

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
 Data File : VY009495.D
 Acq On : 08 Jul 2022 20:07
 Operator : KP/MD
 Sample : N3595-15
 Misc : 6.64g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220491C-9C

Quant Time: Jul 11 02:16:44 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)

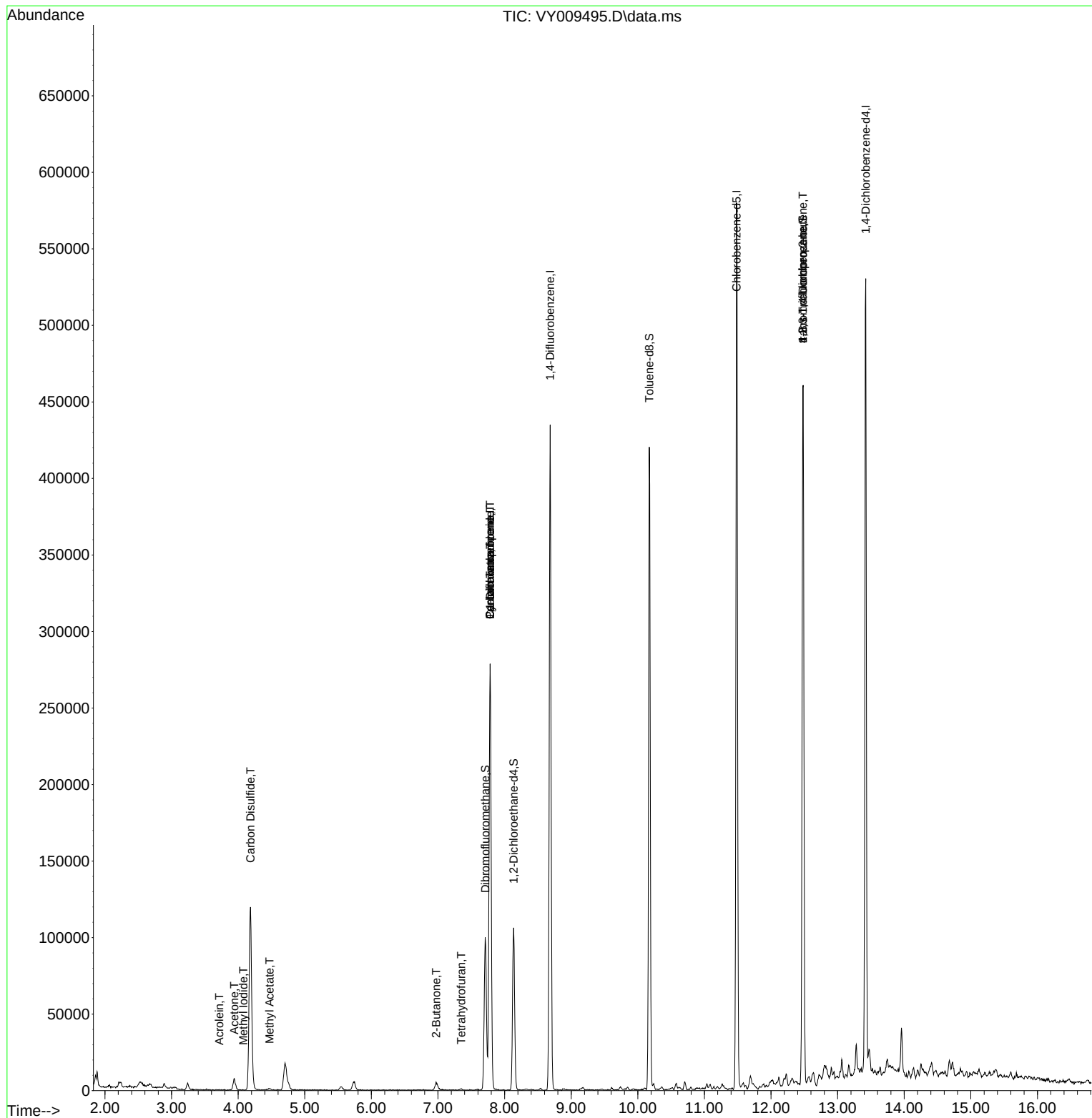
Internal Standards						
1) Pentafluorobenzene	7.783	168	219051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	357924	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	314790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	79679	51.882	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.760%			
35) Dibromofluoromethane	7.710	113	69797	37.061	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 74.120%			
50) Toluene-d8	10.173	98	271218	53.016	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 106.040%			
62) 4-Bromofluorobenzene	12.477	95	92519	34.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 69.600%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.076	142	135	4.210	ug/l #	35
11) Tert butyl alcohol	4.942	59	353	Below Cal	#	77
13) Acrolein	3.717	56	113	30.811	ug/l #	40
16) Acetone	3.942	43	11807	22.157	ug/l #	89
17) Carbon Disulfide	4.186	76	240197	41.190	ug/l	98
18) Methyl Acetate	4.473	43	1844	1.179	ug/l #	87
23) Vinyl Acetate	6.045	43	78	Below Cal	#	75
25) 2-Butanone	6.972	43	3471	4.027	ug/l #	89
29) Tetrahydrofuran	7.350	42	622	1.116	ug/l #	48
31) Cyclohexane	7.783	56	4999	1.391	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15848	5.169	ug/l #	51
38) Carbon Tetrachloride	7.783	117	20868	6.364	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	51252	35.251	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51252	72.146	ug/l #	8

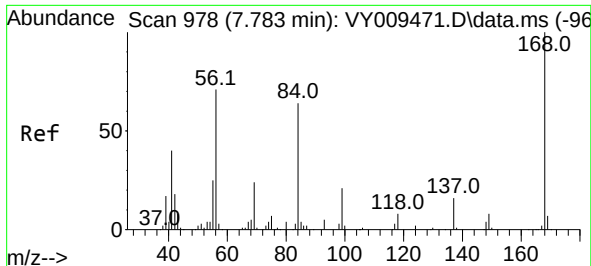
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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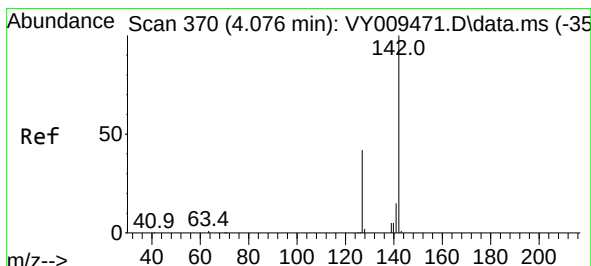
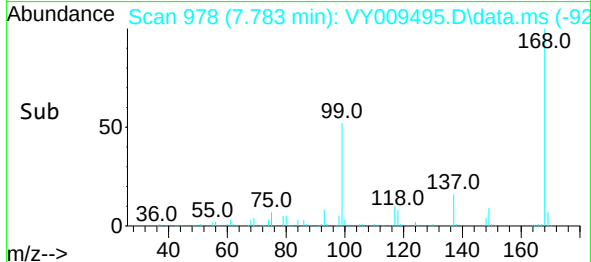
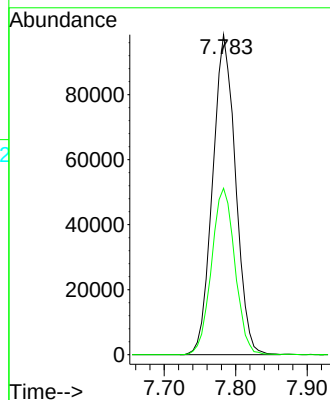
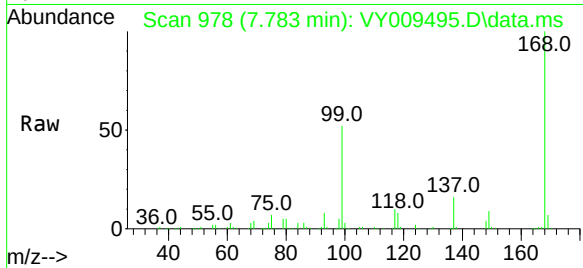




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009495.D
Acq: 08 Jul 2022 20:07

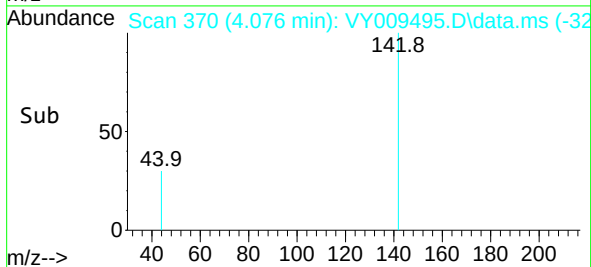
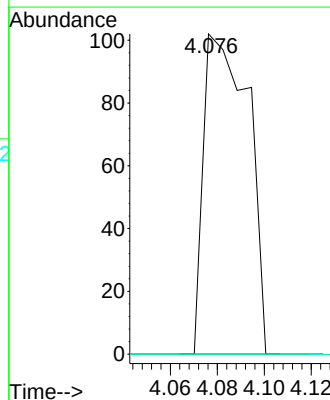
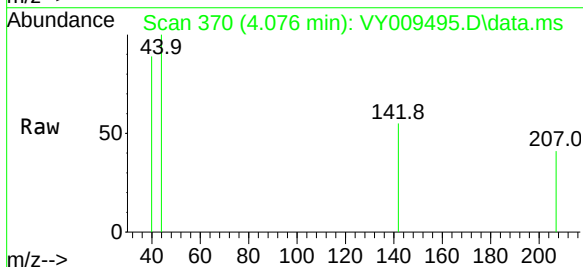
Instrument :
MSVOA_Y
ClientSampleId :
20220491C-9C

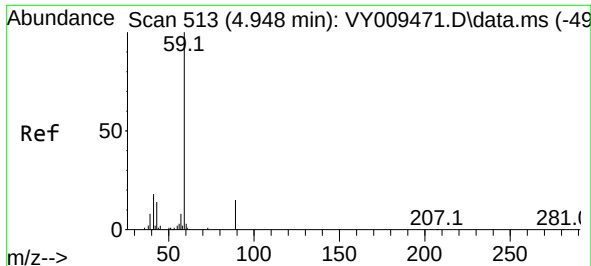
Tgt Ion:168 Resp: 219051
Ion Ratio Lower Upper
168 100
99 52.0 46.9 70.3



#10
Methyl Iodide
Concen: 4.210 ug/l
RT: 4.076 min Scan# 370
Delta R.T. 0.000 min
Lab File: VY009495.D
Acq: 08 Jul 2022 20:07

Tgt Ion:142 Resp: 135
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY009495.D

Acq: 08 Jul 2022 20:07

Instrument :

MSVOA_Y

ClientSampleId :

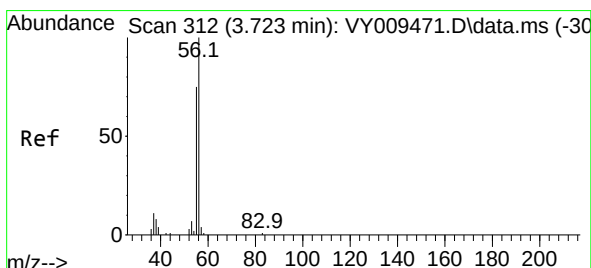
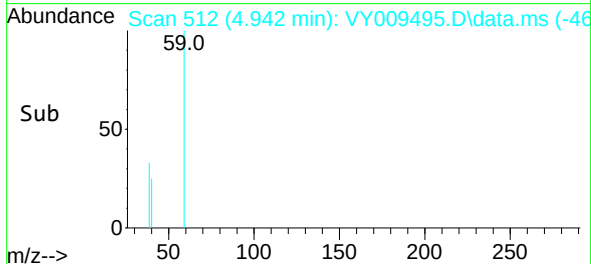
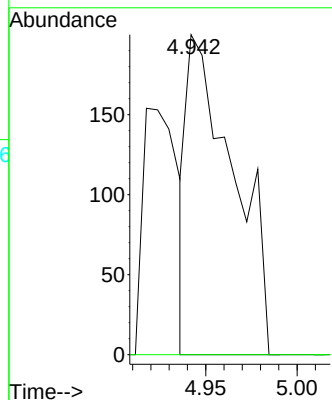
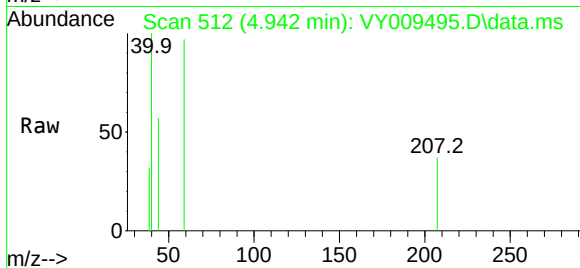
20220491C-9C

Tgt Ion: 59 Resp: 353

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: 30.811 ug/l

RT: 3.717 min Scan# 311

Delta R.T. -0.006 min

Lab File: VY009495.D

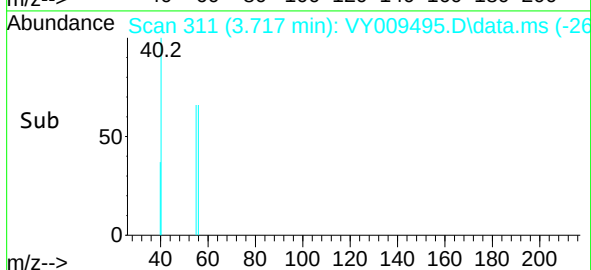
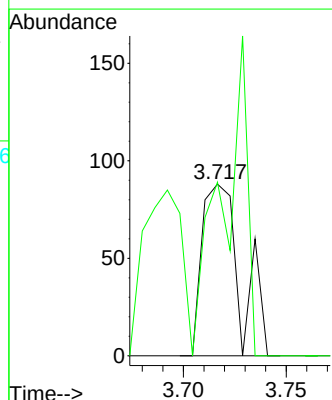
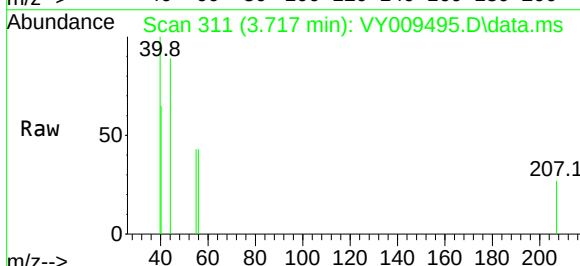
Acq: 08 Jul 2022 20:07

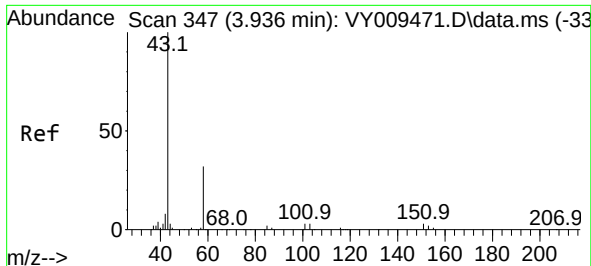
Tgt Ion: 56 Resp: 113

Ion Ratio Lower Upper

56 100

55 122.1 57.6 86.4#





#16

Acetone

Concen: 22.157 ug/l

RT: 3.942 min Scan# 347

Delta R.T. 0.006 min

Lab File: VY009495.D

Acq: 08 Jul 2022 20:07

Instrument :

MSVOA_Y

ClientSampleId :

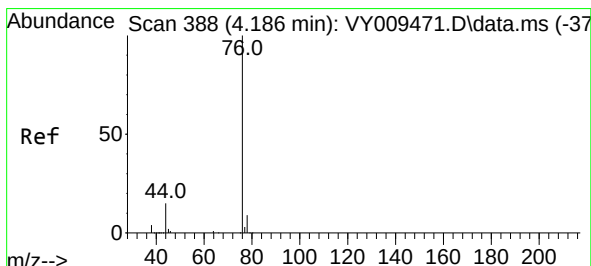
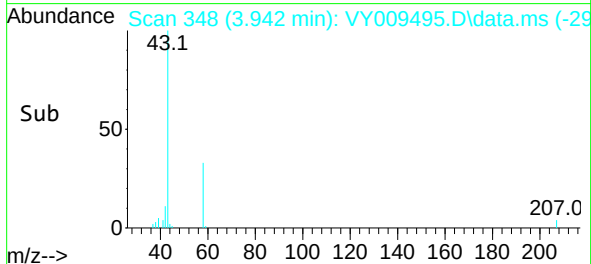
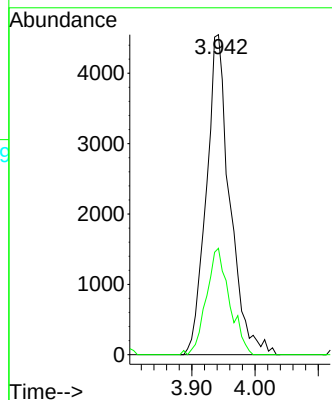
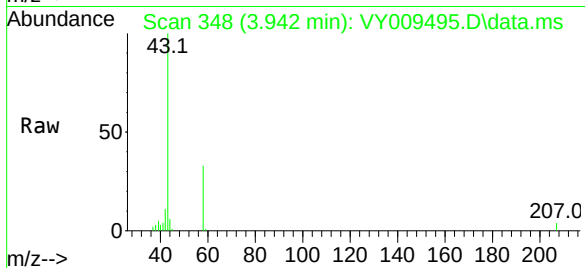
20220491C-9C

Tgt Ion: 43 Resp: 11807

Ion Ratio Lower Upper

43 100

58 33.3 22.0 33.0#



#17

Carbon Disulfide

Concen: 41.190 ug/l

RT: 4.186 min Scan# 388

Delta R.T. 0.000 min

Lab File: VY009495.D

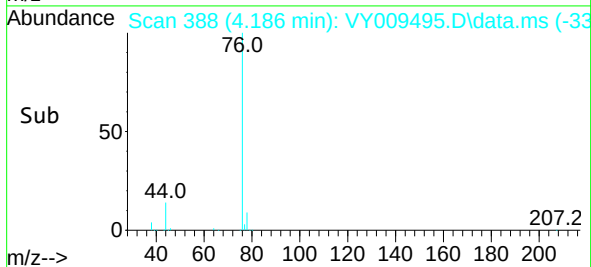
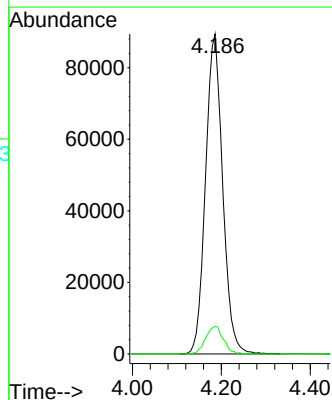
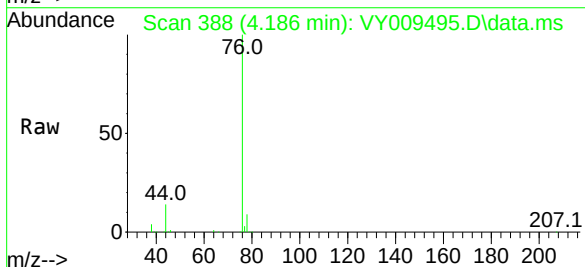
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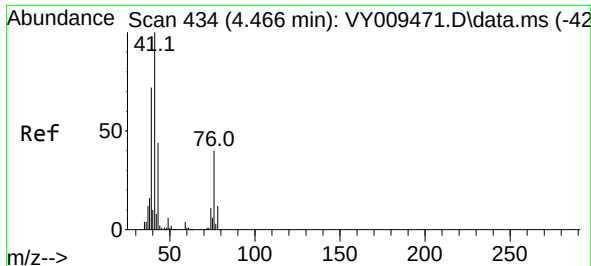
Tgt Ion: 76 Resp: 240197

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0

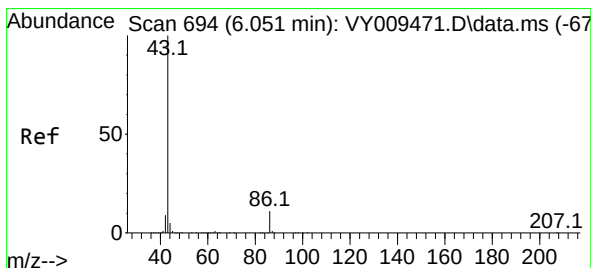
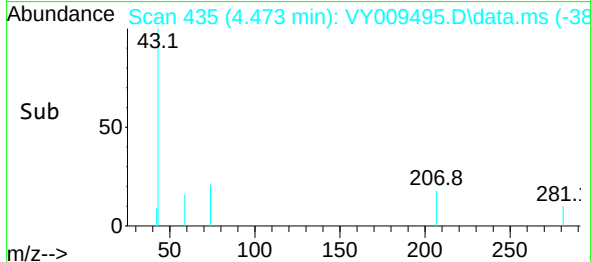
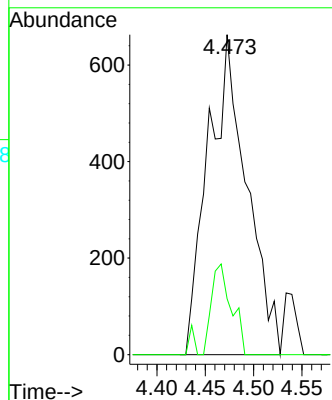
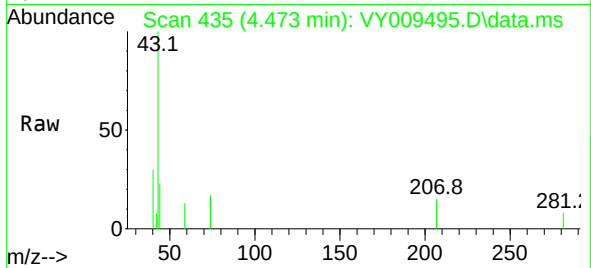




#18
Methyl Acetate
Concen: 1.179 ug/l
RT: 4.473 min Scan# 41
Delta R.T. 0.007 min
Lab File: VY009495.D
Acq: 08 Jul 2022 20:07

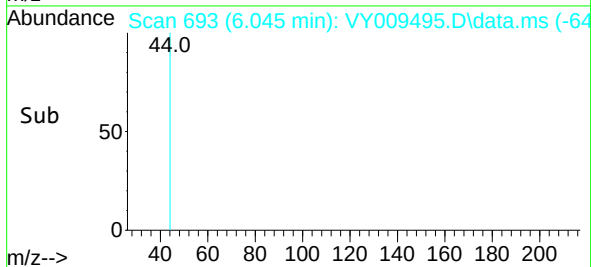
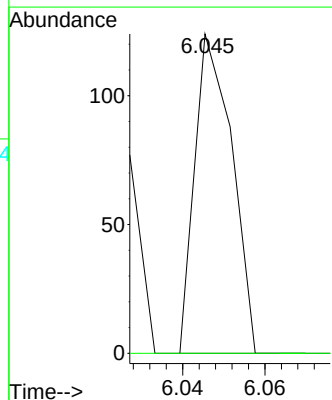
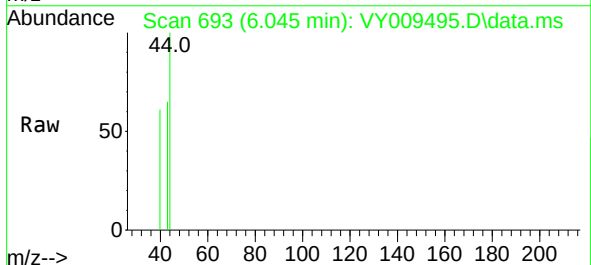
Instrument :
MSVOA_Y
ClientSampleId :
20220491C-9C

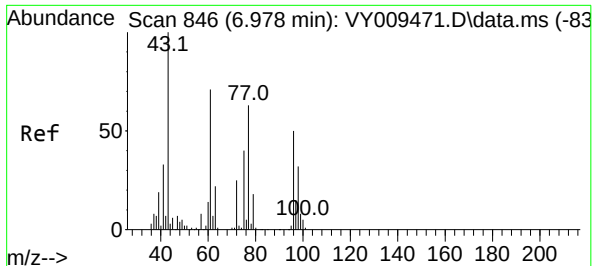
Tgt Ion: 43 Resp: 1844
Ion Ratio Lower Upper
43 100
74 14.6 16.6 24.8#



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.045 min Scan# 693
Delta R.T. -0.006 min
Lab File: VY009495.D
Acq: 08 Jul 2022 20:07

Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#





#25

2-Butanone

Concen: 4.027 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY009495.D

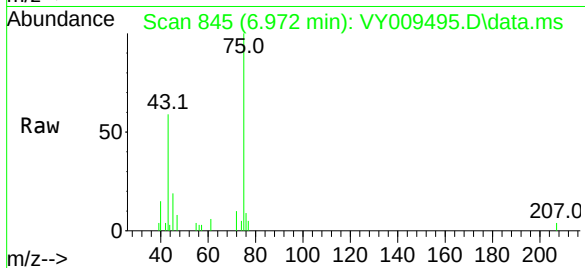
Acq: 08 Jul 2022 20:07

Instrument :

MSVOA_Y

ClientSampleId :

20220491C-9C

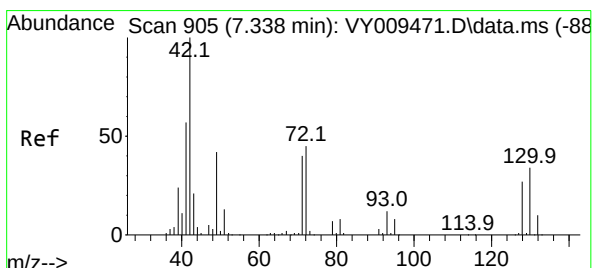
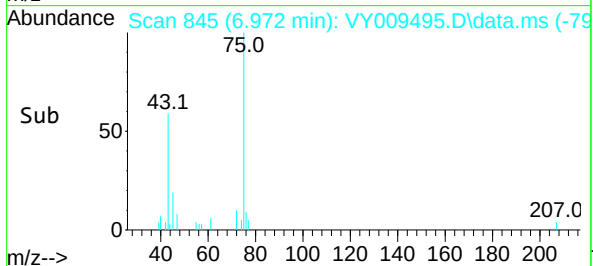
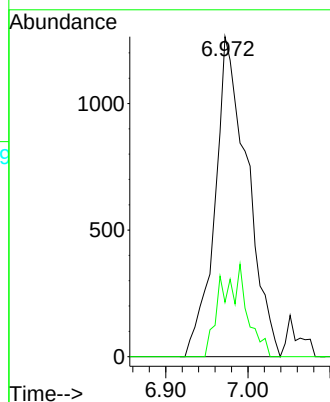


Tgt Ion: 43 Resp: 3471

Ion Ratio Lower Upper

43 100

72 17.0 17.7 26.5#



#29

Tetrahydrofuran

Concen: 1.116 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.012 min

Lab File: VY009495.D

Acq: 08 Jul 2022 20:07

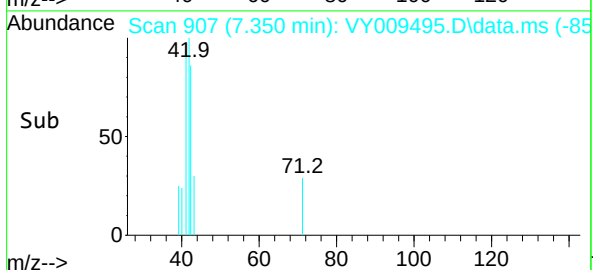
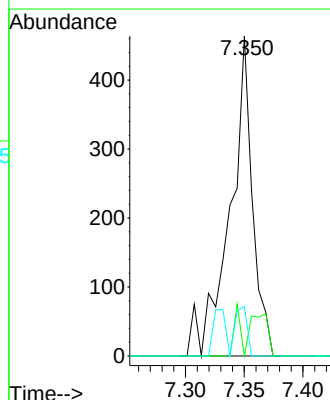
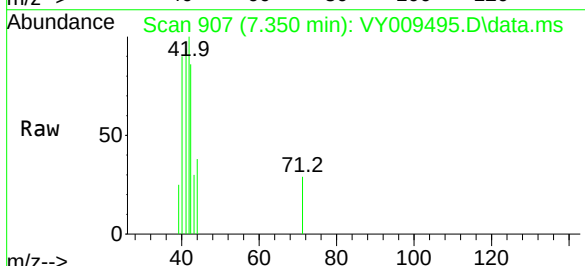
Tgt Ion: 42 Resp: 622

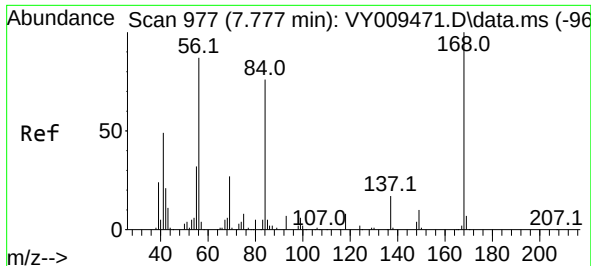
Ion Ratio Lower Upper

42 100

72 4.3 30.3 45.5#

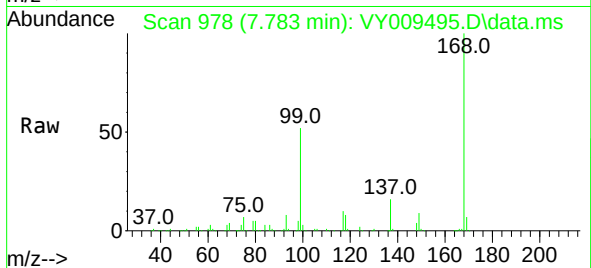
71 8.0 29.0 43.4#



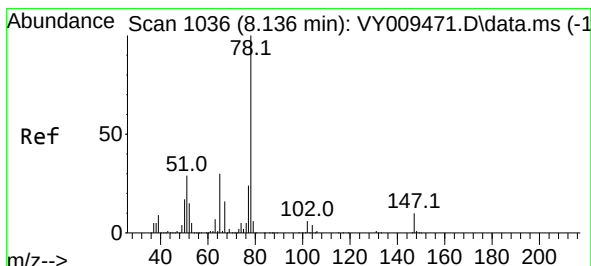
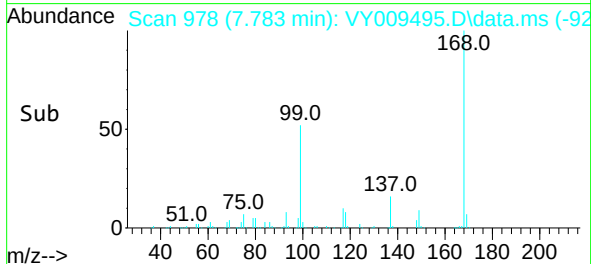
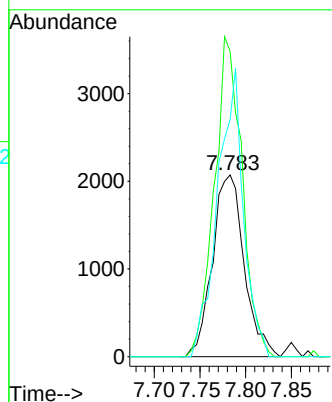


#31
Cyclohexane
Concen: 1.391 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009495.D
Acq: 08 Jul 2022 20:07

Instrument :
MSVOA_Y
ClientSampleId :
20220491C-9C

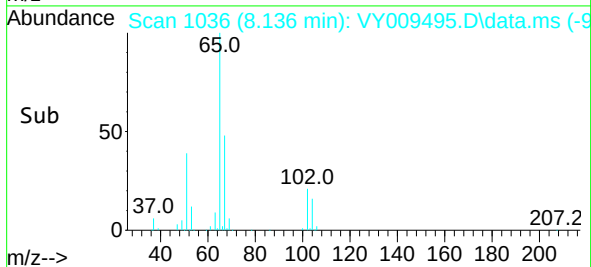
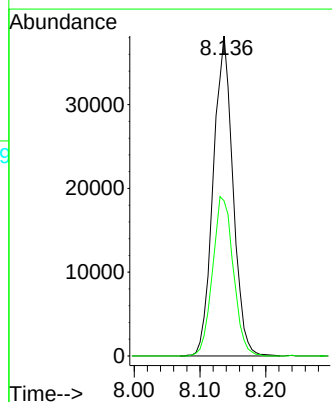
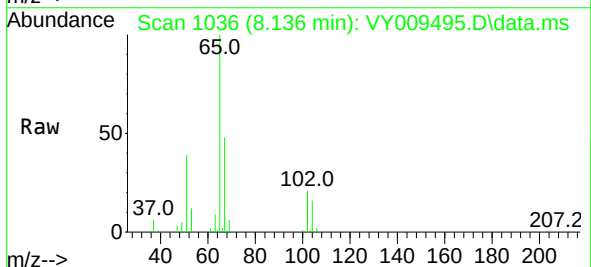


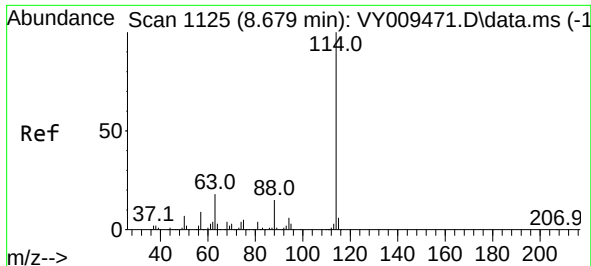
Tgt Ion: 56 Resp: 4999
Ion Ratio Lower Upper
56 100
69 168.0 26.7 40.1#
84 130.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 51.882 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY009495.D
Acq: 08 Jul 2022 20:07

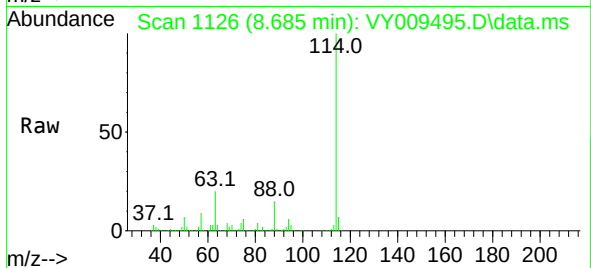
Tgt Ion: 65 Resp: 79679
Ion Ratio Lower Upper
65 100
67 52.4 0.0 99.4



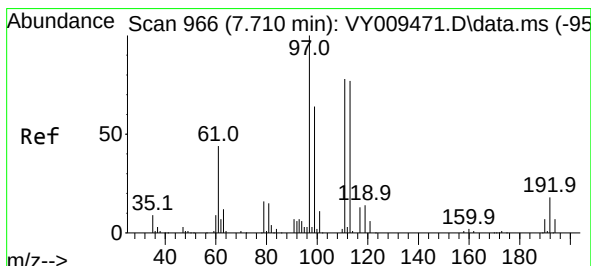
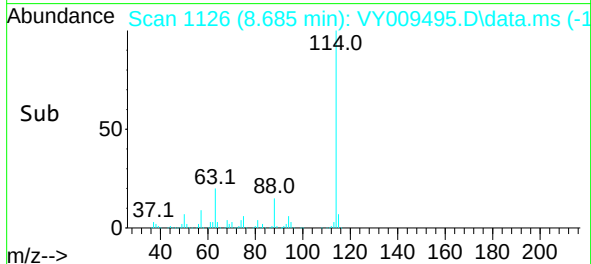
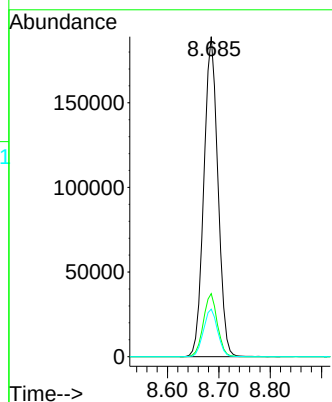


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VY009495.D
Acq: 08 Jul 2022 20:07

Instrument :
MSVOA_Y
ClientSampleId :
20220491C-9C

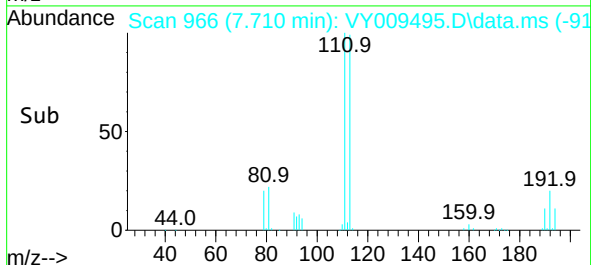
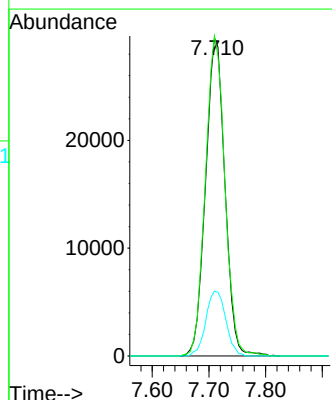
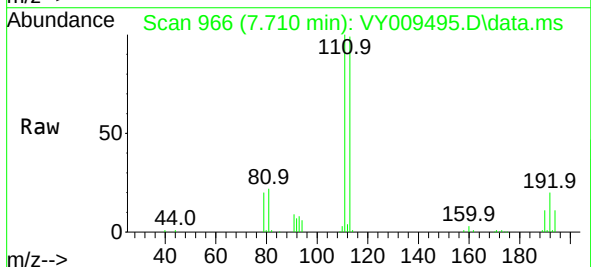


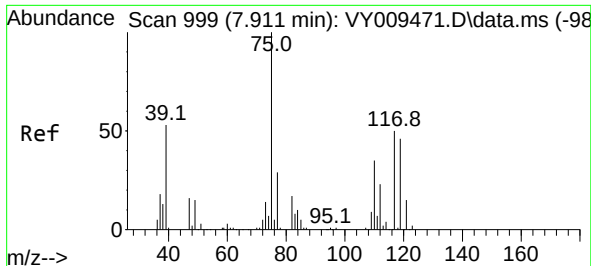
Tgt Ion:114 Resp: 357924
Ion Ratio Lower Upper
114 100
63 19.7 0.0 43.2
88 14.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 37.061 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009495.D
Acq: 08 Jul 2022 20:07

Tgt Ion:113 Resp: 69797
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 21.0 17.6 26.4

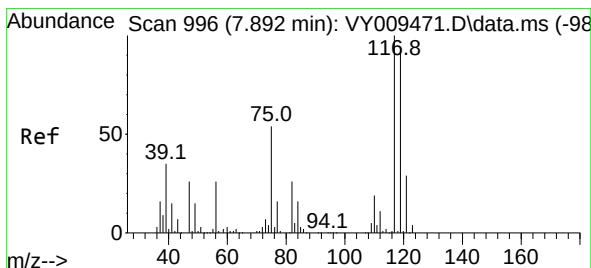
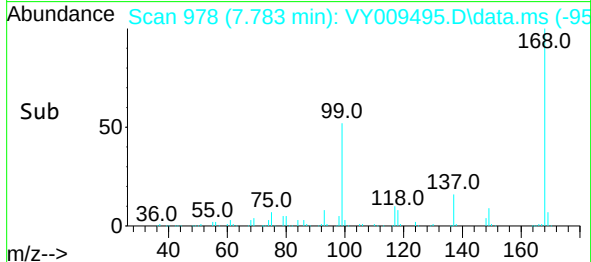
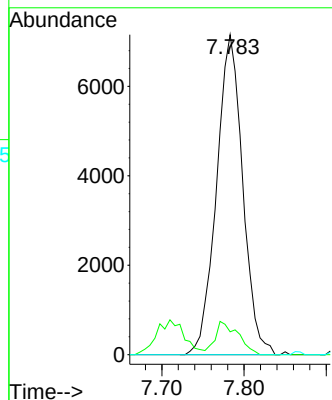
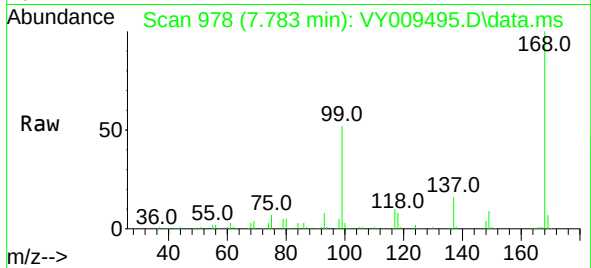




#36
 1,1-Dichloropropene
 Concen: 5.169 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY009495.D
 Acq: 08 Jul 2022 20:07

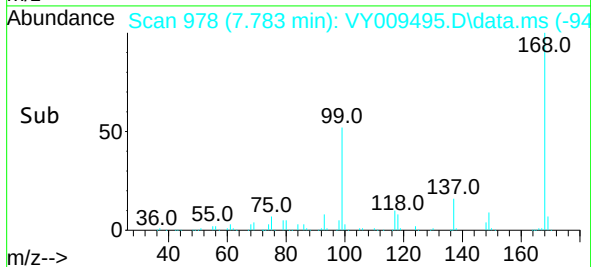
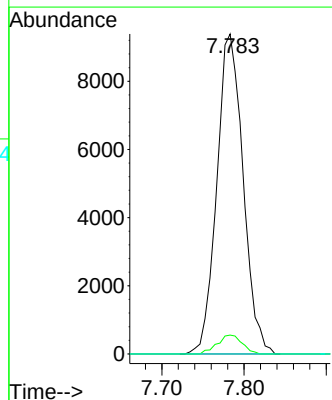
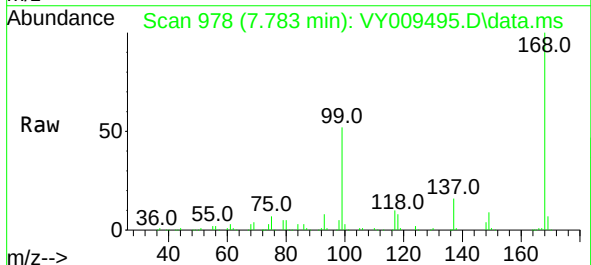
Instrument :
 MSVOA_Y
 ClientSampleId :
 20220491C-9C

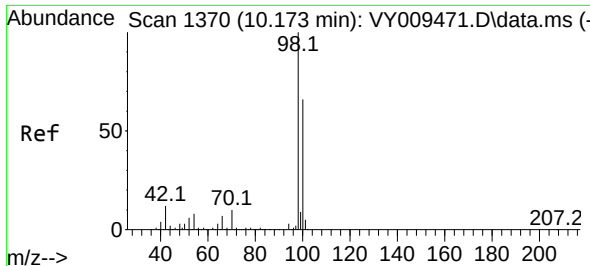
Tgt Ion: 75 Resp: 15848
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.364 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.109 min
 Lab File: VY009495.D
 Acq: 08 Jul 2022 20:07

Tgt Ion: 117 Resp: 20868
 Ion Ratio Lower Upper
 117 100
 119 5.9 77.9 116.9#
 121 0.0 24.8 37.2#

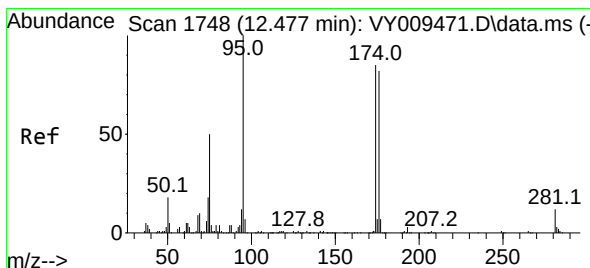
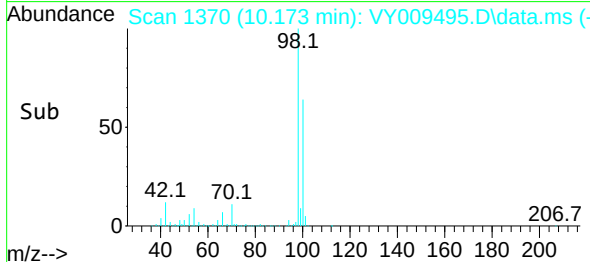
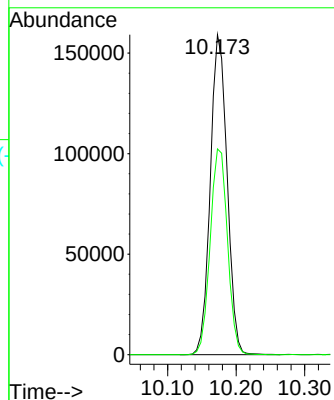
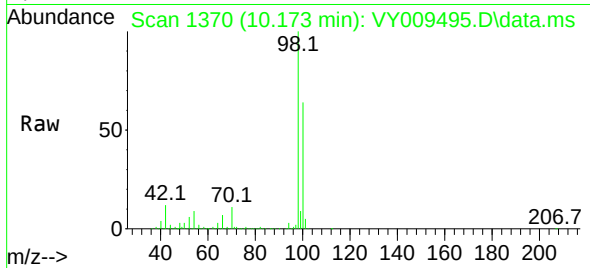




#50
Toluene-d8
Concen: 53.016 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009495.D
Acq: 08 Jul 2022 20:07

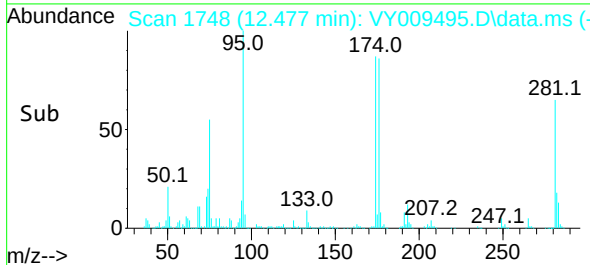
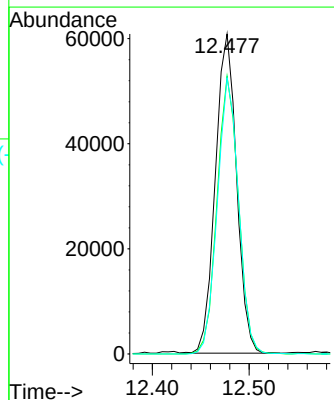
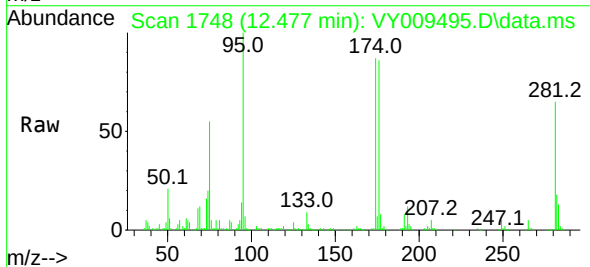
Instrument :
MSVOA_Y
ClientSampleId :
20220491C-9C

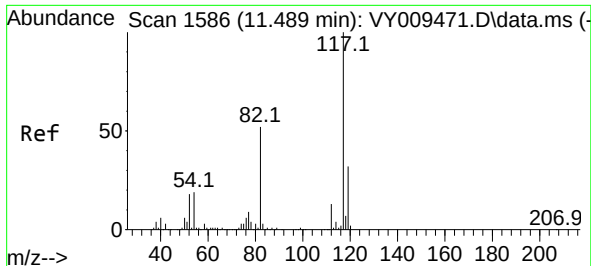
Tgt Ion: 98 Resp: 271218
Ion Ratio Lower Upper
98 100
100 66.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 34.802 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009495.D
Acq: 08 Jul 2022 20:07

Tgt Ion: 95 Resp: 92519
Ion Ratio Lower Upper
95 100
174 87.4 0.0 177.0
176 86.3 0.0 175.8

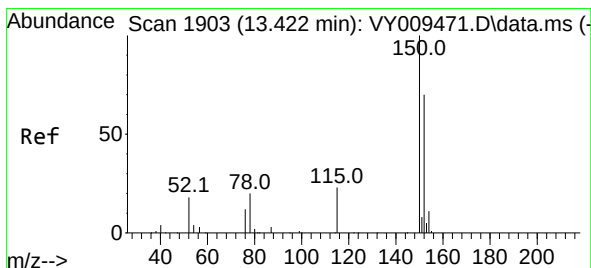
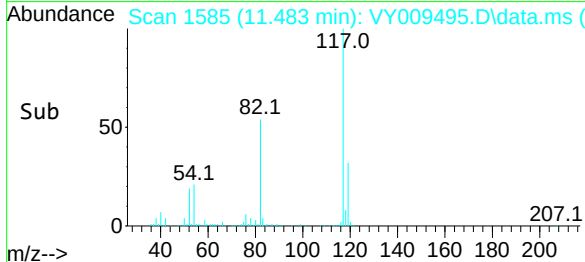
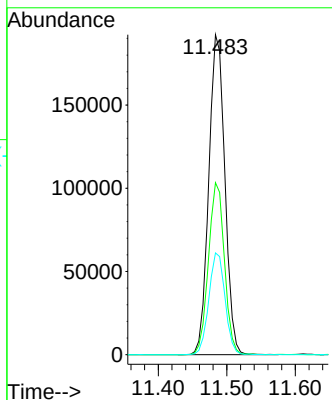
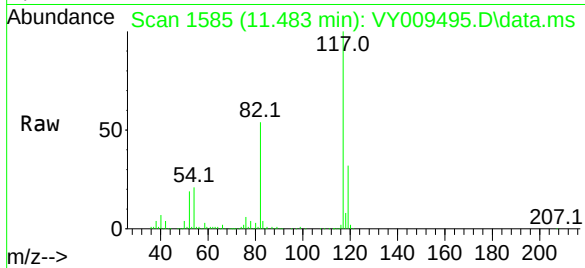




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009495.D
Acq: 08 Jul 2022 20:07

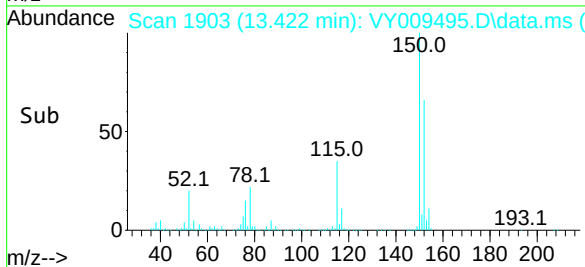
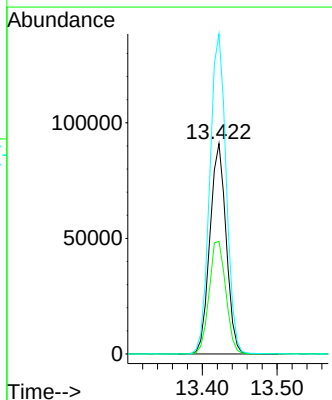
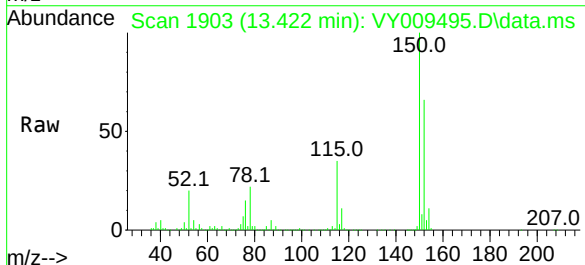
Instrument :
MSVOA_Y
ClientSampleId :
20220491C-9C

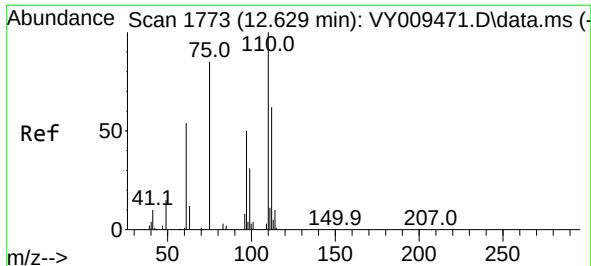
Tgt Ion:117 Resp: 314790
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009495.D
Acq: 08 Jul 2022 20:07

Tgt Ion:152 Resp: 137346
Ion Ratio Lower Upper
152 100
115 55.1 28.2 84.7
150 153.2 0.0 347.6

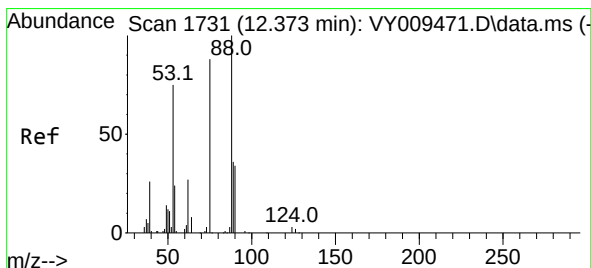
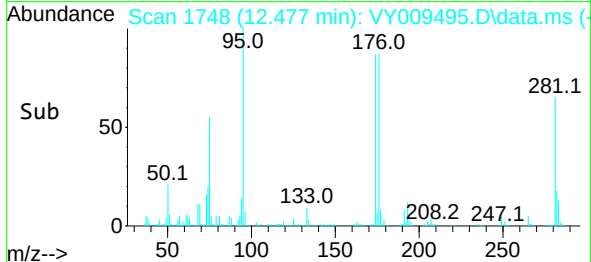
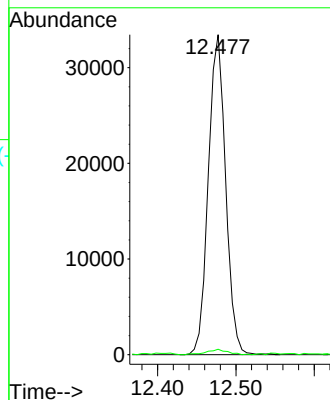
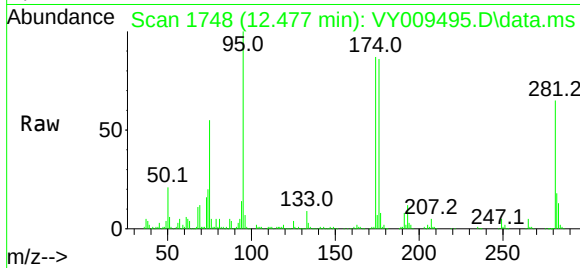




#76
1,2,3-Trichloropropane
Concen: 35.251 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009495.D
Acq: 08 Jul 2022 20:07

Instrument :
MSVOA_Y
ClientSampleId :
20220491C-9C

Tgt Ion: 75 Resp: 51252
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.146 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009495.D
Acq: 08 Jul 2022 20:07

Tgt Ion: 75 Resp: 51252
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 1.2 37.0 55.4#

