

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012121.D
 Acq On : 09 Jan 2023 19:18
 Operator : KP/MD
 Sample : 01072-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 H-5-MIDDLE(4-8)

Quant Time: Jan 10 01:50:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

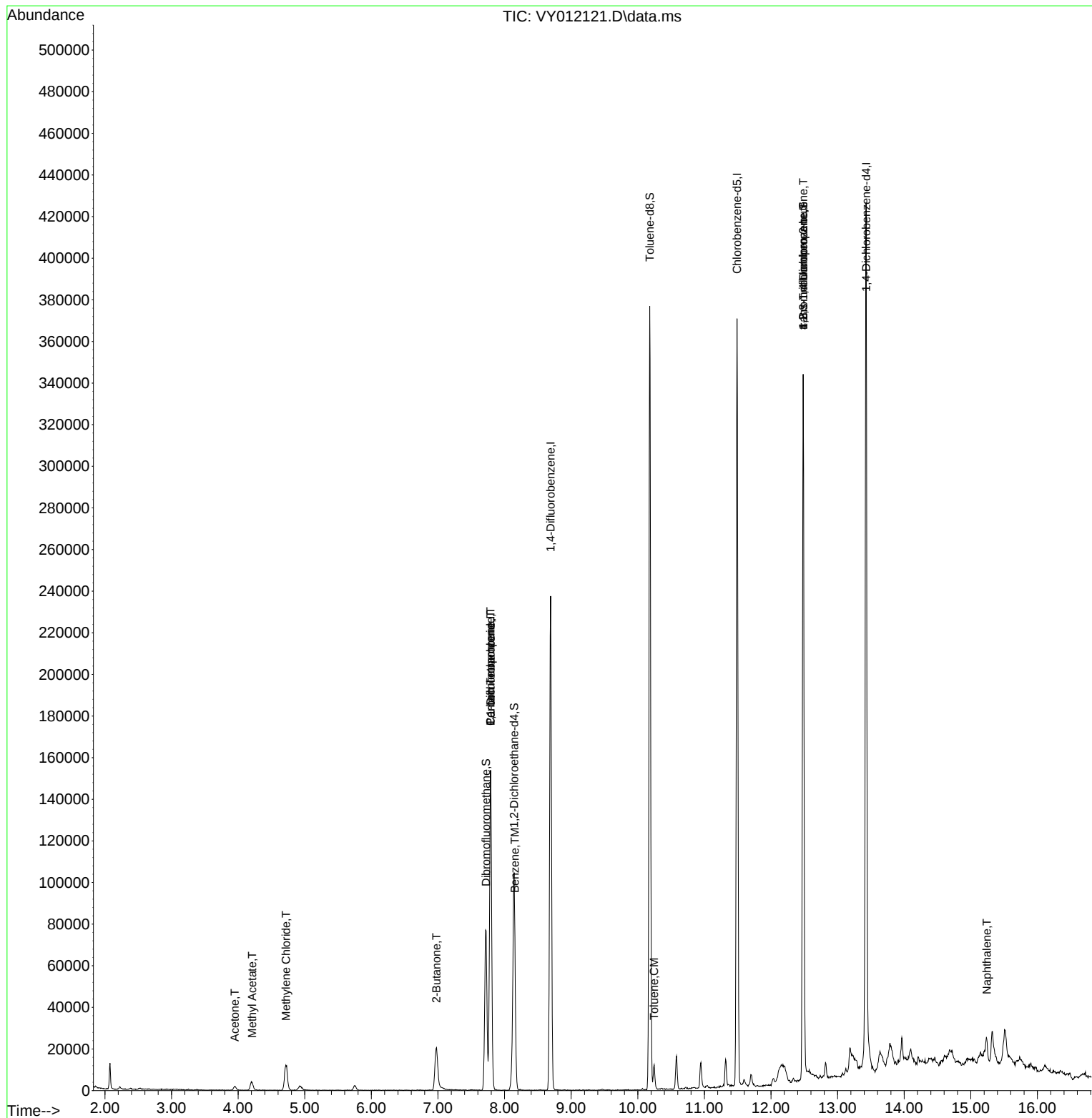
Internal Standards						
1) Pentafluorobenzene	7.789	168	118932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	206976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	210268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	80180	59.997	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.000%	
35) Dibromofluoromethane	7.722	113	53338	39.207	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 78.420%	
50) Toluene-d8	10.179	98	249780	46.517	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.040%	
62) 4-Bromofluorobenzene	12.483	95	93870	50.013	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.020%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	50	Below Cal	#	41
3) Chloromethane	2.125	50	109	Below Cal	#	41
5) Bromomethane	2.650	94	50	Below Cal	#	1
11) Tert butyl alcohol	4.924	59	2763	Below Cal	#	74
16) Acetone	3.948	43	3386	10.771	ug/l	95
17) Carbon Disulfide	4.198	76	1242	Below Cal	#	75
18) Methyl Acetate	4.210	43	1278	1.413	ug/l	50
20) Methylene Chloride	4.716	84	10363	2.133	ug/l	90
25) 2-Butanone	6.978	43	1842	4.441	ug/l	75
31) Cyclohexane	7.789	56	2190	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	8431	4.085	ug/l	50
38) Carbon Tetrachloride	7.789	117	11746	4.484	ug/l	18
40) Benzene	8.155	78	8028	1.335	ug/l	91
52) Toluene	10.246	92	4602	1.156	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	50237	41.162	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	50237	91.414	ug/l	13
95) Naphthalene	15.239	128	4795	1.079	ug/l	91

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

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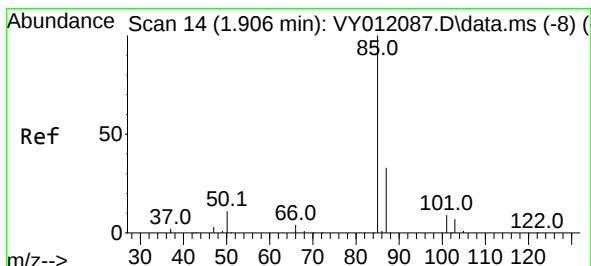
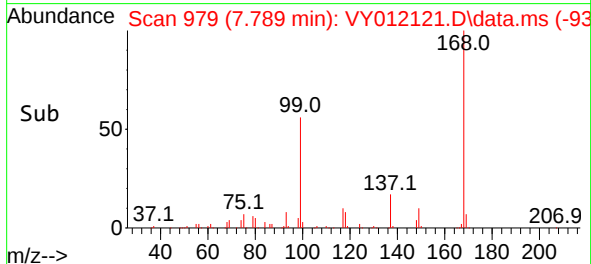
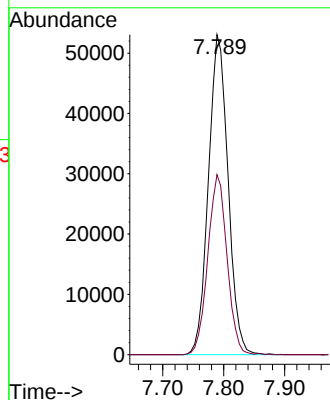
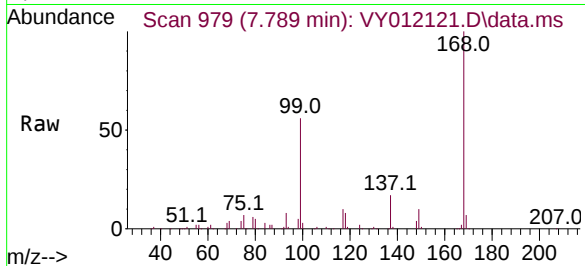




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

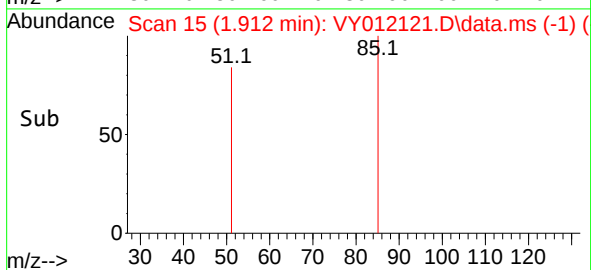
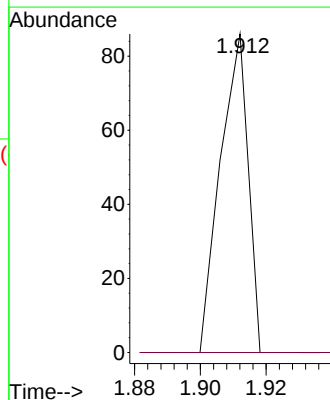
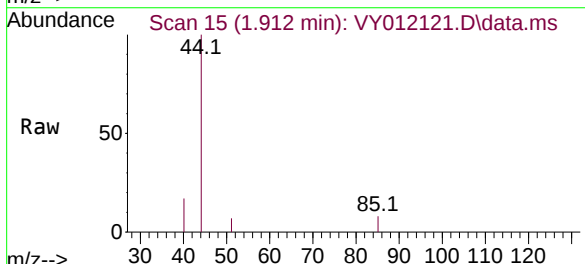
Instrument :
MSVOA_Y
ClientSampleId :
H-5-MIDDLE(4-8)

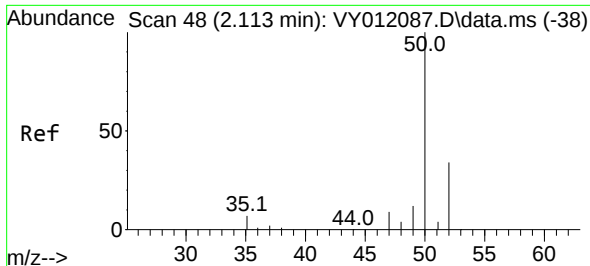
Tgt Ion:168 Resp: 118932
Ion Ratio Lower Upper
168 100
99 56.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

Tgt Ion: 85 Resp: 50
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

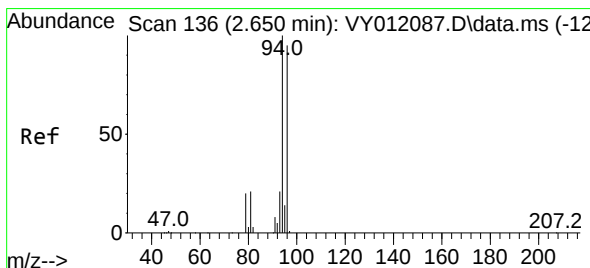
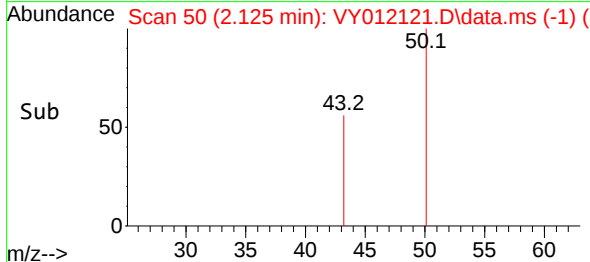
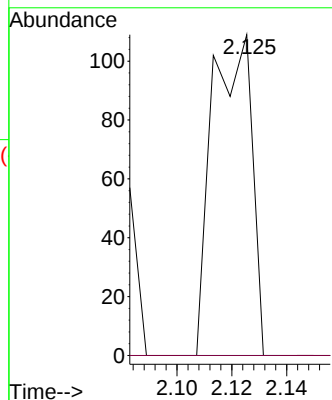
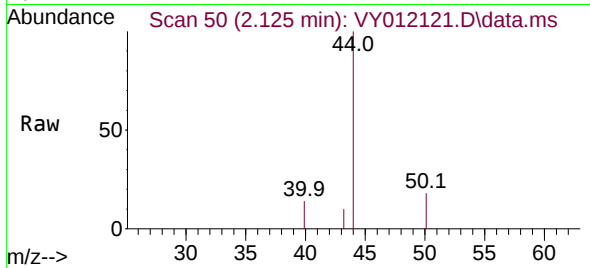




#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

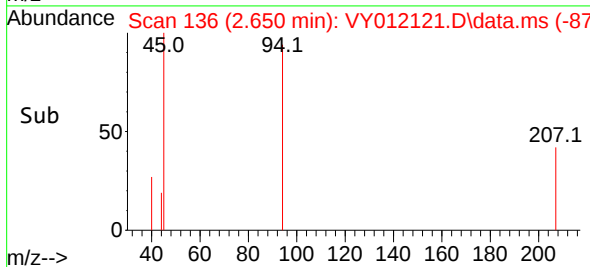
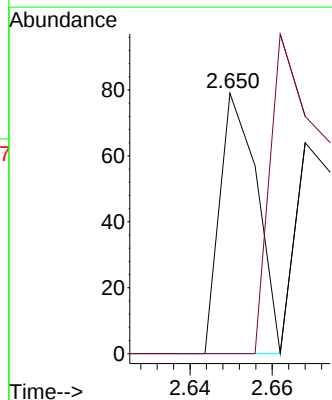
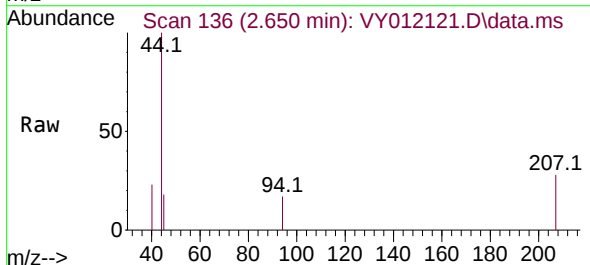
Instrument :
MSVOA_Y
ClientSampleId :
H-5-MIDDLE(4-8)

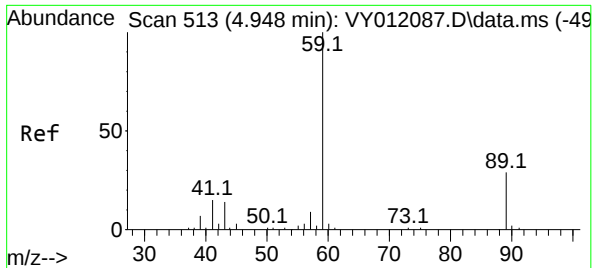
Tgt Ion: 50 Resp: 109
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. -0.000 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

Tgt Ion: 94 Resp: 50
Ion Ratio Lower Upper
94 100
96 0.0 77.4 116.2#

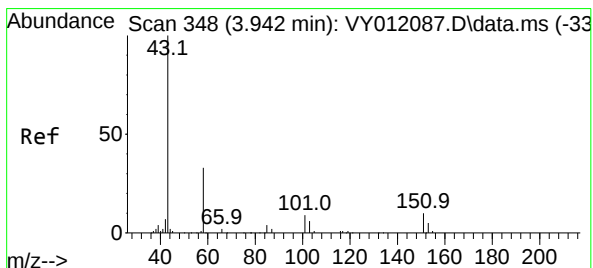
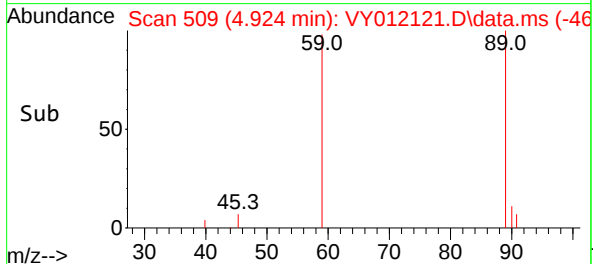
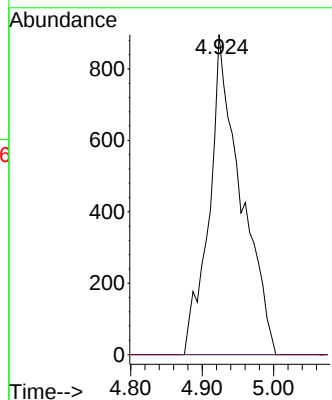
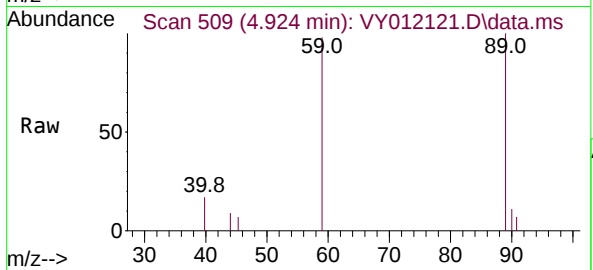




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

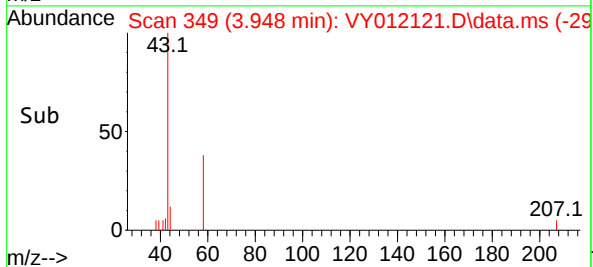
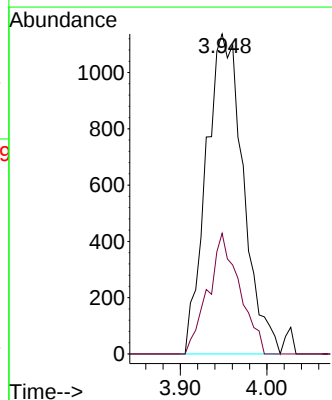
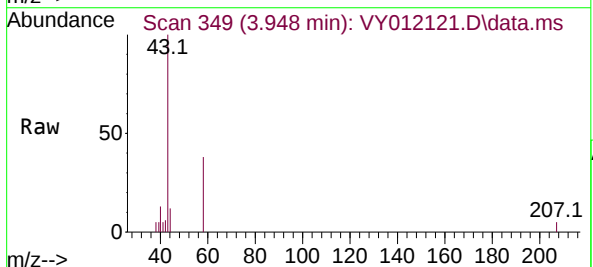
Instrument :
MSVOA_Y
ClientSampleId :
H-5-MIDDLE(4-8)

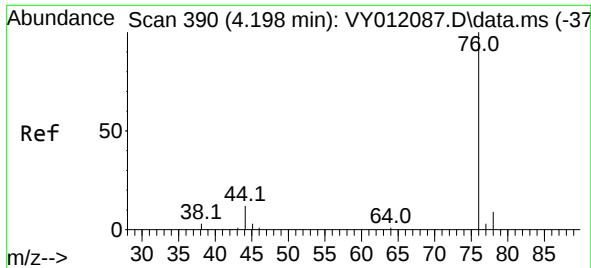
Tgt Ion: 59 Resp: 2763
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 10.771 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

Tgt Ion: 43 Resp: 3386
Ion Ratio Lower Upper
43 100
58 37.7 27.9 41.9

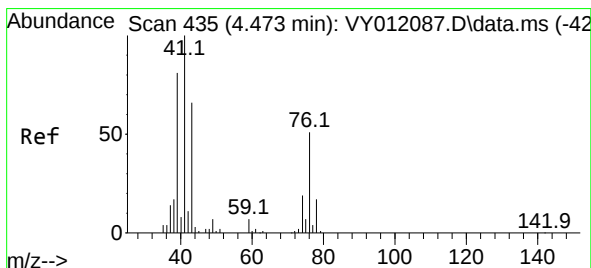
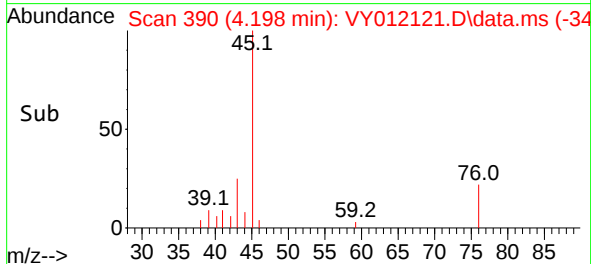
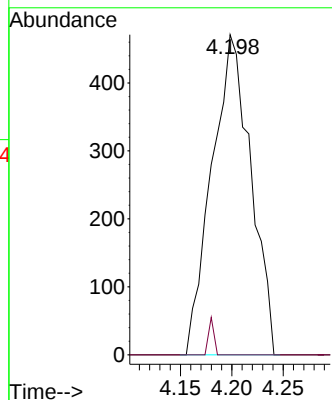
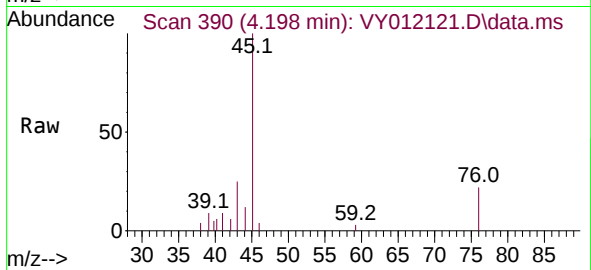




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

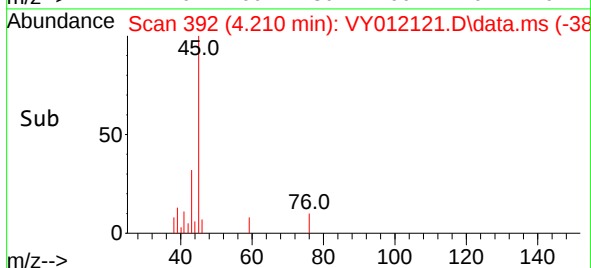
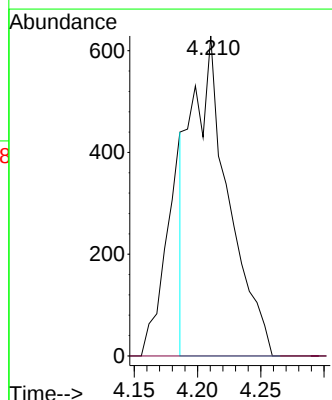
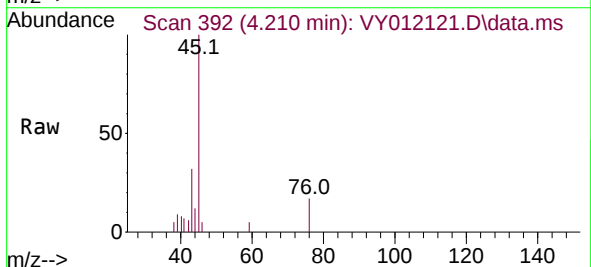
Instrument :
MSVOA_Y
ClientSampleId :
H-5-MIDDLE(4-8)

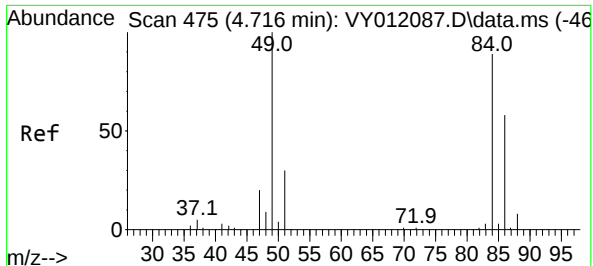
Tgt Ion: 76 Resp: 1242
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.413 ug/l
RT: 4.210 min Scan# 392
Delta R.T. -0.263 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

Tgt Ion: 43 Resp: 1278
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#





#20

Methylene Chloride

Concen: 2.133 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY012121.D

Acq: 09 Jan 2023 19:18

Instrument :

MSVOA_Y

ClientSampleId :

H-5-MIDDLE(4-8)

Tgt Ion: 84 Resp: 10363

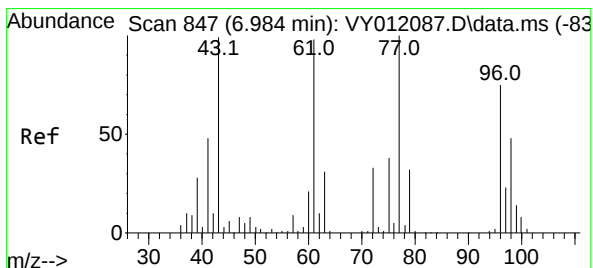
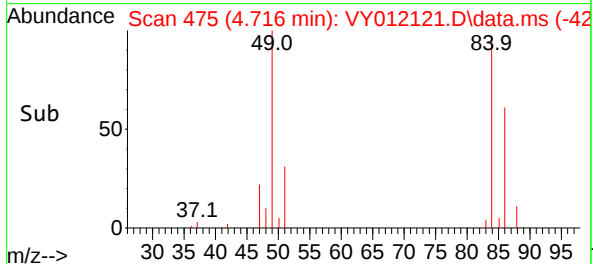
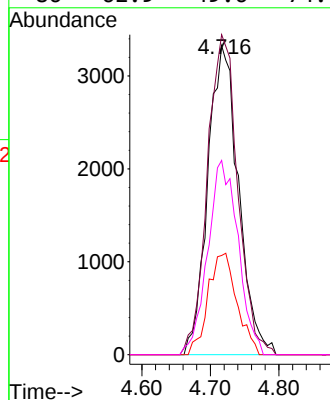
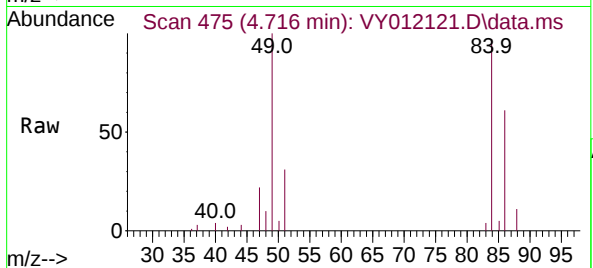
Ion Ratio Lower Upper

84 100

49 103.6 95.4 143.2

51 32.1 29.9 44.9

86 62.9 49.6 74.4



#25

2-Butanone

Concen: 4.441 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY012121.D

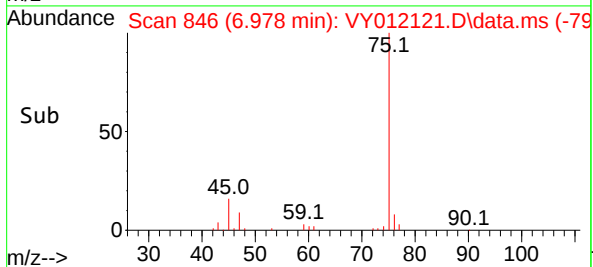
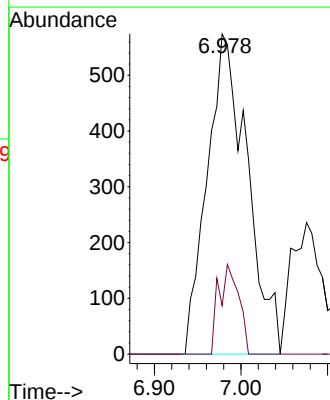
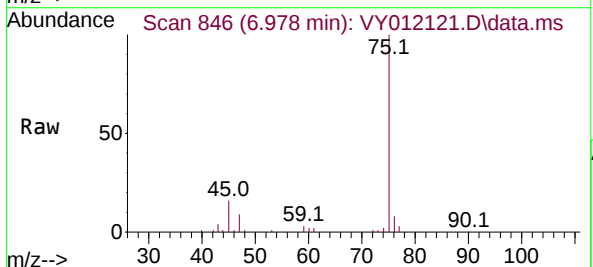
Acq: 09 Jan 2023 19:18

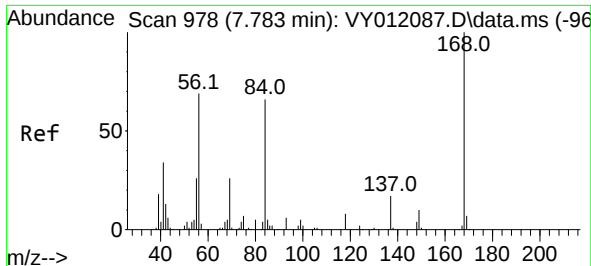
Tgt Ion: 43 Resp: 1842

Ion Ratio Lower Upper

43 100

72 15.2 22.6 34.0#

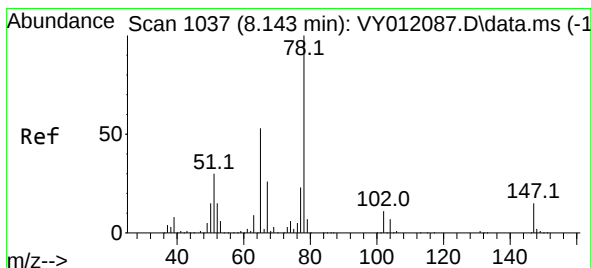
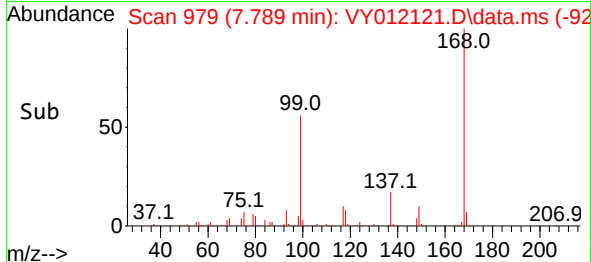
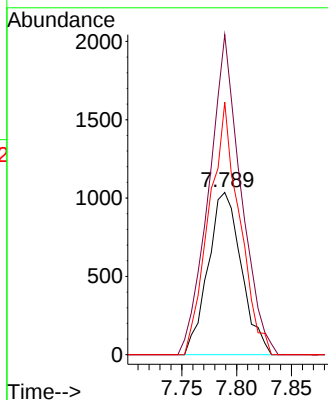
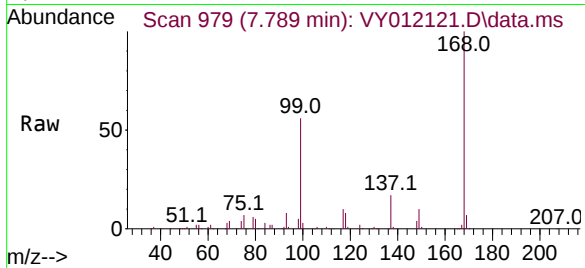




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

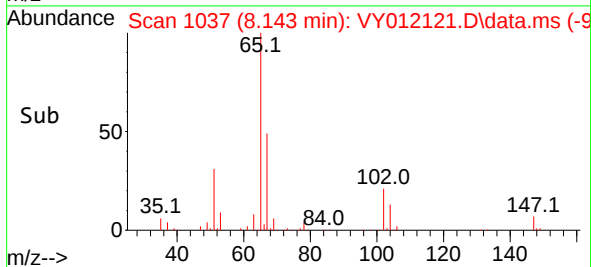
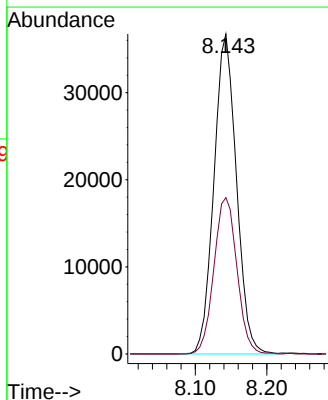
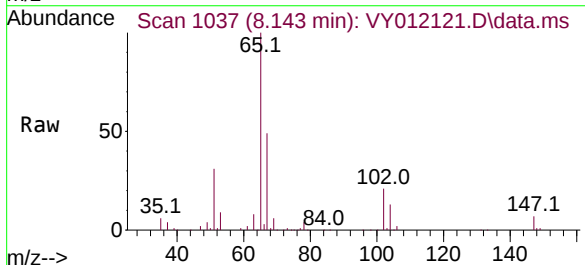
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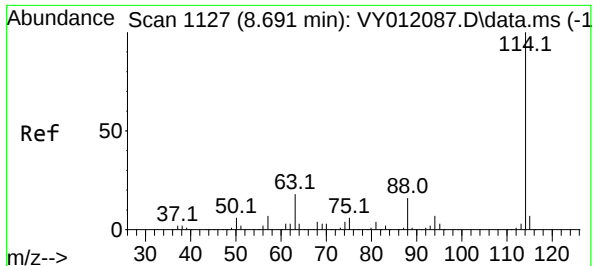
Tgt Ion: 56 Resp: 2190
Ion Ratio Lower Upper
56 100
69 197.2 29.2 43.8#
84 155.6 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 59.997 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

Tgt Ion: 65 Resp: 80180
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012121.D

Acq: 09 Jan 2023 19:18

Instrument :

MSVOA_Y

ClientSampleId :

H-5-MIDDLE(4-8)

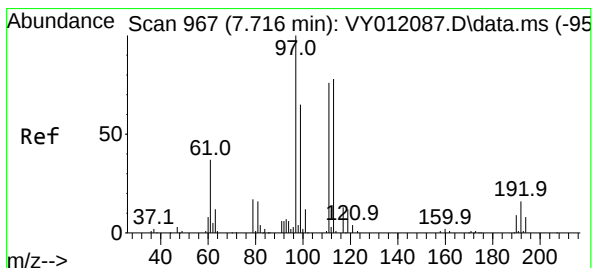
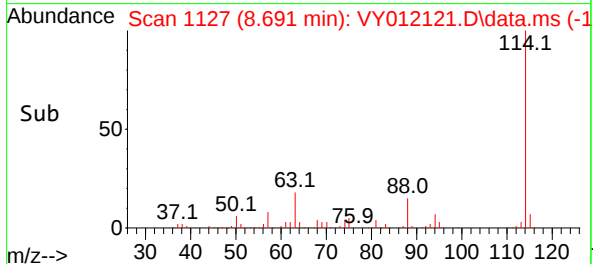
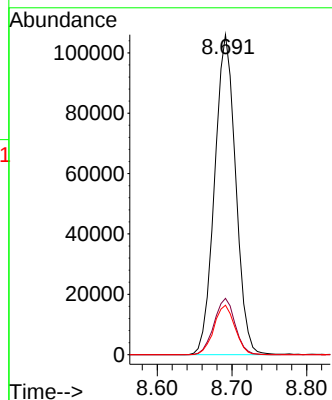
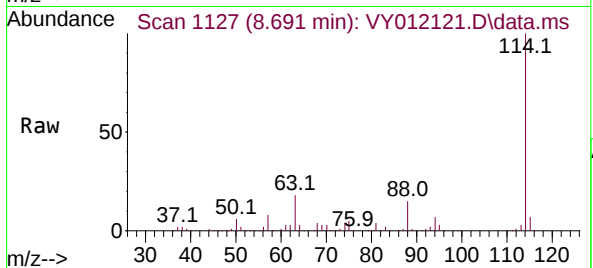
Tgt Ion:114 Resp: 206976

Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.6

88 15.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 39.207 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012121.D

Acq: 09 Jan 2023 19:18

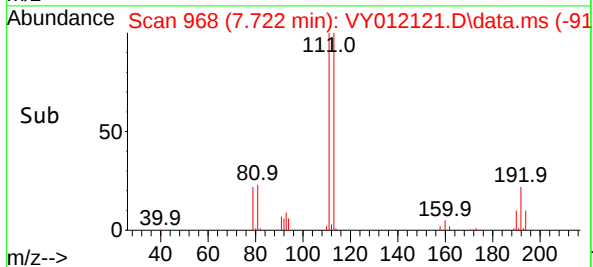
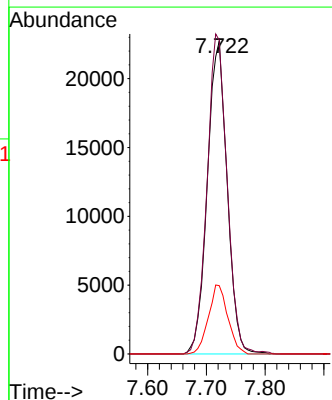
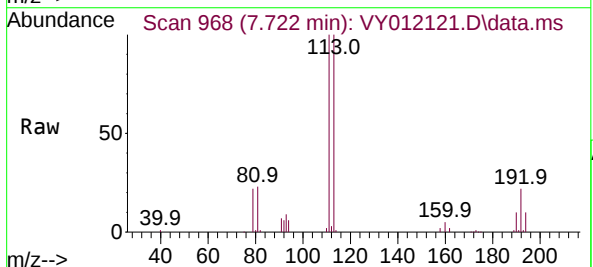
Tgt Ion:113 Resp: 53338

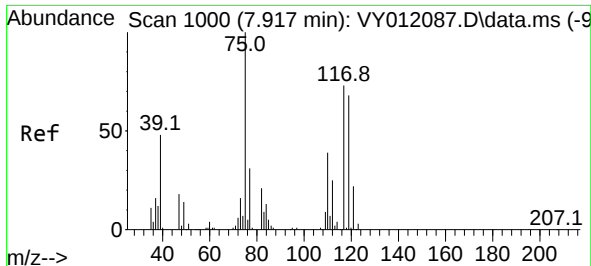
Ion Ratio Lower Upper

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111 103.2 83.0 124.4

192 21.6 16.0 24.0

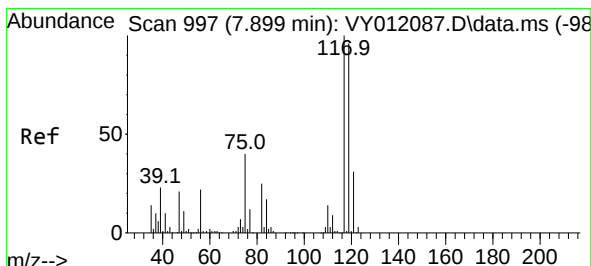
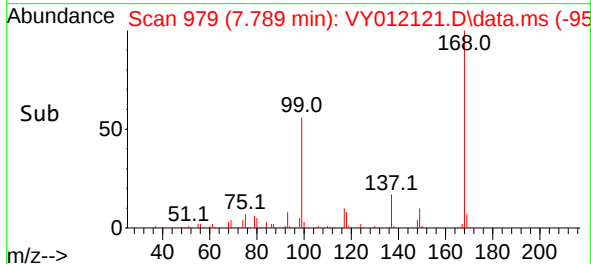
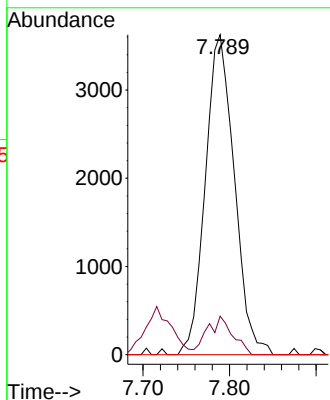
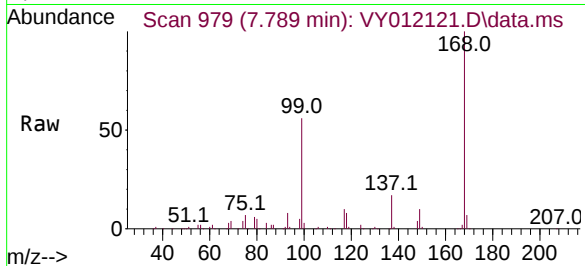




#36
 1,1-Dichloropropene
 Concen: 4.085 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY012121.D
 Acq: 09 Jan 2023 19:18

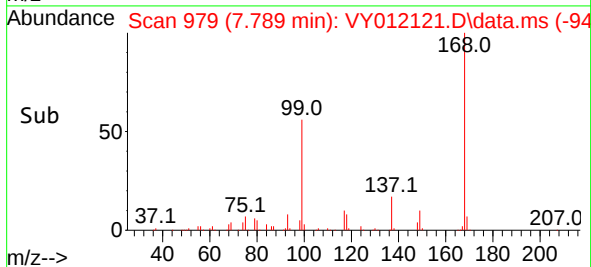
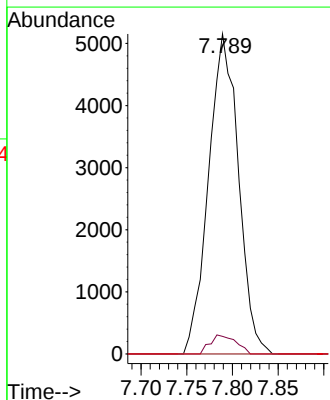
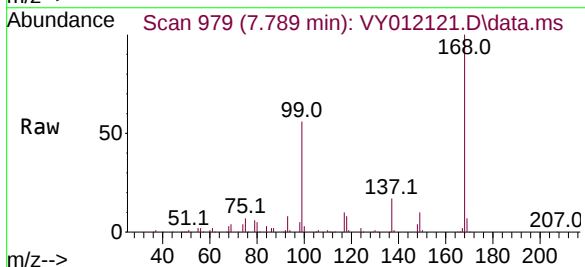
Instrument :
 MSVOA_Y
 ClientSampleId :
 H-5-MIDDLE(4-8)

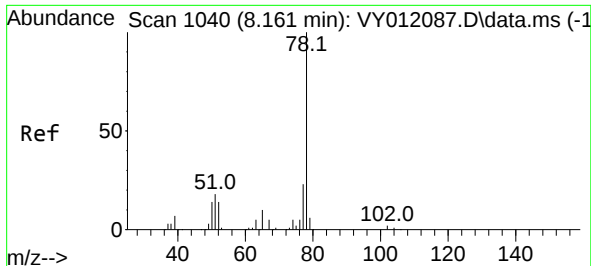
Tgt Ion: 75 Resp: 8431
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.1 54.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 4.484 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY012121.D
 Acq: 09 Jan 2023 19:18

Tgt Ion: 117 Resp: 11746
 Ion Ratio Lower Upper
 117 100
 119 5.5 73.8 110.8#
 121 0.0 25.2 37.8#

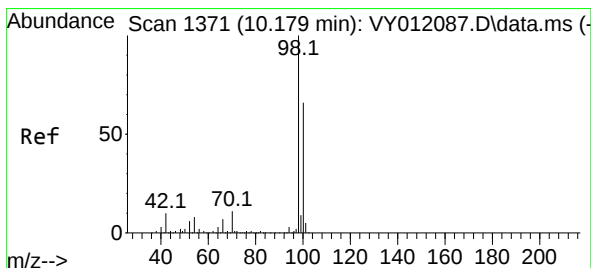
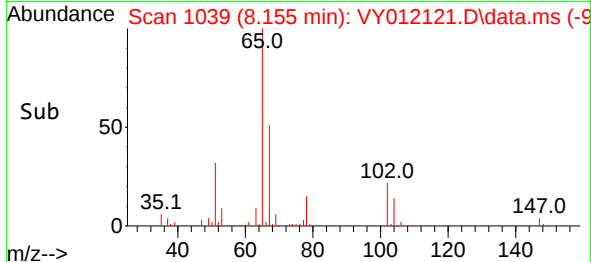
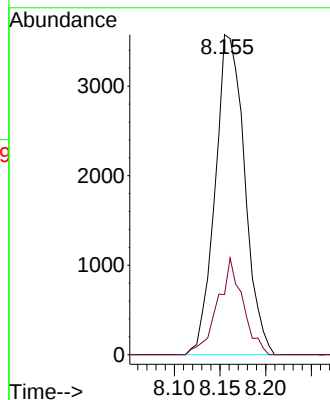
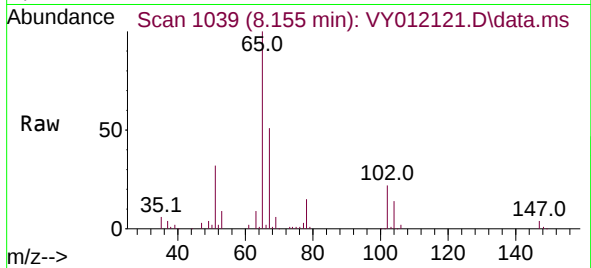




#40
Benzene
Concen: 1.335 ug/l
RT: 8.155 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

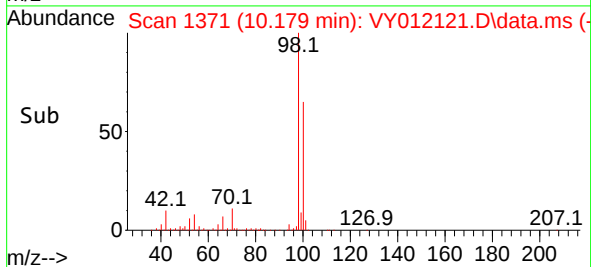
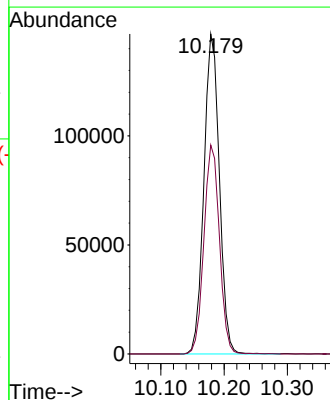
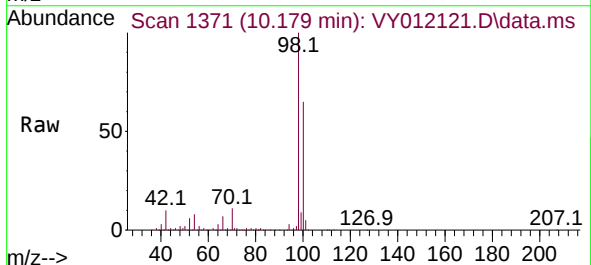
Instrument :
MSVOA_Y
ClientSampleId :
H-5-MIDDLE(4-8)

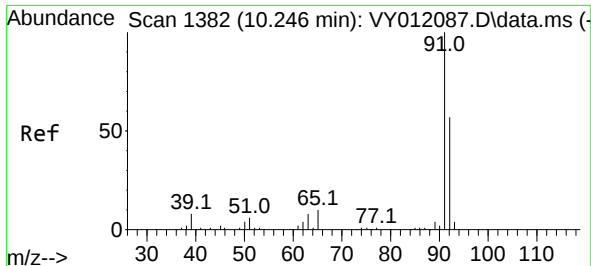
Tgt Ion: 78 Resp: 8028
Ion Ratio Lower Upper
78 100
77 18.8 18.6 27.8



#50
Toluene-d8
Concen: 46.517 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

Tgt Ion: 98 Resp: 249780
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9

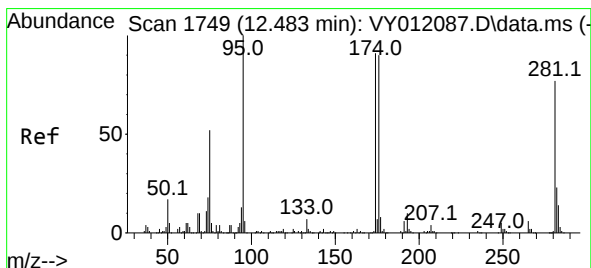
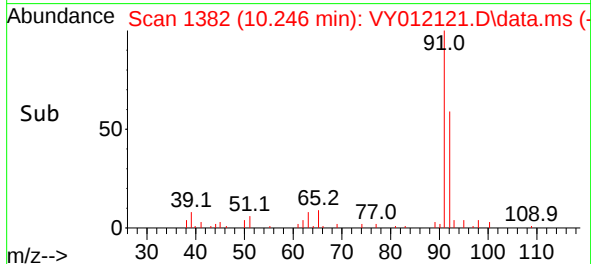
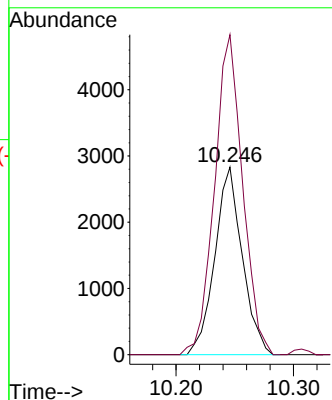
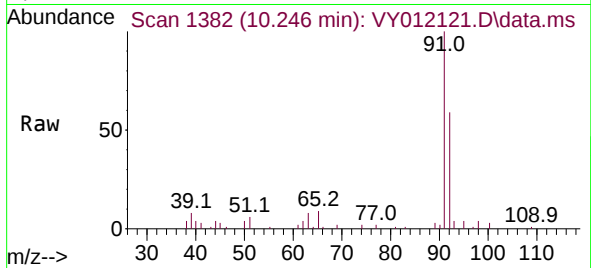




#52
Toluene
Concen: 1.156 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

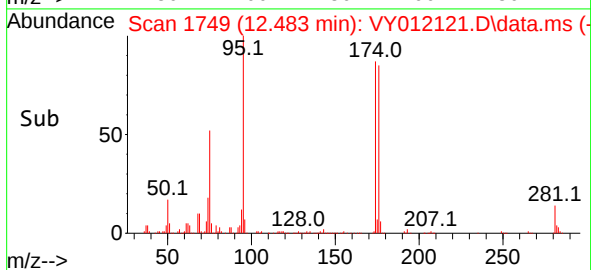
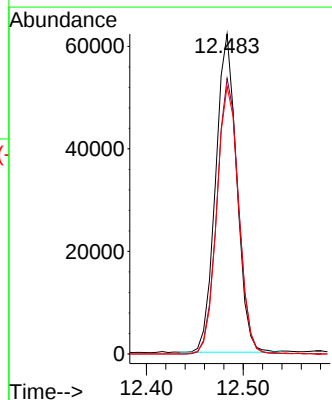
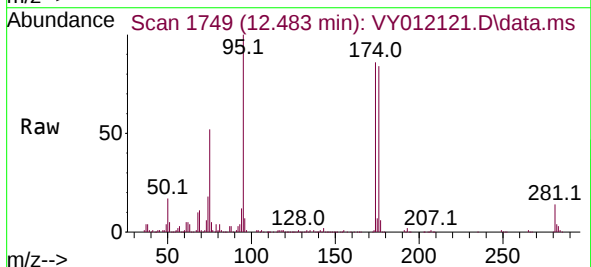
Instrument :
MSVOA_Y
ClientSampleId :
H-5-MIDDLE(4-8)

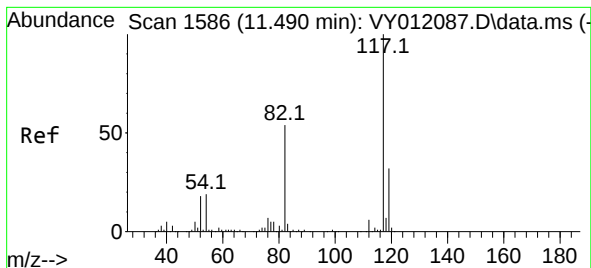
Tgt Ion: 92 Resp: 4602
Ion Ratio Lower Upper
92 100
91 174.5 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 50.013 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

Tgt Ion: 95 Resp: 93870
Ion Ratio Lower Upper
95 100
174 89.2 0.0 172.0
176 86.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012121.D

Acq: 09 Jan 2023 19:18

Instrument :

MSVOA_Y

ClientSampleId :

H-5-MIDDLE(4-8)

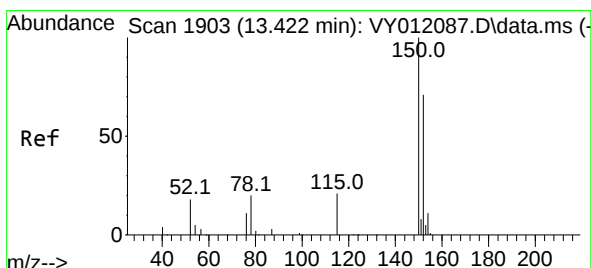
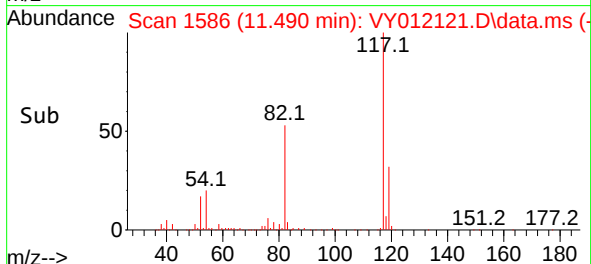
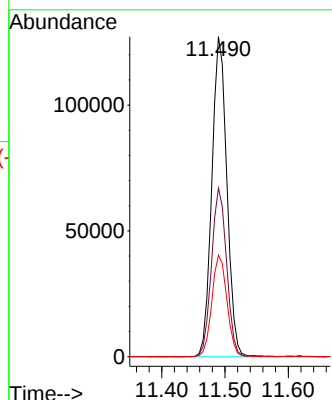
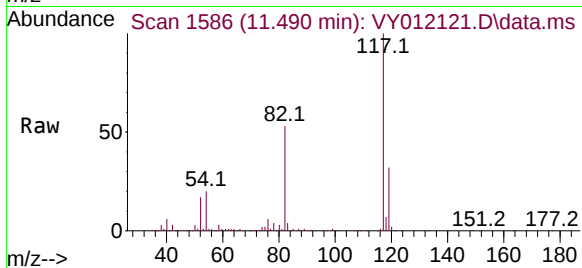
Tgt Ion:117 Resp: 210268

Ion Ratio Lower Upper

117 100

82 52.7 44.8 67.2

119 31.7 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012121.D

Acq: 09 Jan 2023 19:18

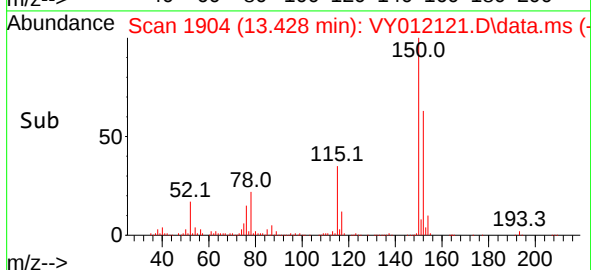
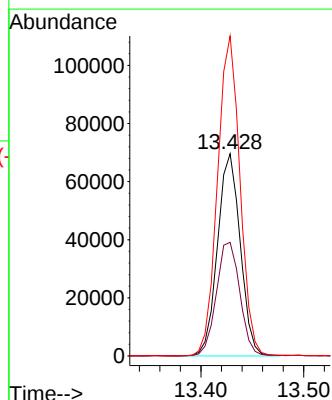
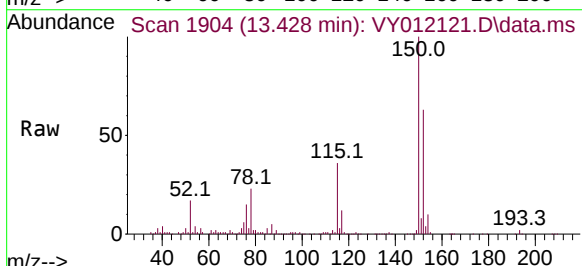
Tgt Ion:152 Resp: 106890

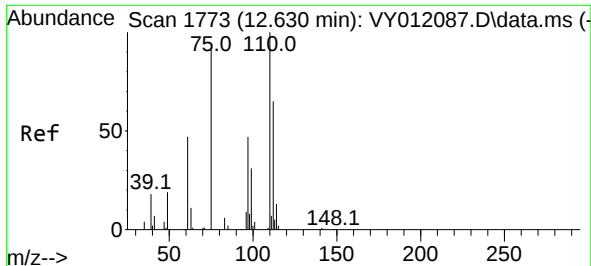
Ion Ratio Lower Upper

152 100

115 58.1 29.1 87.3

150 156.7 0.0 342.6

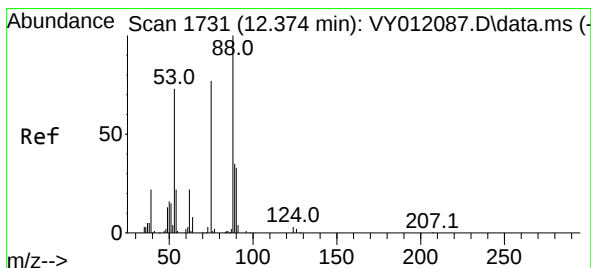
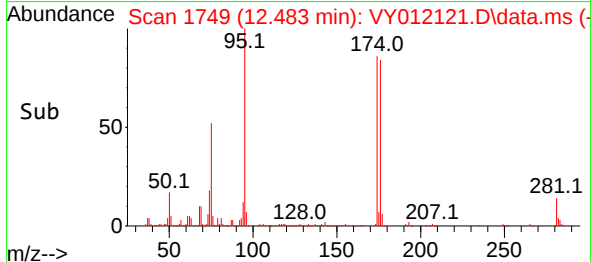
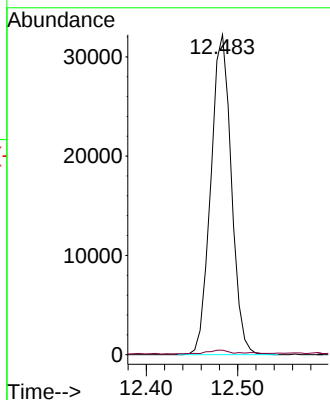
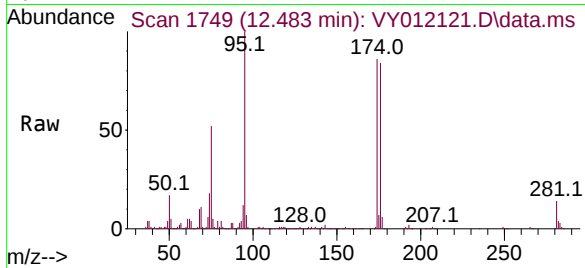




#76
1,2,3-Trichloropropane
Concen: 41.162 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

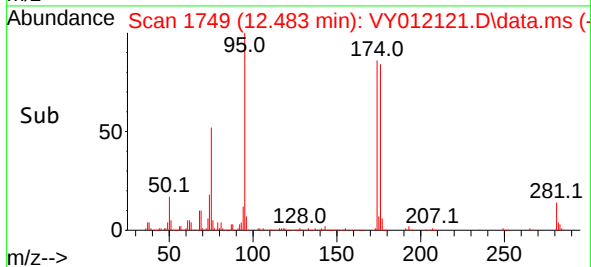
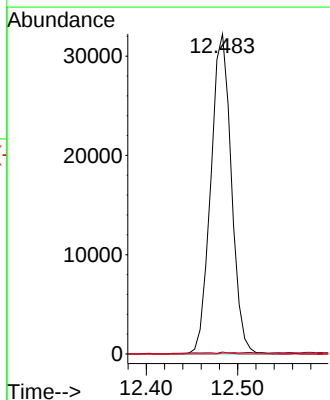
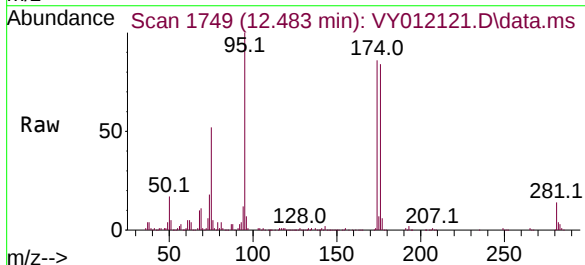
Instrument :
MSVOA_Y
ClientSampleId :
H-5-MIDDLE(4-8)

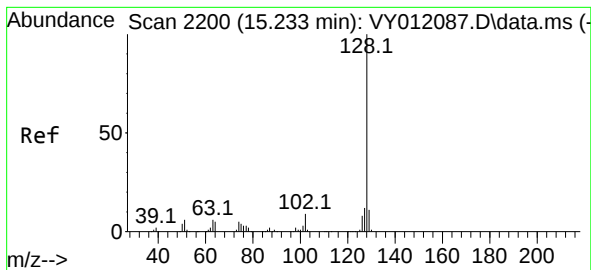
Tgt Ion: 75 Resp: 50237
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.414 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

Tgt Ion: 75 Resp: 50237
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.2 37.0 55.4#





#95
Naphthalene
Concen: 1.079 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY012121.D
Acq: 09 Jan 2023 19:18

Instrument :
MSVOA_Y
ClientSampleId :
H-5-MIDDLE(4-8)

Tgt Ion:	128	Resp:	4795
Ion	Ratio	Lower	Upper
128	100		
127	18.2	10.2	15.2#
129	11.9	8.8	13.2

