

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
 Data File : VY009494.D
 Acq On : 08 Jul 2022 19:43
 Operator : KP/MD
 Sample : N3595-14
 Misc : 6.64g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220491B-9B

Quant Time: Jul 11 02:16:30 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)

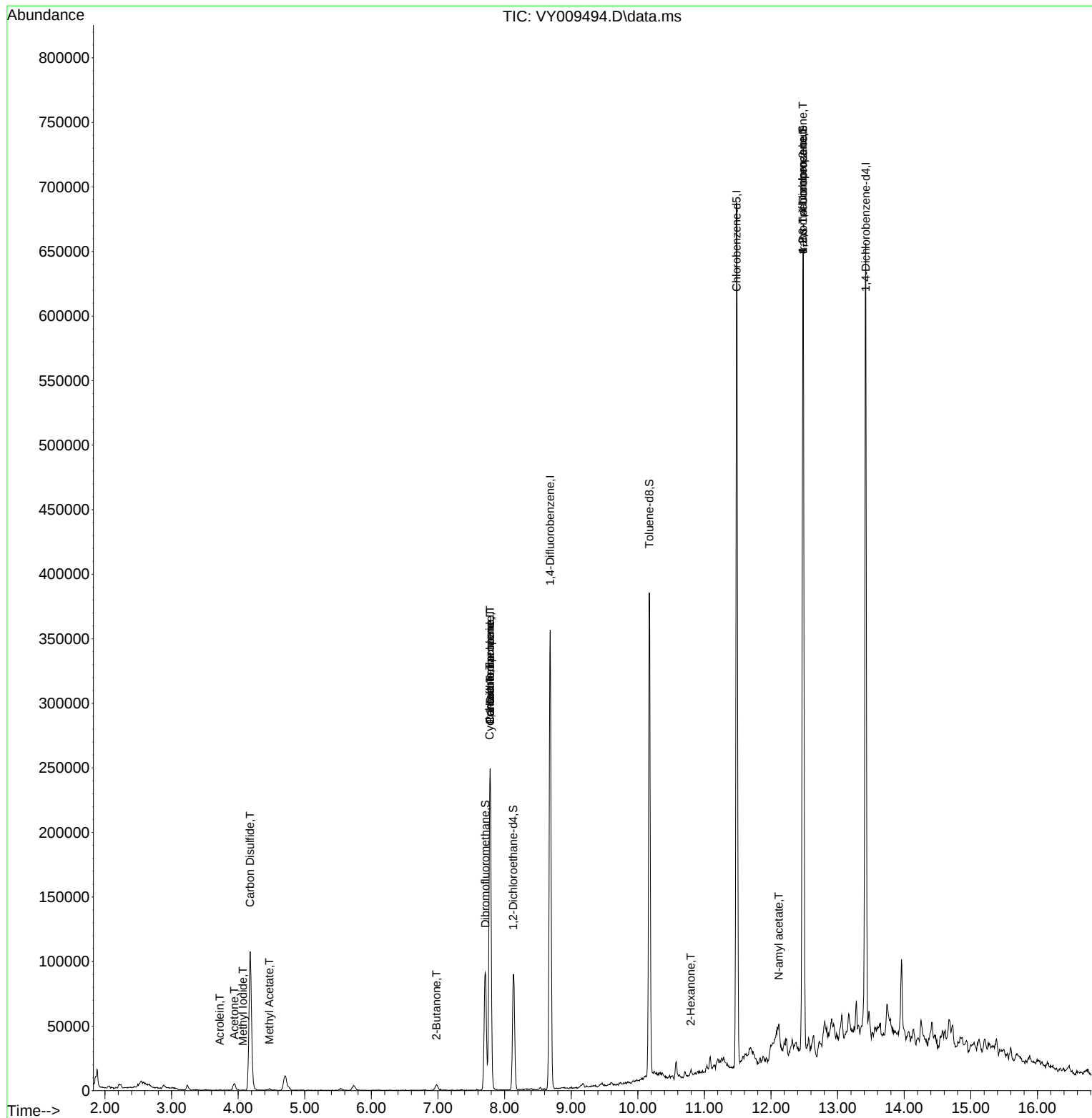
Internal Standards						
1) Pentafluorobenzene	7.783	168	210979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	317776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	348213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	156625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	72912	48.920	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.840%
35) Dibromofluoromethane	7.710	113	64433	38.536	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	77.080%
50) Toluene-d8	10.173	98	242061	53.345	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	106.700%
62) 4-Bromofluorobenzene	12.477	95	112642	47.725	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	95.460%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.070	142	242	4.251	ug/l #	35
11) Tert butyl alcohol	4.942	59	287	Below Cal		98
13) Acrolein	3.723	56	149	31.022	ug/l #	29
16) Acetone	3.942	43	9289	18.099	ug/l #	84
17) Carbon Disulfide	4.180	76	215712	38.706	ug/l	99
18) Methyl Acetate	4.466	43	1940	1.287	ug/l #	89
20) Methylene Chloride	4.704	84	8559	Below Cal		98
23) Vinyl Acetate	6.125	43	43	Below Cal	#	75
25) 2-Butanone	6.978	43	2622	3.158	ug/l	98
31) Cyclohexane	7.777	56	3678	1.063	ug/l #	12
36) 1,1-Dichloropropene	7.783	75	12726	4.675	ug/l #	52
38) Carbon Tetrachloride	7.783	117	19386	6.659	ug/l #	16
59) 2-Hexanone	10.795	43	2613	2.252	ug/l #	28
74) N-amyl acetate	12.117	43	3900	1.280	ug/l #	47
76) 1,2,3-Trichloropropane	12.477	75	60257	36.343	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	60257	74.381	ug/l #	8

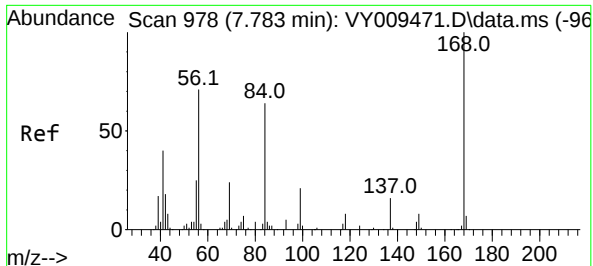
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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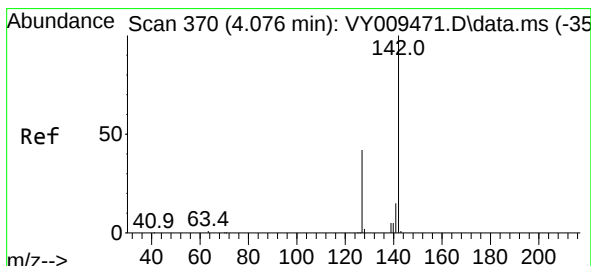
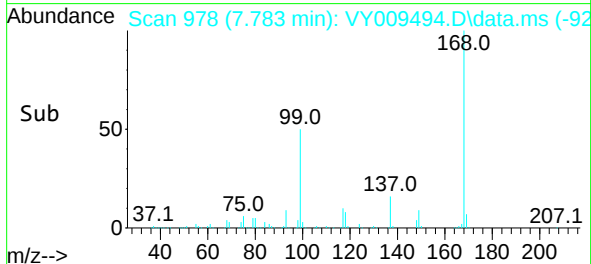
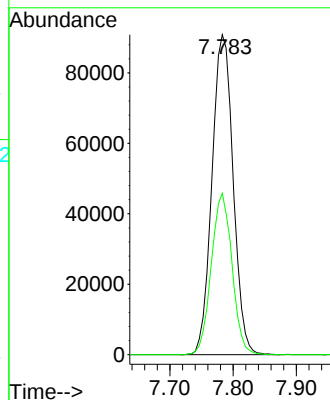
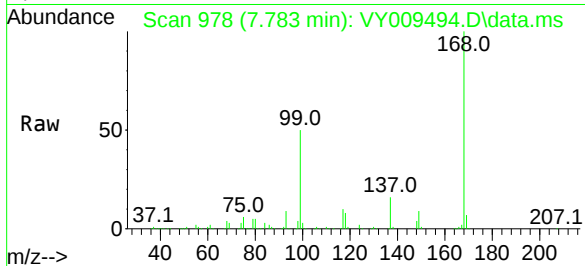




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009494.D
Acq: 08 Jul 2022 19:43

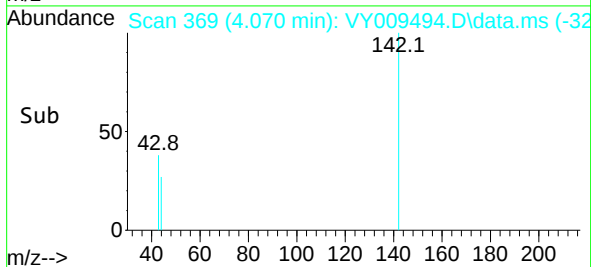
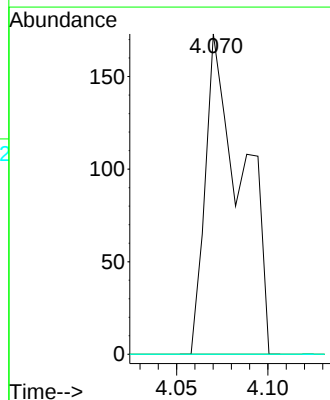
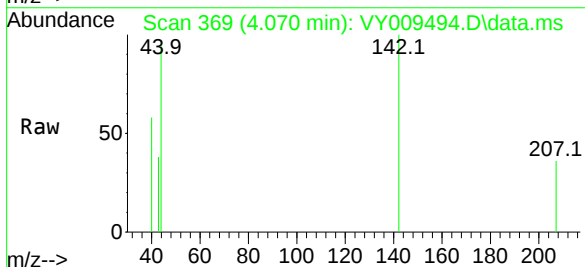
Instrument :
MSVOA_Y
ClientSampleId :
20220491B-9B

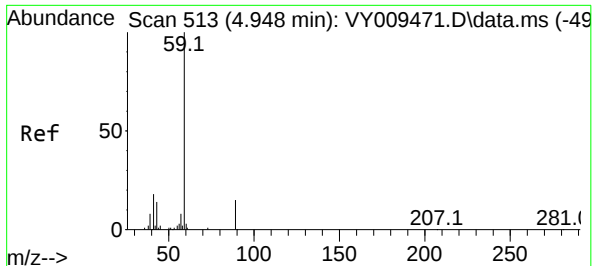
Tgt Ion:168 Resp: 210979
Ion Ratio Lower Upper
168 100
99 50.4 46.9 70.3



#10
Methyl Iodide
Concen: 4.251 ug/l
RT: 4.070 min Scan# 369
Delta R.T. -0.006 min
Lab File: VY009494.D
Acq: 08 Jul 2022 19:43

Tgt Ion:142 Resp: 242
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: VY009494.D

Acq: 08 Jul 2022 19:43

Instrument :

MSVOA_Y

ClientSampleId :

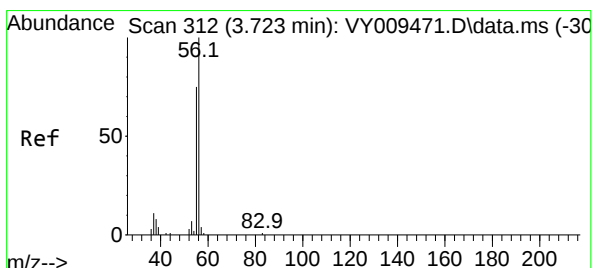
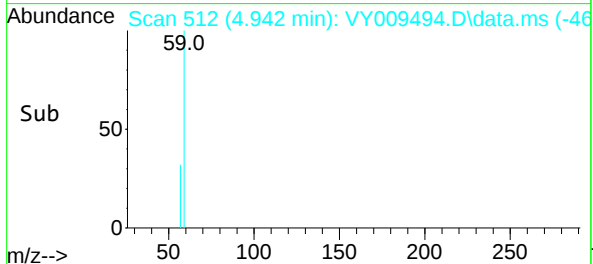
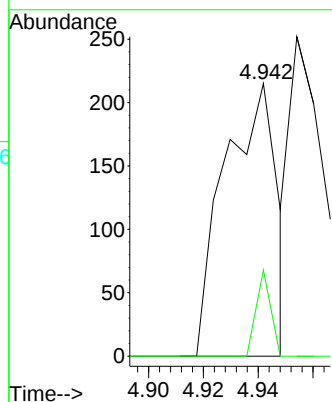
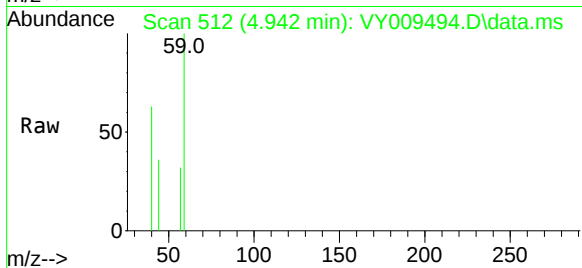
20220491B-9B

Tgt Ion: 59 Resp: 287

Ion Ratio Lower Upper

59 100

57 8.7 6.4 9.6



#13

Acrolein

Concen: 31.022 ug/l

RT: 3.723 min Scan# 312

Delta R.T. -0.000 min

Lab File: VY009494.D

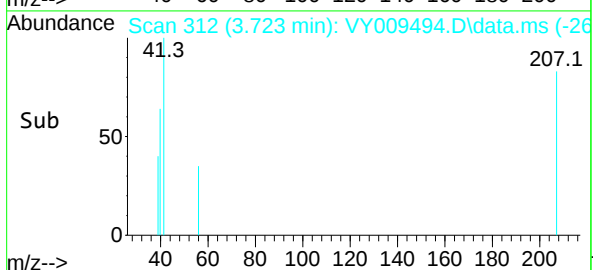
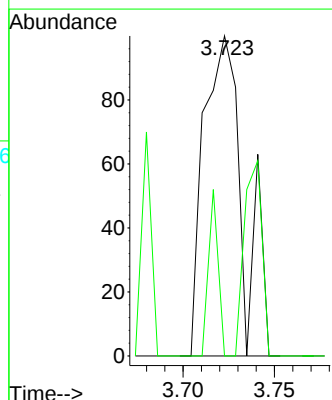
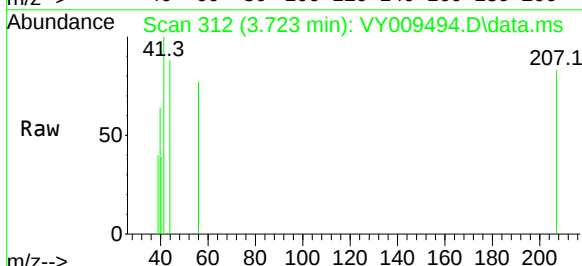
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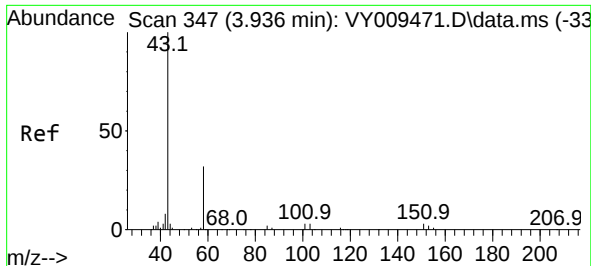
Tgt Ion: 56 Resp: 149

Ion Ratio Lower Upper

56 100

55 12.8 57.6 86.4#

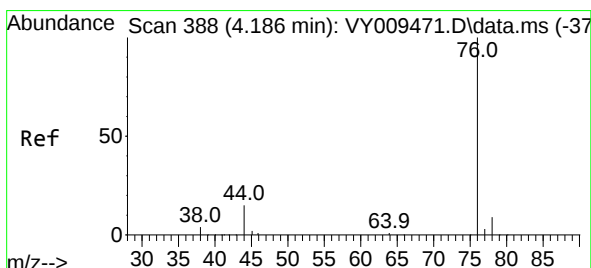
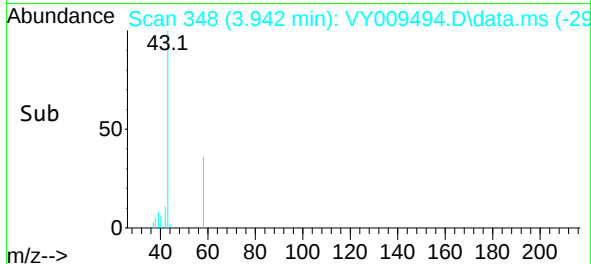
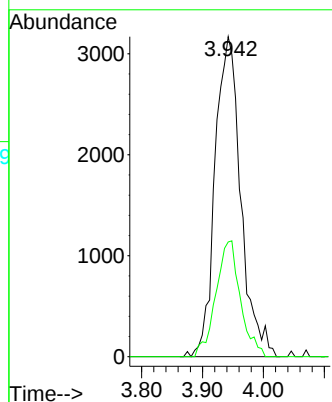
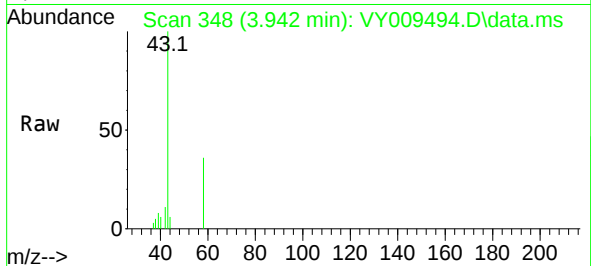




#16
Acetone
Concen: 18.099 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY009494.D
Acq: 08 Jul 2022 19:43

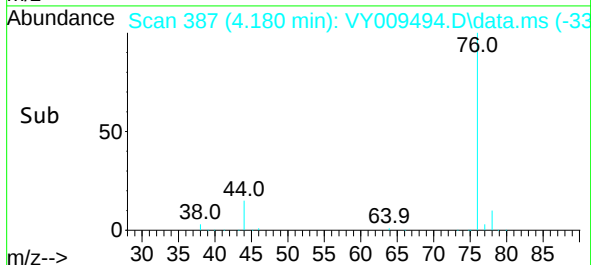
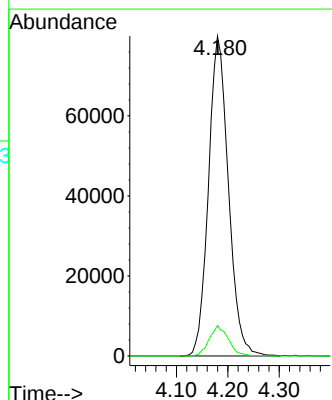
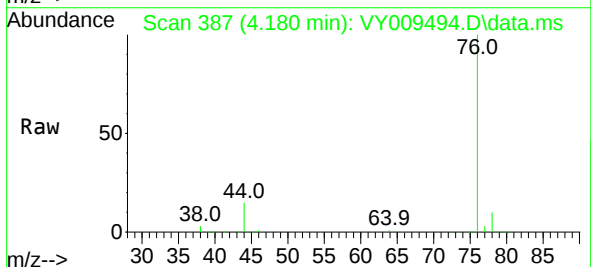
Instrument :
MSVOA_Y
ClientSampleId :
20220491B-9B

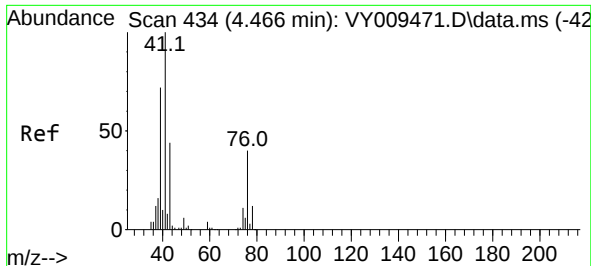
Tgt Ion: 43 Resp: 9289
Ion Ratio Lower Upper
43 100
58 35.8 22.0 33.0#



#17
Carbon Disulfide
Concen: 38.706 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY009494.D
Acq: 08 Jul 2022 19:43

Tgt Ion: 76 Resp: 215712
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0





#18

Methyl Acetate

Concen: 1.287 ug/l

RT: 4.466 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY009494.D

Acq: 08 Jul 2022 19:43

Instrument :

MSVOA_Y

ClientSampleId :

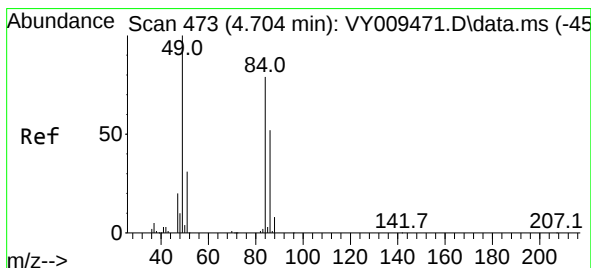
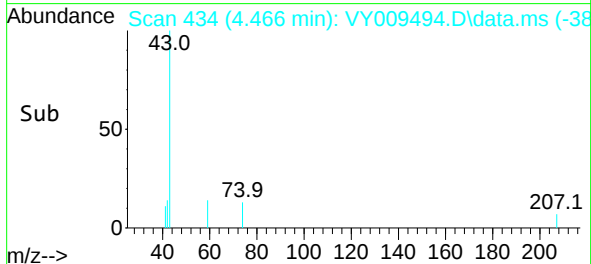
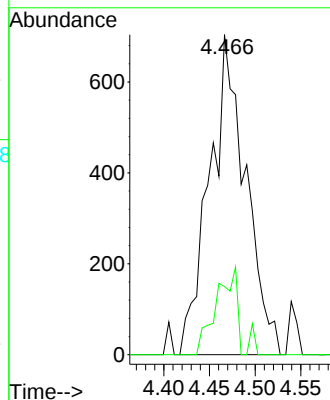
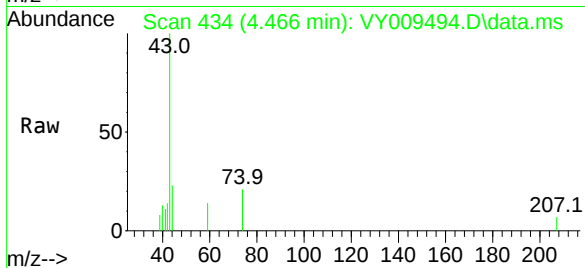
20220491B-9B

Tgt Ion: 43 Resp: 1940

Ion Ratio Lower Upper

43 100

74 15.7 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY009494.D

Acq: 08 Jul 2022 19:43

Tgt Ion: 84 Resp: 8559

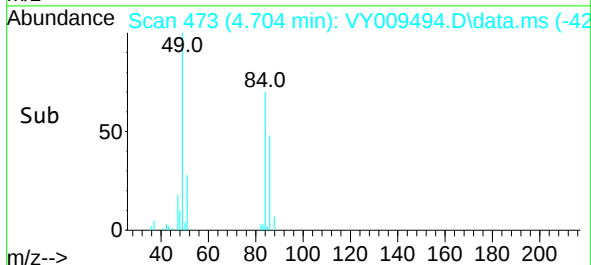
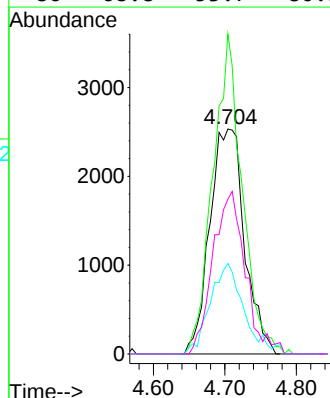
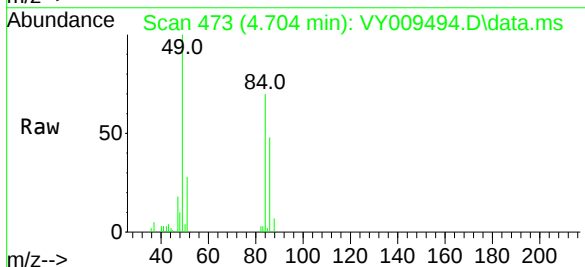
Ion Ratio Lower Upper

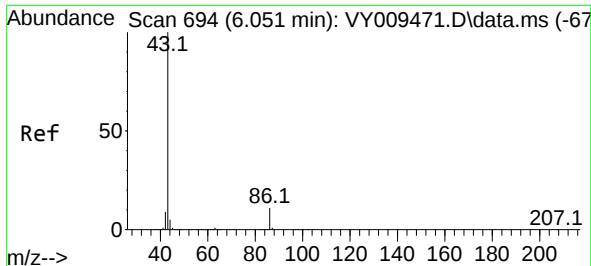
84 100

49 142.2 114.4 171.6

51 40.2 35.3 52.9

86 68.8 53.7 80.5

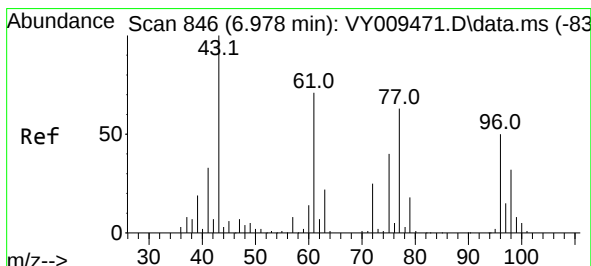
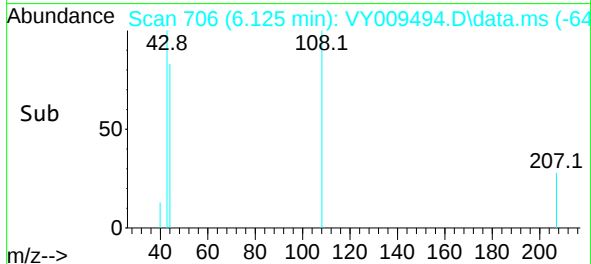
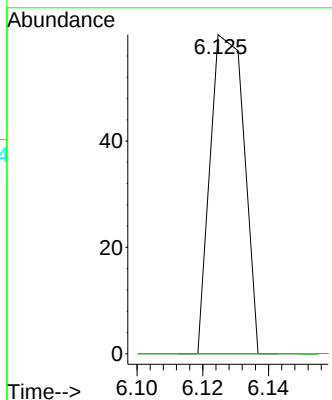
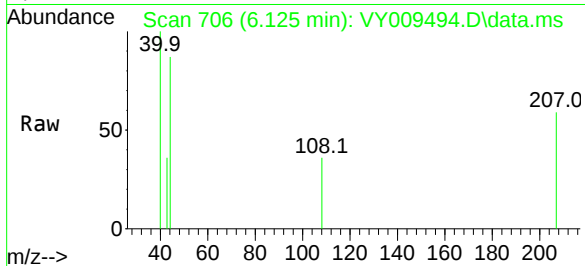




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 6.125 min Scan# 706
 Delta R.T. 0.074 min
 Lab File: VY009494.D
 Acq: 08 Jul 2022 19:43

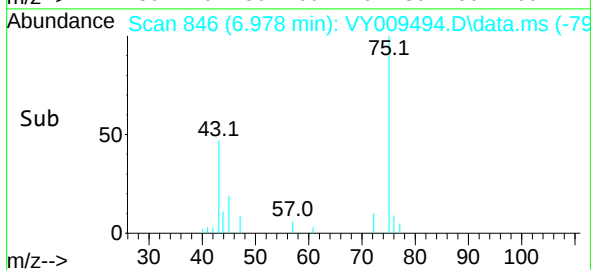
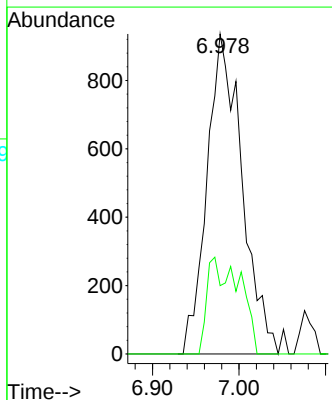
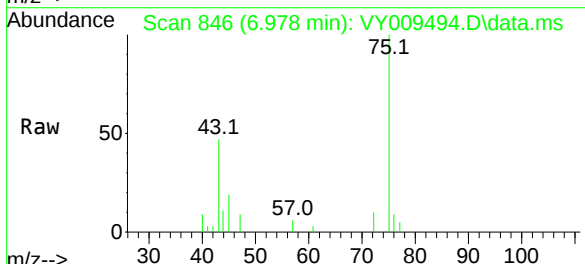
Instrument :
 MSVOA_Y
 ClientSampleId :
 20220491B-9B

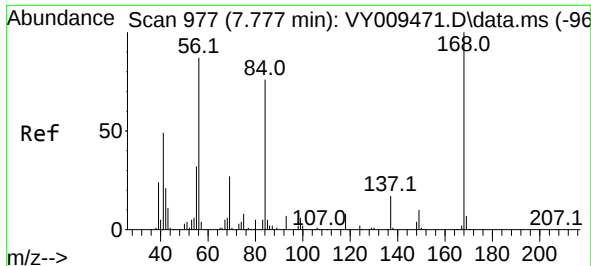
Tgt Ion: 43 Resp: 43
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 3.158 ug/l
 RT: 6.978 min Scan# 846
 Delta R.T. 0.000 min
 Lab File: VY009494.D
 Acq: 08 Jul 2022 19:43

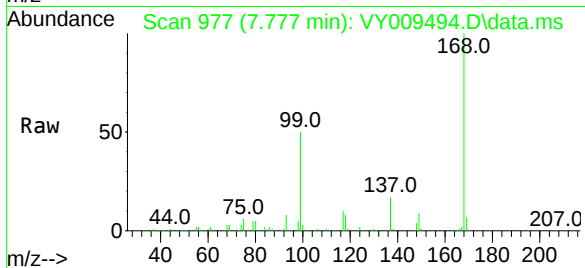
Tgt Ion: 43 Resp: 2622
 Ion Ratio Lower Upper
 43 100
 72 21.4 17.7 26.5



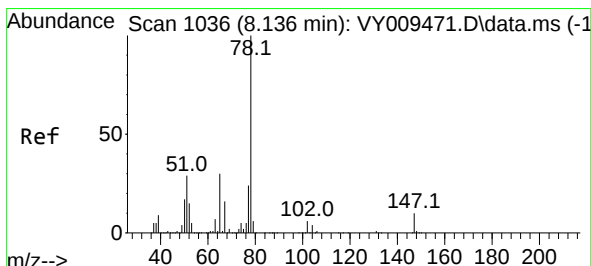
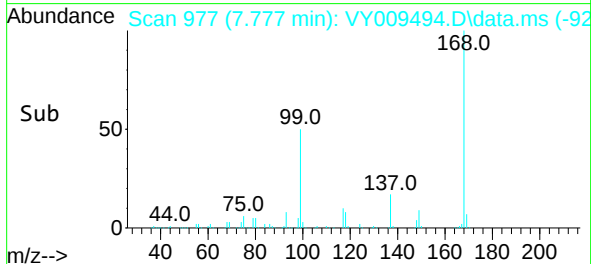
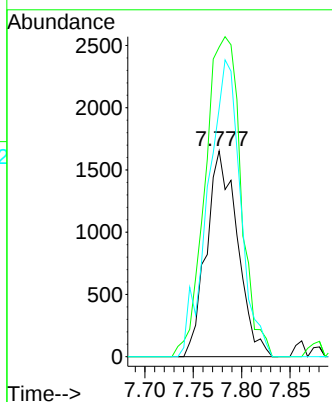


#31
Cyclohexane
Concen: 1.063 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009494.D
Acq: 08 Jul 2022 19:43

Instrument :
MSVOA_Y
ClientSampleId :
20220491B-9B

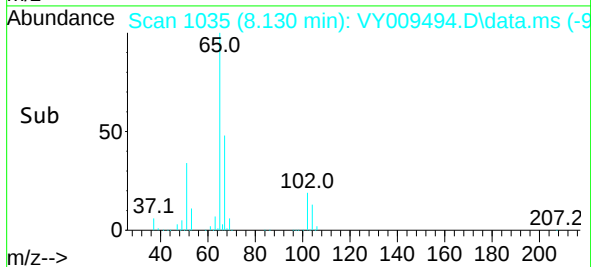
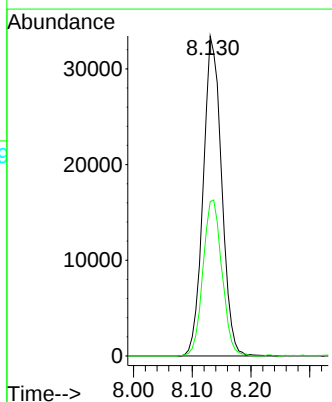
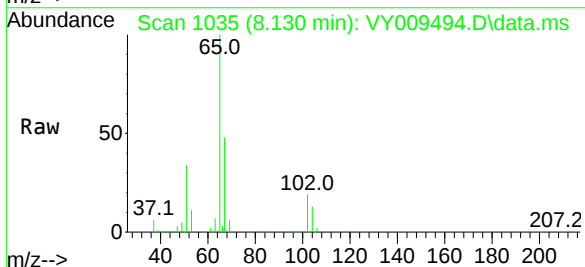


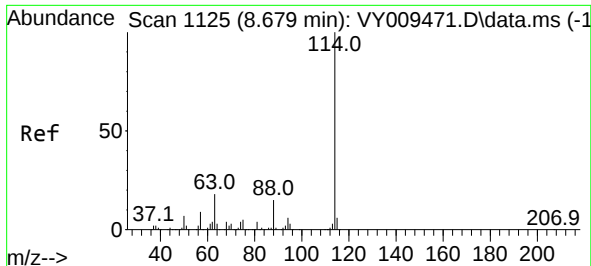
Tgt Ion: 56 Resp: 3678
Ion Ratio Lower Upper
56 100
69 150.5 26.7 40.1#
84 120.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 48.920 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009494.D
Acq: 08 Jul 2022 19:43

Tgt Ion: 65 Resp: 72912
Ion Ratio Lower Upper
65 100
67 50.1 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: VY009494.D

Acq: 08 Jul 2022 19:43

Instrument :

MSVOA_Y

ClientSampleId :

20220491B-9B

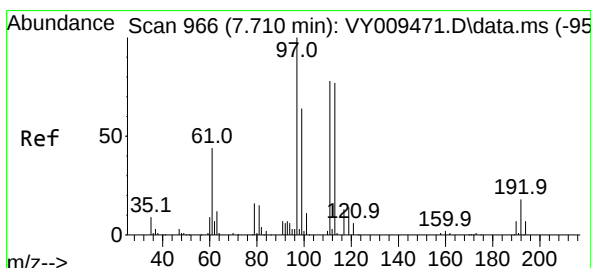
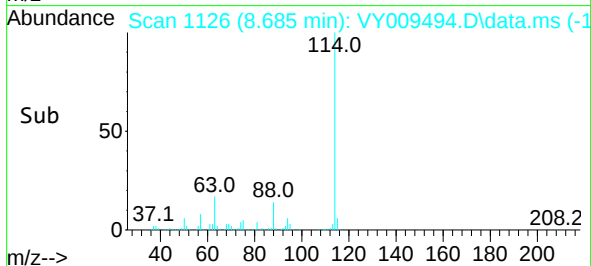
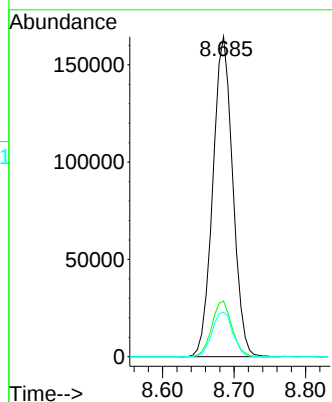
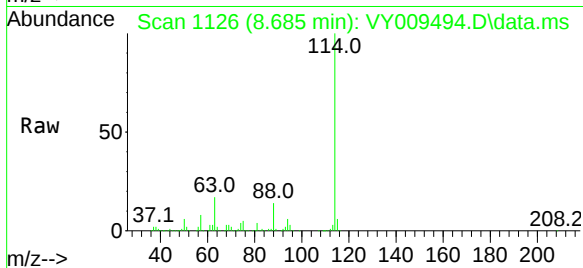
Tgt Ion:114 Resp: 317776

Ion Ratio Lower Upper

114 100

63 17.4 0.0 43.2

88 13.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 38.536 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009494.D

Acq: 08 Jul 2022 19:43

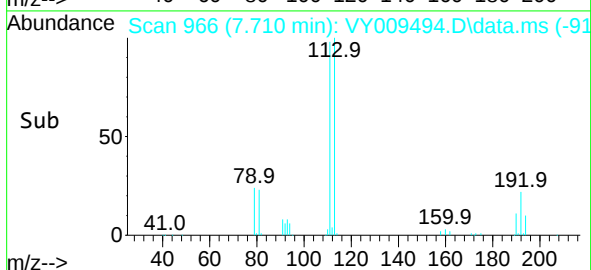
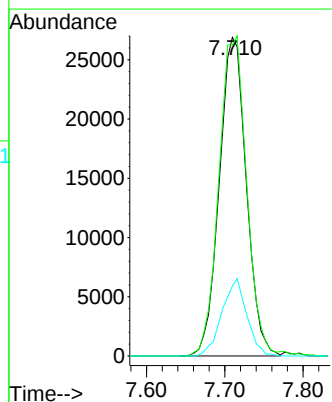
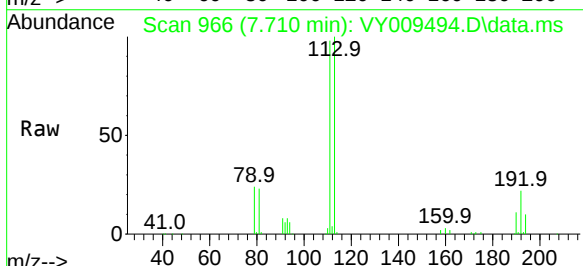
Tgt Ion:113 Resp: 64433

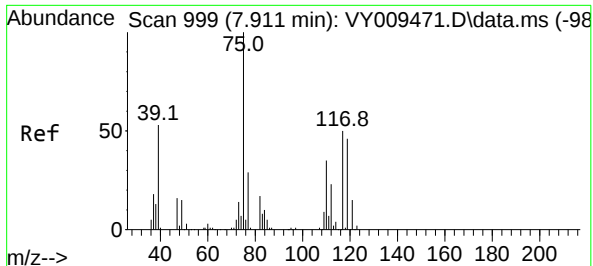
Ion Ratio Lower Upper

113 100

111 104.0 82.6 124.0

192 22.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.675 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY009494.D

Acq: 08 Jul 2022 19:43

Instrument :

MSVOA_Y

ClientSampleId :

20220491B-9B

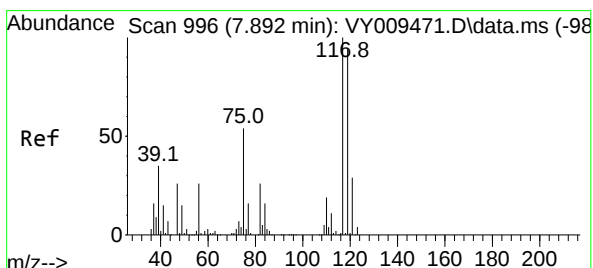
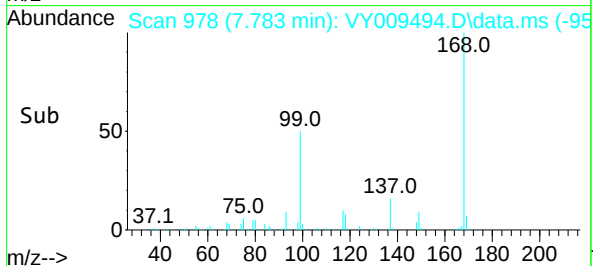
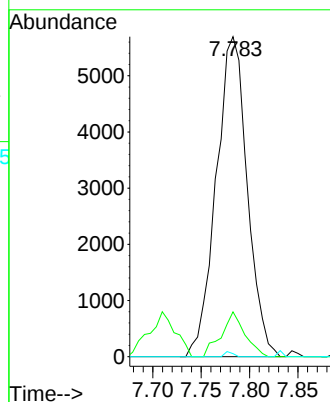
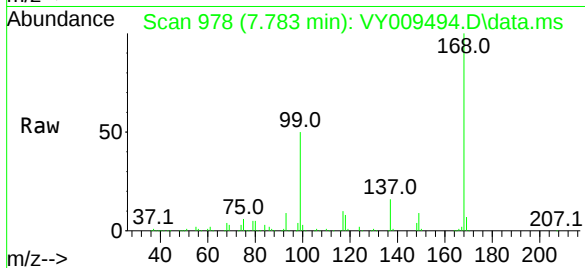
Tgt Ion: 75 Resp: 12726

Ion Ratio Lower Upper

75 100

110 10.6 17.1 51.2#

77 0.4 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.659 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.109 min

Lab File: VY009494.D

Acq: 08 Jul 2022 19:43

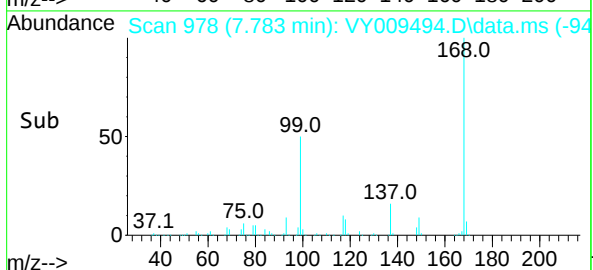
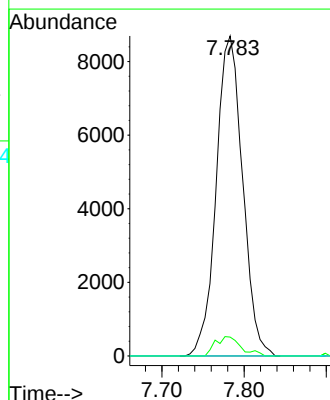
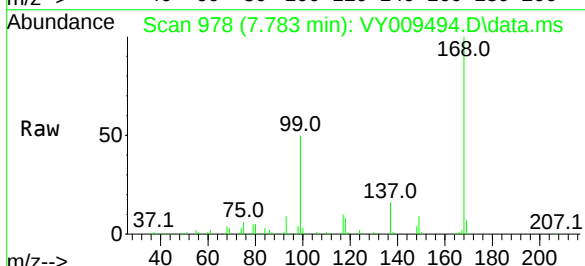
Tgt Ion: 117 Resp: 19386

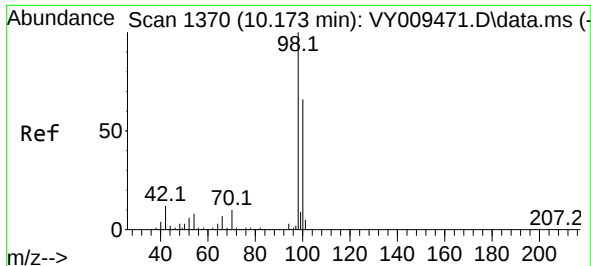
Ion Ratio Lower Upper

117 100

119 5.9 77.9 116.9#

121 0.0 24.8 37.2#

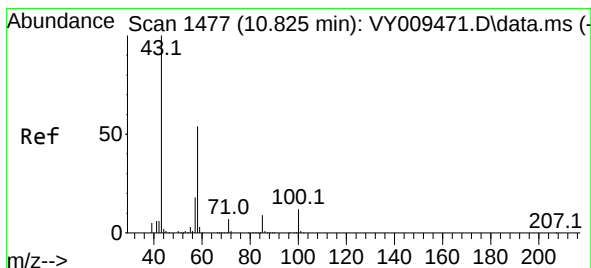
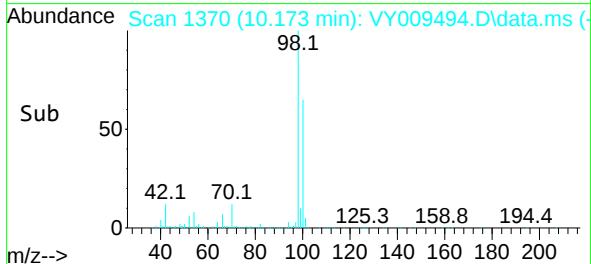
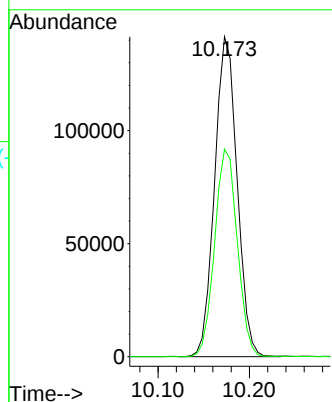
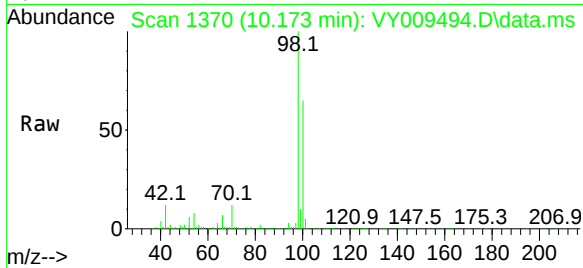




#50
Toluene-d8
Concen: 53.345 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009494.D
Acq: 08 Jul 2022 19:43

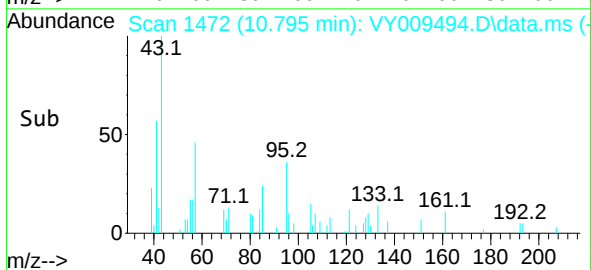
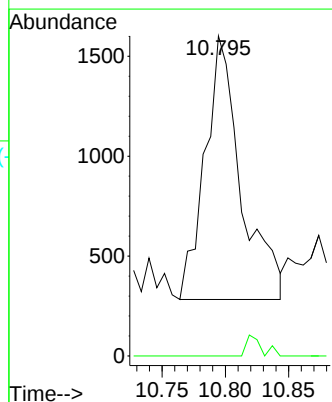
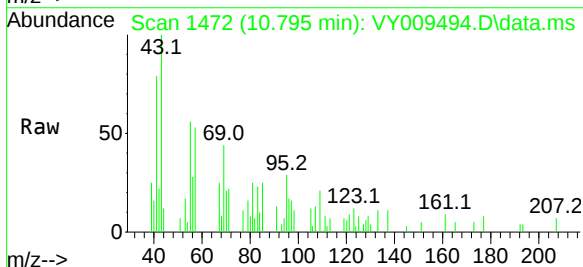
Instrument :
MSVOA_Y
ClientSampleId :
20220491B-9B

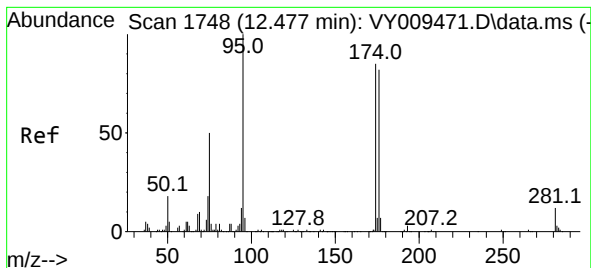
Tgt Ion: 98 Resp: 242061
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#59
2-Hexanone
Concen: 2.252 ug/l
RT: 10.795 min Scan# 1472
Delta R.T. -0.030 min
Lab File: VY009494.D
Acq: 08 Jul 2022 19:43

Tgt Ion: 43 Resp: 2613
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

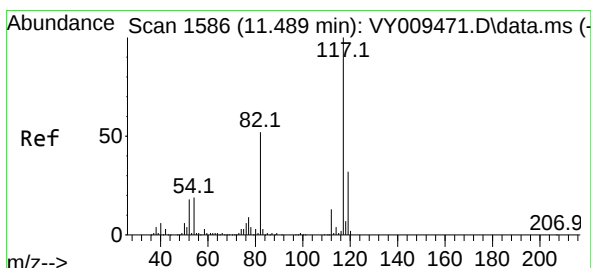
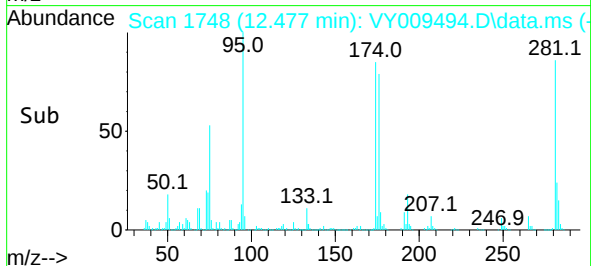
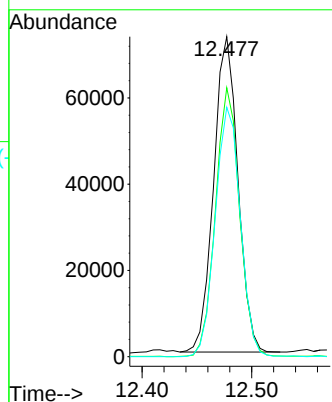
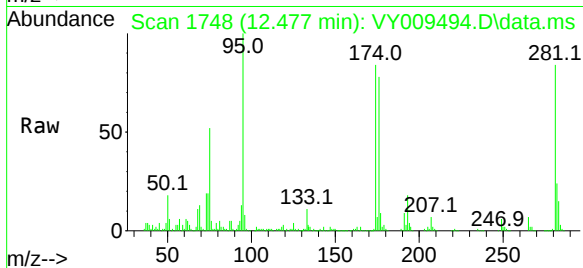




#62
4-Bromofluorobenzene
Concen: 47.725 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009494.D
Acq: 08 Jul 2022 19:43

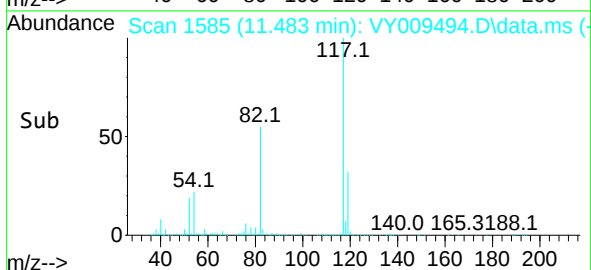
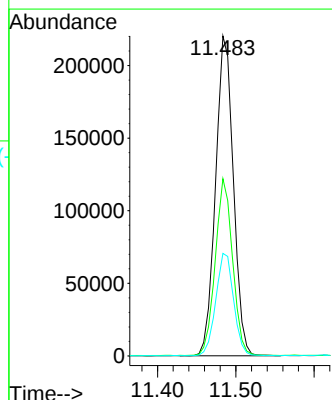
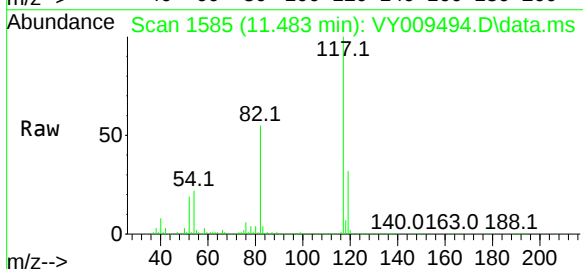
Instrument :
MSVOA_Y
ClientSampleId :
20220491B-9B

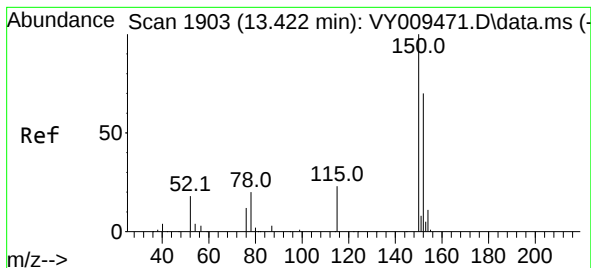
Tgt Ion: 95 Resp: 112642
Ion Ratio Lower Upper
95 100
174 84.7 0.0 177.0
176 81.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY009494.D
Acq: 08 Jul 2022 19:43

Tgt Ion: 117 Resp: 348213
Ion Ratio Lower Upper
117 100
82 55.2 43.0 64.4
119 31.9 25.4 38.0

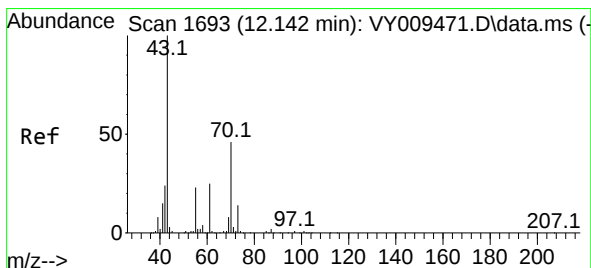
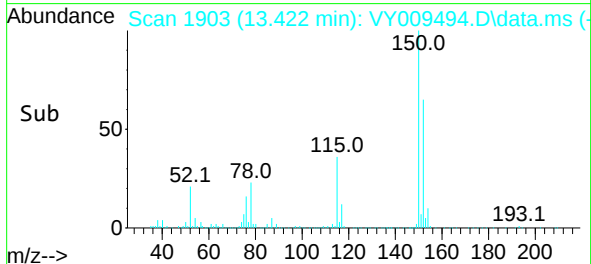
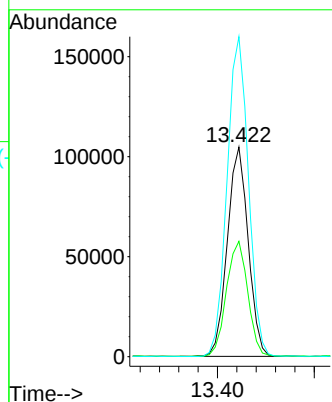
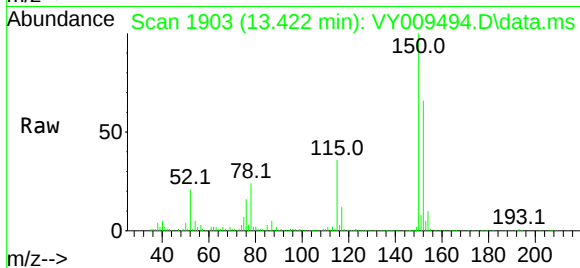




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009494.D
Acq: 08 Jul 2022 19:43

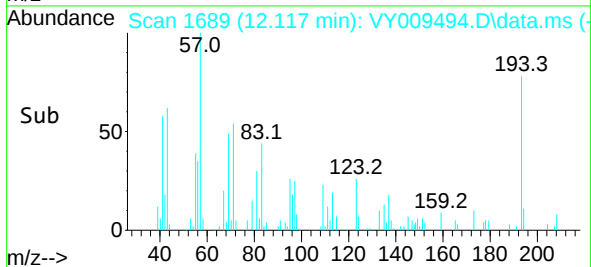
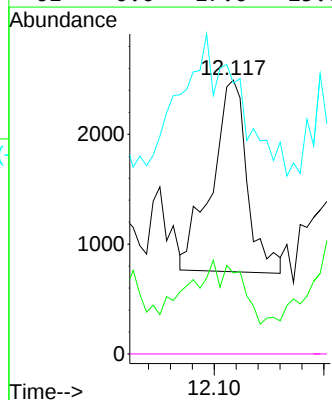
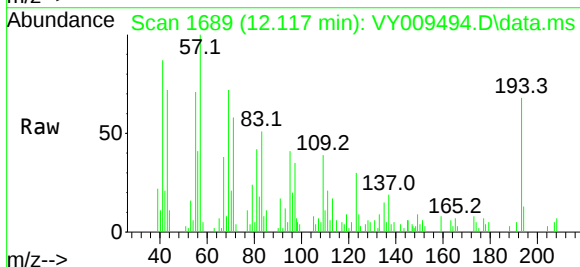
Instrument :
MSVOA_Y
ClientSampleId :
20220491B-9B

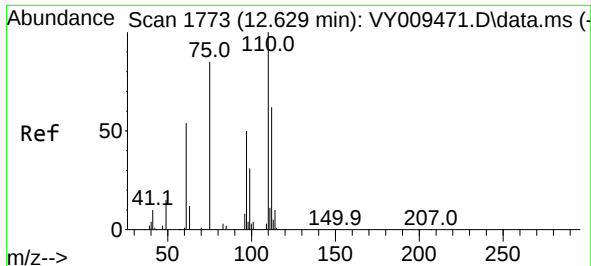
Tgt Ion:152 Resp: 156625
Ion Ratio Lower Upper
152 100
115 56.2 28.2 84.7
150 156.8 0.0 347.6



#74
N-ethyl acetate
Concen: 1.280 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.025 min
Lab File: VY009494.D
Acq: 08 Jul 2022 19:43

Tgt Ion: 43 Resp: 3900
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 0.0 17.3 25.9#
61 0.0 17.0 25.6#

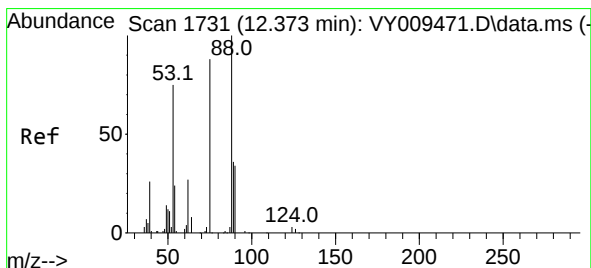
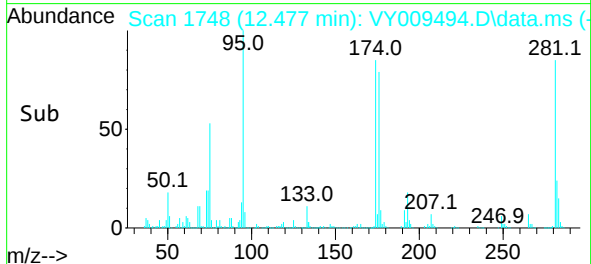
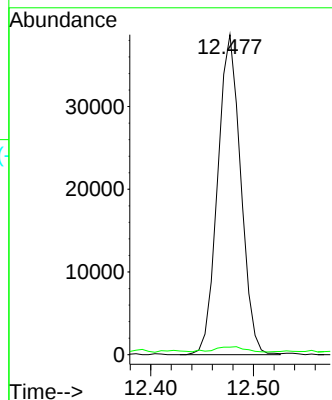
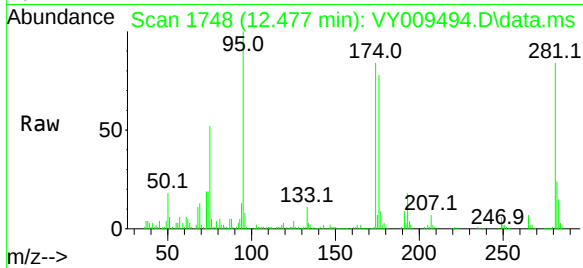




#76
1,2,3-Trichloropropane
Concen: 36.343 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY009494.D
Acq: 08 Jul 2022 19:43

Instrument :
MSVOA_Y
ClientSampleId :
20220491B-9B

Tgt Ion: 75 Resp: 60257
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.381 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009494.D
Acq: 08 Jul 2022 19:43

Tgt Ion: 75 Resp: 60257
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 1.7 37.0 55.4#

