

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009538.D
 Acq On : 12 Jul 2022 17:28
 Operator : KP/MD
 Sample : N3597-05
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220510-COMPOSITE-E

Quant Time: Jul 13 01:16:17 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)

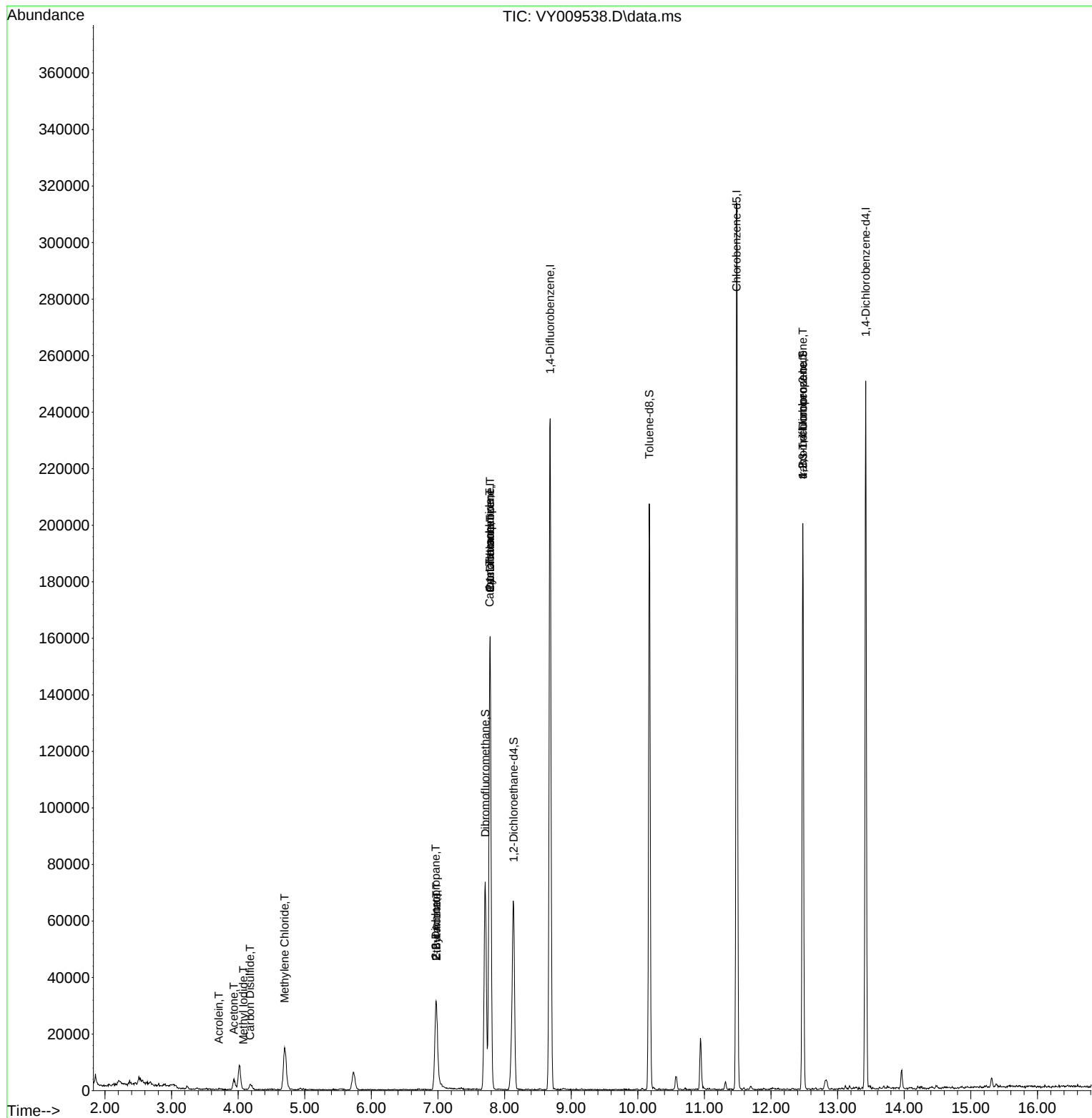
Internal Standards						
1) Pentafluorobenzene	7.783	168	128811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	204034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	168256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	60889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	47275	52.414	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.820%			
35) Dibromofluoromethane	7.710	113	51277	47.763	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.520%			
50) Toluene-d8	10.173	98	130889	43.395	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 86.780%			
62) 4-Bromofluorobenzene	12.477	95	56668	37.394	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 74.780%			
Target Compounds						Qvalue
10) Methyl Iodide	4.076	142	117	4.232	ug/l #	35
11) Tert butyl alcohol	4.936	59	510	Below Cal	#	87
13) Acrolein	3.710	56	58	30.738	ug/l #	33
16) Acetone	3.936	43	6267	20.000	ug/l #	65
17) Carbon Disulfide	4.180	76	2108	4.970	ug/l #	64
20) Methylene Chloride	4.698	84	11183	3.105	ug/l #	78
25) 2-Butanone	6.978	43	3567	7.037	ug/l #	79
26) 2,2-Dichloropropane	6.966	77	2334	1.089	ug/l #	55
31) Cyclohexane	7.783	56	2987	1.413	ug/l #	17
36) 1,1-Dichloropropene	7.783	75	9227	5.279	ug/l #	51
37) Ethyl Acetate	6.978	43	3567	3.256	ug/l #	41
38) Carbon Tetrachloride	7.777	117	11904	6.368	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	29899	46.387	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	29899	94.937	ug/l #	7

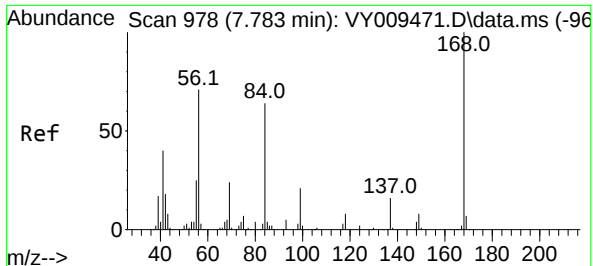
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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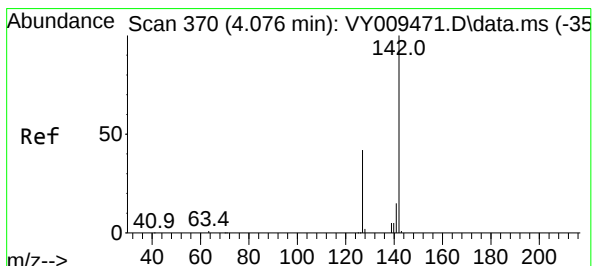
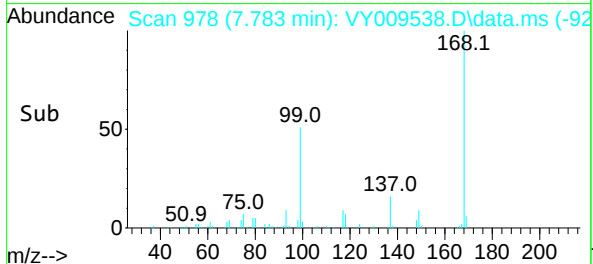
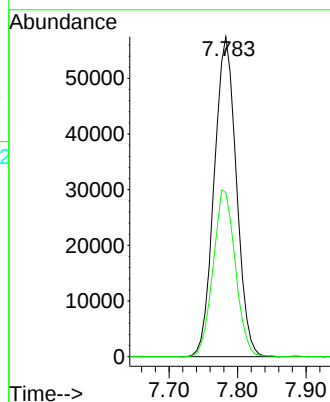
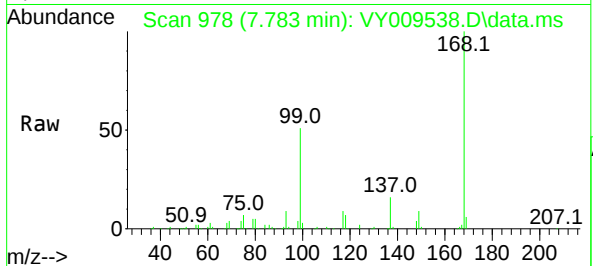




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009538.D
Acq: 12 Jul 2022 17:28

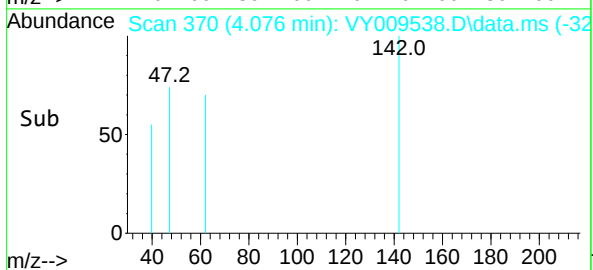
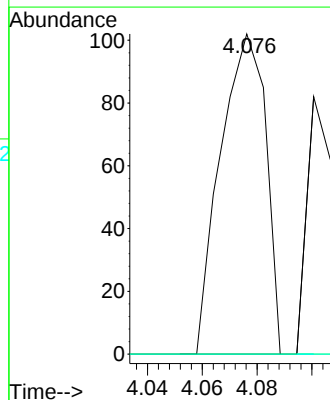
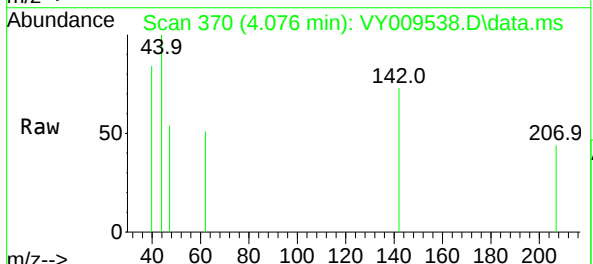
Instrument :
MSVOA_Y
ClientSampleId :
20220510-COMPOSITE-E

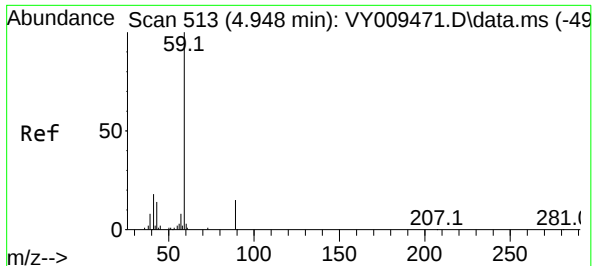
Tgt Ion:168 Resp: 128811
Ion Ratio Lower Upper
168 100
99 51.3 46.9 70.3



#10
Methyl Iodide
Concen: 4.232 ug/l
RT: 4.076 min Scan# 370
Delta R.T. 0.000 min
Lab File: VY009538.D
Acq: 12 Jul 2022 17:28

Tgt Ion:142 Resp: 117
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: 4.936 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY009538.D

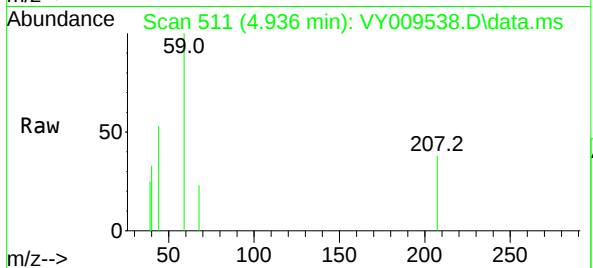
Acq: 12 Jul 2022 17:28

Instrument :

MSVOA_Y

ClientSampleId :

20220510-COMPOSITE-E

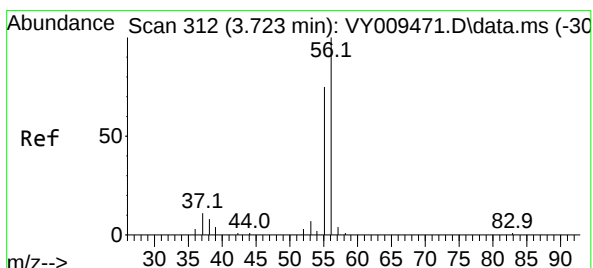
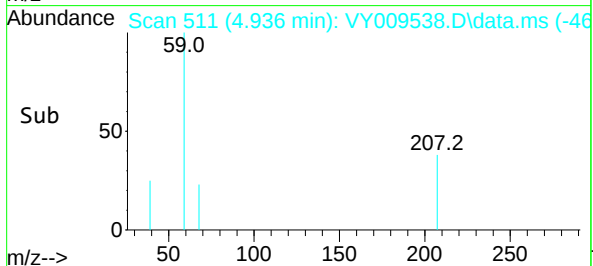
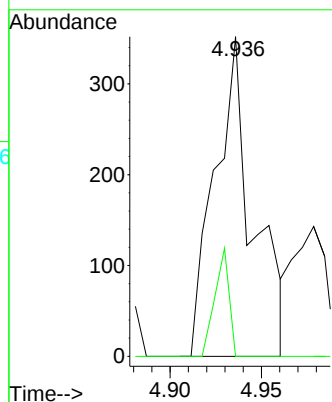


Tgt Ion: 59 Resp: 510

Ion Ratio Lower Upper

59 100

57 12.5 6.4 9.6#



#13

Acrolein

Concen: 30.738 ug/l

RT: 3.710 min Scan# 310

Delta R.T. -0.013 min

Lab File: VY009538.D

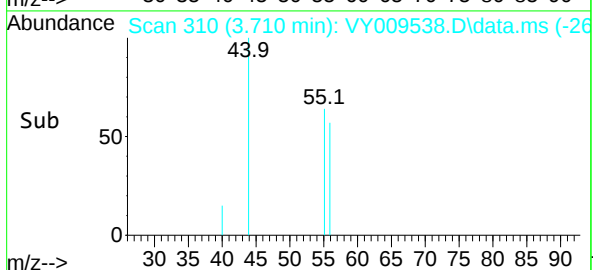
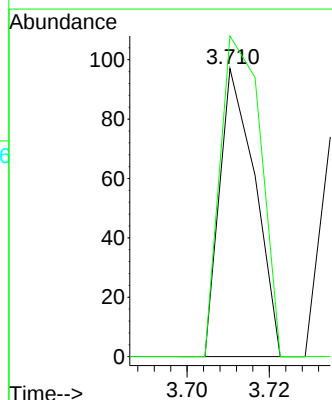
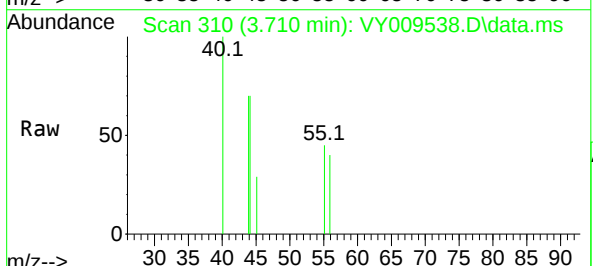
Acq: 12 Jul 2022 17:28

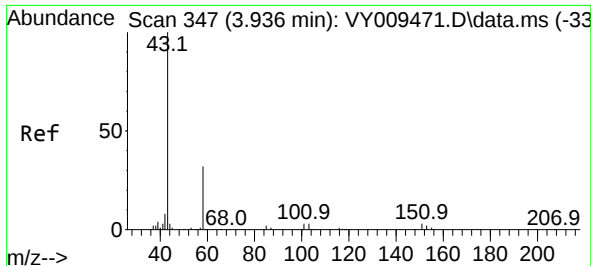
Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

56 100

55 127.6 57.6 86.4#





#16

Acetone

Concen: 20.000 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY009538.D

Acq: 12 Jul 2022 17:28

Instrument :

MSVOA_Y

ClientSampleId :

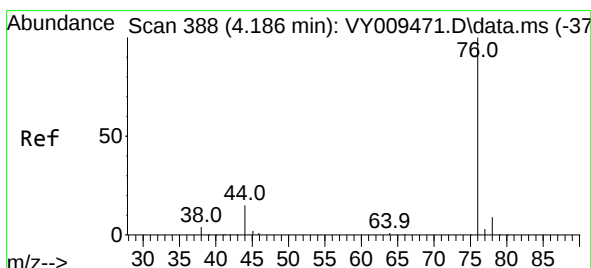
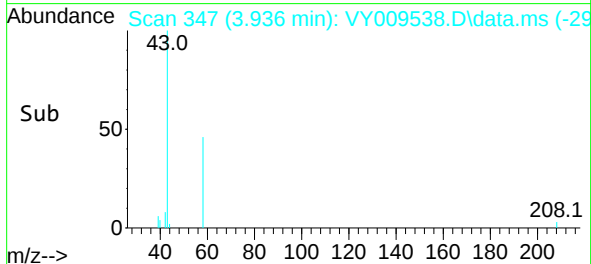
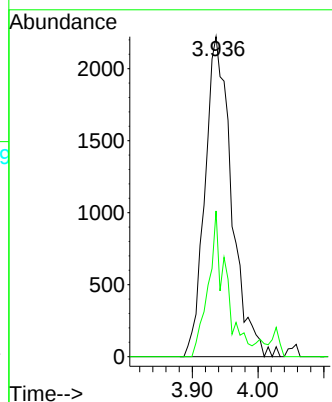
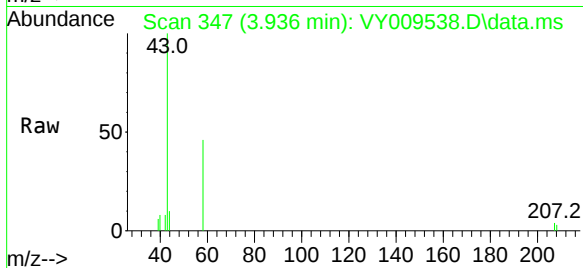
20220510-COMPOSITE-E

Tgt Ion: 43 Resp: 6267

Ion Ratio Lower Upper

43 100

58 45.5 22.0 33.0#



#17

Carbon Disulfide

Concen: 4.970 ug/l

RT: 4.180 min Scan# 387

Delta R.T. -0.006 min

Lab File: VY009538.D

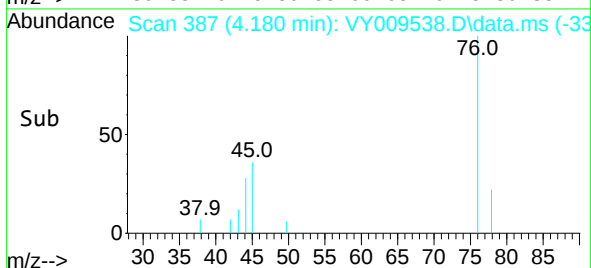
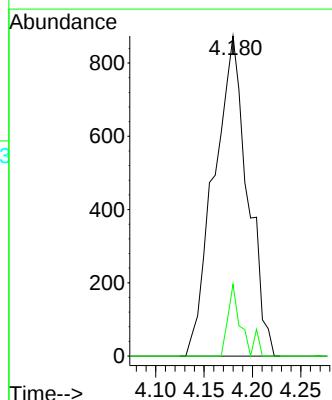
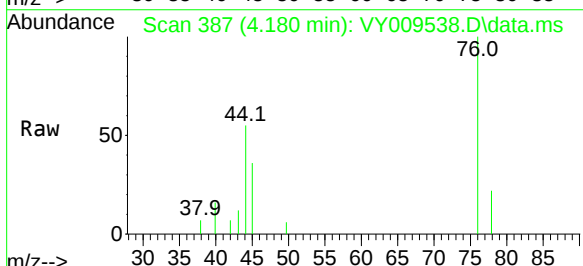
Acq: 12 Jul 2022 17:28

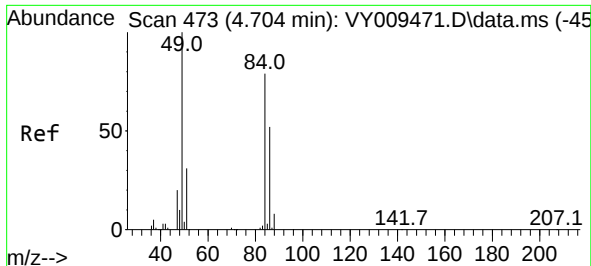
Tgt Ion: 76 Resp: 2108

Ion Ratio Lower Upper

76 100

78 22.4 7.4 11.0#

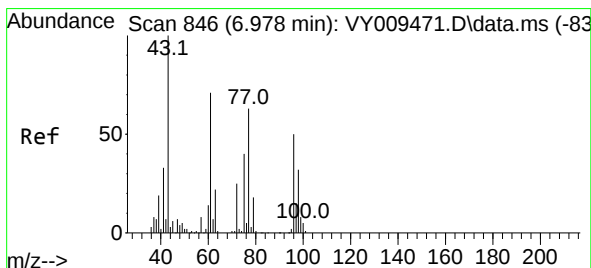
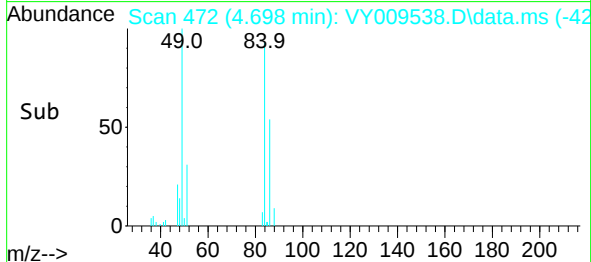
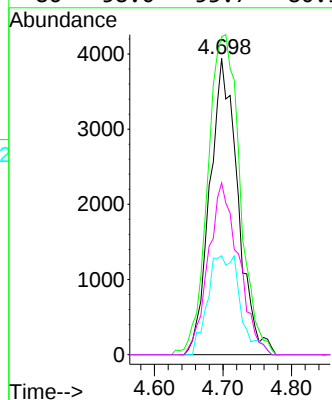
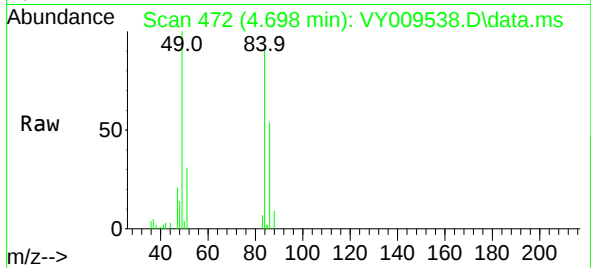




#20
Methylene Chloride
Concen: 3.105 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009538.D
Acq: 12 Jul 2022 17:28

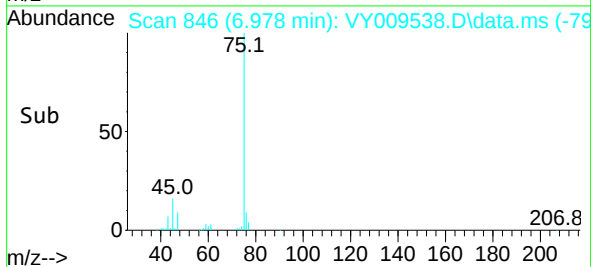
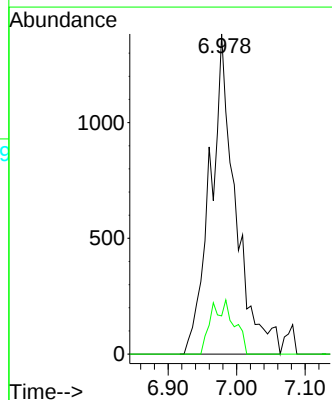
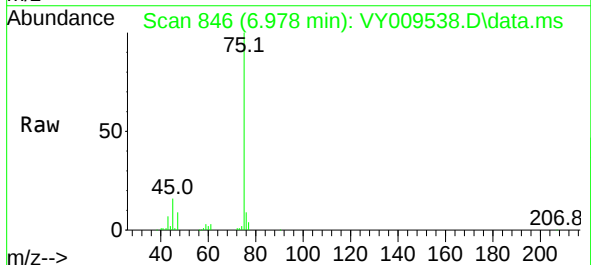
Instrument :
MSVOA_Y
ClientSampleId :
20220510-COMPOSITE-E

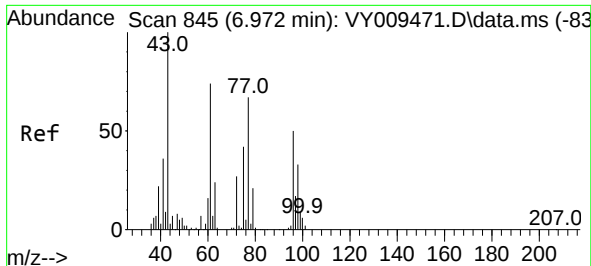
Tgt Ion: 84 Resp: 11183
Ion Ratio Lower Upper
84 100
49 107.4 114.4 171.6#
51 33.4 35.3 52.9#
86 58.0 53.7 80.5



#25
2-Butanone
Concen: 7.037 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009538.D
Acq: 12 Jul 2022 17:28

Tgt Ion: 43 Resp: 3567
Ion Ratio Lower Upper
43 100
72 11.9 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.089 ug/l

RT: 6.966 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY009538.D

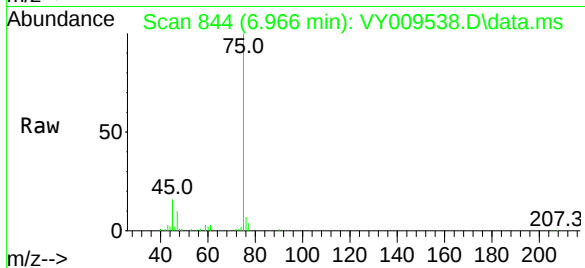
Acq: 12 Jul 2022 17:28

Instrument :

MSVOA_Y

ClientSampleId :

20220510-COMPOSITE-E

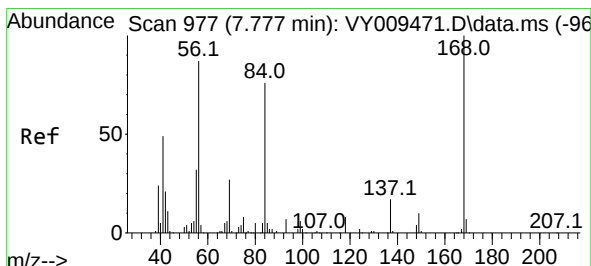
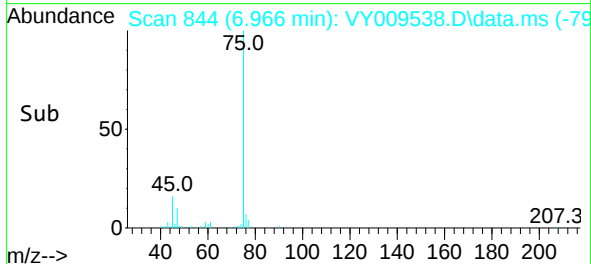
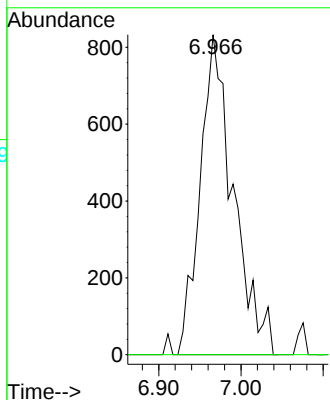


Tgt Ion: 77 Resp: 2334

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.413 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY009538.D

Acq: 12 Jul 2022 17:28

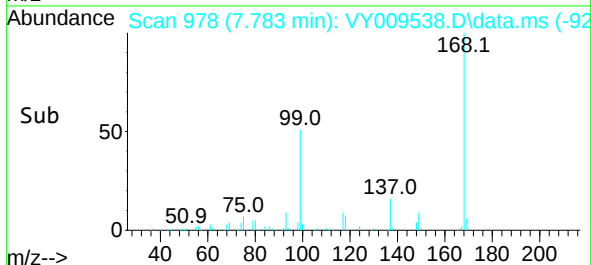
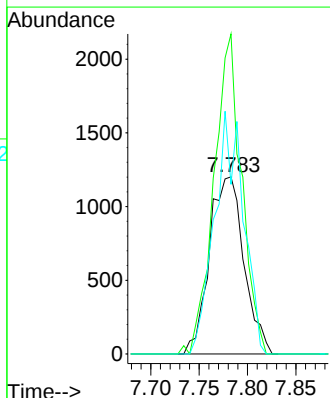
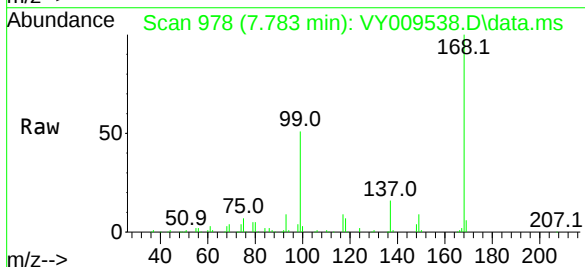
Tgt Ion: 56 Resp: 2987

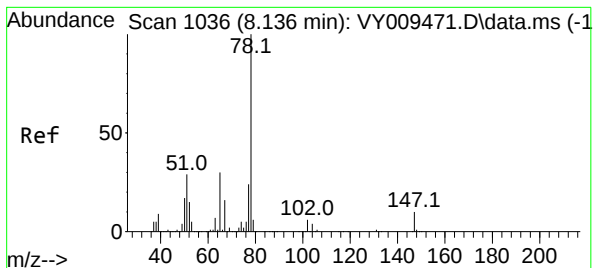
Ion Ratio Lower Upper

56 100

69 180.6 26.7 40.1#

84 95.8 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 52.414 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009538.D

Acq: 12 Jul 2022 17:28

Instrument :

MSVOA_Y

ClientSampleId :

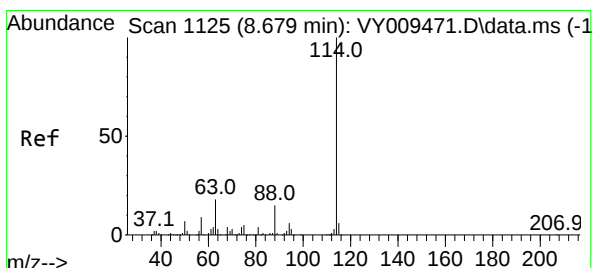
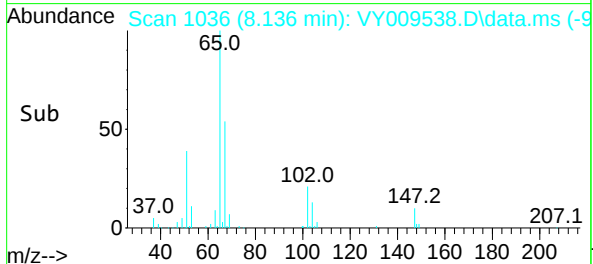
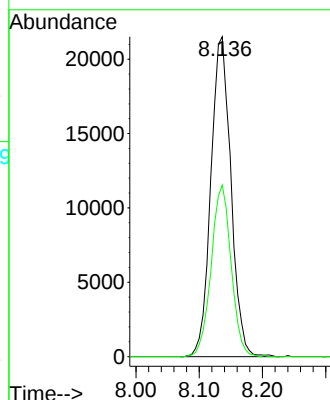
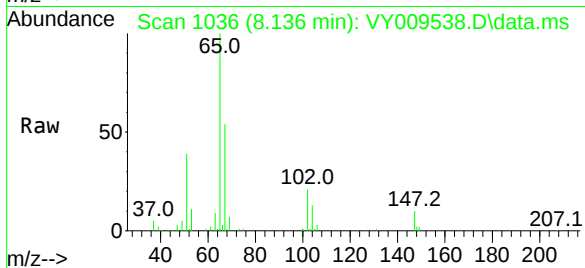
20220510-COMPOSITE-E

Tgt Ion: 65 Resp: 47275

Ion Ratio Lower Upper

65 100

67 53.2 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: VY009538.D

Acq: 12 Jul 2022 17:28

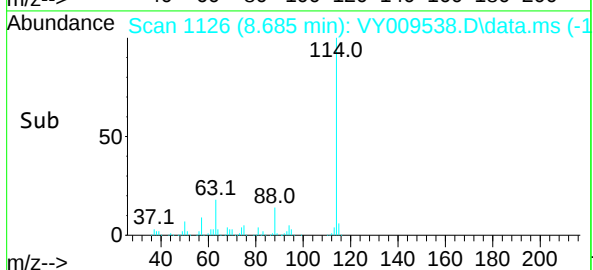
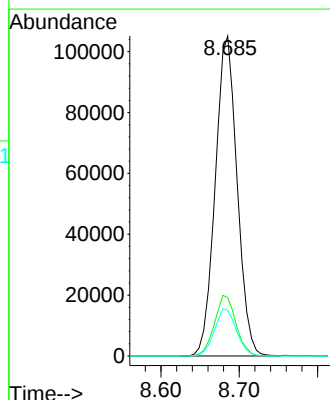
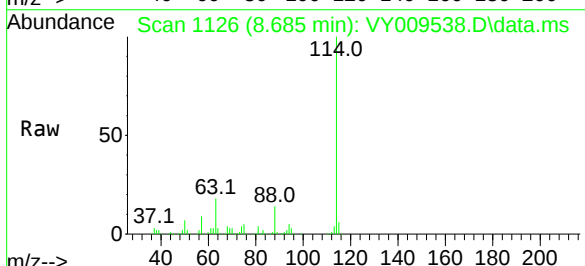
Tgt Ion: 114 Resp: 204034

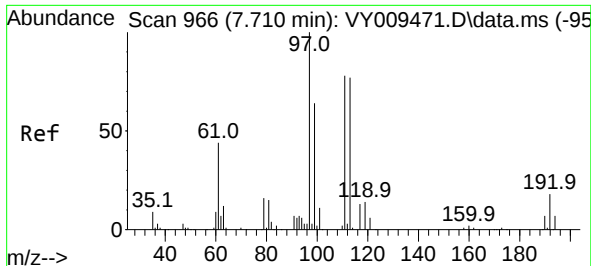
Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 14.2 0.0 31.8

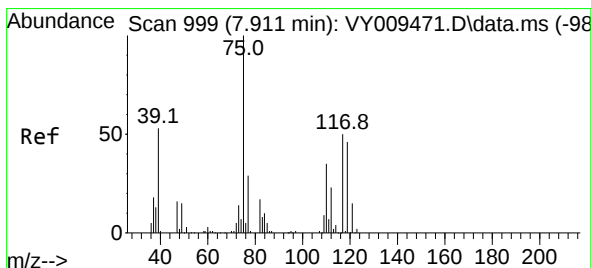
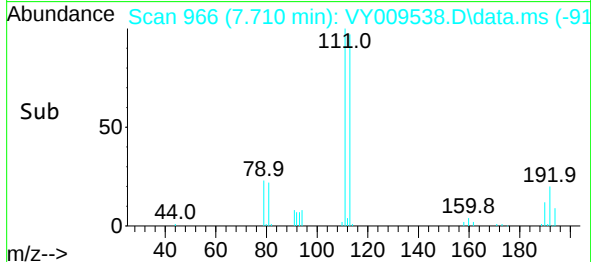
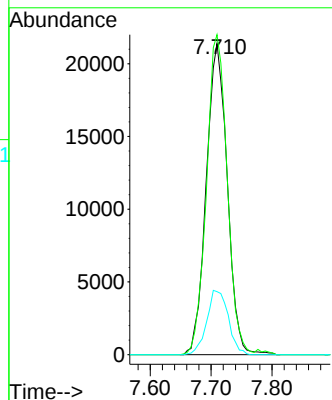
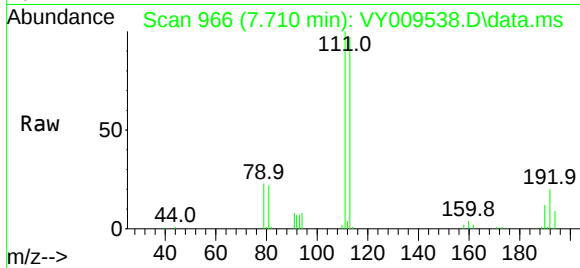




#35
Dibromofluoromethane
Concen: 47.763 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009538.D
Acq: 12 Jul 2022 17:28

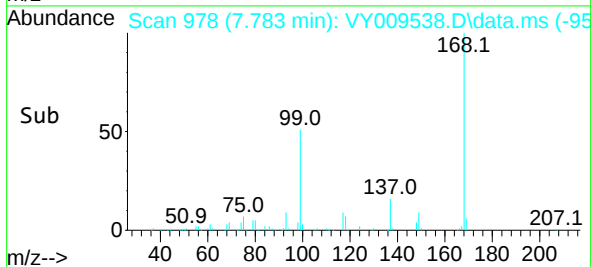
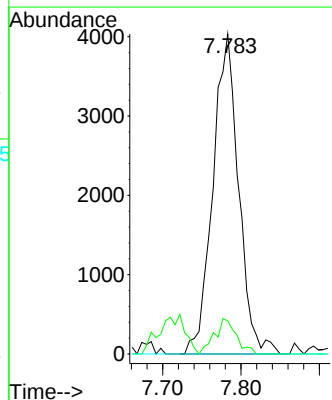
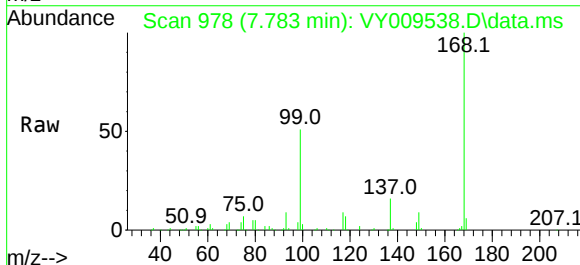
Instrument :
MSVOA_Y
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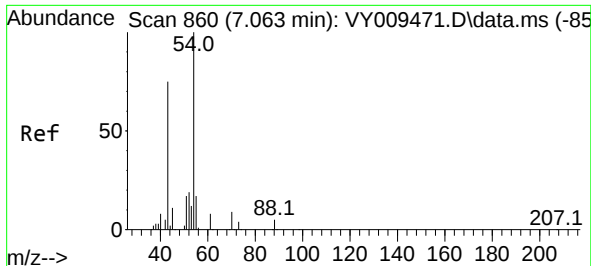
Tgt Ion:	113	Resp:	51277
Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.6	124.0
192	21.2	17.6	26.4



#36
1,1-Dichloropropene
Concen: 5.279 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009538.D
Acq: 12 Jul 2022 17:28

Tgt Ion:	75	Resp:	9227
Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.1	51.2#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 3.256 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY009538.D

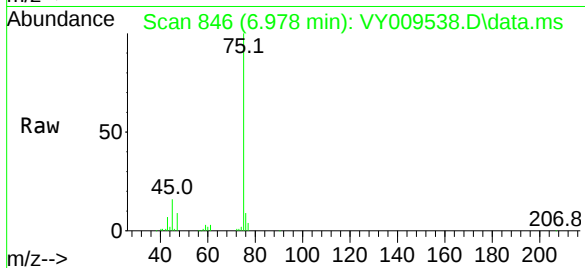
Acq: 12 Jul 2022 17:28

Instrument :

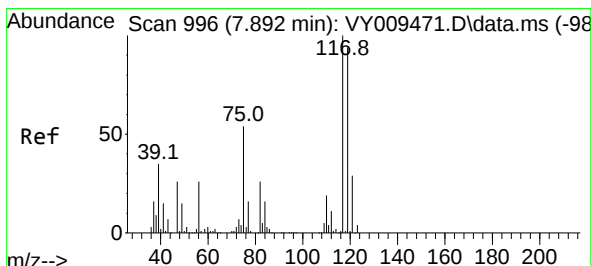
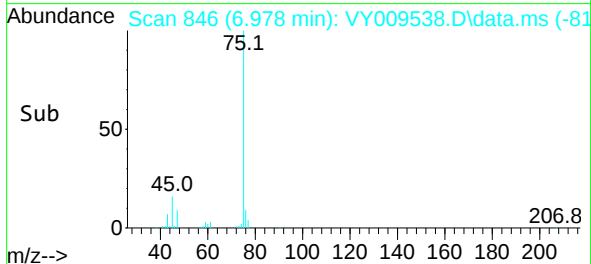
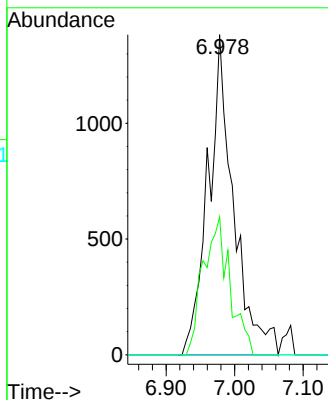
MSVOA_Y

ClientSampleId :

20220510-COMPOSITE-E



Tgt Ion:	43	Resp:	3567
Ion	Ratio	Lower	Upper
43	100		
61	44.9	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.368 ug/l

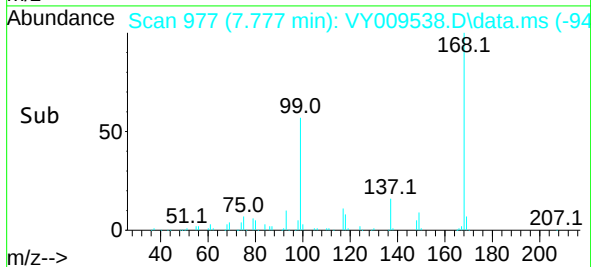
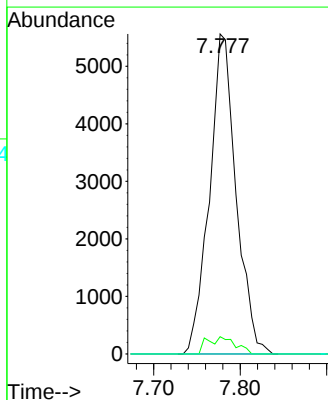
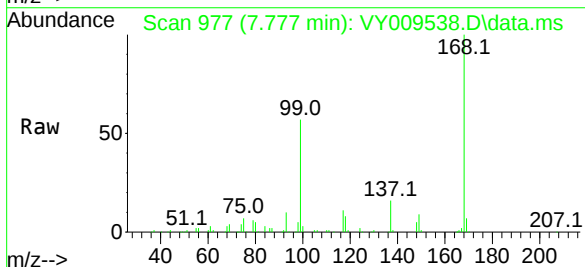
RT: 7.777 min Scan# 977

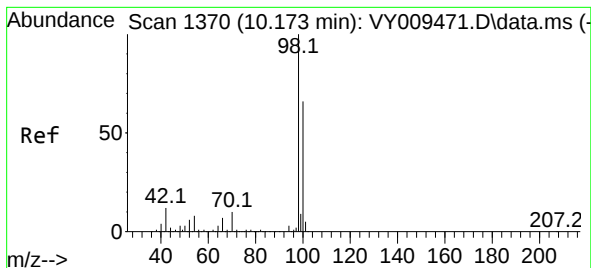
Delta R.T. -0.115 min

Lab File: VY009538.D

Acq: 12 Jul 2022 17:28

Tgt Ion:	117	Resp:	11904
Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.9	116.9#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 43.395 ug/l

RT: 10.173 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009538.D

Acq: 12 Jul 2022 17:28

Instrument :

MSVOA_Y

ClientSampleId :

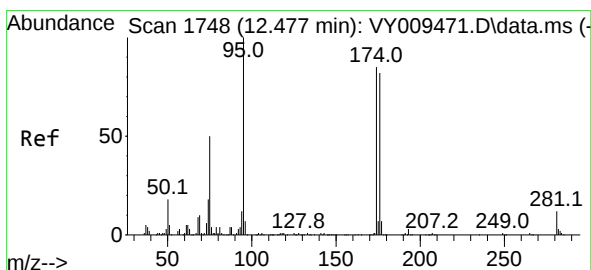
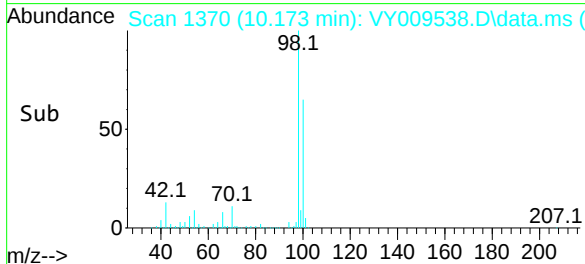
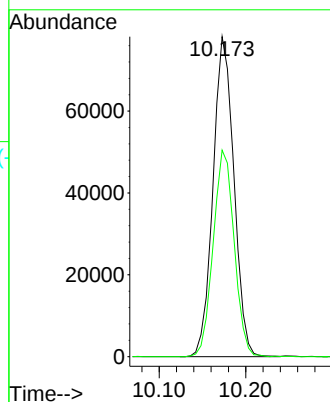
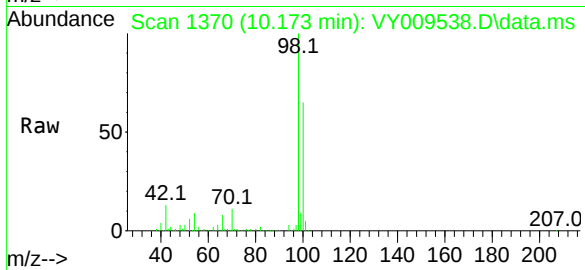
20220510-COMPOSITE-E

Tgt Ion: 98 Resp: 130889

Ion Ratio Lower Upper

98 100

100 64.8 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 37.394 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY009538.D

Acq: 12 Jul 2022 17:28

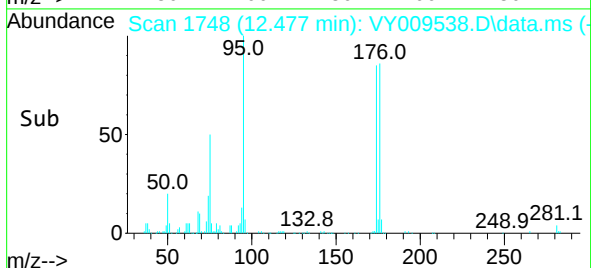
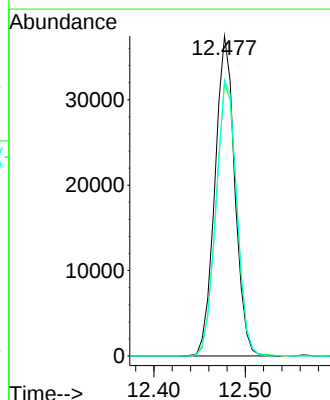
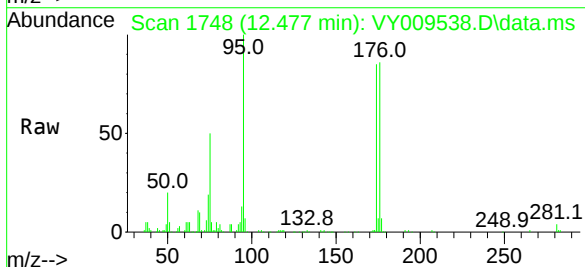
Tgt Ion: 95 Resp: 56668

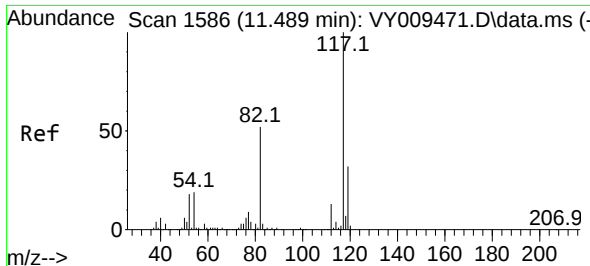
Ion Ratio Lower Upper

95 100

174 89.7 0.0 177.0

176 89.9 0.0 175.8

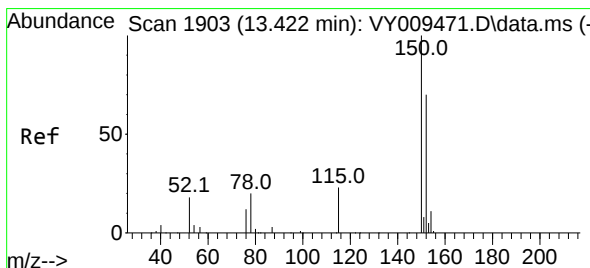
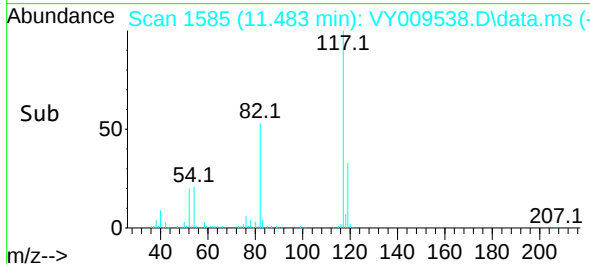
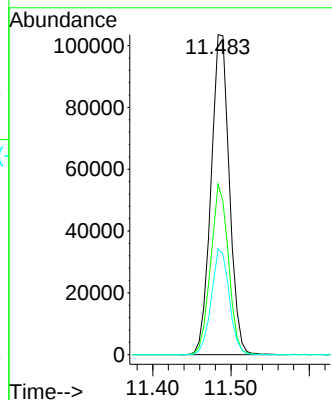
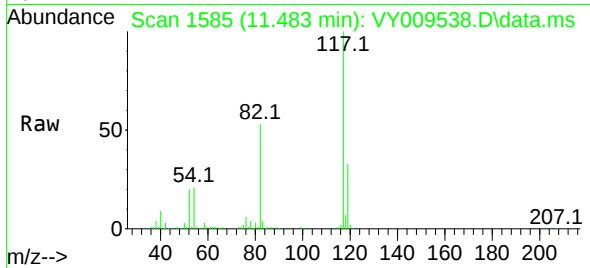




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009538.D
Acq: 12 Jul 2022 17:28

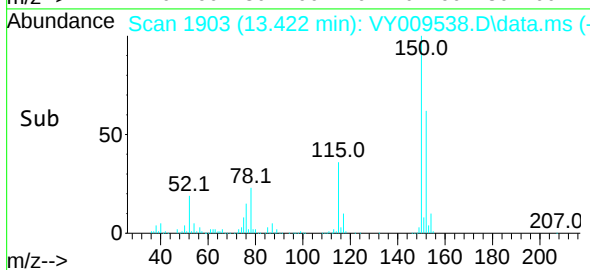
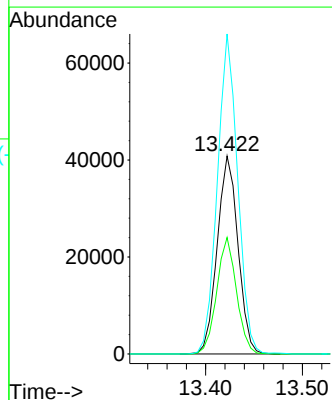
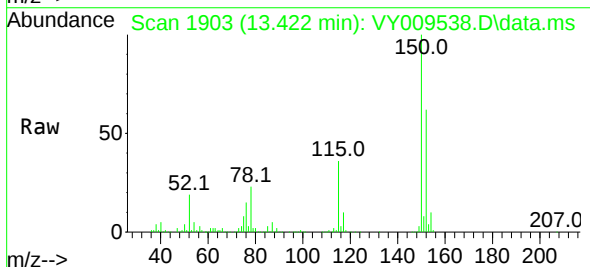
Instrument :
MSVOA_Y
ClientSampleId :
20220510-COMPOSITE-E

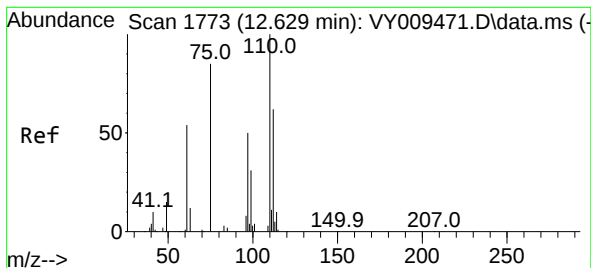
Tgt Ion:117 Resp: 168256
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 33.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009538.D
Acq: 12 Jul 2022 17:28

Tgt Ion:152 Resp: 60889
Ion Ratio Lower Upper
152 100
115 56.0 28.2 84.7
150 158.0 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 46.387 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009538.D

Acq: 12 Jul 2022 17:28

Instrument :

MSVOA_Y

ClientSampleId :

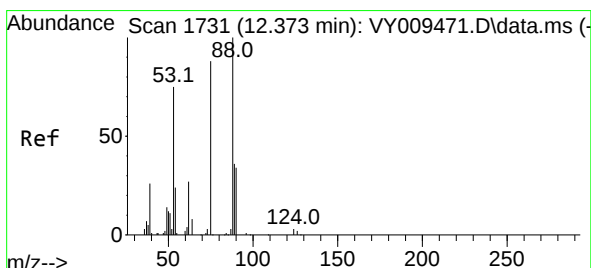
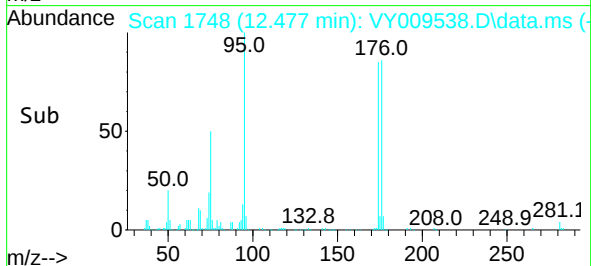
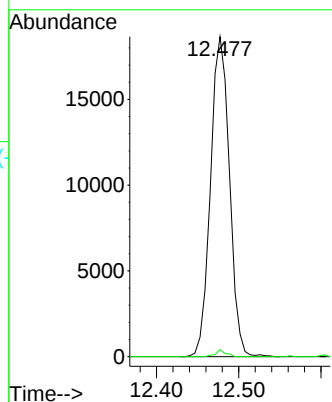
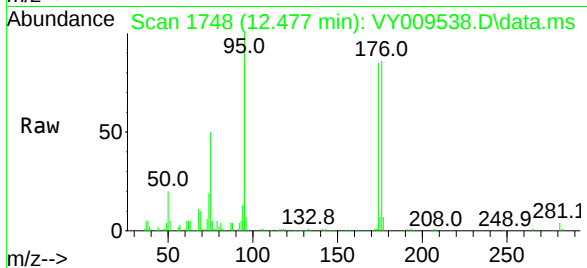
20220510-COMPOSITE-E

Tgt Ion: 75 Resp: 29899

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.937 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY009538.D

Acq: 12 Jul 2022 17:28

Tgt Ion: 75 Resp: 29899

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.0 37.0 55.4#

