

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009542.D
 Acq On : 12 Jul 2022 18:58
 Operator : KP/MD
 Sample : N3662-03
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220496B-SIM/C2B-COMPOSITE

Quant Time: Jul 13 01:16:52 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)

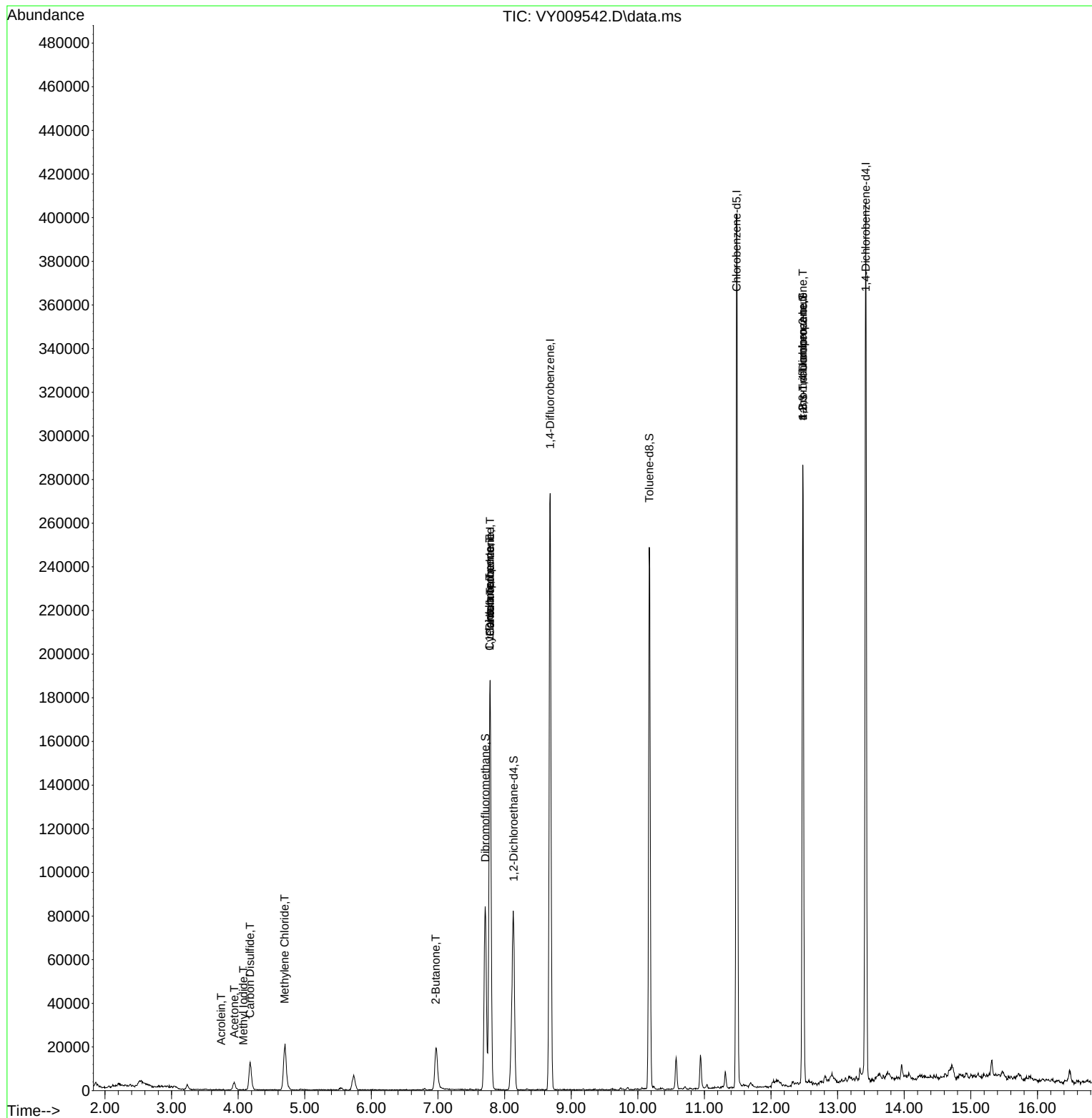
Internal Standards						
1) Pentafluorobenzene	7.783	168	147420	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	234887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	213322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	99801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	55137	53.556	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.120%	
35) Dibromofluoromethane	7.710	113	58313	47.182	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.360%	
50) Toluene-d8	10.173	98	159968	46.667	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 93.340%	
62) 4-Bromofluorobenzene	12.477	95	80613	46.208	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 92.420%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.076	142	57	4.192	ug/l #	35
11) Tert butyl alcohol	4.948	59	326	Below Cal	#	77
13) Acrolein	3.747	56	23	30.411	ug/l #	14
16) Acetone	3.942	43	6007	16.750	ug/l #	85
17) Carbon Disulfide	4.180	76	23981	9.876	ug/l	99
20) Methylene Chloride	4.698	84	13943	3.849	ug/l	85
23) Vinyl Acetate	6.064	43	27	Below Cal	#	75
25) 2-Butanone	6.966	43	2237	3.856	ug/l #	54
31) Cyclohexane	7.777	56	3151	1.303	ug/l #	5
36) 1,1-Dichloropropene	7.777	75	11038	5.486	ug/l #	51
38) Carbon Tetrachloride	7.783	117	14269	6.631	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	42761	40.475	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	42761	82.838	ug/l #	7

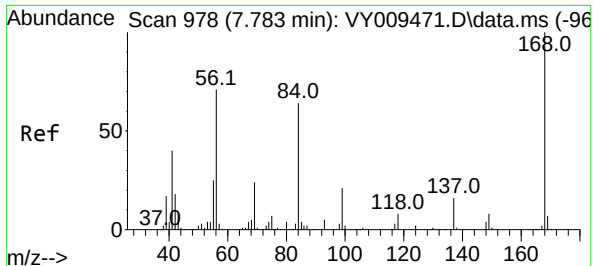
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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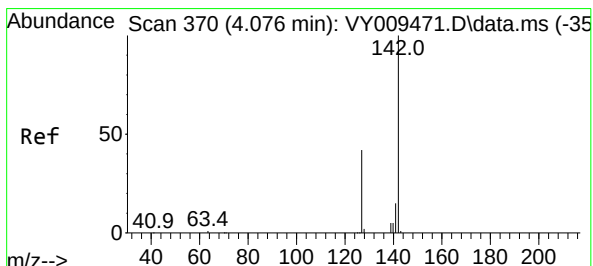
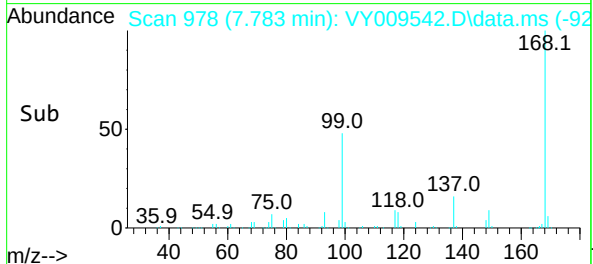
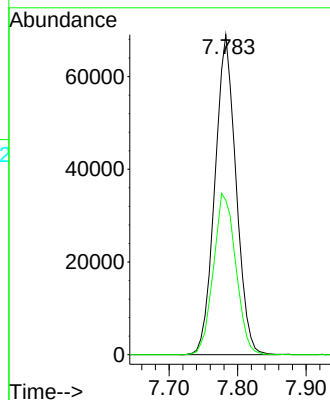
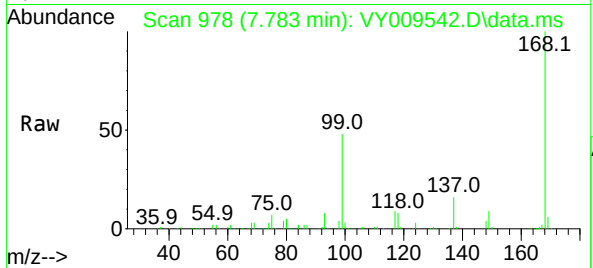




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009542.D
Acq: 12 Jul 2022 18:58

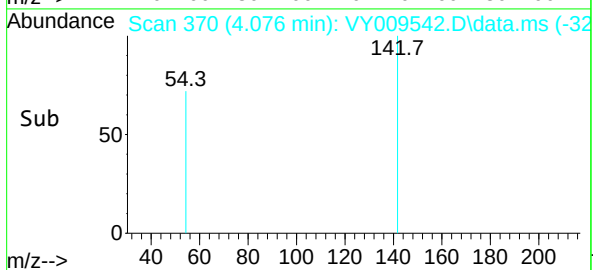
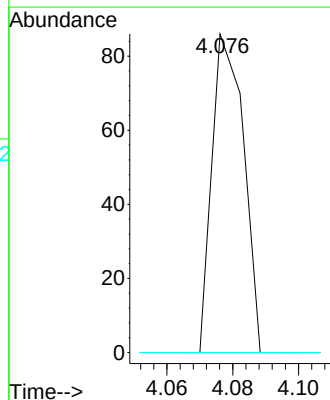
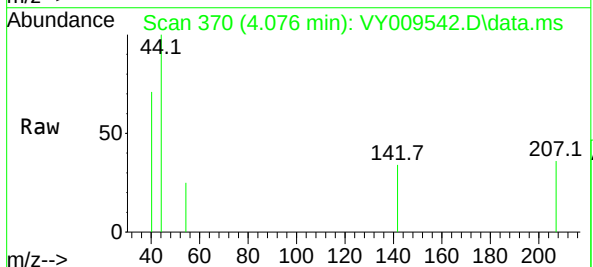
Instrument :
MSVOA_Y
ClientSampleId :
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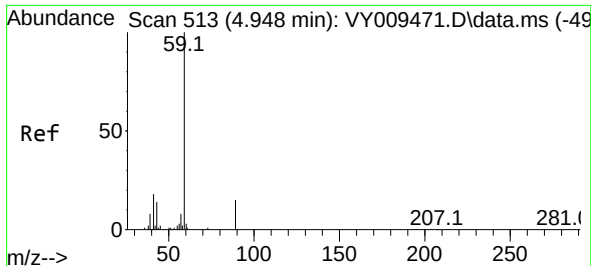
Tgt Ion:168 Resp: 147420
Ion Ratio Lower Upper
168 100
99 48.3 46.9 70.3



#10
Methyl Iodide
Concen: 4.192 ug/l
RT: 4.076 min Scan# 370
Delta R.T. 0.000 min
Lab File: VY009542.D
Acq: 12 Jul 2022 18:58

Tgt Ion:142 Resp: 57
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

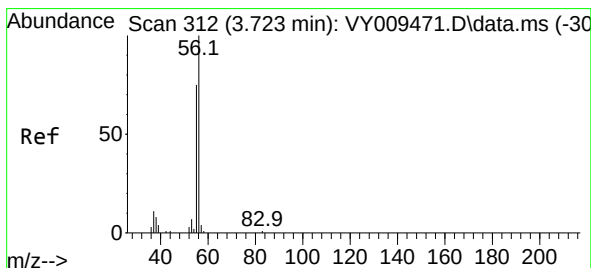
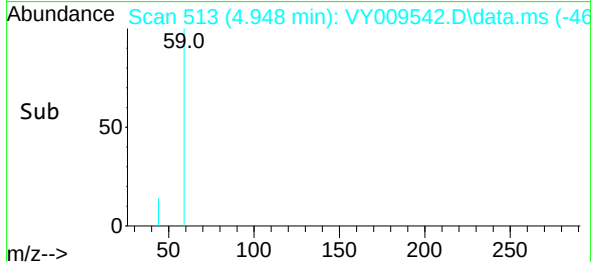
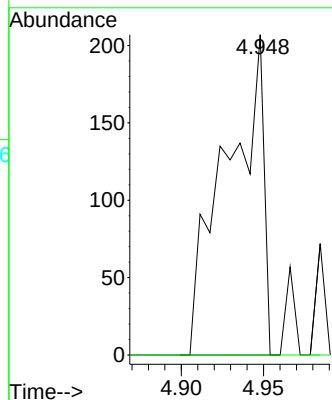
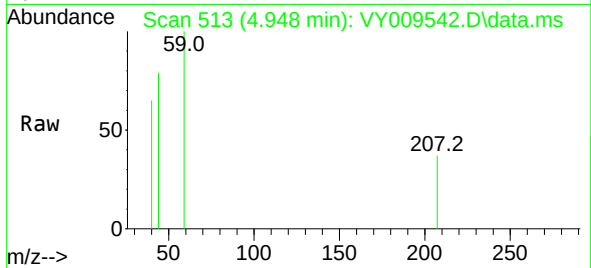




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY009542.D
Acq: 12 Jul 2022 18:58

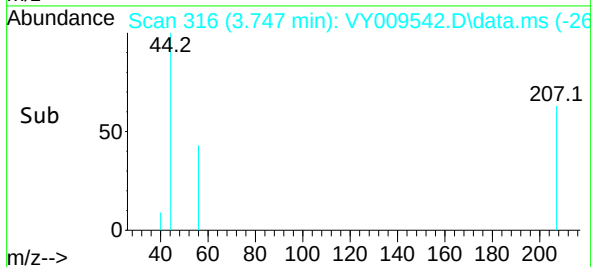
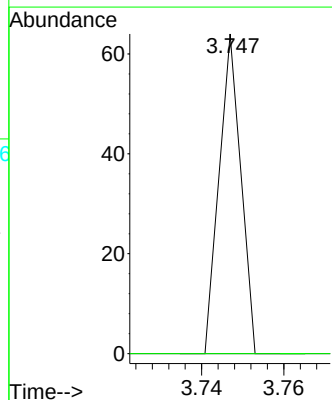
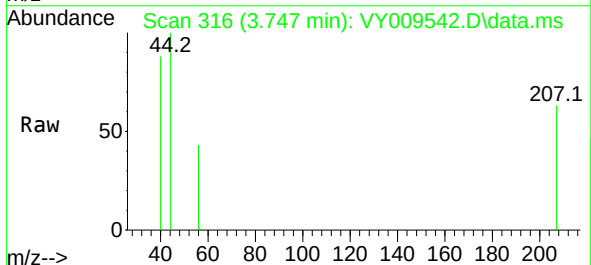
Instrument : MSVOA_Y
ClientSampleId : 20220496B-SIM/C2B-COMPOSITE

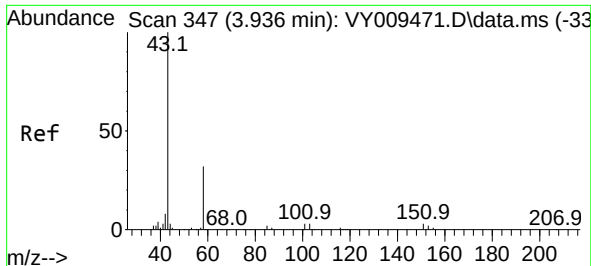
Tgt Ion: 59 Resp: 326
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#13
Acrolein
Concen: 30.411 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.024 min
Lab File: VY009542.D
Acq: 12 Jul 2022 18:58

Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#

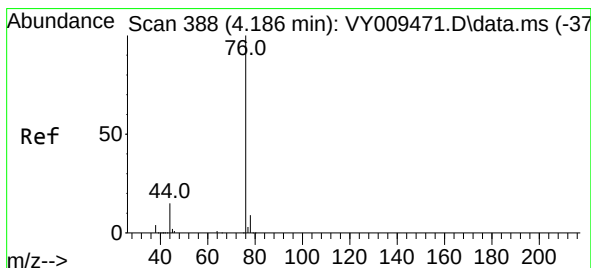
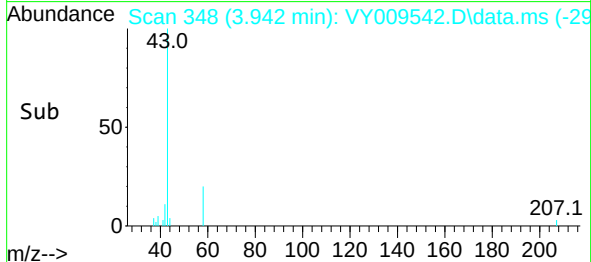
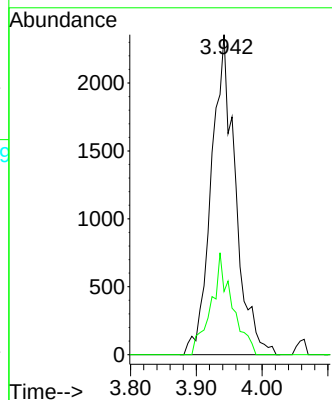
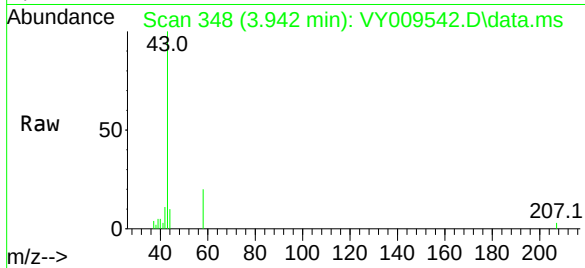




#16
Acetone
Concen: 16.750 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY009542.D
Acq: 12 Jul 2022 18:58

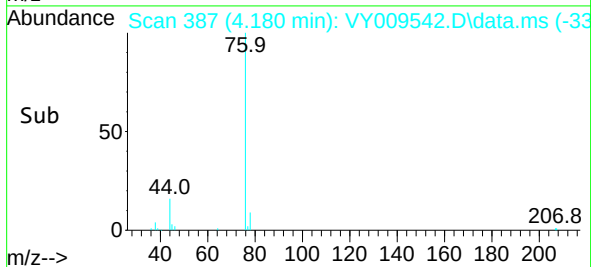
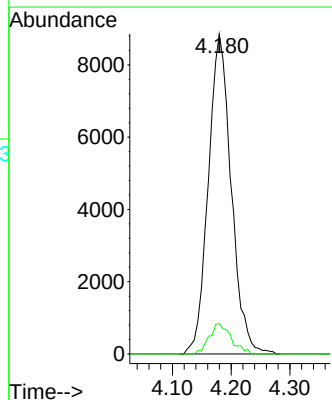
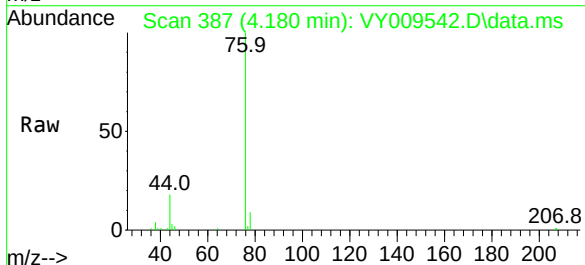
Instrument :
MSVOA_Y
ClientSampleId :
20220496B-SIM/C2B-COMPOSITE

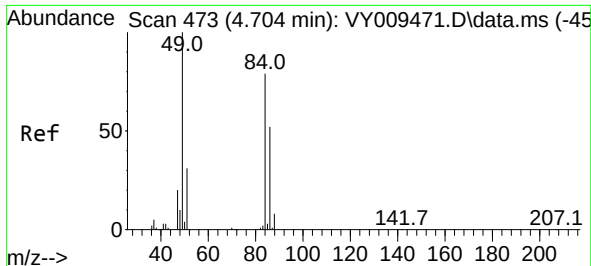
Tgt Ion: 43 Resp: 6007
Ion Ratio Lower Upper
43 100
58 19.7 22.0 33.0#



#17
Carbon Disulfide
Concen: 9.876 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY009542.D
Acq: 12 Jul 2022 18:58

Tgt Ion: 76 Resp: 23981
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0

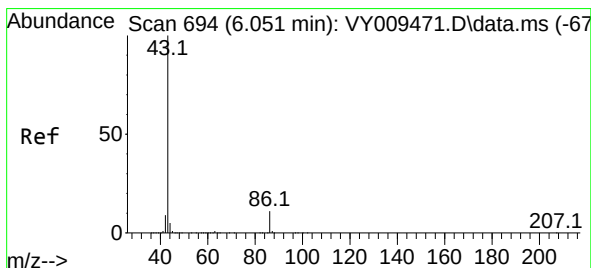
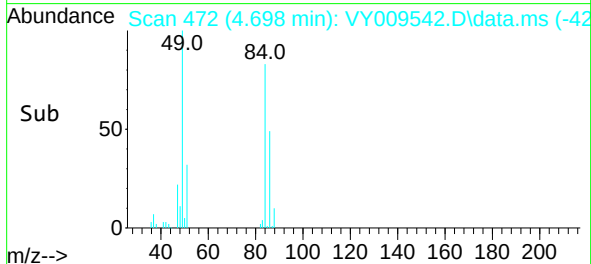
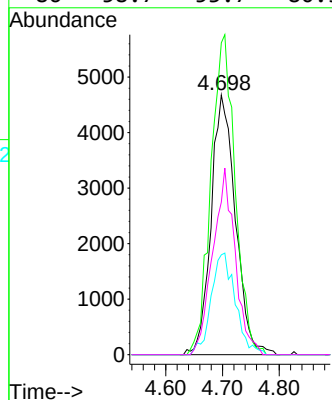
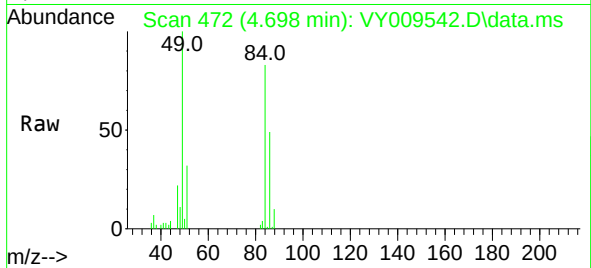




#20
Methylene Chloride
Concen: 3.849 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009542.D
Acq: 12 Jul 2022 18:58

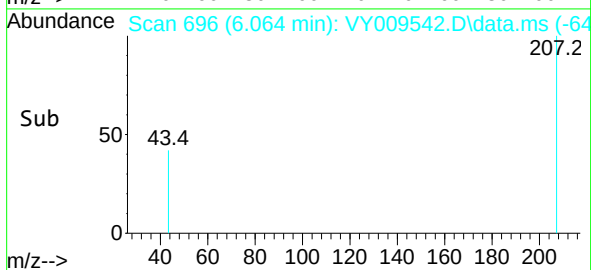
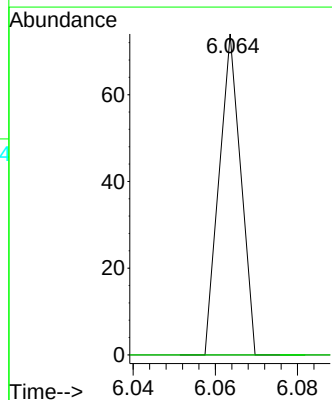
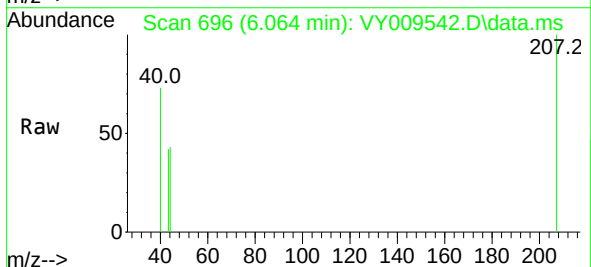
Instrument :
MSVOA_Y
ClientSampleId :
20220496B-SIM/C2B-COMPOSITE

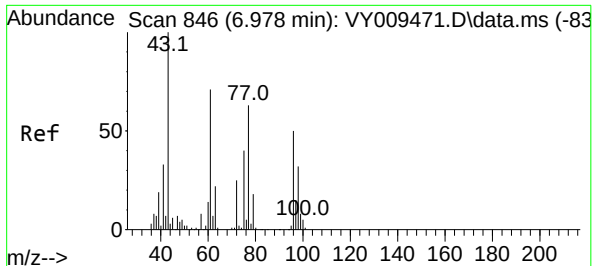
Tgt Ion: 84 Resp: 13943
Ion Ratio Lower Upper
84 100
49 120.1 114.4 171.6
51 38.4 35.3 52.9
86 58.7 53.7 80.5



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.064 min Scan# 696
Delta R.T. 0.013 min
Lab File: VY009542.D
Acq: 12 Jul 2022 18:58

Tgt Ion: 43 Resp: 27
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#





#25

2-Butanone

Concen: 3.856 ug/l

RT: 6.966 min Scan# 846

Delta R.T. -0.012 min

Lab File: VY009542.D

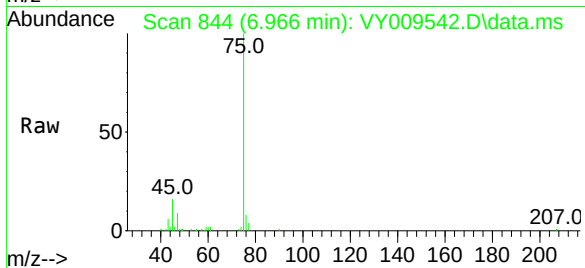
Acq: 12 Jul 2022 18:58

Instrument :

MSVOA_Y

ClientSampleId :

20220496B-SIM/C2B-COMPOSITE

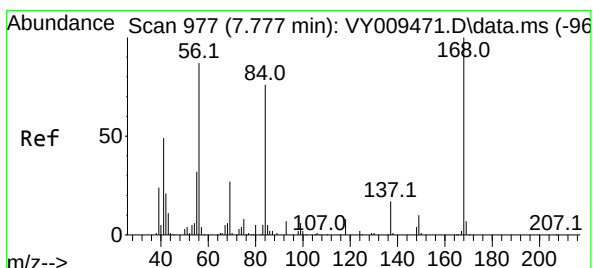
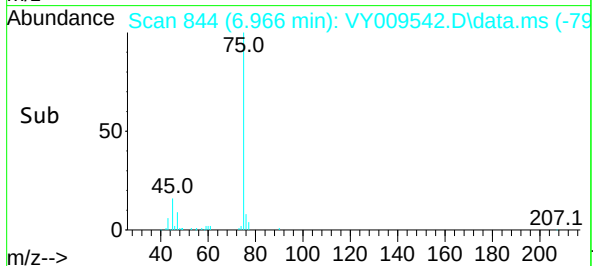
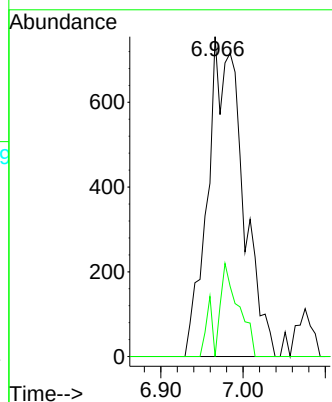


Tgt Ion: 43 Resp: 2237

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.303 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY009542.D

Acq: 12 Jul 2022 18:58

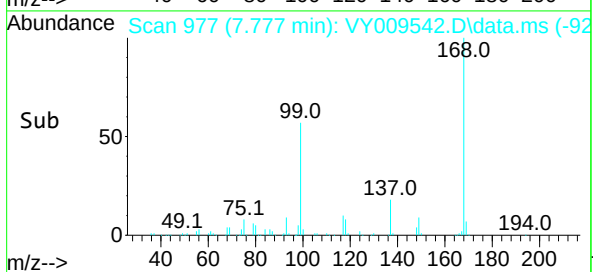
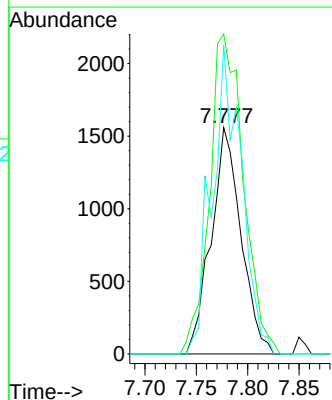
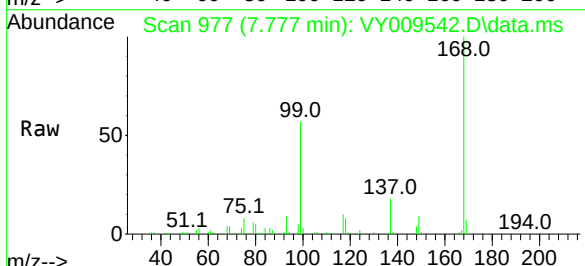
Tgt Ion: 56 Resp: 3151

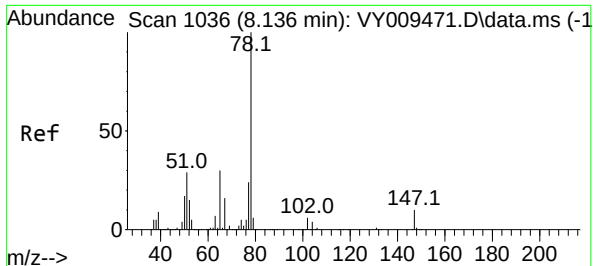
Ion Ratio Lower Upper

56 100

69 141.4 26.7 40.1#

84 136.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 53.556 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY009542.D

Acq: 12 Jul 2022 18:58

Instrument :

MSVOA_Y

ClientSampleId :

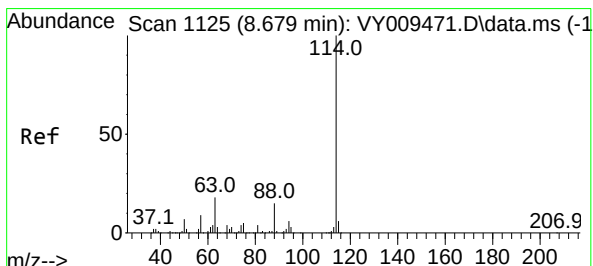
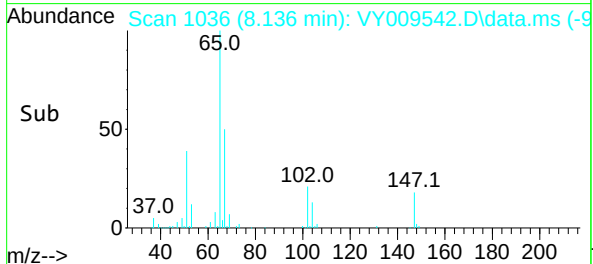
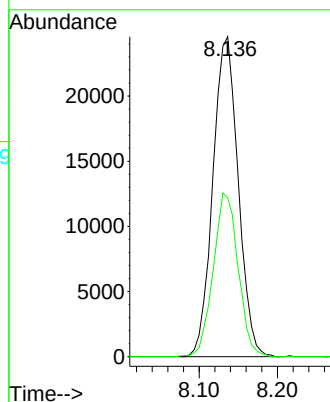
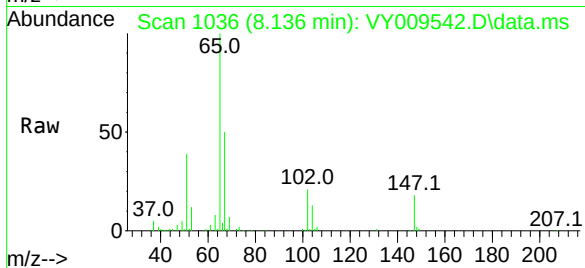
20220496B-SIM/C2B-COMPOSITE

Tgt Ion: 65 Resp: 55137

Ion Ratio Lower Upper

65 100

67 50.2 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: VY009542.D

Acq: 12 Jul 2022 18:58

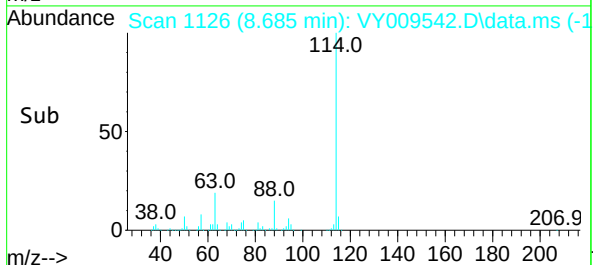
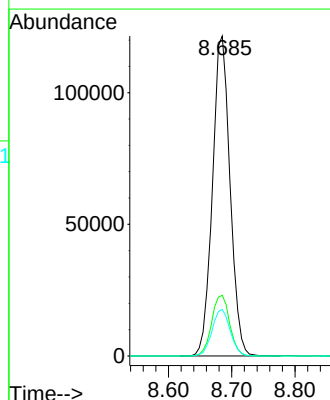
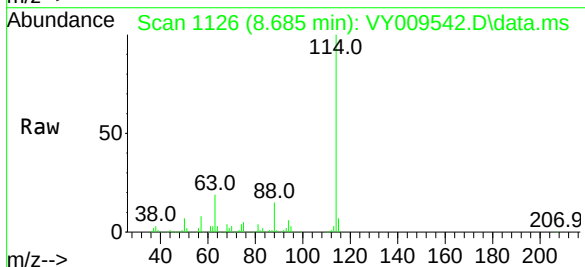
Tgt Ion: 114 Resp: 234887

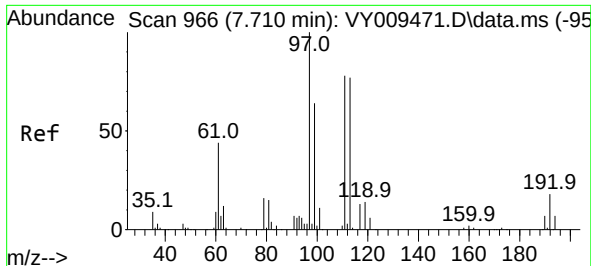
Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 14.5 0.0 31.8

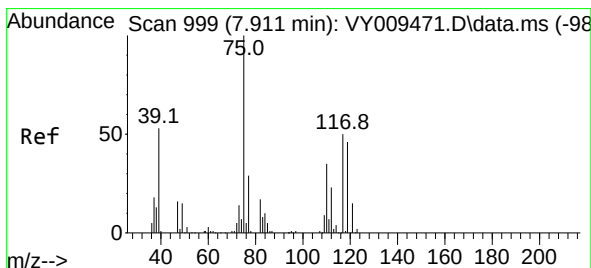
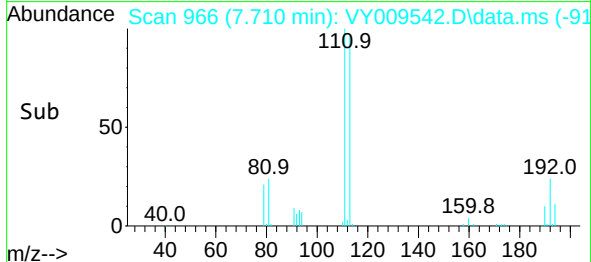
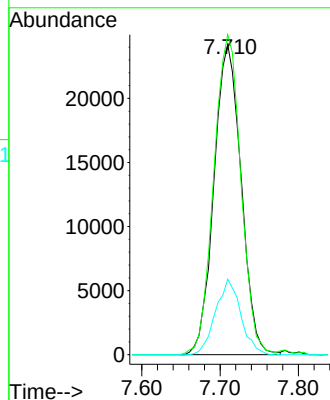
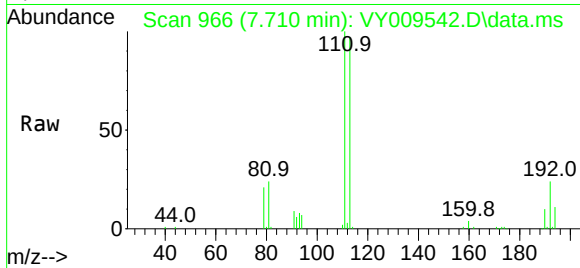




#35
Dibromofluoromethane
Concen: 47.182 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009542.D
Acq: 12 Jul 2022 18:58

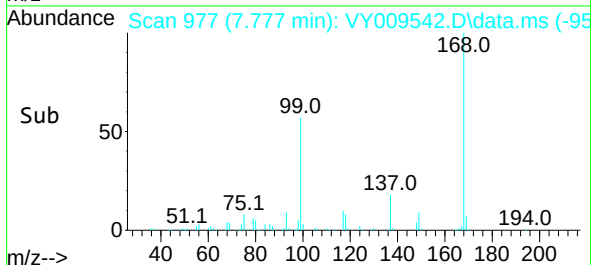
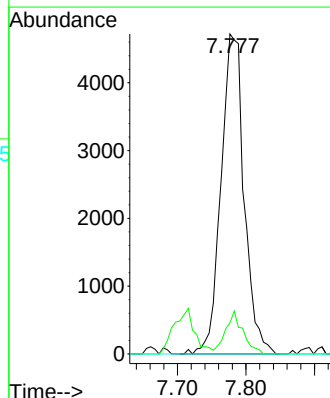
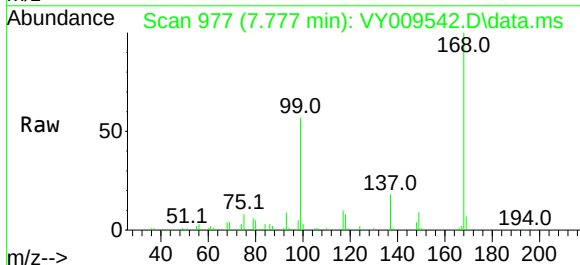
Instrument :
MSVOA_Y
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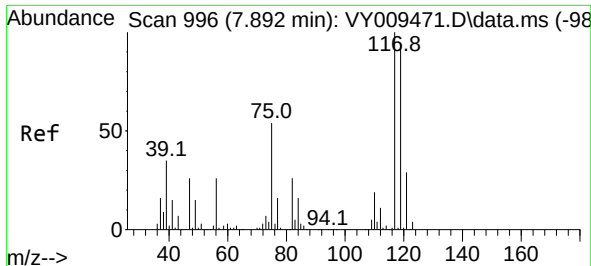
Tgt Ion:113 Resp: 58313
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 22.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.486 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY009542.D
Acq: 12 Jul 2022 18:58

Tgt Ion: 75 Resp: 11038
Ion Ratio Lower Upper
75 100
110 10.0 17.1 51.2#
77 0.0 24.4 36.6#

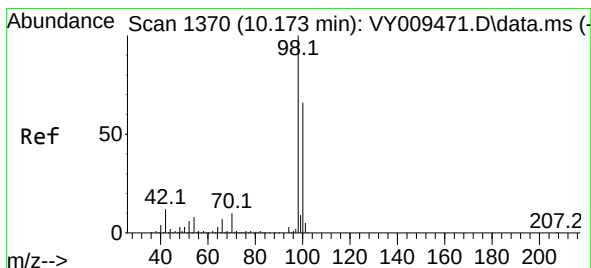
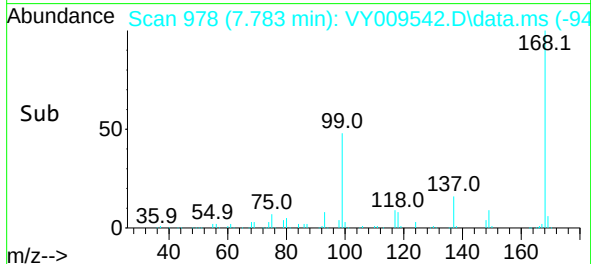
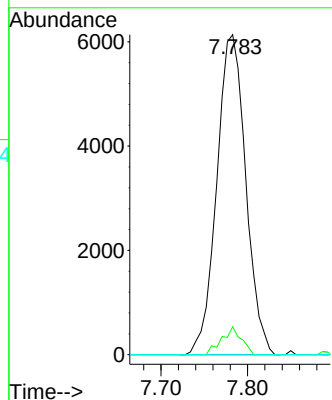
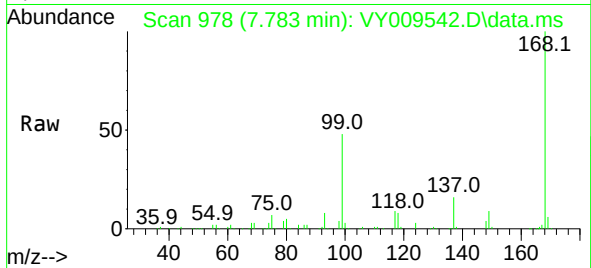




#38
Carbon Tetrachloride
Concen: 6.631 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009542.D
Acq: 12 Jul 2022 18:58

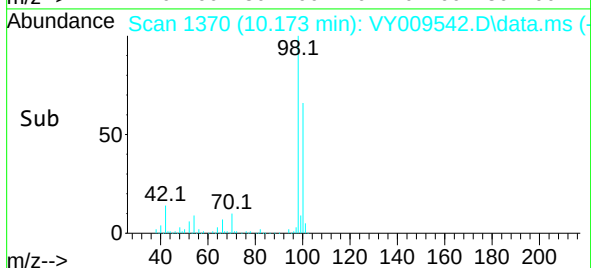
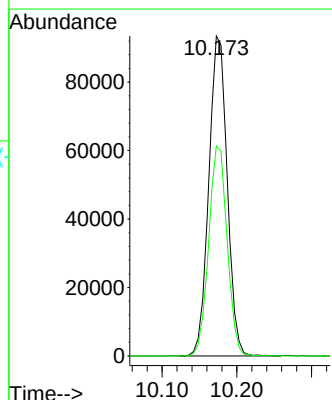
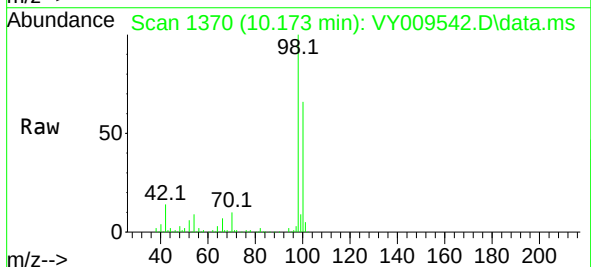
Instrument :
MSVOA_Y
ClientSampleId :
20220496B-SIM/C2B-COMPOSITE

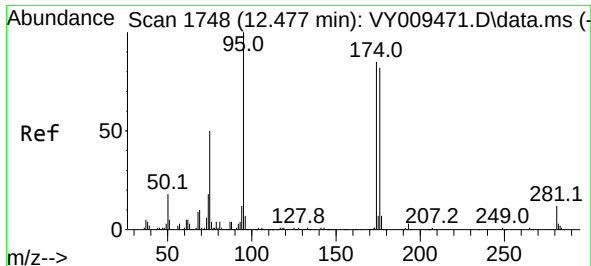
Tgt Ion:117 Resp: 14269
Ion Ratio Lower Upper
117 100
119 8.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.667 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009542.D
Acq: 12 Jul 2022 18:58

Tgt Ion: 98 Resp: 159968
Ion Ratio Lower Upper
98 100
100 66.0 50.2 75.2

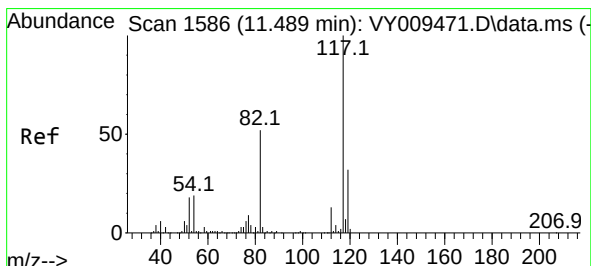
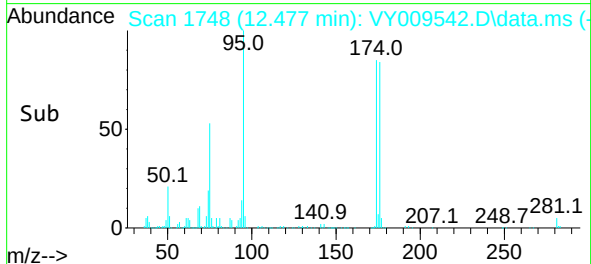
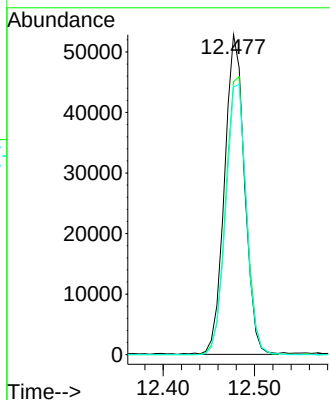
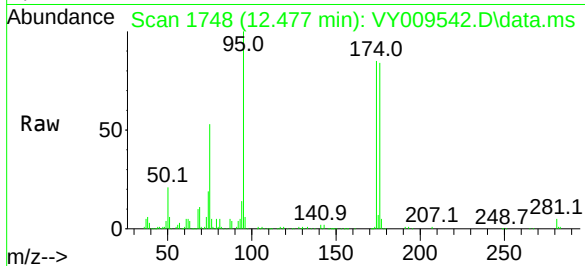




#62
4-Bromofluorobenzene
Concen: 46.208 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009542.D
Acq: 12 Jul 2022 18:58

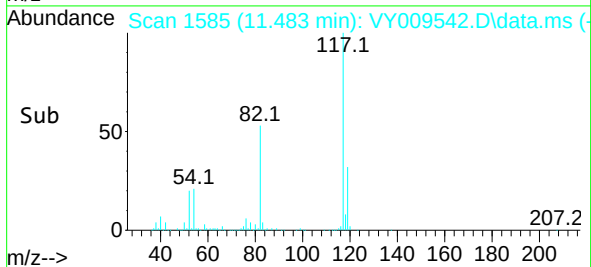
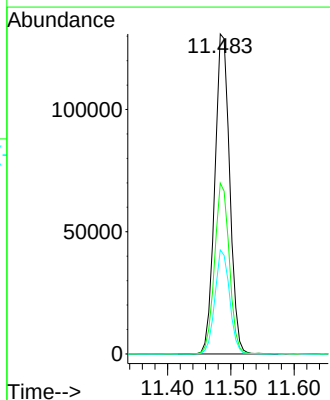
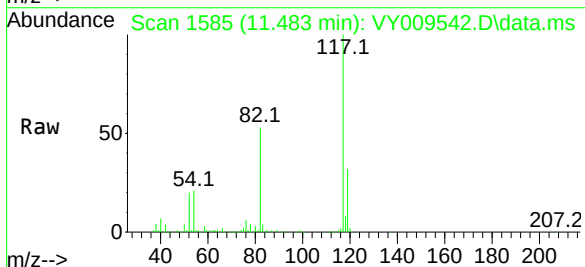
Instrument :
MSVOA_Y
ClientSampleId :
20220496B-SIM/C2B-COMPOSITE

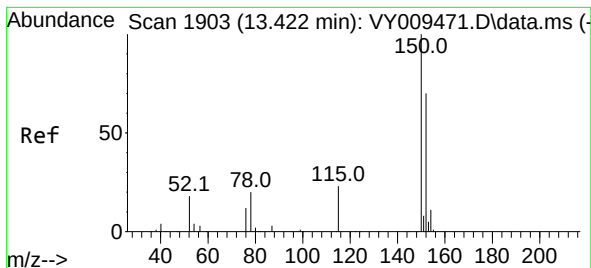
Tgt Ion: 95 Resp: 80613
Ion Ratio Lower Upper
95 100
174 89.4 0.0 177.0
176 86.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY009542.D
Acq: 12 Jul 2022 18:58

Tgt Ion: 117 Resp: 213322
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.4
119 32.5 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: VY009542.D

Acq: 12 Jul 2022 18:58

Instrument :

MSVOA_Y

ClientSampleId :

20220496B-SIM/C2B-COMPOSITE

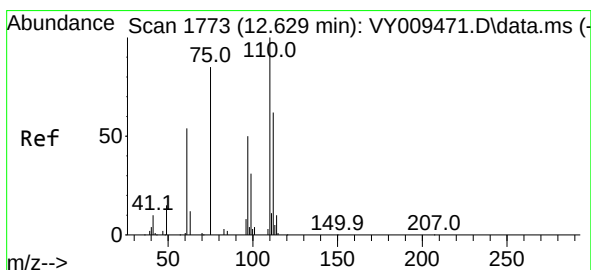
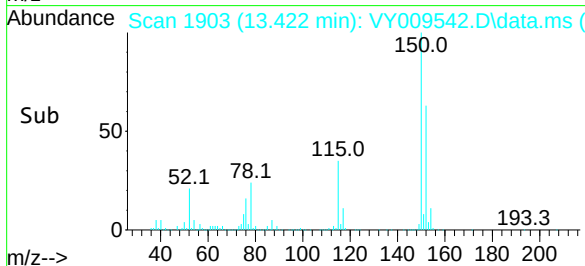
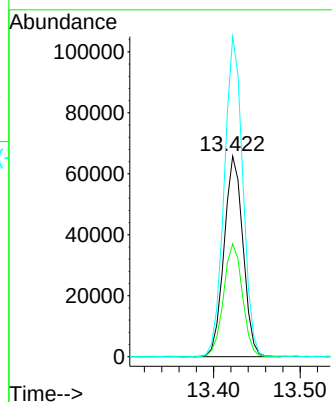
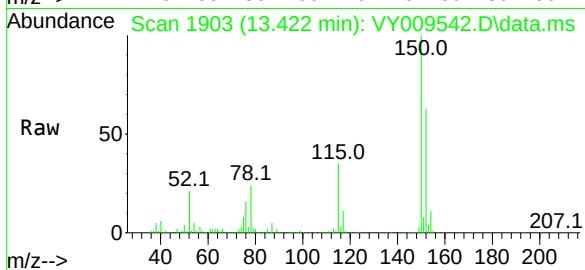
Tgt Ion:152 Resp: 99801

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.7

150 156.7 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 40.475 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009542.D

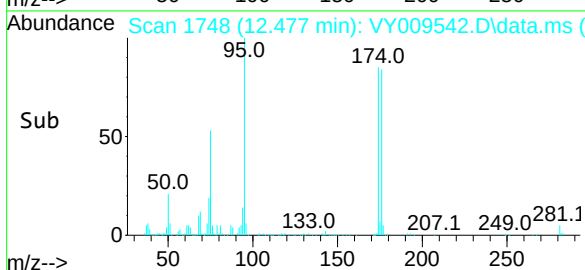
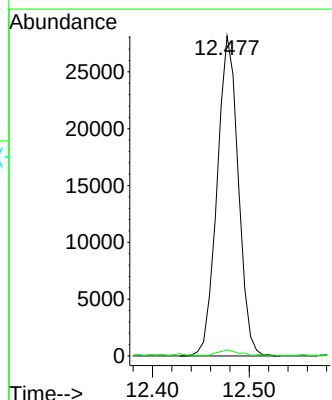
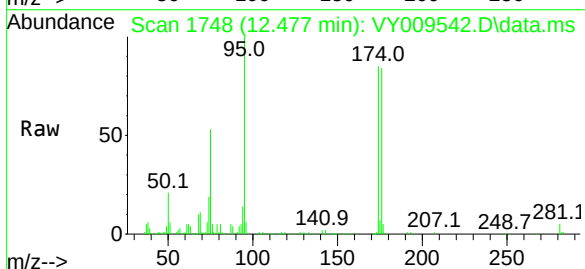
Acq: 12 Jul 2022 18:58

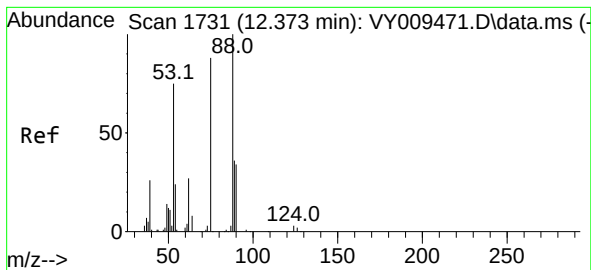
Tgt Ion: 75 Resp: 42761

Ion Ratio Lower Upper

75 100

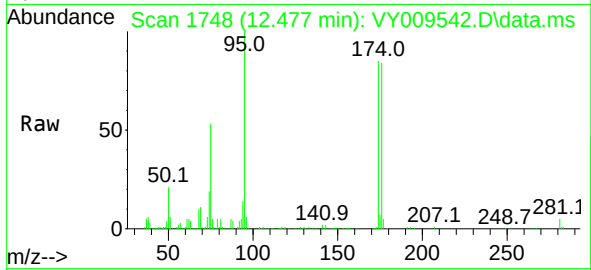
77 2.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.838 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009542.D
 Acq: 12 Jul 2022 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220496B-SIM/C2B-COMPOSITE



Tgt Ion: 75 Resp: 42761
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.1 37.0 55.4#

