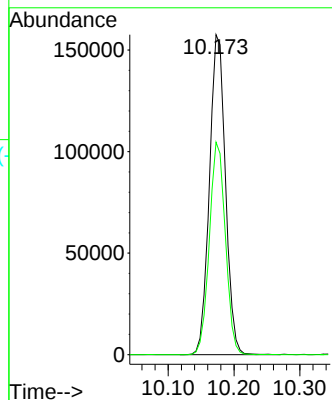
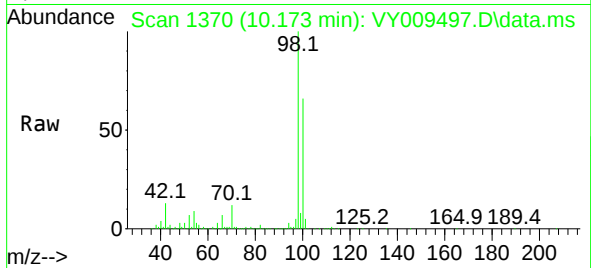




#50
Toluene-d8
Concen: 65.584 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

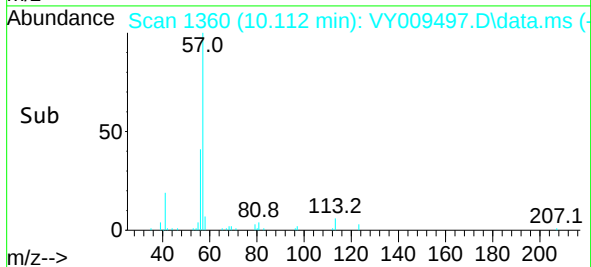
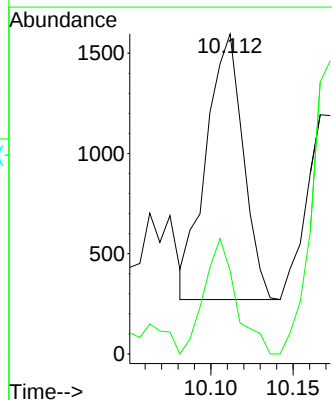
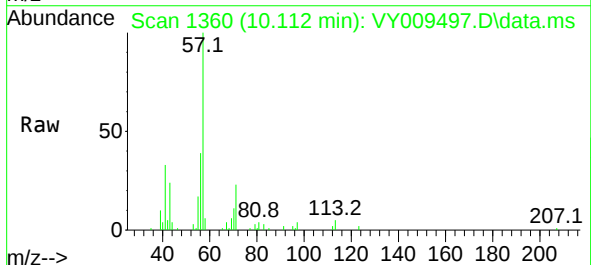
Instrument :
MSVOA_Y
ClientSampleId :
20220486C-4C

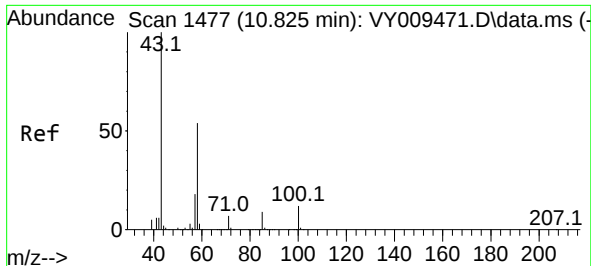
Tgt Ion: 98 Resp: 267527
Ion Ratio Lower Upper
98 100
100 66.3 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.343 ug/l
RT: 10.112 min Scan# 1360
Delta R.T. 0.049 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

Tgt Ion: 43 Resp: 2081
Ion Ratio Lower Upper
43 100
58 37.1 28.1 42.1

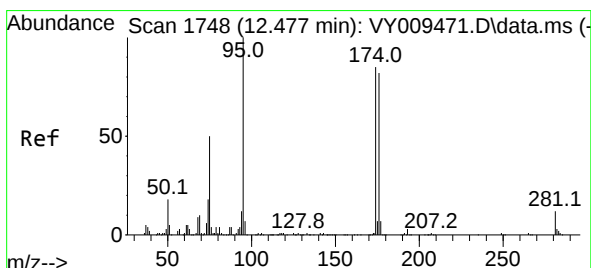
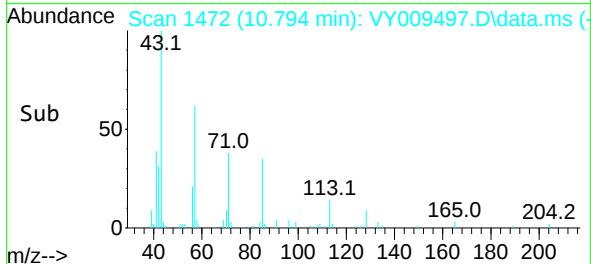
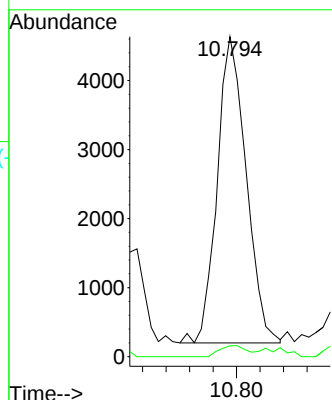
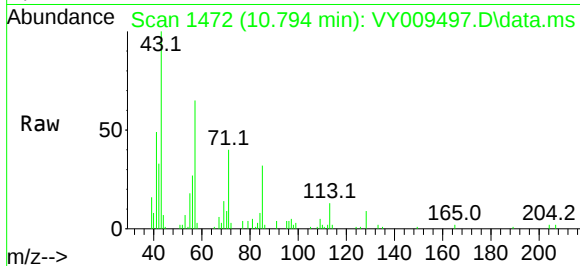




#59
2-Hexanone
Concen: 7.079 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.031 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

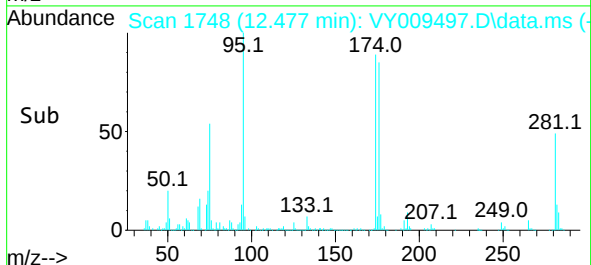
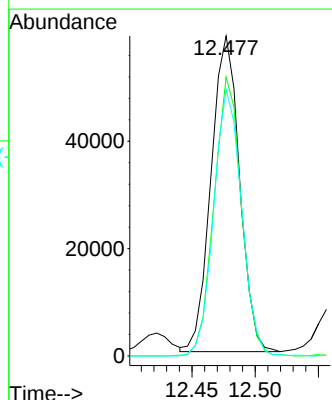
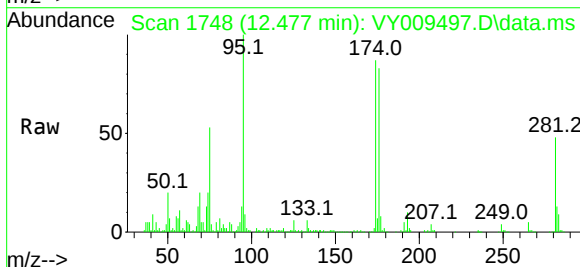
Instrument :
MSVOA_Y
ClientSampleId :
20220486C-4C

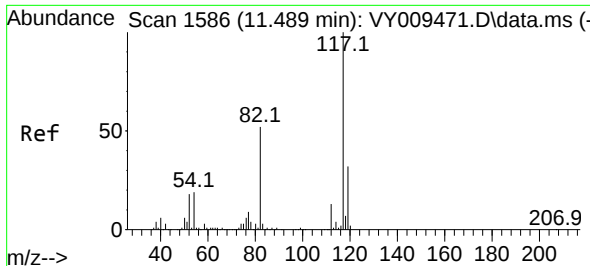
Tgt Ion: 43 Resp: 7601
Ion Ratio Lower Upper
43 100
58 3.3 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 42.086 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

Tgt Ion: 95 Resp: 91935
Ion Ratio Lower Upper
95 100
174 84.8 0.0 177.0
176 82.8 0.0 175.8

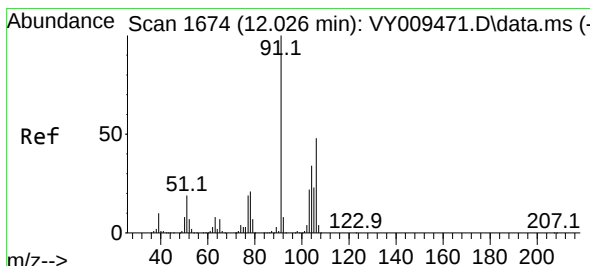
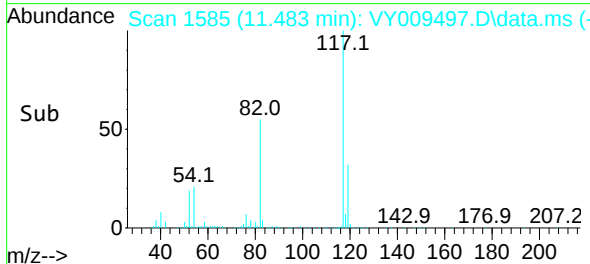
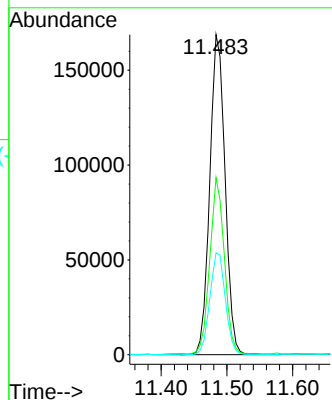
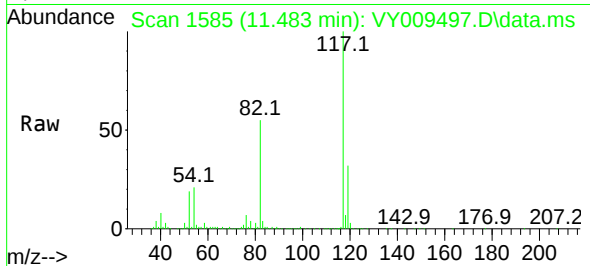




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

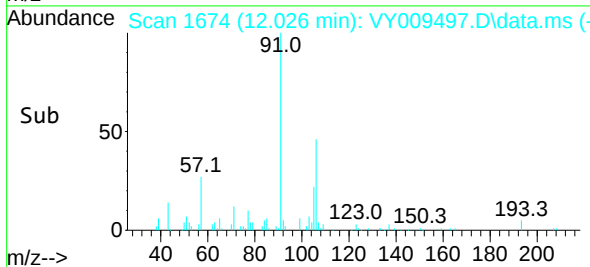
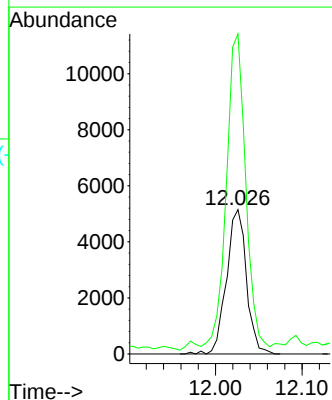
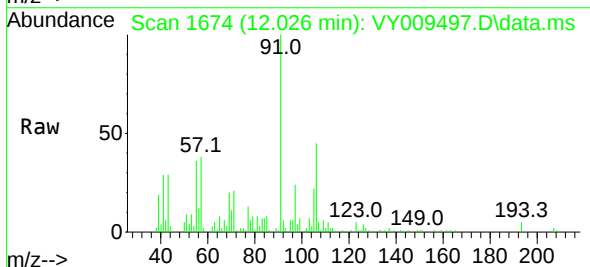
Instrument :
MSVOA_Y
ClientSampleId :
20220486C-4C

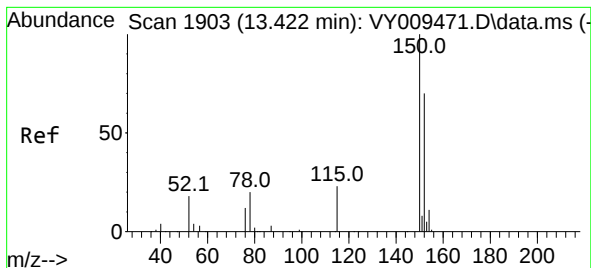
Tgt Ion:117 Resp: 273280
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 31.9 25.4 38.0



#69
o-Xylene
Concen: 2.352 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

Tgt Ion:106 Resp: 8239
Ion Ratio Lower Upper
106 100
91 206.8 110.3 331.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009497.D

Acq: 08 Jul 2022 20:53

Instrument :

MSVOA_Y

ClientSampleId :

20220486C-4C

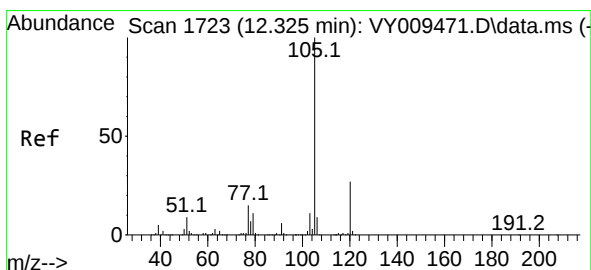
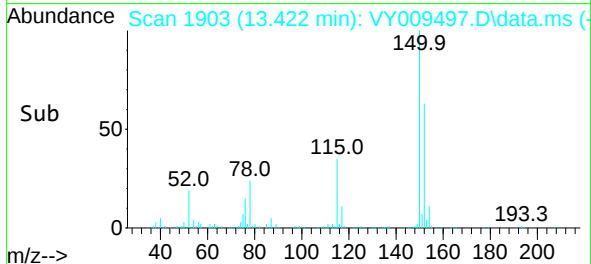
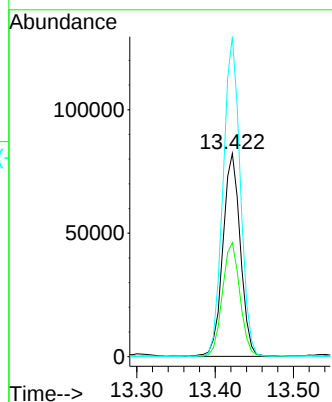
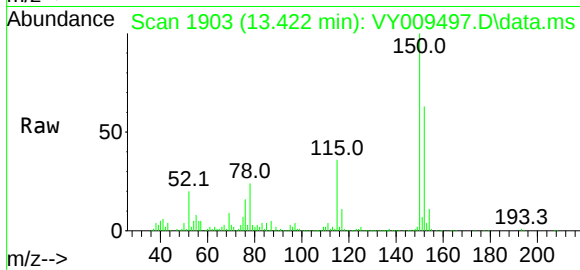
Tgt Ion:152 Resp: 127300

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.7

150 155.0 0.0 347.6



#73

Isopropylbenzene

Concen: 1.173 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.000 min

Lab File: VY009497.D

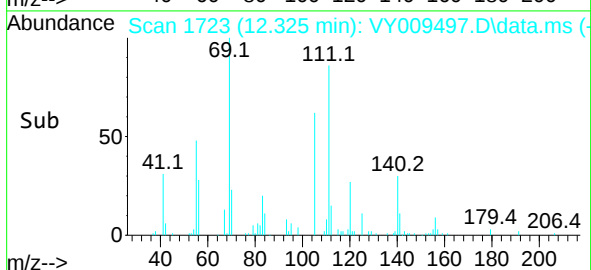
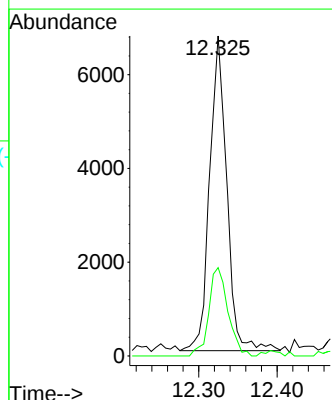
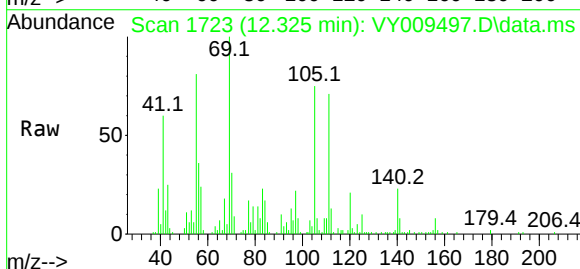
Acq: 08 Jul 2022 20:53

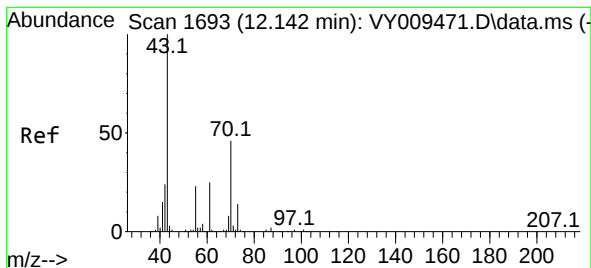
Tgt Ion:105 Resp: 10211

Ion Ratio Lower Upper

105 100

120 31.2 13.4 40.2





#74

N-amy1 acetate

Concen: 12.954 ug/l

RT: 12.117 min Scan# 1

Delta R.T. -0.025 min

Lab File: VY009497.D

Acq: 08 Jul 2022 20:53

Instrument :

MSVOA_Y

ClientSampleId :

20220486C-4C

Tgt Ion: 43 Resp: 32087

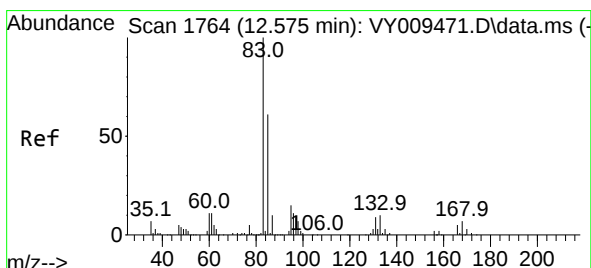
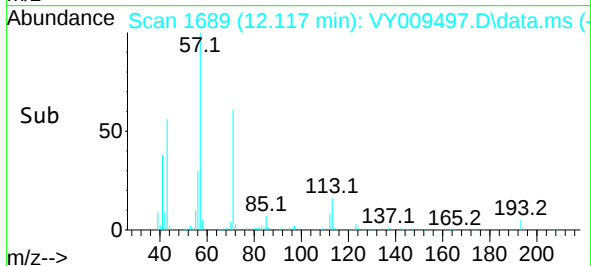
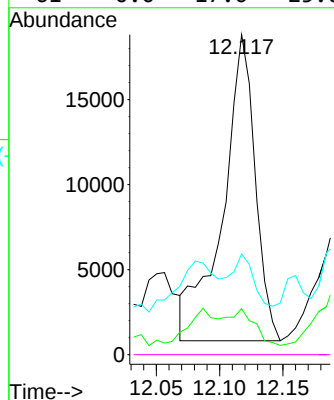
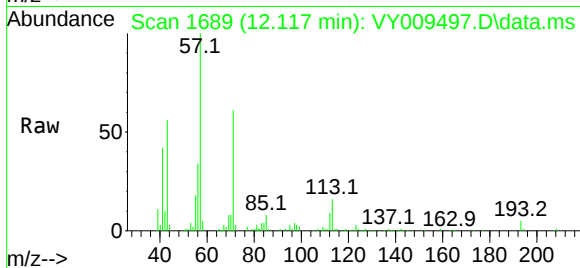
Ion Ratio Lower Upper

43 100

70 0.0 28.7 43.1#

55 16.8 17.3 25.9#

61 0.0 17.0 25.6#



#75

1,1,2,2-Tetrachloroethane

Concen: 3.583 ug/l

RT: 12.562 min Scan# 1762

Delta R.T. -0.013 min

Lab File: VY009497.D

Acq: 08 Jul 2022 20:53

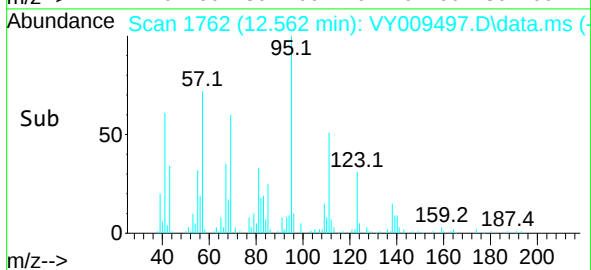
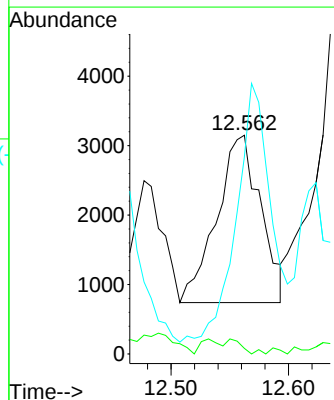
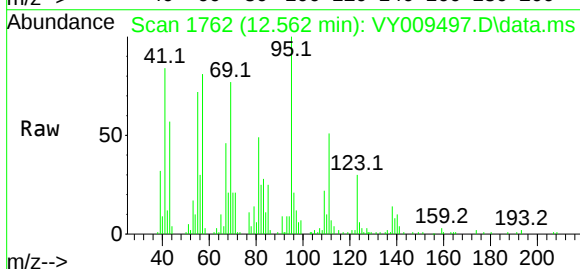
Tgt Ion: 83 Resp: 6245

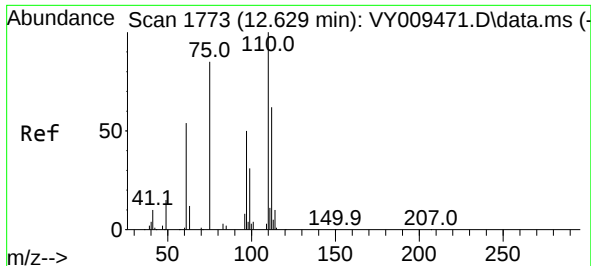
Ion Ratio Lower Upper

83 100

131 2.8 5.6 16.8#

85 121.0 32.3 96.8#

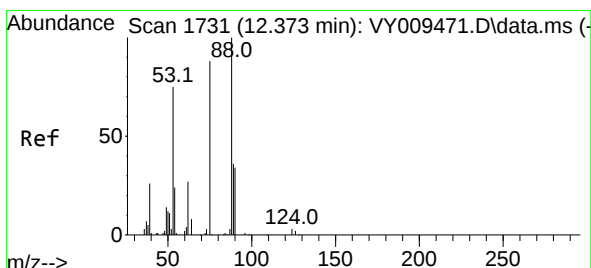
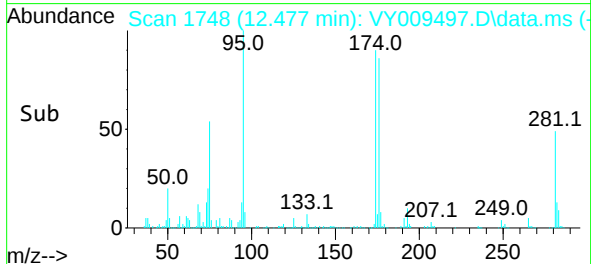
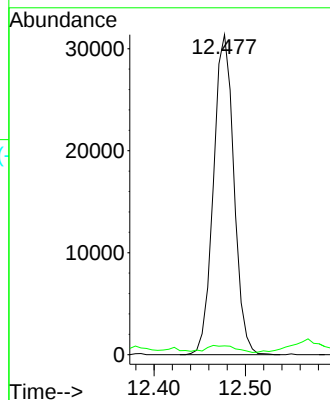
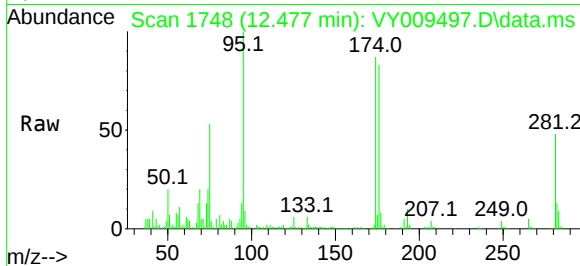




#76
1,2,3-Trichloropropane
Concen: 36.112 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

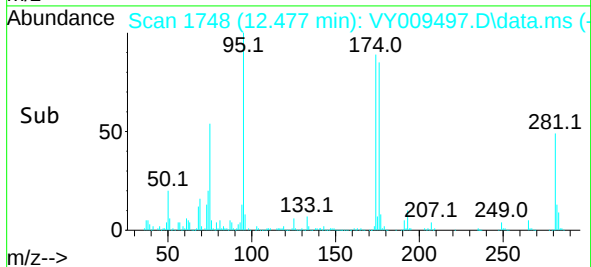
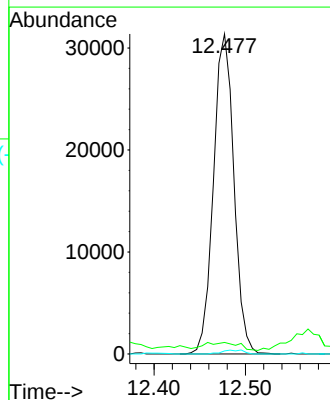
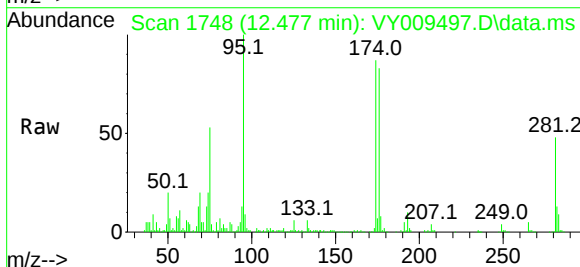
Instrument :
MSVOA_Y
ClientSampleId :
20220486C-4C

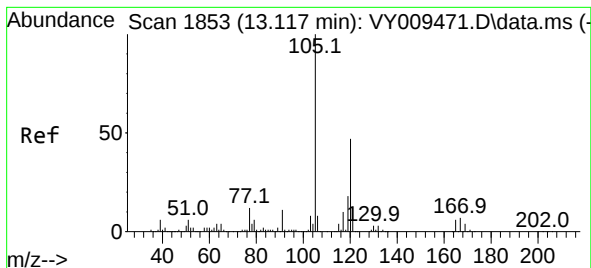
Tgt Ion: 75 Resp: 48664
Ion Ratio Lower Upper
75 100
77 3.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.909 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

Tgt Ion: 75 Resp: 48664
Ion Ratio Lower Upper
75 100
53 4.2 85.3 127.9#
89 1.2 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 3.825 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009497.D

Acq: 08 Jul 2022 20:53

Instrument :

MSVOA_Y

ClientSampleId :

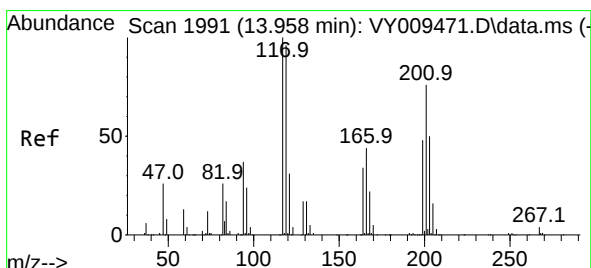
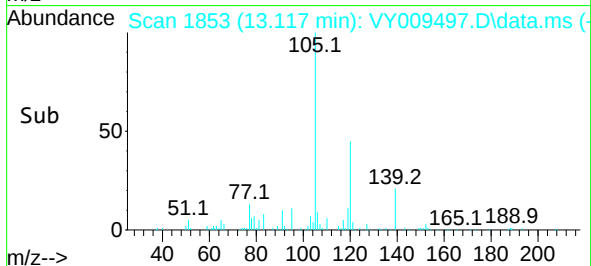
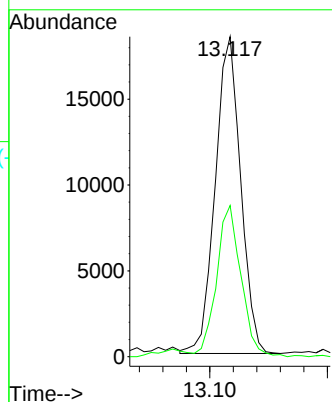
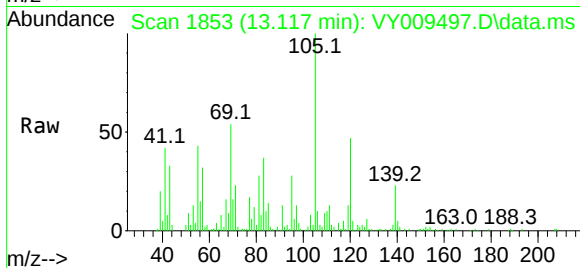
20220486C-4C

Tgt Ion:105 Resp: 27706

Ion Ratio Lower Upper

105 100

120 46.0 22.3 66.9



#90

Hexachloroethane

Concen: 1.004 ug/l

RT: 13.958 min Scan# 1991

Delta R.T. 0.000 min

Lab File: VY009497.D

Acq: 08 Jul 2022 20:53

Tgt Ion:117 Resp: 1566

Ion Ratio Lower Upper

117 100

201 0.0 43.0 128.8#

