

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082522\
 Data File : VY010207.D
 Acq On : 25 Aug 2022 15:29
 Operator : KP/MD
 Sample : N4353-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1-2-COMP-1

Quant Time: Aug 26 06:47:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 06:12:05 2022
 Response via : Initial Calibration

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

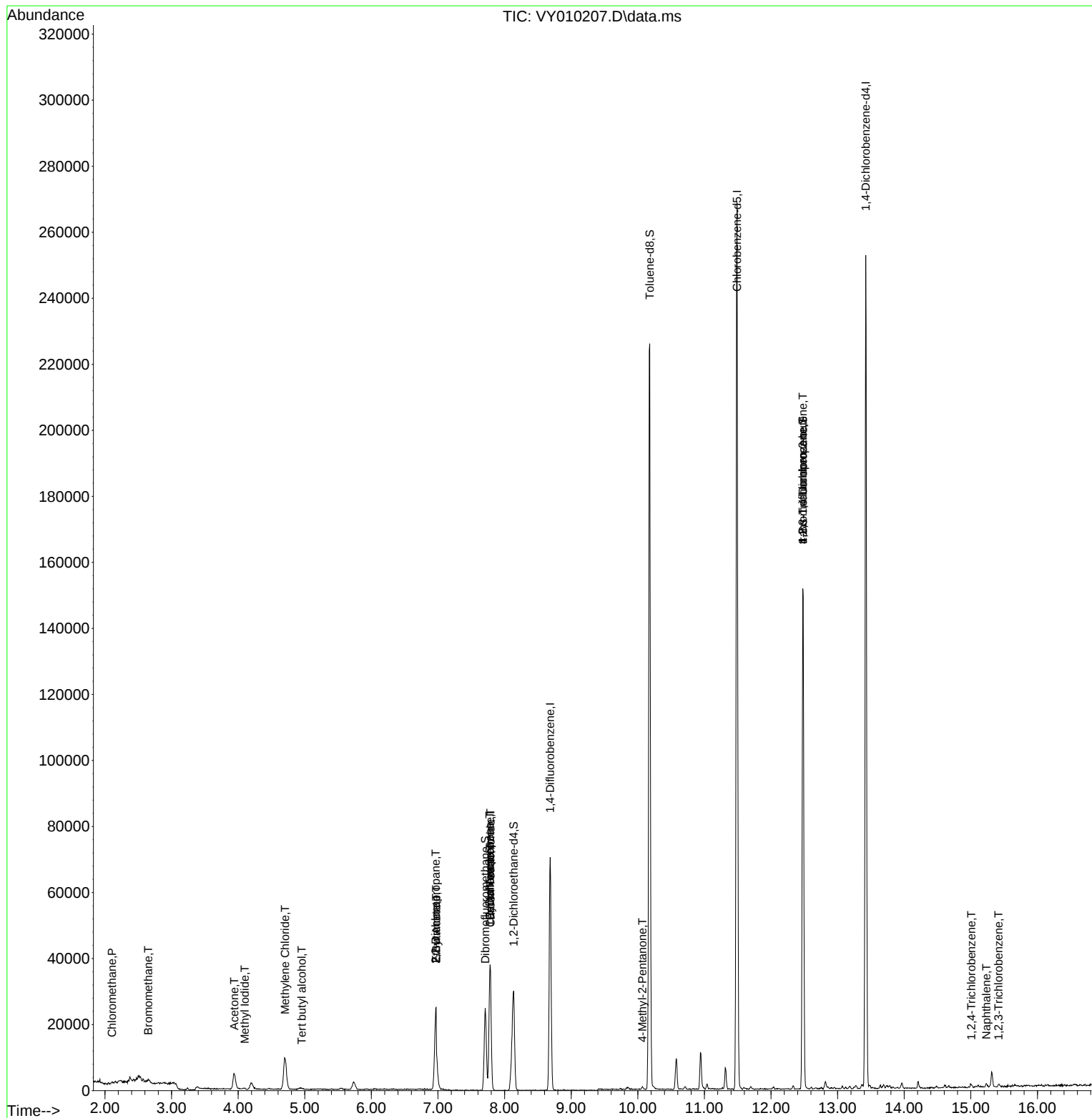
Internal Standards						
1) Pentafluorobenzene	7.783	168	29121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	59707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	149740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	64633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	19182	80.438	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 160.880%			
35) Dibromofluoromethane	7.710	113	16999	43.423	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 86.840%			
50) Toluene-d8	10.179	98	150425	110.726	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 221.460%#			
62) 4-Bromofluorobenzene	12.477	95	46073	88.524	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 177.040%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	236	Below Cal	#	43
3) Chloromethane	2.107	50	467	1.900	ug/l	99
5) Bromomethane	2.649	94	312	1.445	ug/l #	66
10) Methyl Iodide	4.100	142	581	1.743	ug/l #	67
11) Tert butyl alcohol	4.954	59	719	9.489	ug/l #	77
16) Acetone	3.942	43	8630	109.153	ug/l	99
18) Methyl Acetate	4.460	43	424	Below Cal	#	56
20) Methylene Chloride	4.704	84	6981	13.753	ug/l	89
25) 2-Butanone	6.972	43	2058	15.677	ug/l	95
26) 2,2-Dichloropropane	6.966	77	1464	2.617	ug/l #	55
31) Cyclohexane	7.783	56	757	1.525	ug/l #	6
36) 1,1-Dichloropropene	7.777	75	2450	4.255	ug/l #	49
37) Ethyl Acetate	6.972	43	2058	5.592	ug/l #	32
38) Carbon Tetrachloride	7.789	117	3075	5.042	ug/l #	17
51) 4-Methyl-2-Pentanone	10.069	43	648	1.847	ug/l	88
76) 1,2,3-Trichloropropane	12.477	75	22838	32.082	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	22838	68.216	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.007	180	402	4.885	ug/l	92
95) Naphthalene	15.233	128	1120	6.327	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.415	180	366	4.938	ug/l #	80

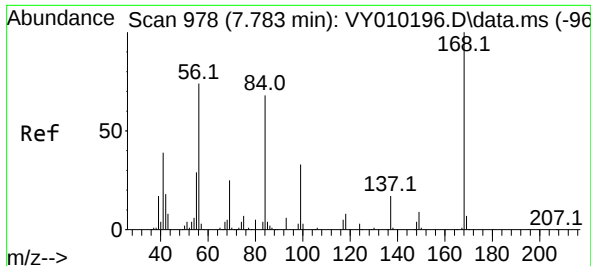
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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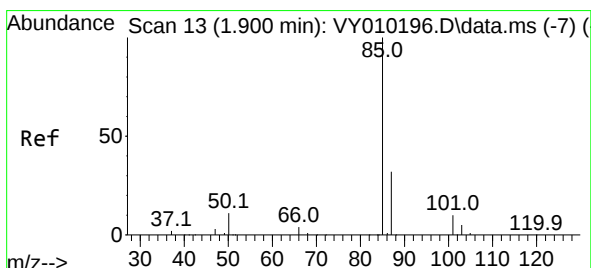
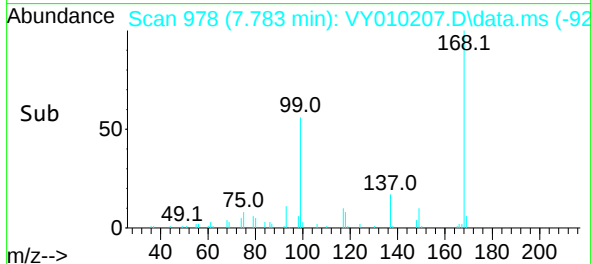
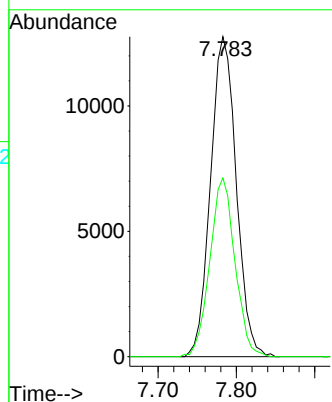
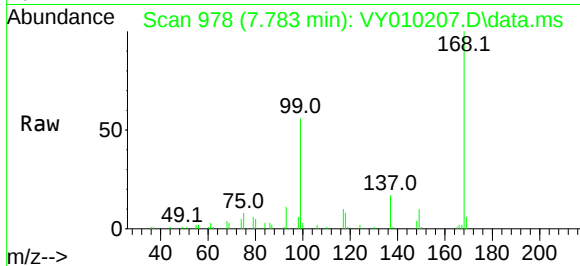




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

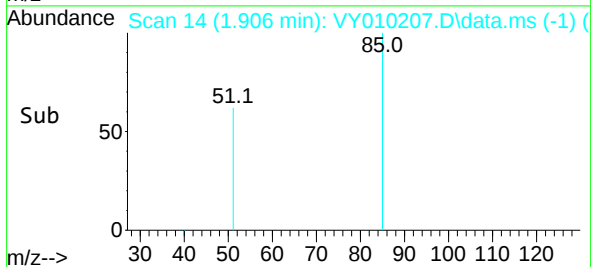
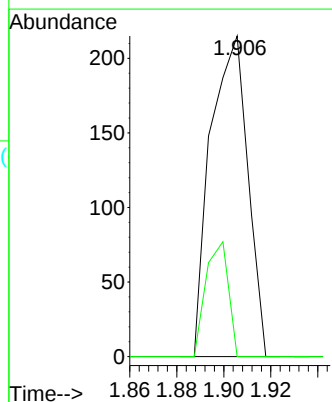
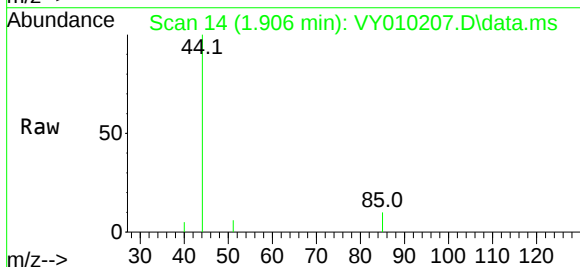
Instrument :
MSVOA_Y
ClientSampleId :
1-2-COMP-1

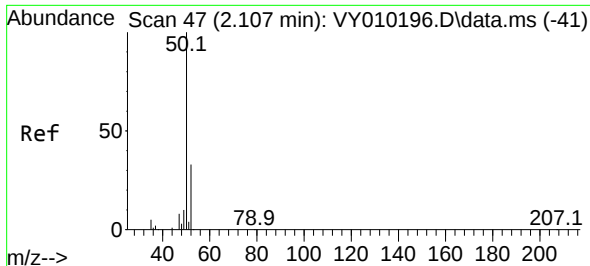
Tgt Ion:168 Resp: 29121
Ion Ratio Lower Upper
168 100
99 55.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

Tgt Ion: 85 Resp: 236
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

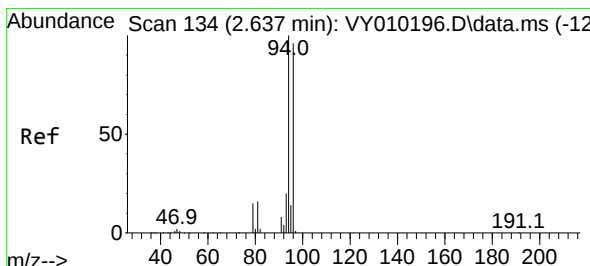
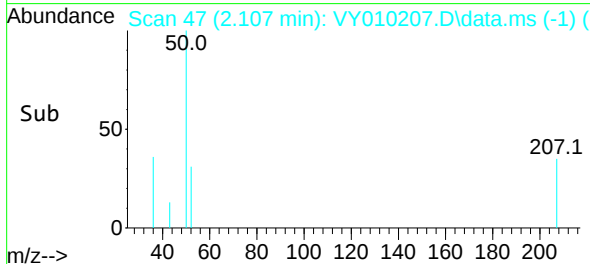
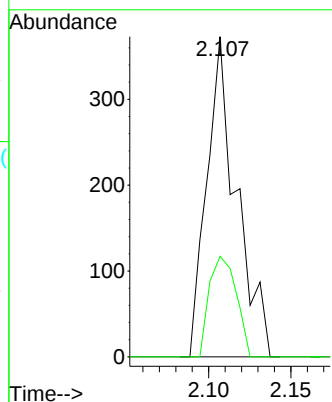
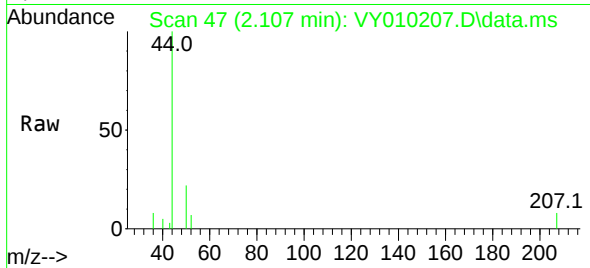




#3
Chloromethane
Concen: 1.900 ug/l
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

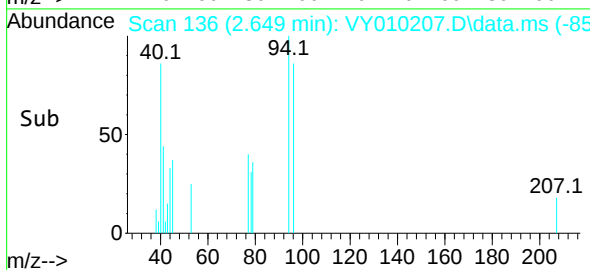
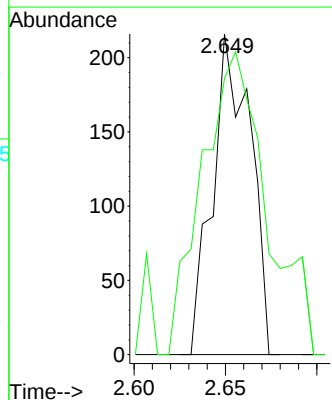
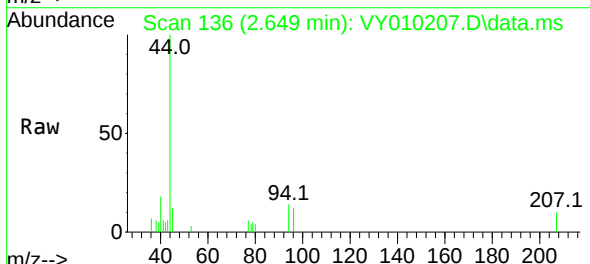
Instrument :
MSVOA_Y
ClientSampleId :
1-2-COMP-1

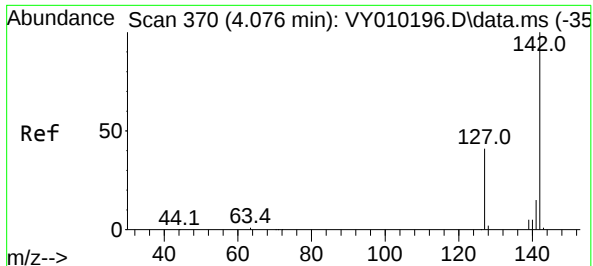
Tgt Ion: 50 Resp: 467
Ion Ratio Lower Upper
50 100
52 31.4 24.6 37.0



#5
Bromomethane
Concen: 1.445 ug/l
RT: 2.649 min Scan# 136
Delta R.T. 0.012 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

Tgt Ion: 94 Resp: 312
Ion Ratio Lower Upper
94 100
96 59.3 73.5 110.3#

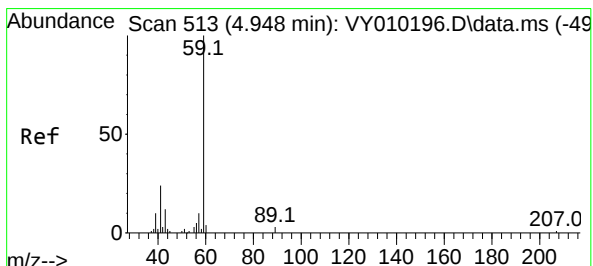
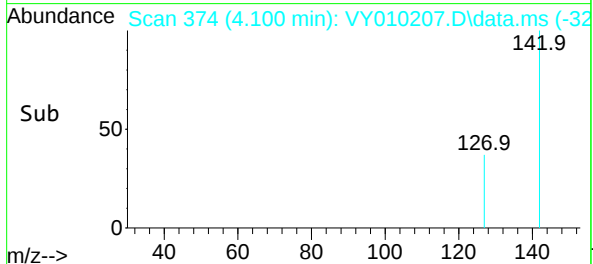
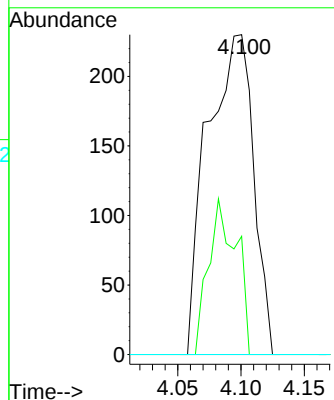
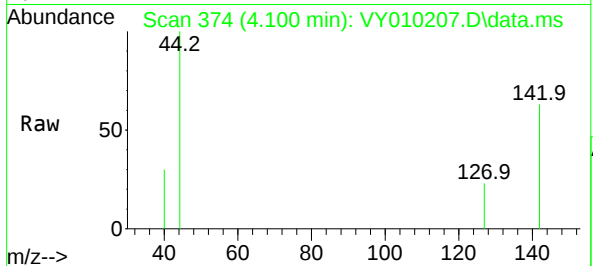




#10
Methyl Iodide
Concen: 1.743 ug/l
RT: 4.100 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

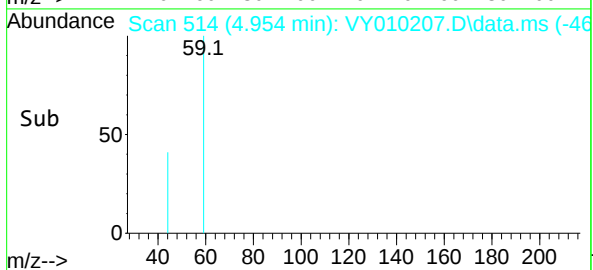
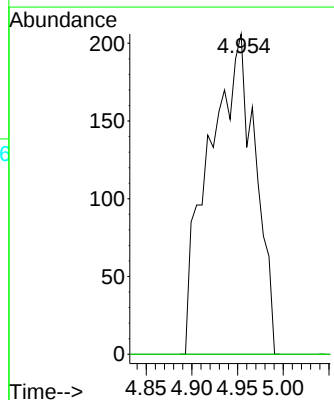
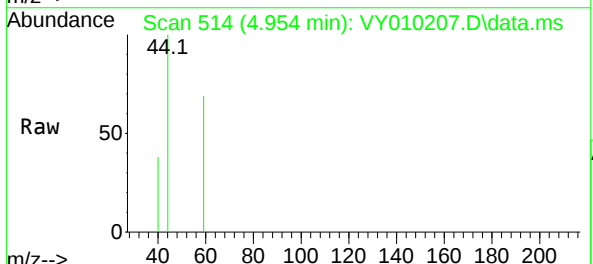
Instrument :
MSVOA_Y
ClientSampleId :
1-2-COMP-1

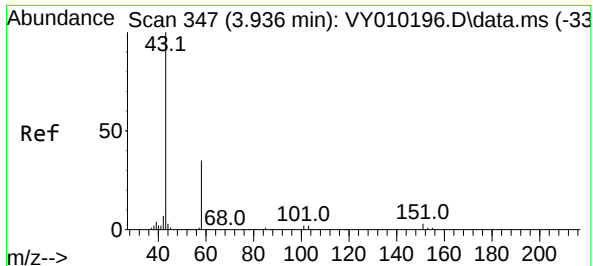
Tgt Ion:142 Resp: 581
Ion Ratio Lower Upper
142 100
127 29.8 41.5 62.3#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: 9.489 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

Tgt Ion: 59 Resp: 719
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 109.153 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY010207.D

Acq: 25 Aug 2022 15:29

Instrument :

MSVOA_Y

ClientSampleId :

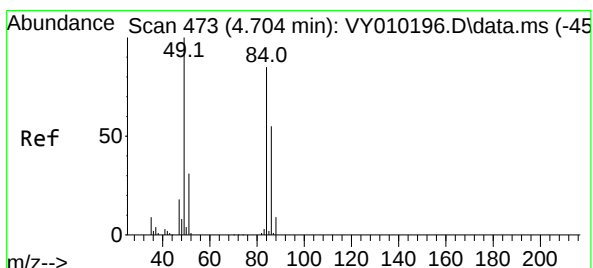
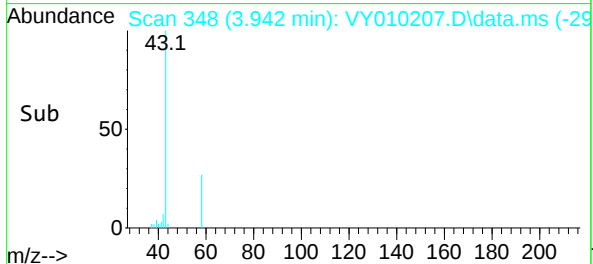
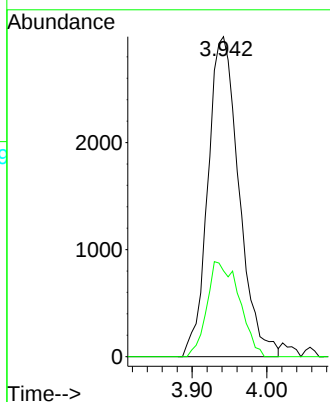
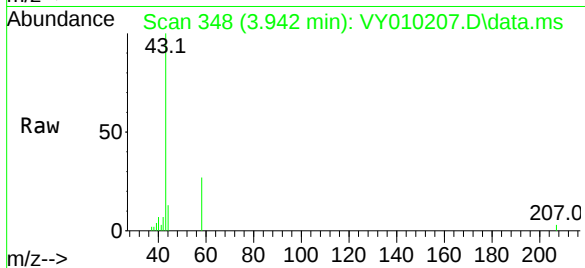
1-2-COMP-1

Tgt Ion: 43 Resp: 8630

Ion Ratio Lower Upper

43 100

58 26.8 22.0 33.0



#20

Methylene Chloride

Concen: 13.753 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.000 min

Lab File: VY010207.D

Acq: 25 Aug 2022 15:29

Tgt Ion: 84 Resp: 6981

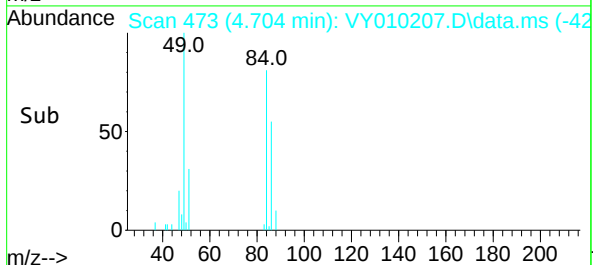
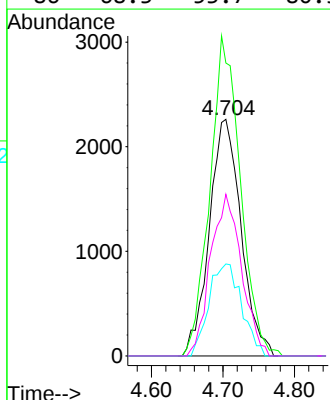
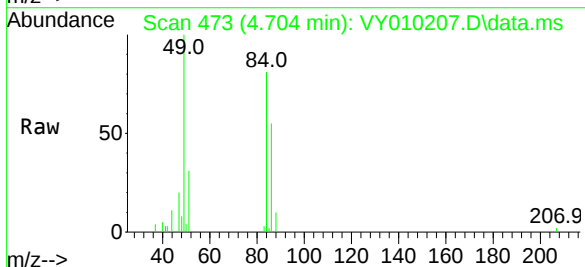
Ion Ratio Lower Upper

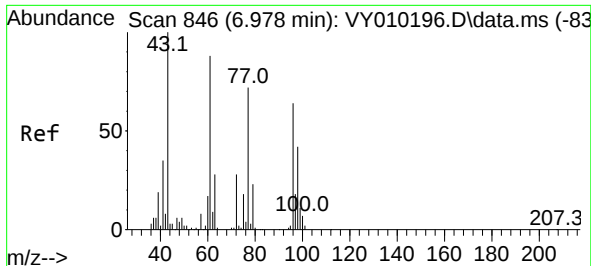
84 100

49 123.8 114.4 171.6

51 38.9 35.3 52.9

86 68.3 53.7 80.5





#25

2-Butanone

Concen: 15.677 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010207.D

Acq: 25 Aug 2022 15:29

Instrument :

MSVOA_Y

ClientSampleId :

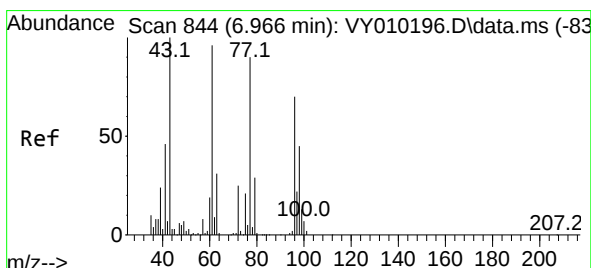
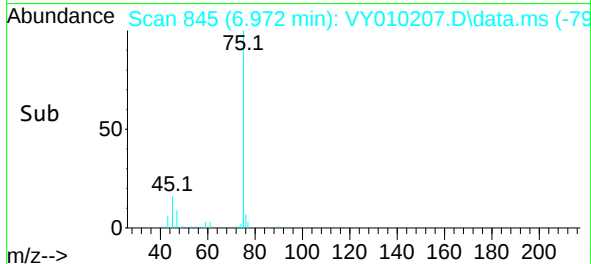
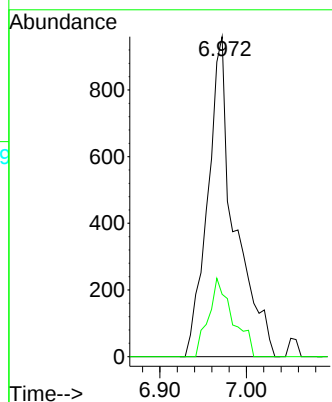
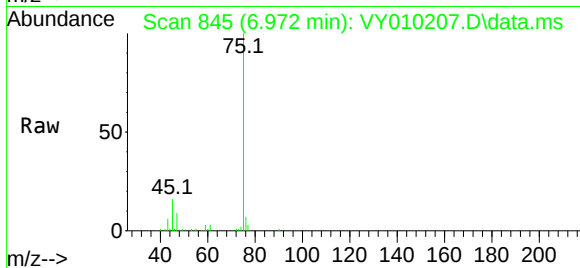
1-2-COMP-1

Tgt Ion: 43 Resp: 2058

Ion Ratio Lower Upper

43 100

72 19.5 17.7 26.5



#26

2,2-Dichloropropane

Concen: 2.617 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.000 min

Lab File: VY010207.D

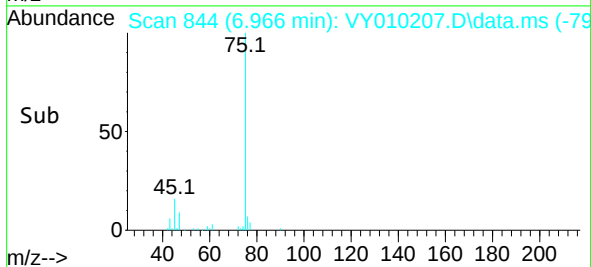
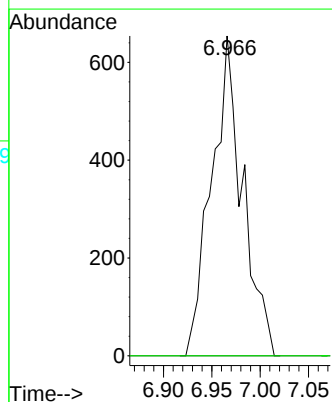
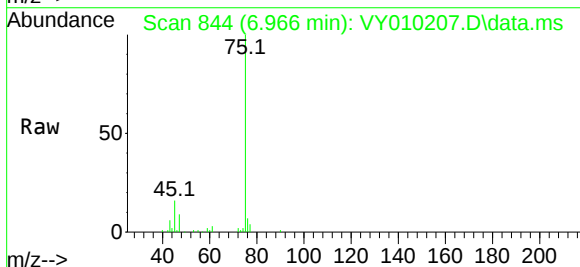
Acq: 25 Aug 2022 15:29

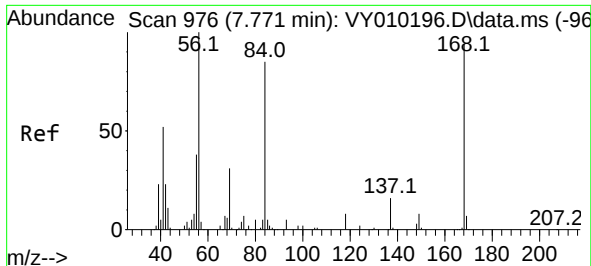
Tgt Ion: 77 Resp: 1464

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

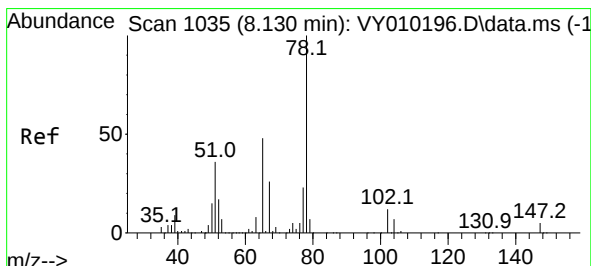
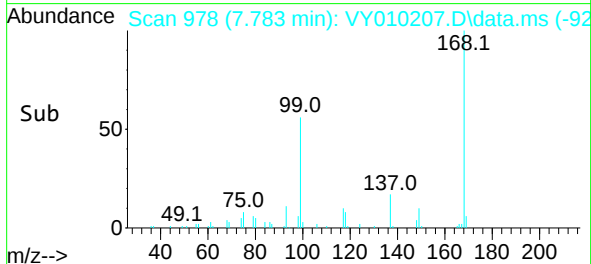
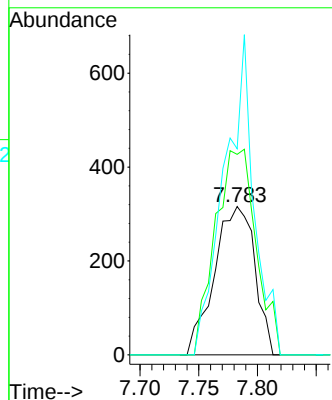
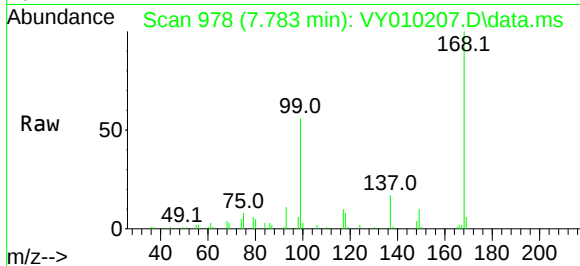




#31
Cyclohexane
Concen: 1.525 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

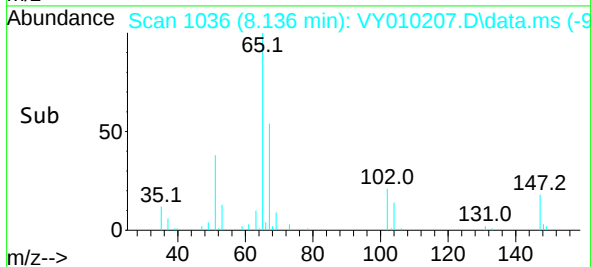
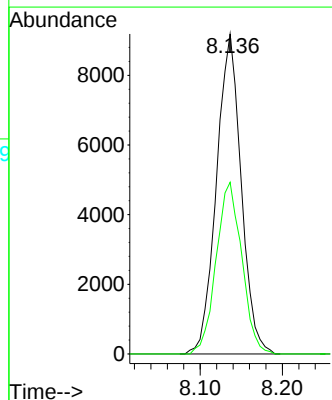
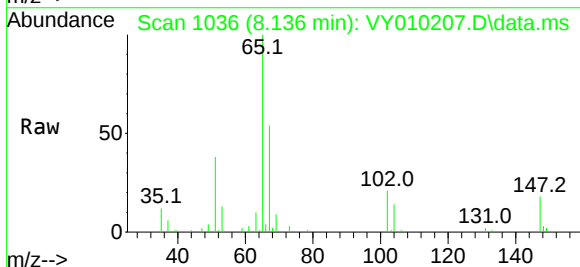
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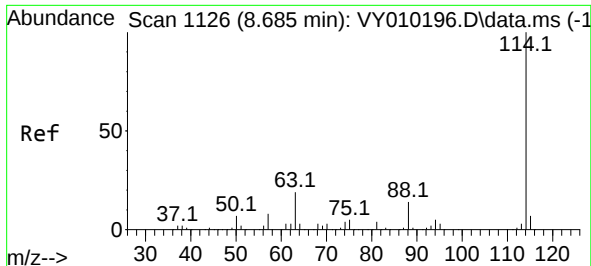
Tgt Ion: 56 Resp: 757
Ion Ratio Lower Upper
56 100
69 135.1 26.7 40.1#
84 138.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 80.438 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

Tgt Ion: 65 Resp: 19182
Ion Ratio Lower Upper
65 100
67 55.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY010207.D

Acq: 25 Aug 2022 15:29

Instrument :

MSVOA_Y

ClientSampleId :

1-2-COMP-1

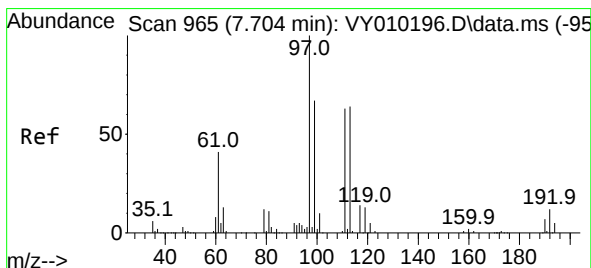
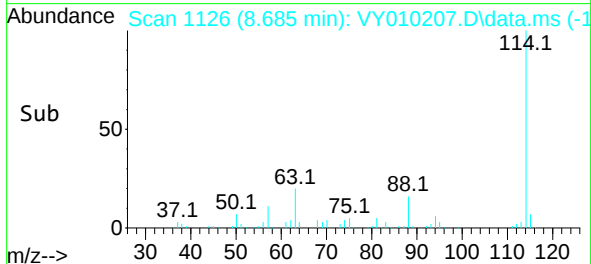
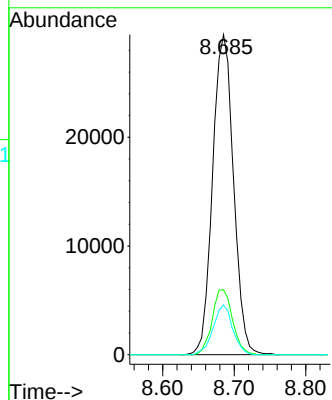
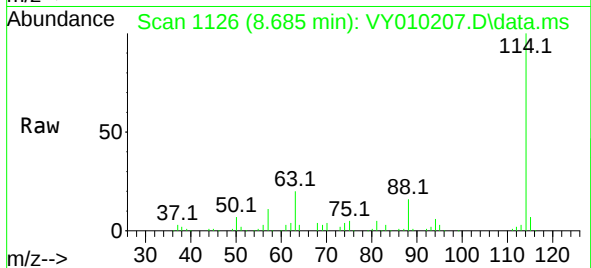
Tgt Ion:114 Resp: 59707

Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 43.423 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.006 min

Lab File: VY010207.D

Acq: 25 Aug 2022 15:29

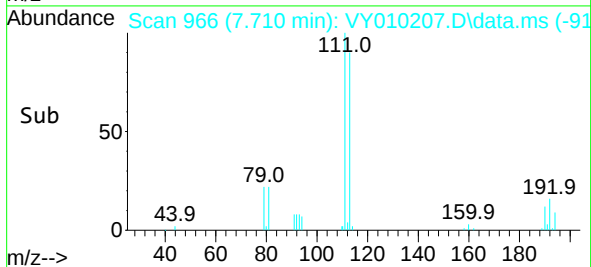
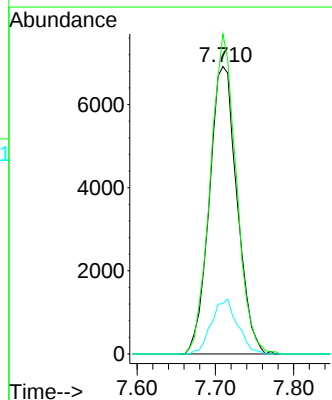
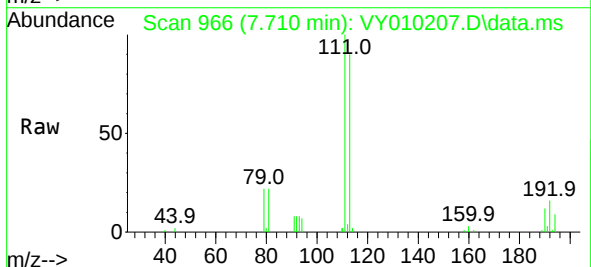
Tgt Ion:113 Resp: 16999

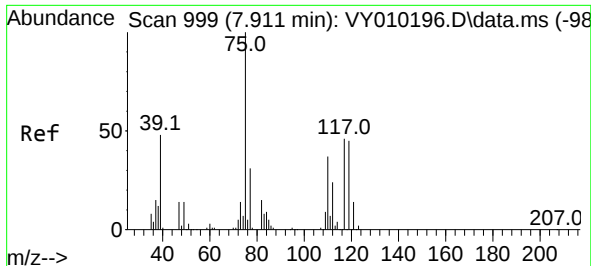
Ion Ratio Lower Upper

113 100

111 104.9 82.6 124.0

192 17.9 17.6 26.4

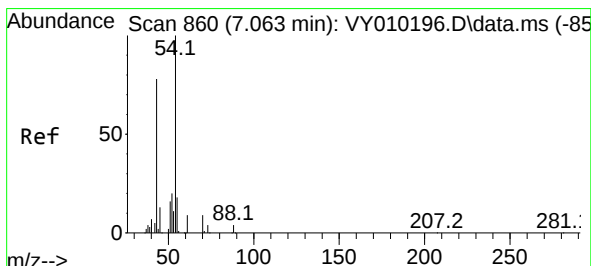
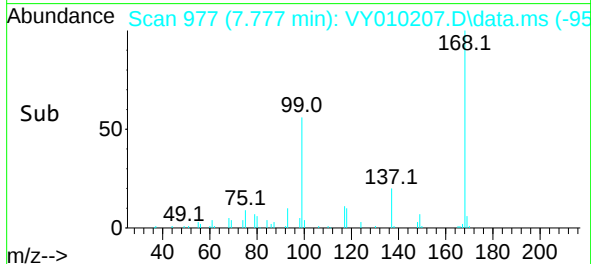
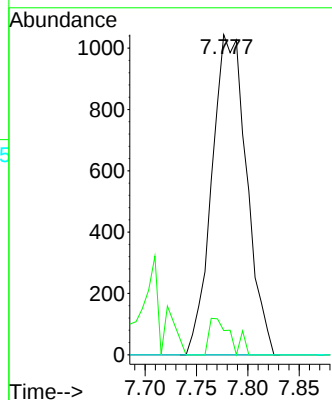
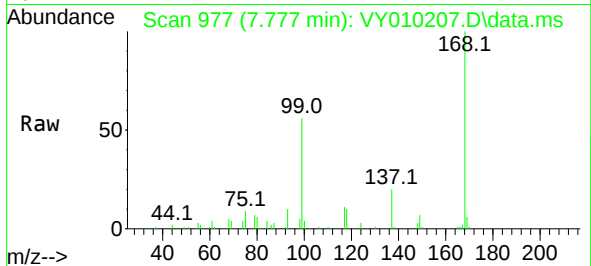




#36
1,1-Dichloropropene
Concen: 4.255 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

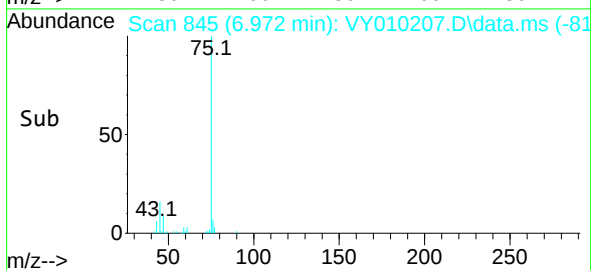
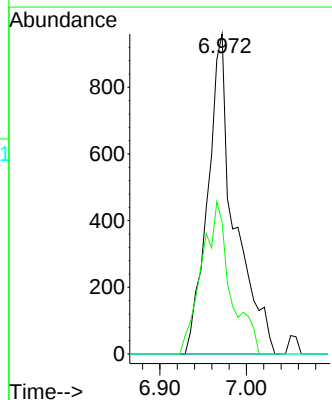
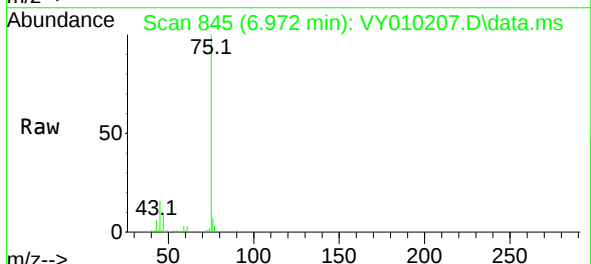
Instrument :
MSVOA_Y
ClientSampleId :
1-2-COMP-1

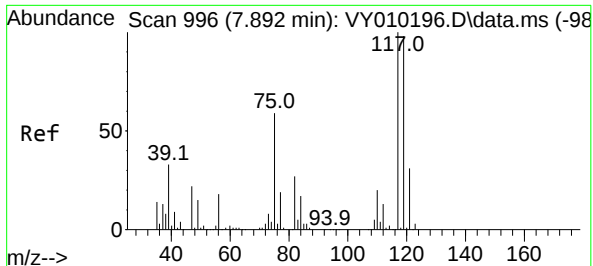
Tgt Ion: 75 Resp: 2450
Ion Ratio Lower Upper
75 100
110 7.1 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 5.592 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.091 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

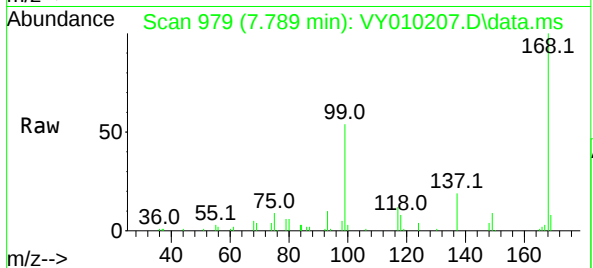
Tgt Ion: 43 Resp: 2058
Ion Ratio Lower Upper
43 100
61 51.3 9.7 14.5#
70 0.0 7.1 10.7#



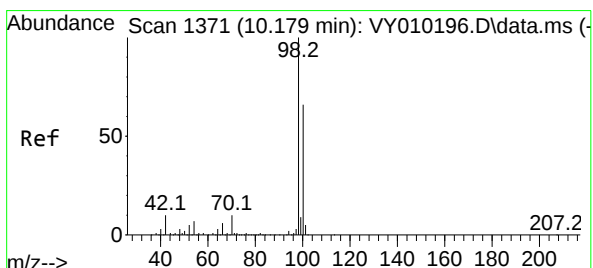
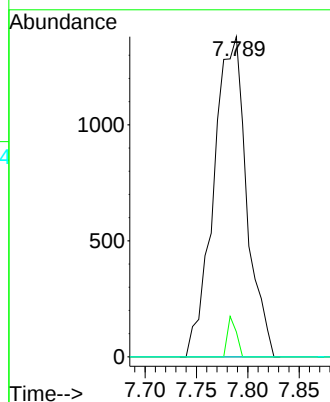
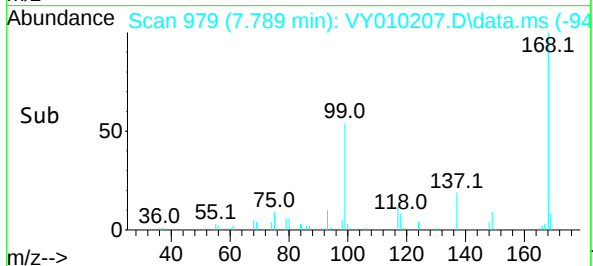


#38
Carbon Tetrachloride
Concen: 5.042 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

Instrument :
MSVOA_Y
ClientSampleId :
1-2-COMP-1

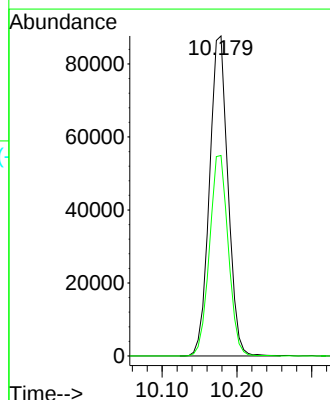
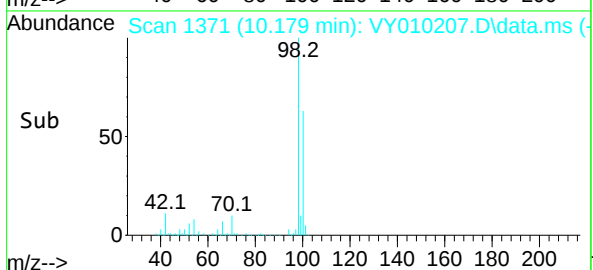
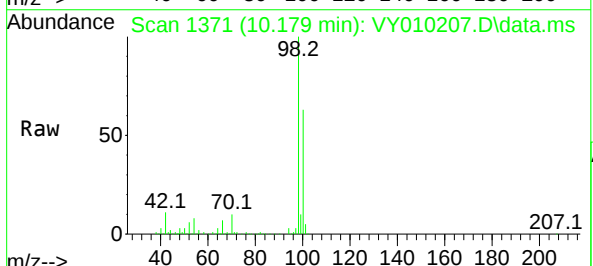


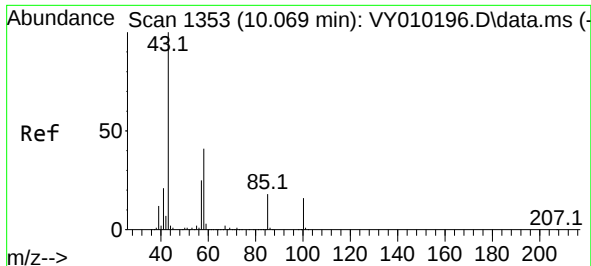
Tgt Ion:117 Resp: 3075
Ion Ratio Lower Upper
117 100
119 7.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 110.726 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

Tgt Ion: 98 Resp: 150425
Ion Ratio Lower Upper
98 100
100 63.7 50.2 75.2

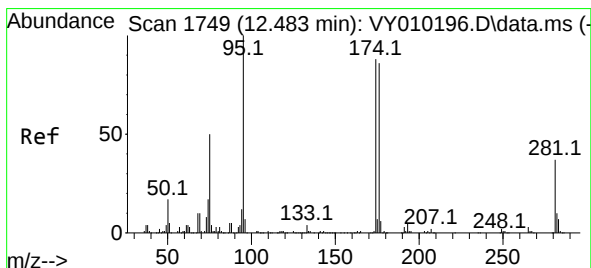
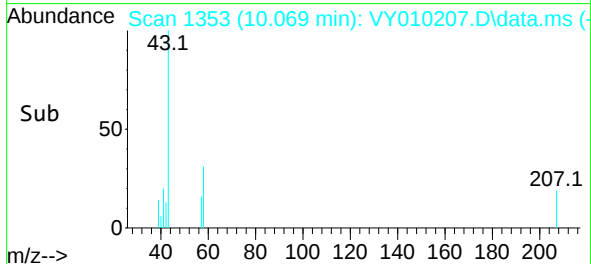
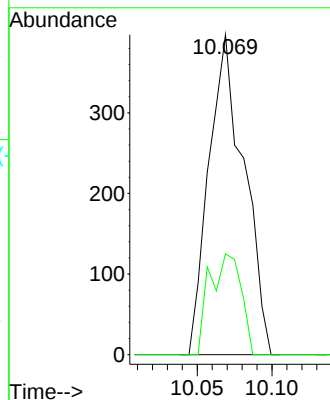
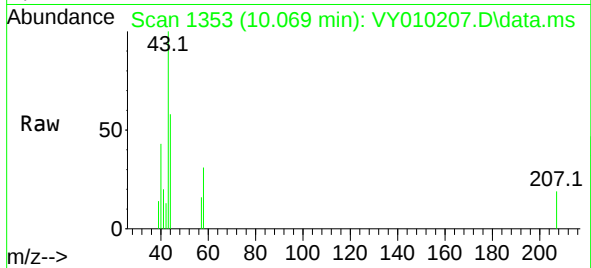




#51
4-Methyl-2-Pentanone
Concen: 1.847 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

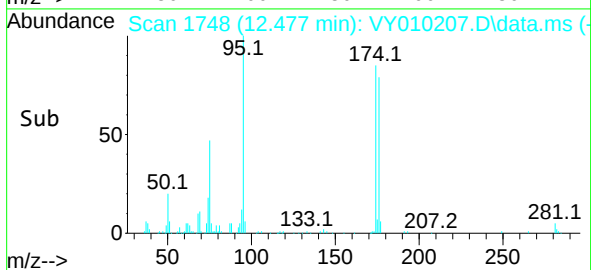
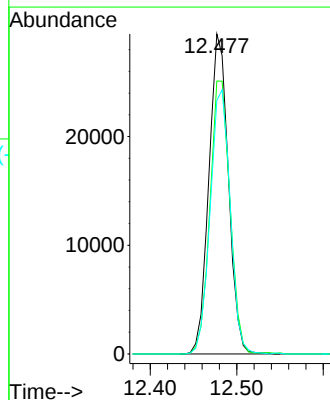
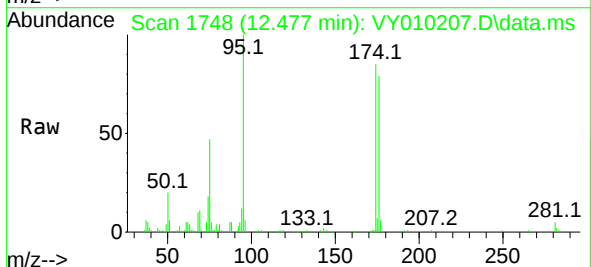
Instrument :
MSVOA_Y
ClientSampleId :
1-2-COMP-1

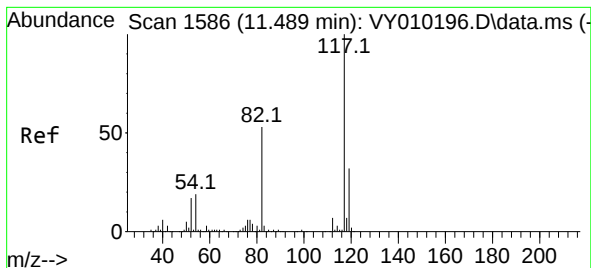
Tgt Ion: 43 Resp: 648
Ion Ratio Lower Upper
43 100
58 28.2 28.1 42.1



#62
4-Bromofluorobenzene
Concen: 88.524 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

Tgt Ion: 95 Resp: 46073
Ion Ratio Lower Upper
95 100
174 87.9 0.0 177.0
176 84.6 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010207.D

Acq: 25 Aug 2022 15:29

Instrument :

MSVOA_Y

ClientSampleId :

1-2-COMP-1

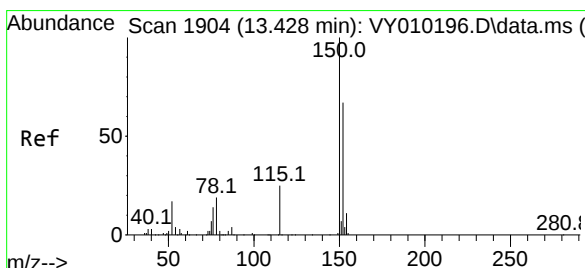
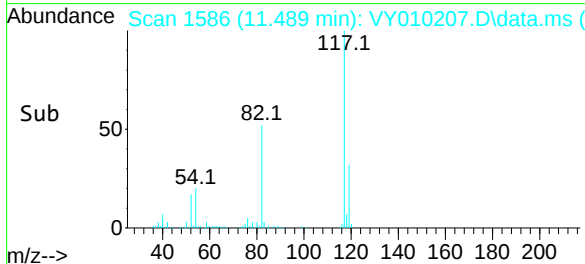
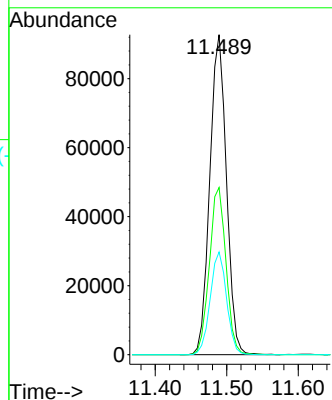
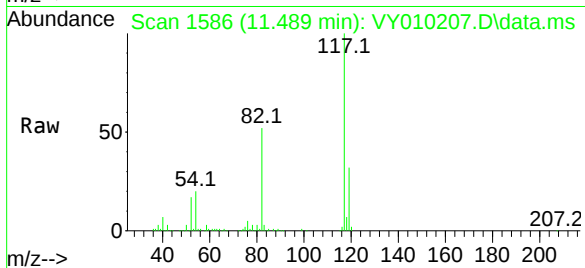
Tgt Ion:117 Resp: 149740

Ion Ratio Lower Upper

117 100

82 52.3 43.0 64.4

119 32.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY010207.D

Acq: 25 Aug 2022 15:29

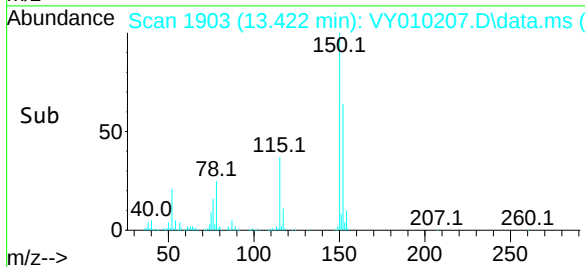
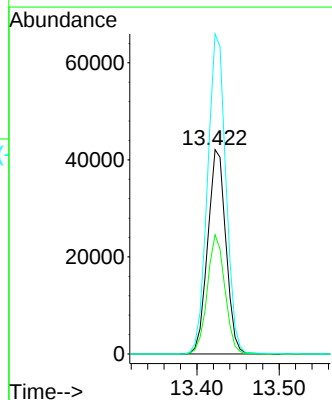
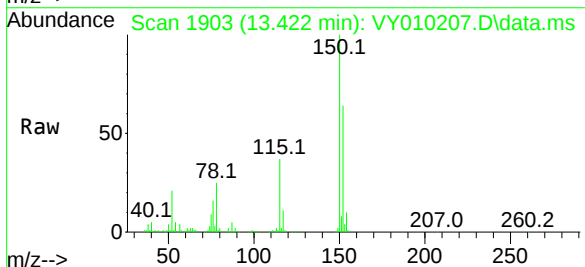
Tgt Ion:152 Resp: 64633

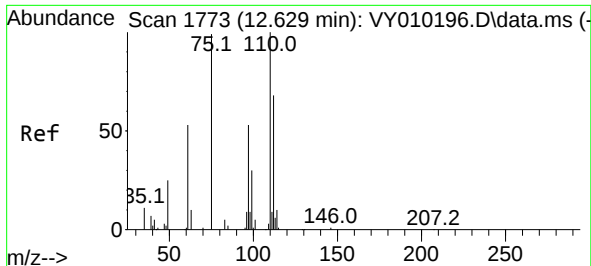
Ion Ratio Lower Upper

152 100

115 56.3 28.2 84.7

150 158.1 0.0 347.6

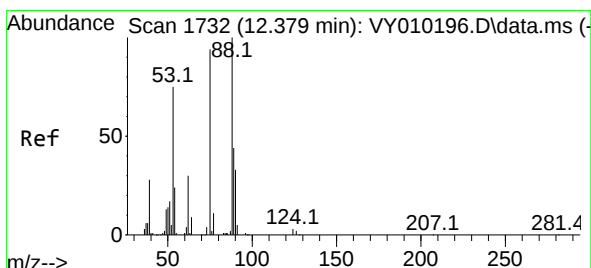
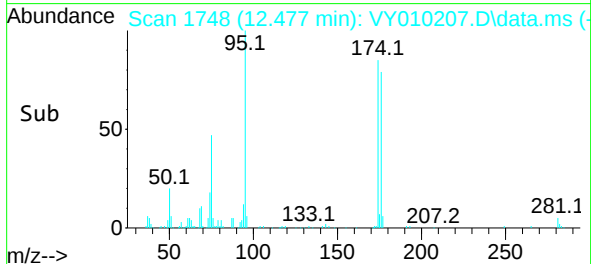
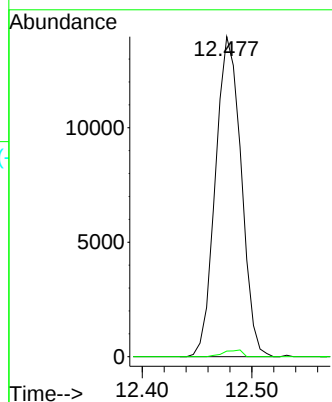
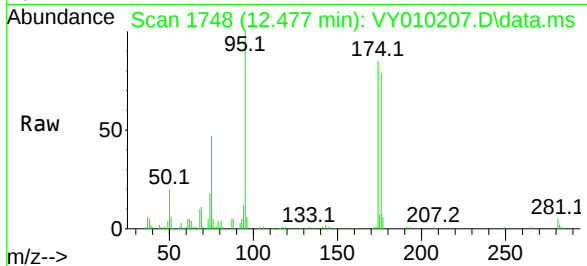




#76
1,2,3-Trichloropropane
Concen: 32.082 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

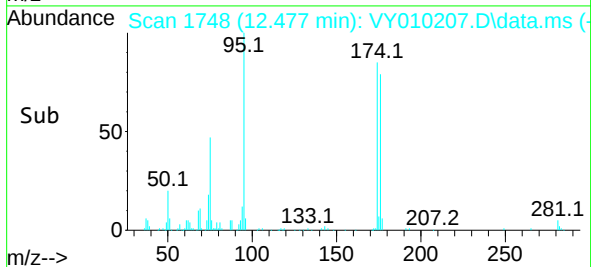
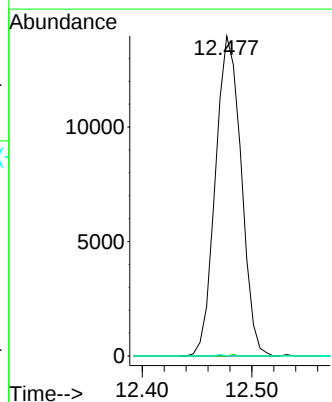
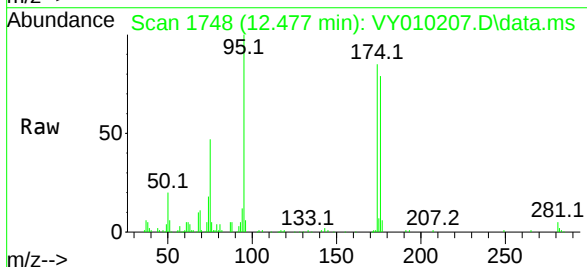
Instrument :
MSVOA_Y
ClientSampleId :
1-2-COMP-1

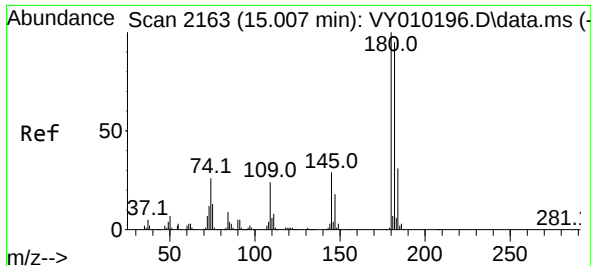
Tgt Ion: 75 Resp: 22838
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.216 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

Tgt Ion: 75 Resp: 22838
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

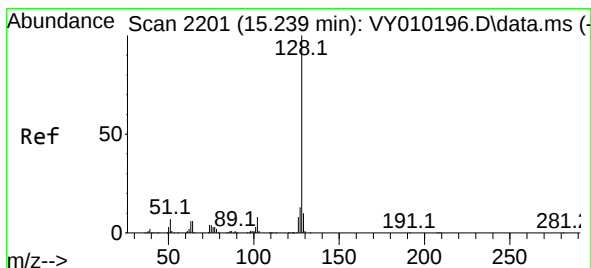
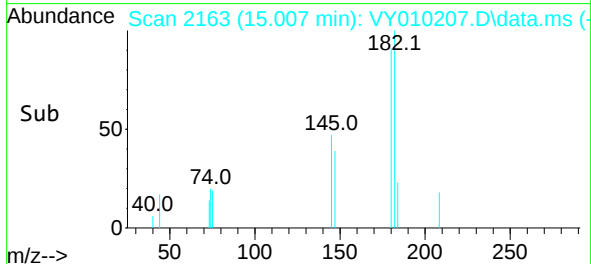
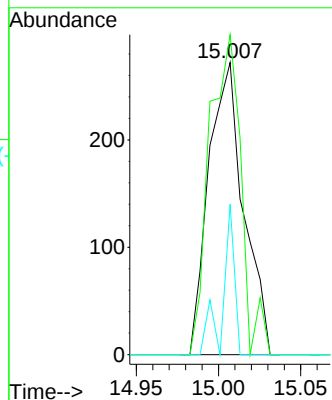
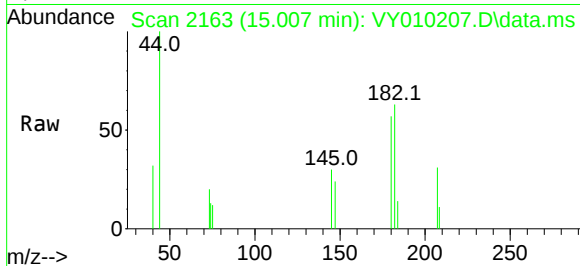




#93
1,2,4-Trichlorobenzene
Concen: 4.885 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

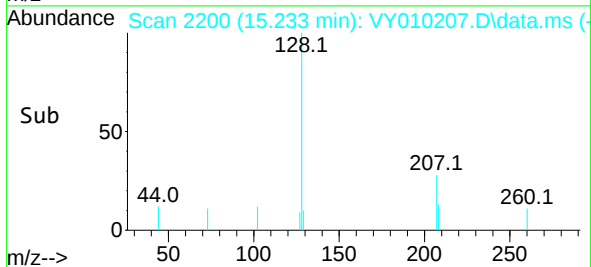
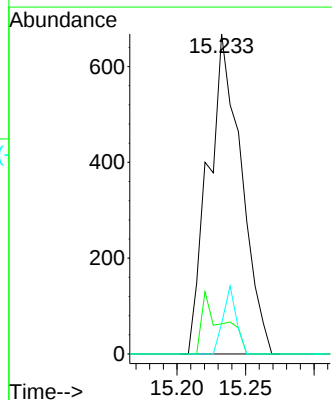
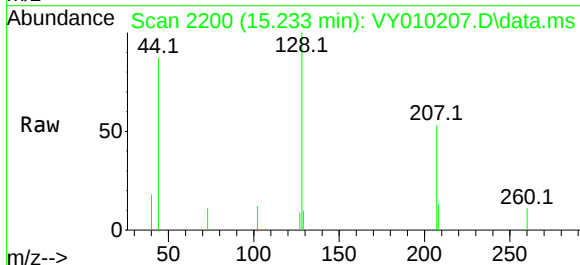
Instrument :
MSVOA_Y
ClientSampleId :
1-2-COMP-1

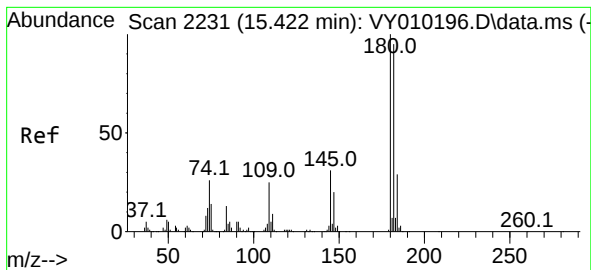
Tgt Ion:180	Resp:	402
Ion Ratio	Lower	Upper
180	100	
182	98.8	47.3 141.9
145	17.4	14.6 43.8



#95
Naphthalene
Concen: 6.327 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY010207.D
Acq: 25 Aug 2022 15:29

Tgt Ion:128	Resp:	1120
Ion Ratio	Lower	Upper
128	100	
127	12.2	11.0 16.4
129	8.4	8.4 12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 4.938 ug/l
 RT: 15.415 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: VY010207.D
 Acq: 25 Aug 2022 15:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 1-2-COMP-1

Tgt Ion:180 Resp: 366
 Ion Ratio Lower Upper
 180 100
 182 103.0 47.3 141.9
 145 0.0 15.3 45.9#

