

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
 Data File : VY009492.D
 Acq On : 08 Jul 2022 18:56
 Operator : KP/MD
 Sample : N3595-12
 Misc : 7.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220490C-8C

Quant Time: Jul 11 02:16:12 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)

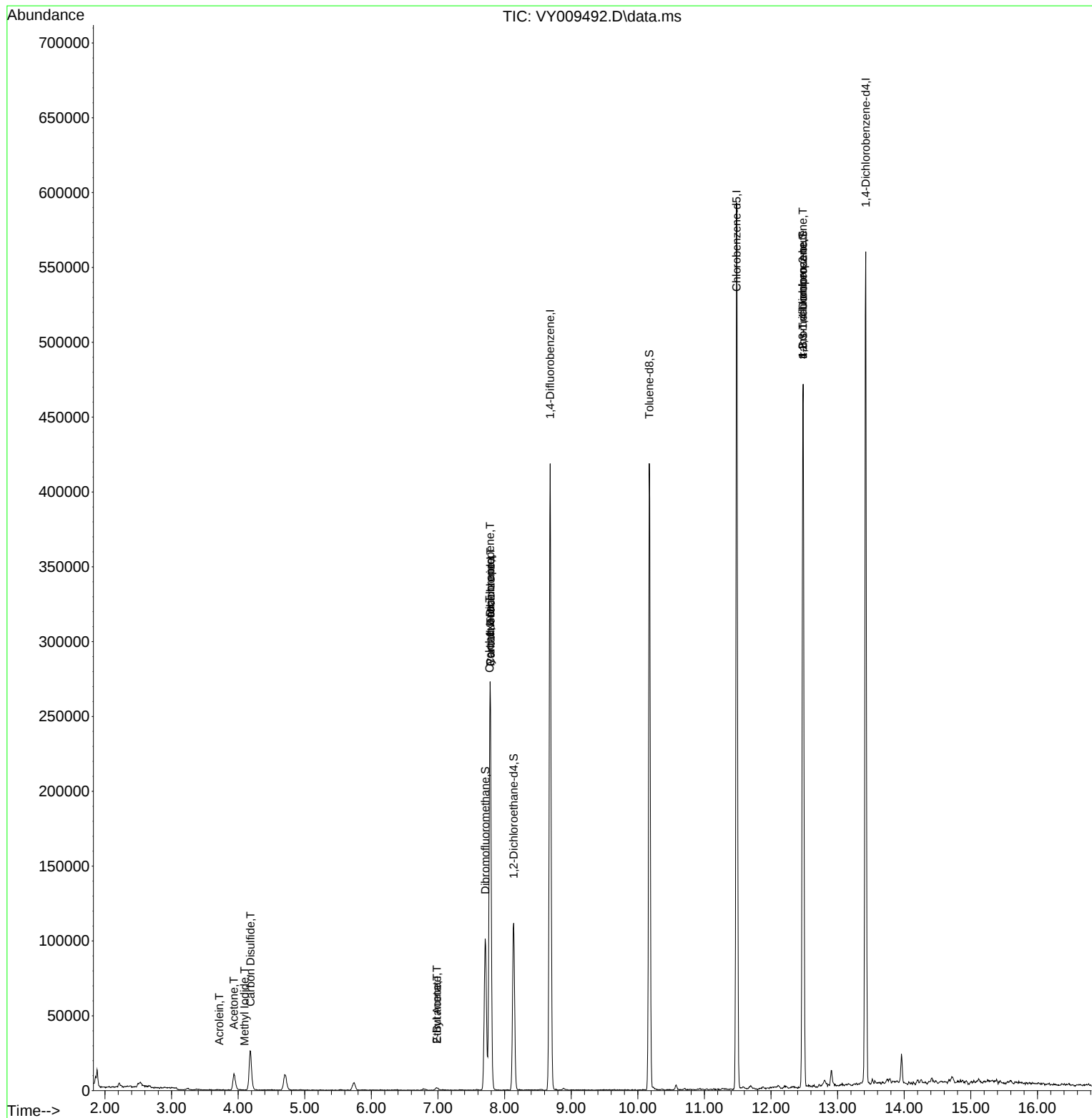
Internal Standards						
1) Pentafluorobenzene	7.789	168	214670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	345516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	310796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	85560	57.561	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.120%	
35) Dibromofluoromethane	7.710	113	70206	38.617	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 77.240%	
50) Toluene-d8	10.173	98	266398	54.113	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 108.220%	
62) 4-Bromofluorobenzene	12.477	95	95653	37.273	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 74.540%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	97	4.197	ug/l #	35
11) Tert butyl alcohol	4.942	59	391	Below Cal	#	77
13) Acrolein	3.716	56	102	30.766	ug/l #	31
16) Acetone	3.936	43	18775	35.952	ug/l	96
17) Carbon Disulfide	4.186	76	50524	12.313	ug/l	100
20) Methylene Chloride	4.698	84	7451	Below Cal		88
23) Vinyl Acetate	6.058	43	44	Below Cal	#	75
25) 2-Butanone	6.984	43	2869	3.396	ug/l #	86
31) Cyclohexane	7.777	56	4551	1.292	ug/l #	7
36) 1,1-Dichloropropene	7.783	75	15878	5.365	ug/l #	50
37) Ethyl Acetate	6.984	43	2869	1.546	ug/l #	72
38) Carbon Tetrachloride	7.789	117	20512	6.480	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	51937	34.455	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51937	70.518	ug/l #	8

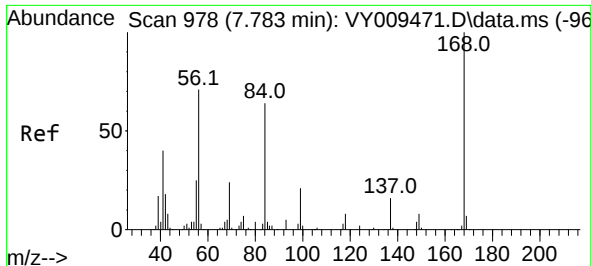
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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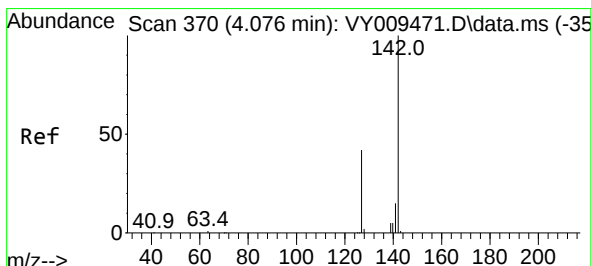
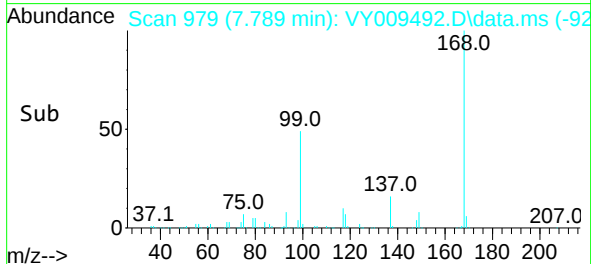
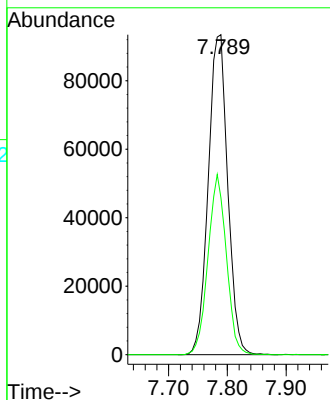
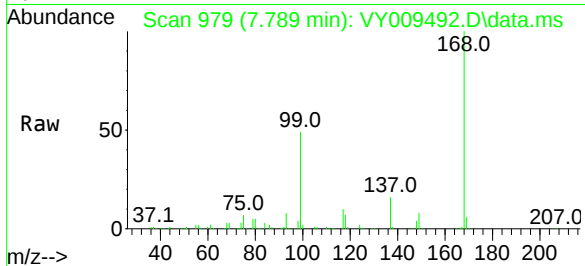




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009492.D
Acq: 08 Jul 2022 18:56

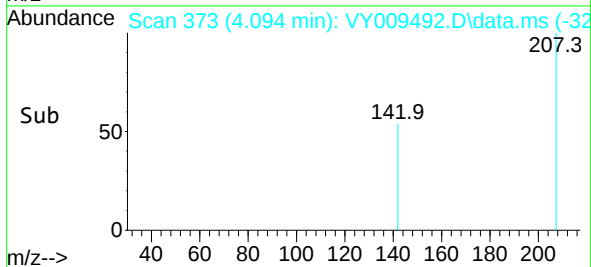
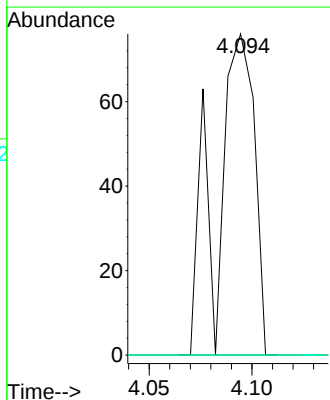
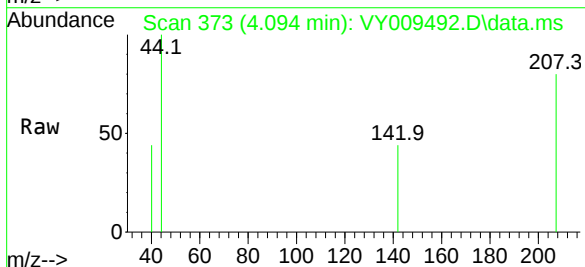
Instrument :
MSVOA_Y
ClientSampleId :
20220490C-8C

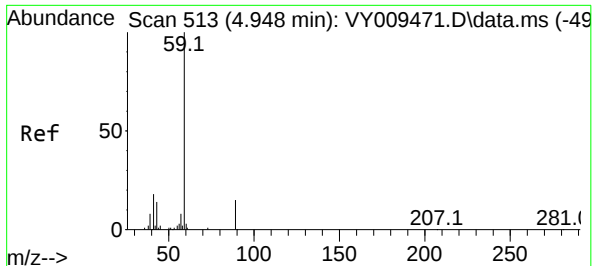
Tgt Ion:168 Resp: 214670
Ion Ratio Lower Upper
168 100
99 49.0 46.9 70.3



#10
Methyl Iodide
Concen: 4.197 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.018 min
Lab File: VY009492.D
Acq: 08 Jul 2022 18:56

Tgt Ion:142 Resp: 97
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: VY009492.D

Acq: 08 Jul 2022 18:56

Instrument :

MSVOA_Y

ClientSampleId :

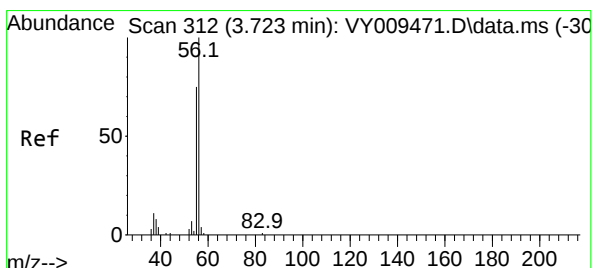
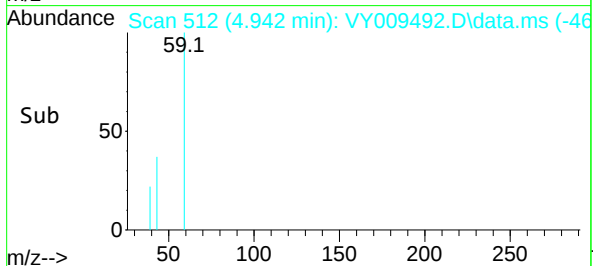
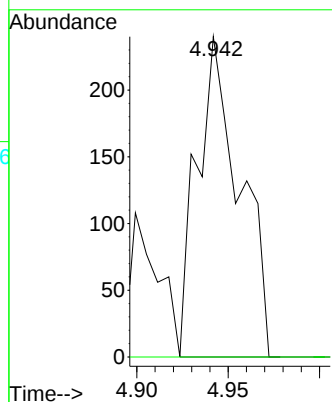
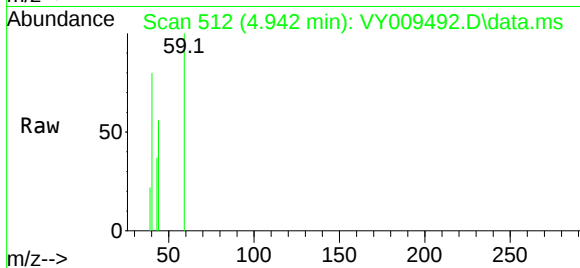
20220490C-8C

Tgt Ion: 59 Resp: 391

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: 30.766 ug/l

RT: 3.716 min Scan# 311

Delta R.T. -0.007 min

Lab File: VY009492.D

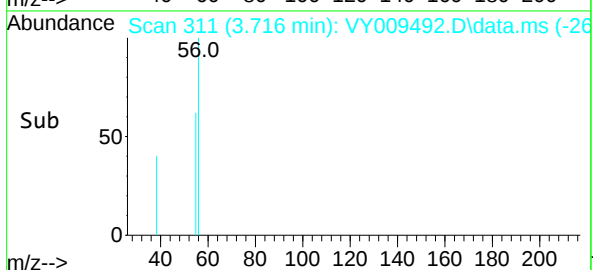
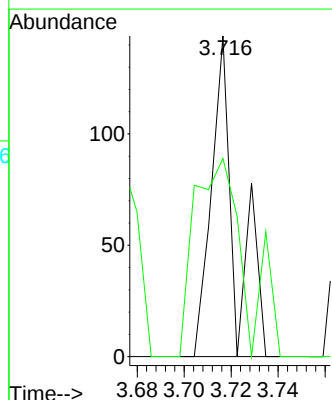
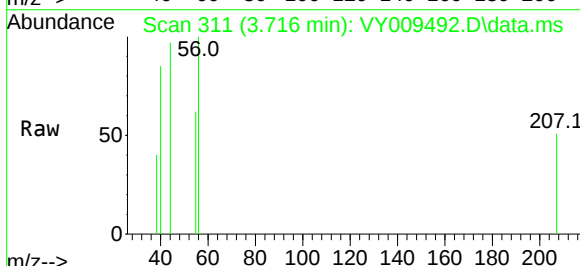
Acq: 08 Jul 2022 18:56

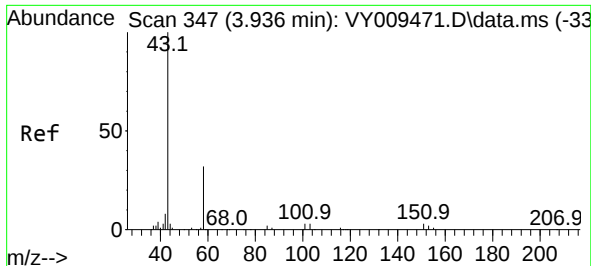
Tgt Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 129.4 57.6 86.4#

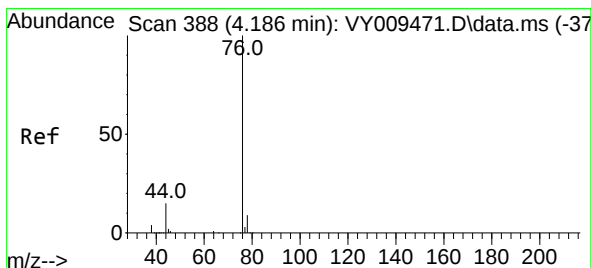
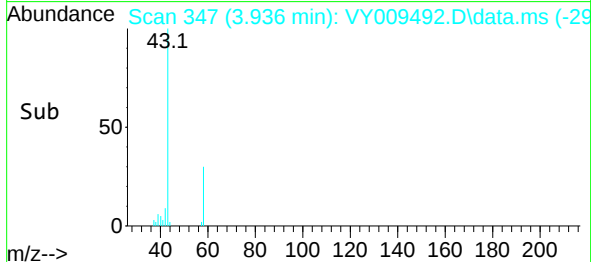
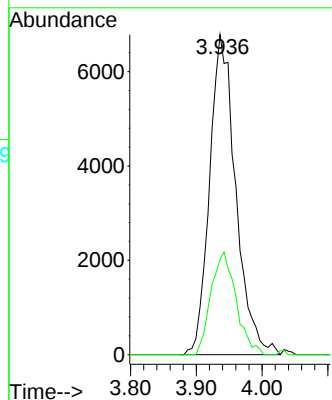
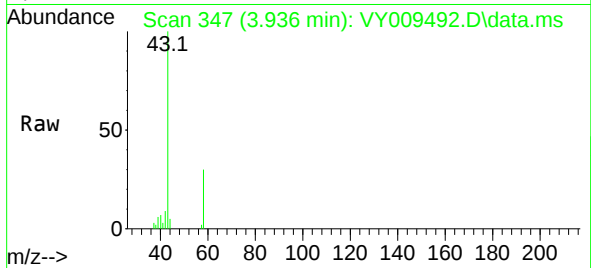




#16
Acetone
Concen: 35.952 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY009492.D
Acq: 08 Jul 2022 18:56

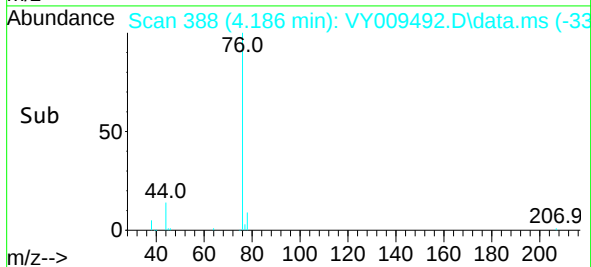
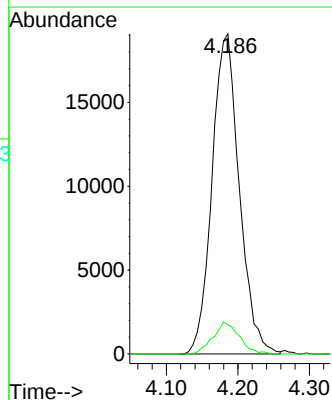
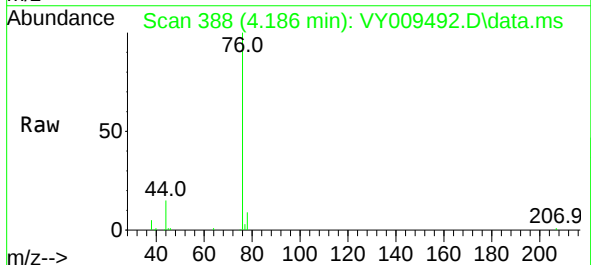
Instrument :
MSVOA_Y
ClientSampleId :
20220490C-8C

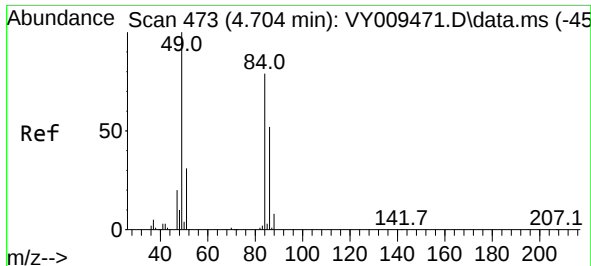
Tgt Ion: 43 Resp: 18775
Ion Ratio Lower Upper
43 100
58 29.8 22.0 33.0



#17
Carbon Disulfide
Concen: 12.313 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY009492.D
Acq: 08 Jul 2022 18:56

Tgt Ion: 76 Resp: 50524
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY009492.D

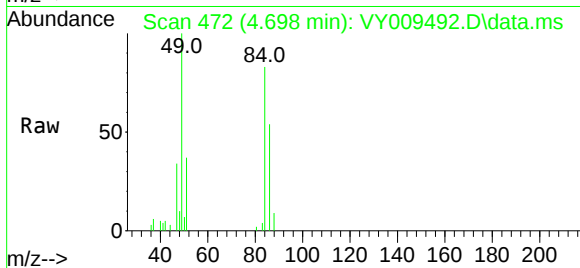
Acq: 08 Jul 2022 18:56

Instrument :

MSVOA_Y

ClientSampleId :

20220490C-8C



Tgt Ion: 84 Resp: 7451

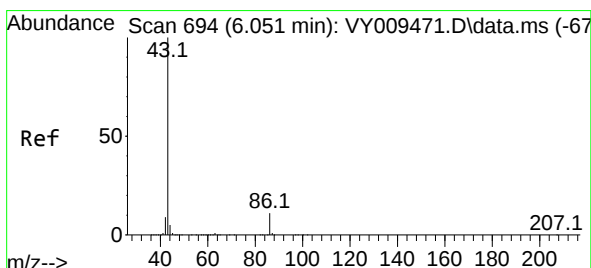
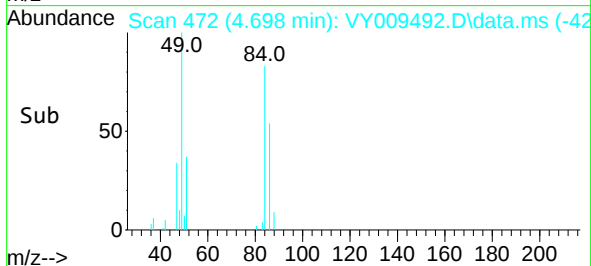
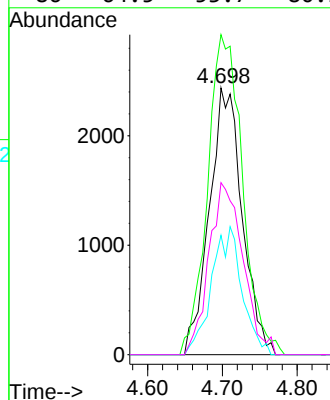
Ion Ratio Lower Upper

84 100

49 120.0 114.4 171.6

51 44.7 35.3 52.9

86 64.5 53.7 80.5



#23

Vinyl Acetate

Concen: Below Cal

RT: 6.058 min Scan# 695

Delta R.T. 0.007 min

Lab File: VY009492.D

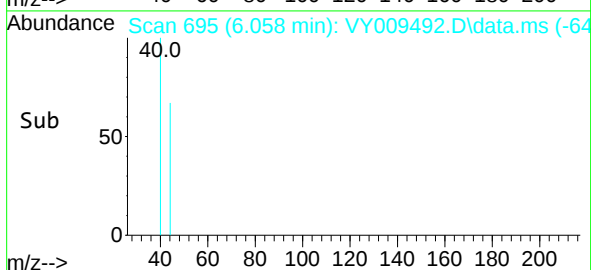
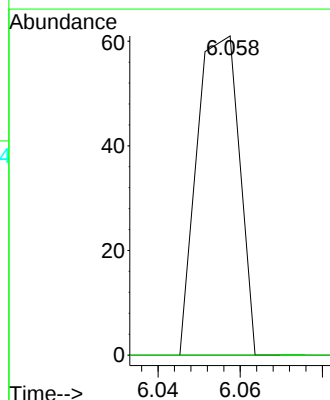
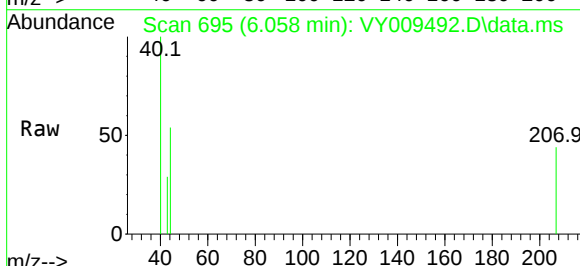
Acq: 08 Jul 2022 18:56

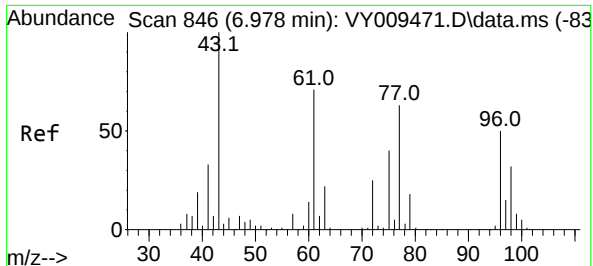
Tgt Ion: 43 Resp: 44

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#





#25

2-Butanone

Concen: 3.396 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY009492.D

Acq: 08 Jul 2022 18:56

Instrument :

MSVOA_Y

ClientSampleId :

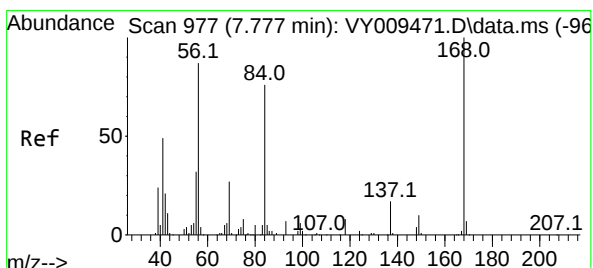
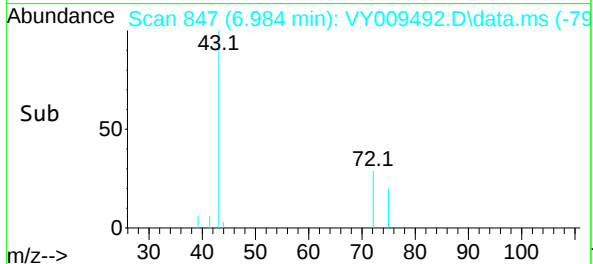
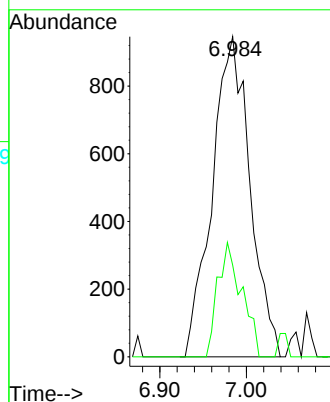
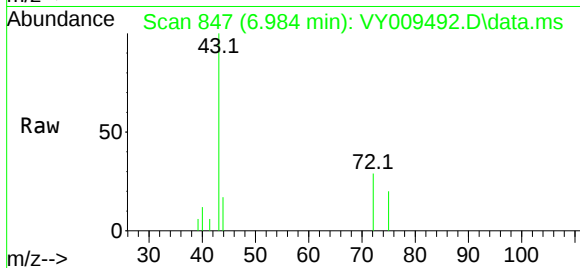
20220490C-8C

Tgt Ion: 43 Resp: 2869

Ion Ratio Lower Upper

43 100

72 28.6 17.7 26.5#



#31

Cyclohexane

Concen: 1.292 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY009492.D

Acq: 08 Jul 2022 18:56

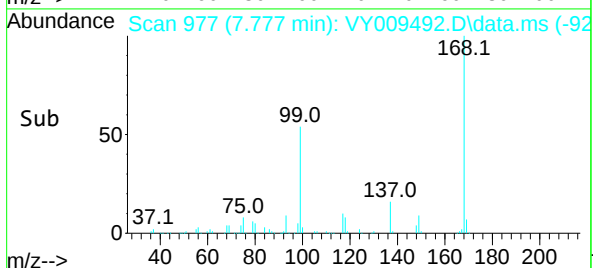
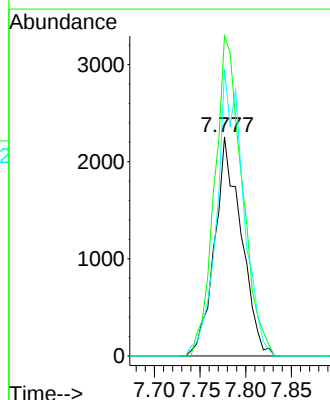
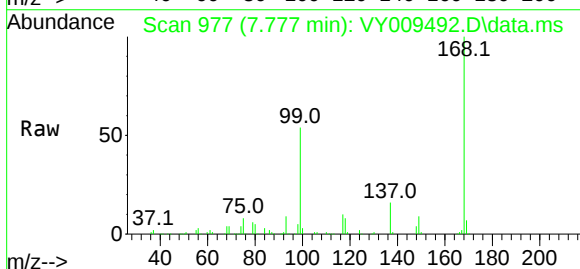
Tgt Ion: 56 Resp: 4551

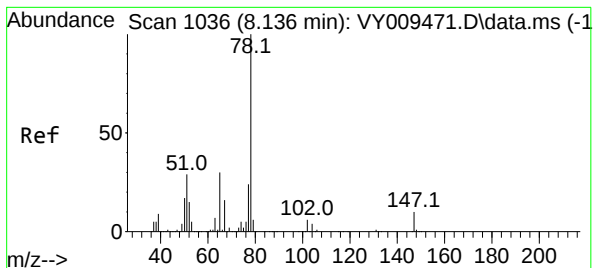
Ion Ratio Lower Upper

56 100

69 146.1 26.7 40.1#

84 130.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.561 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY009492.D

Acq: 08 Jul 2022 18:56

Instrument :

MSVOA_Y

ClientSampleId :

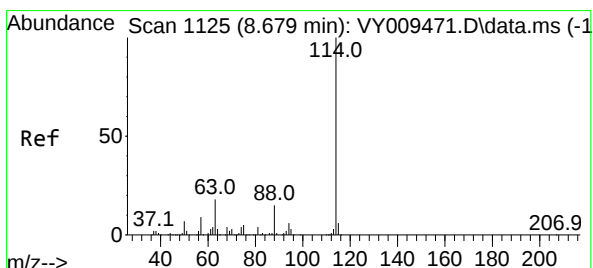
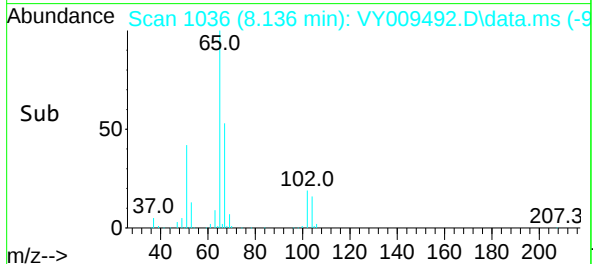
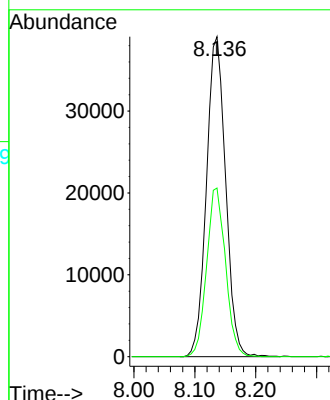
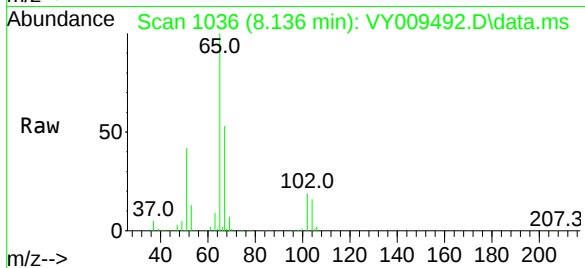
20220490C-8C

Tgt Ion: 65 Resp: 85560

Ion Ratio Lower Upper

65 100

67 51.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY009492.D

Acq: 08 Jul 2022 18:56

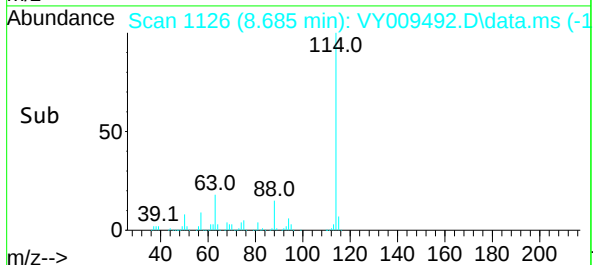
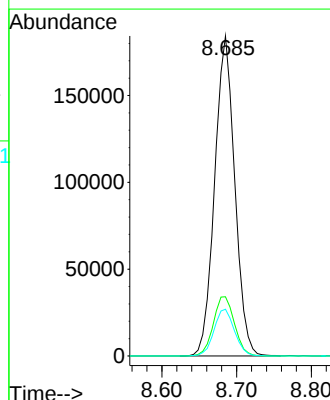
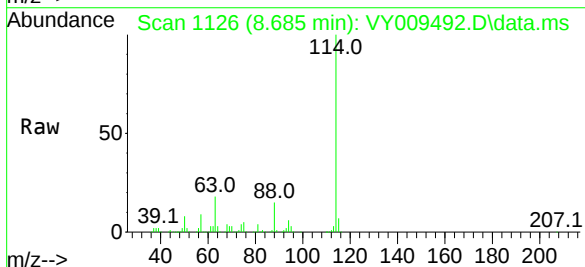
Tgt Ion: 114 Resp: 345516

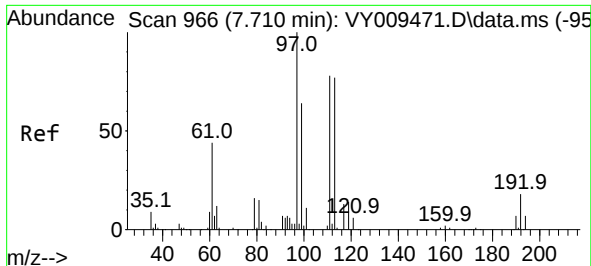
Ion Ratio Lower Upper

114 100

63 18.5 0.0 43.2

88 14.6 0.0 31.8

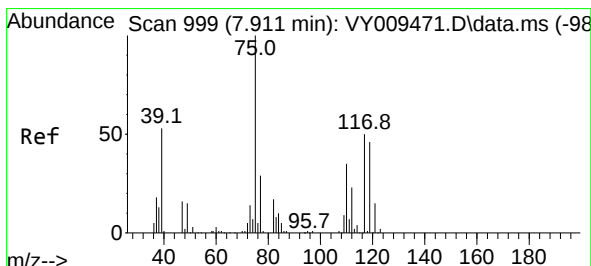
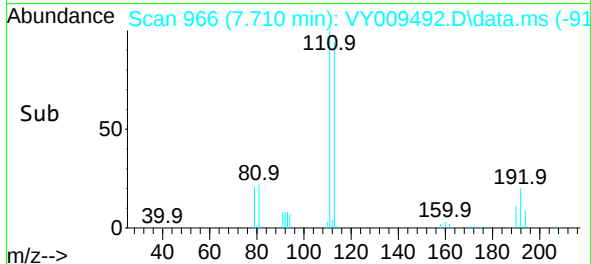
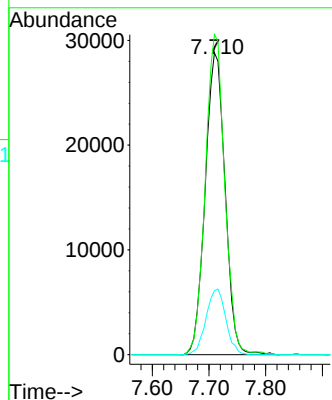
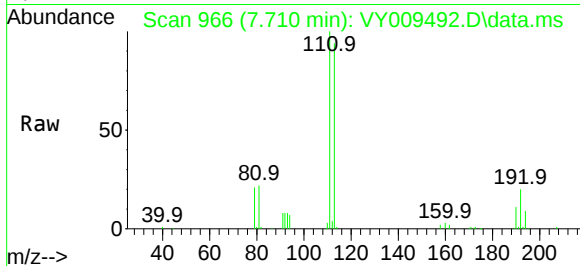




#35
Dibromofluoromethane
Concen: 38.617 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009492.D
Acq: 08 Jul 2022 18:56

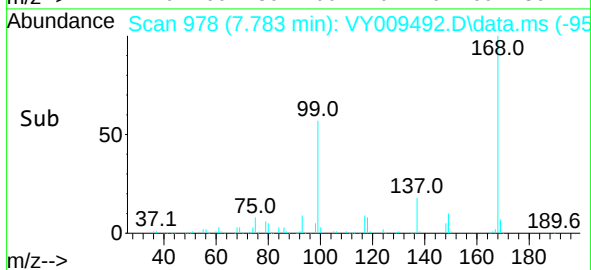
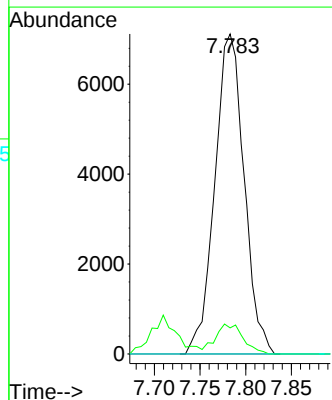
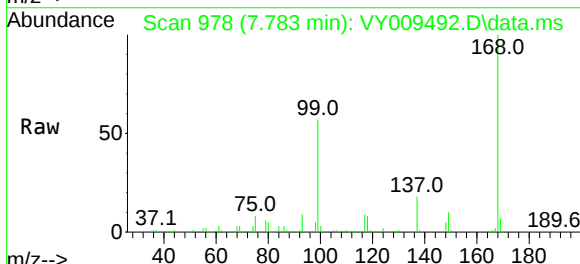
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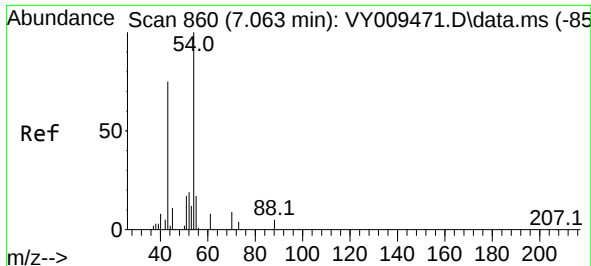
Tgt Ion:113 Resp: 70206
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 21.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.365 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009492.D
Acq: 08 Jul 2022 18:56

Tgt Ion: 75 Resp: 15878
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.546 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY009492.D

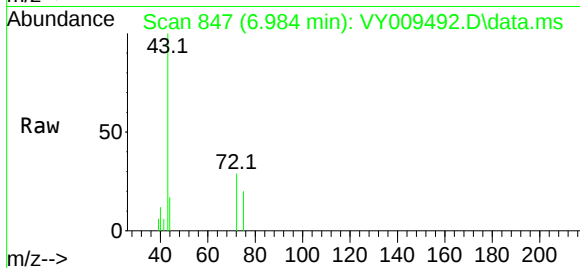
Acq: 08 Jul 2022 18:56

Instrument :

MSVOA_Y

ClientSampleId :

20220490C-8C



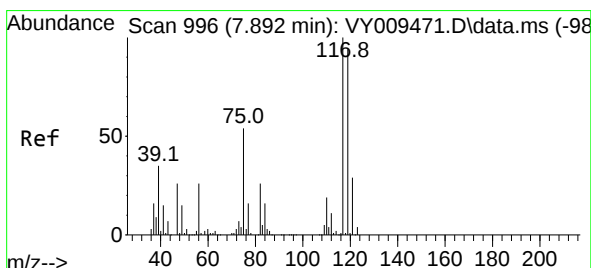
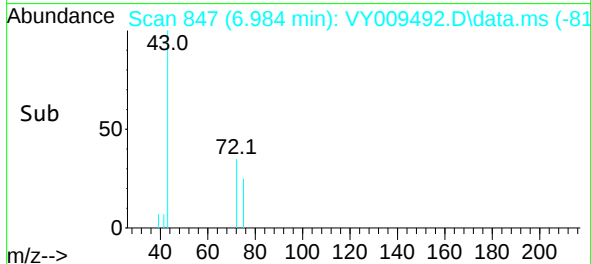
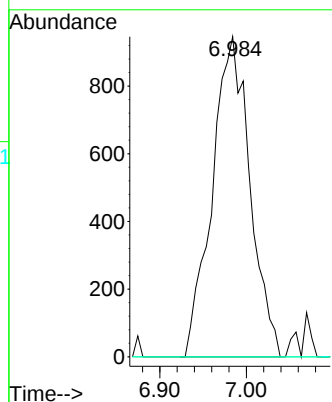
Tgt Ion: 43 Resp: 2869

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.480 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.103 min

Lab File: VY009492.D

Acq: 08 Jul 2022 18:56

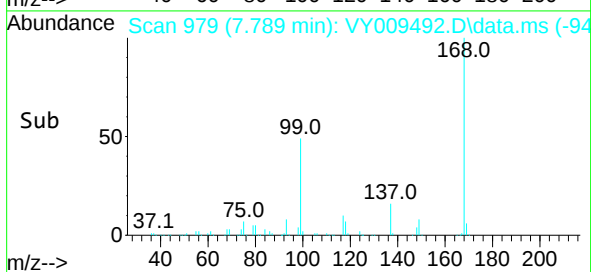
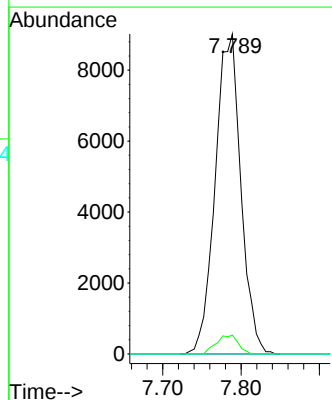
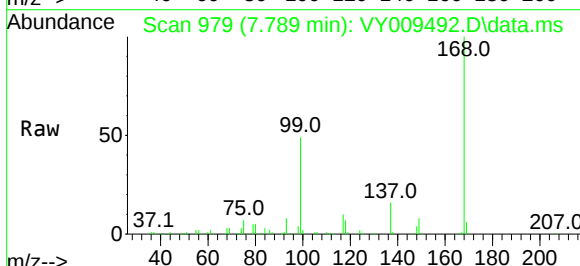
Tgt Ion: 117 Resp: 20512

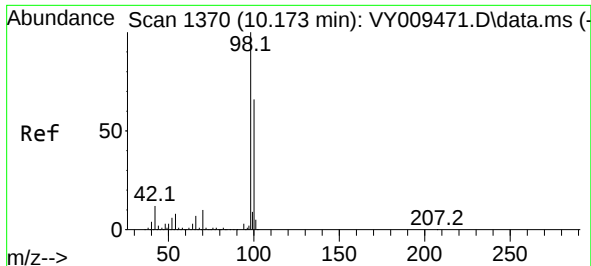
Ion Ratio Lower Upper

117 100

119 5.9 77.9 116.9#

121 0.0 24.8 37.2#

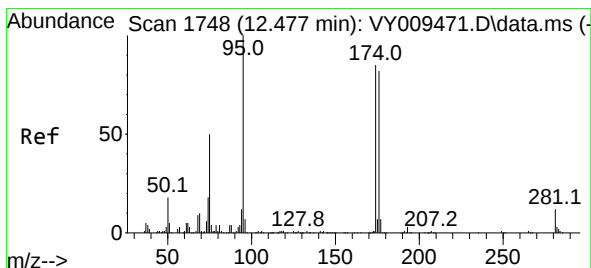
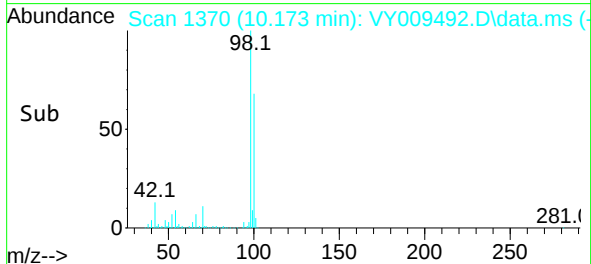
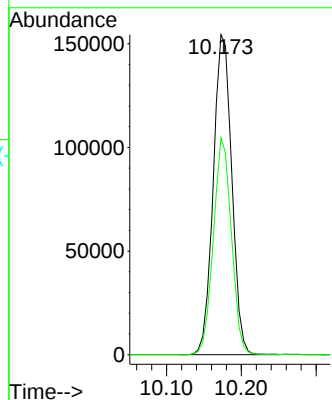
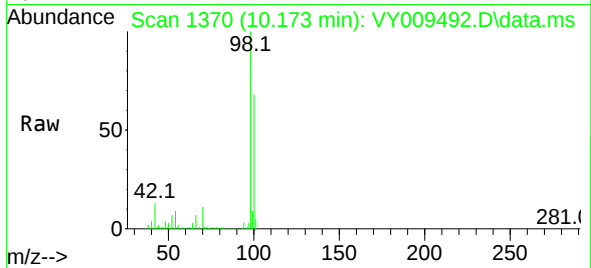




#50
Toluene-d8
Concen: 54.113 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009492.D
Acq: 08 Jul 2022 18:56

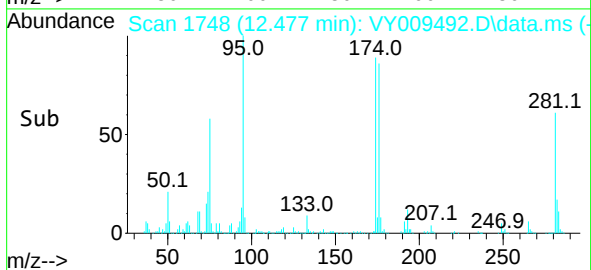
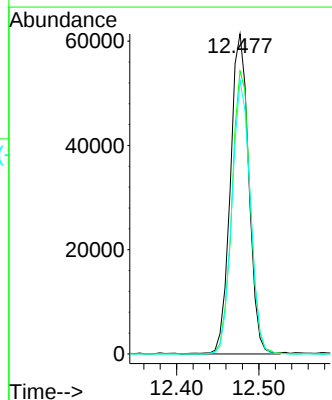
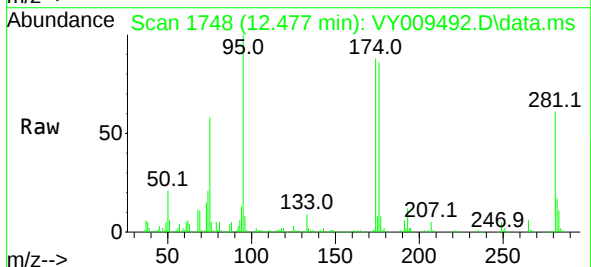
Instrument :
MSVOA_Y
ClientSampleId :
20220490C-8C

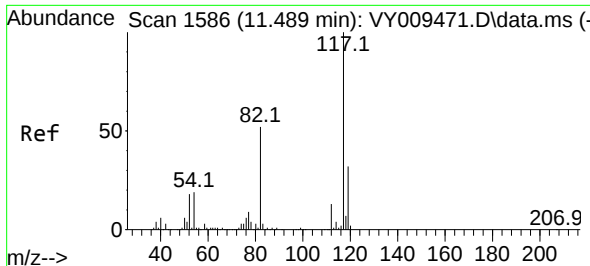
Tgt Ion: 98 Resp: 266398
Ion Ratio Lower Upper
98 100
100 65.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 37.273 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009492.D
Acq: 08 Jul 2022 18:56

Tgt Ion: 95 Resp: 95653
Ion Ratio Lower Upper
95 100
174 88.0 0.0 177.0
176 84.8 0.0 175.8

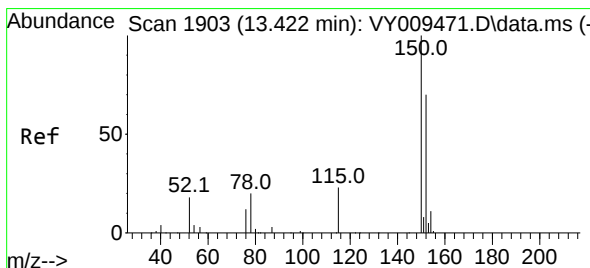
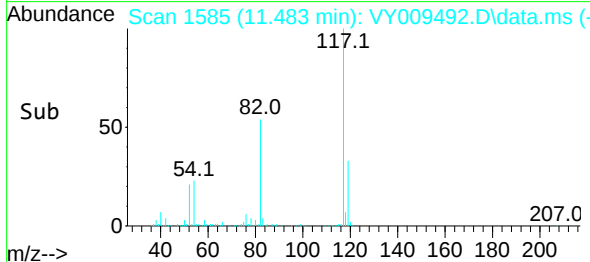
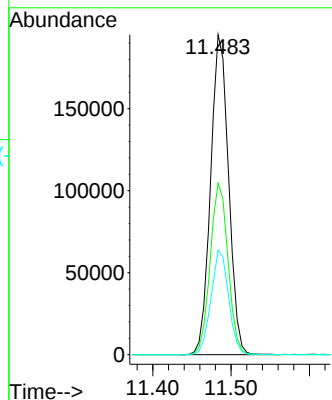
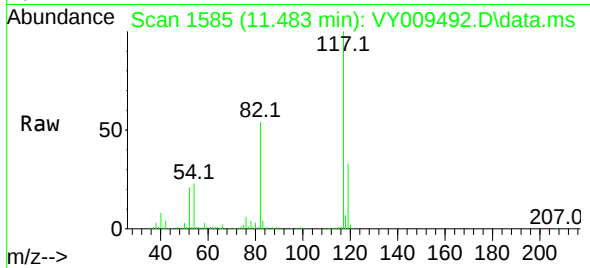




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009492.D
Acq: 08 Jul 2022 18:56

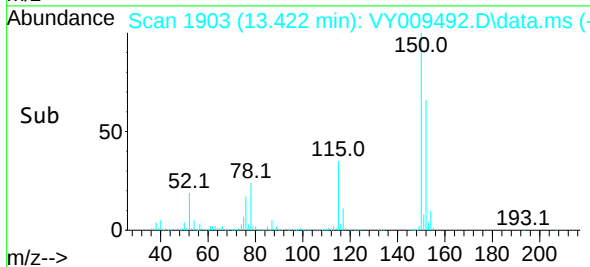
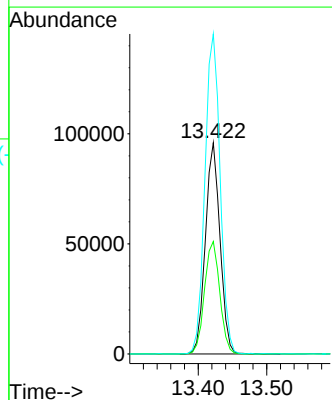
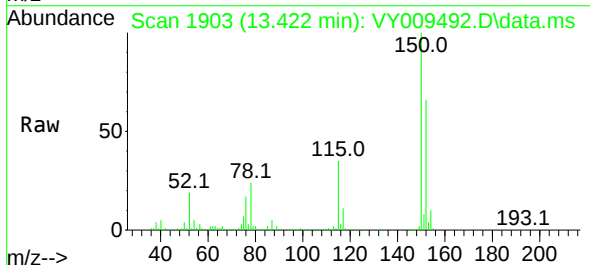
Instrument :
MSVOA_Y
ClientSampleId :
20220490C-8C

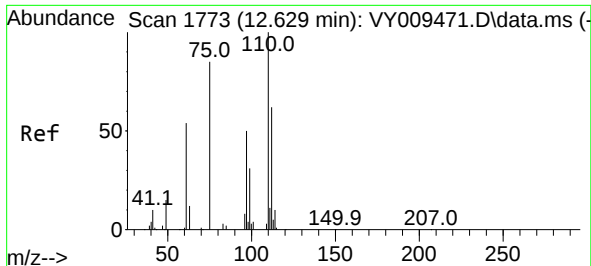
Tgt Ion:117 Resp: 310796
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009492.D
Acq: 08 Jul 2022 18:56

Tgt Ion:152 Resp: 142396
Ion Ratio Lower Upper
152 100
115 55.7 28.2 84.7
150 157.7 0.0 347.6

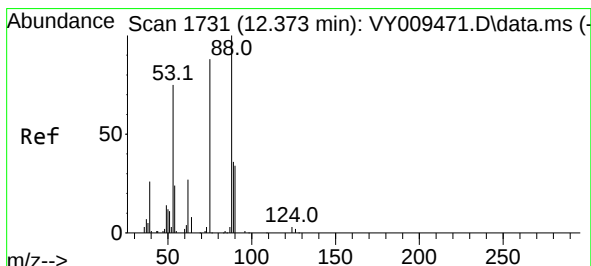
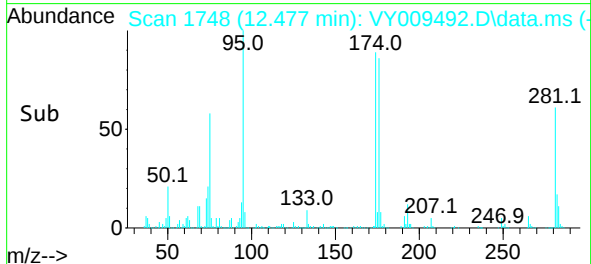
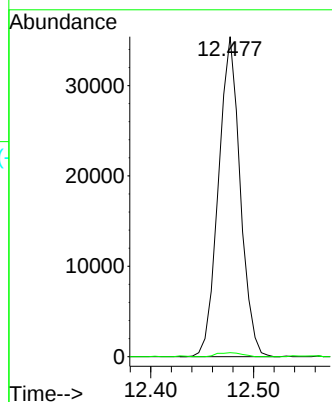
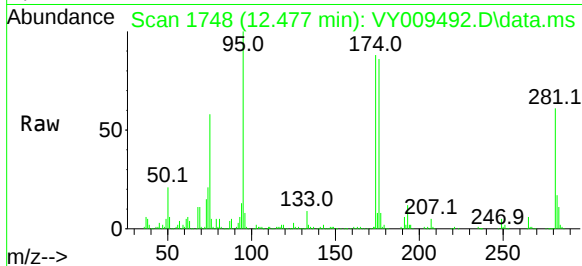




#76
1,2,3-Trichloropropane
Concen: 34.455 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009492.D
Acq: 08 Jul 2022 18:56

Instrument :
MSVOA_Y
ClientSampleId :
20220490C-8C

Tgt Ion: 75 Resp: 51937
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.518 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009492.D
Acq: 08 Jul 2022 18:56

Tgt Ion: 75 Resp: 51937
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 1.4 37.0 55.4#

