

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110222\
 Data File : VY011256.D
 Acq On : 02 Nov 2022 12:48
 Operator : KP/MD
 Sample : N5337-05
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-14.5-15.0

Quant Time: Nov 03 05:14:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

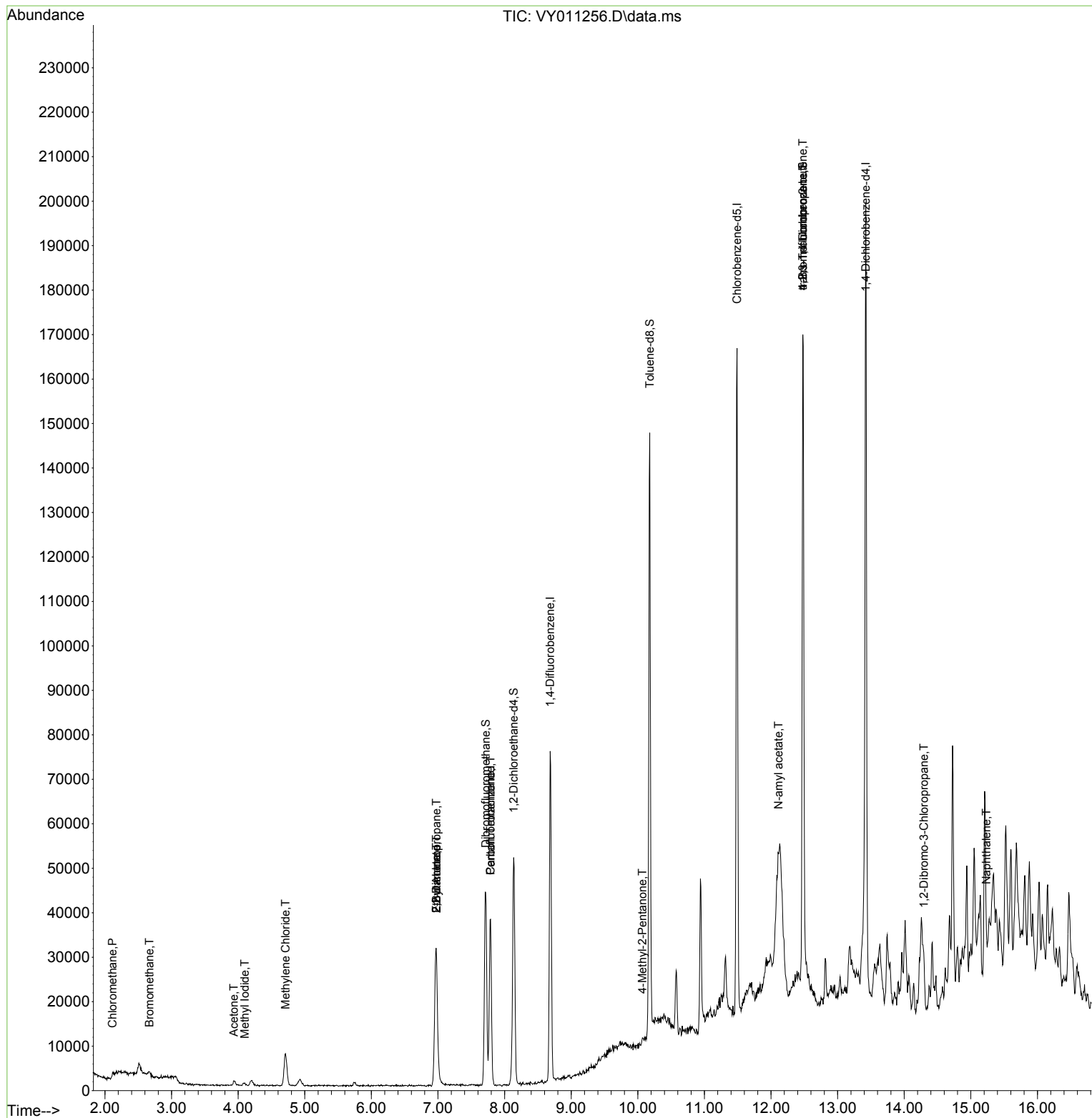
Internal Standards						
1) Pentafluorobenzene	7.789	168	30018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	65729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	85509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	43978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	39171	122.011	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 244.020%#	
35) Dibromofluoromethane	7.715	113	32530	77.029	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 154.060%#	
50) Toluene-d8	10.178	98	91584	55.856	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.720%	
62) 4-Bromofluorobenzene	12.477	95	47185	82.894	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 165.780%#	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	377	1.133	ug/l	96
5) Bromomethane	2.668	94	438	1.766	ug/l #	81
10) Methyl Iodide	4.100	142	873	2.054	ug/l #	77
11) Tert butyl alcohol	4.935	59	1789	Below Cal	#	77
16) Acetone	3.936	43	1744	17.996	ug/l #	75
20) Methylene Chloride	4.710	84	6047	11.373	ug/l #	84
25) 2-Butanone	6.978	43	1737	12.739	ug/l	92
26) 2,2-Dichloropropane	6.978	77	2471	4.208	ug/l #	55
37) Ethyl Acetate	6.978	43	1737	4.672	ug/l #	1
38) Carbon Tetrachloride	7.789	117	3011	4.208	ug/l #	18
51) 4-Methyl-2-Pentanone	10.069	43	649	1.822	ug/l	97
74) N-amyl acetate	12.111	43	1414	1.713	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	21504	40.165	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	21504	85.958	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.294	75	133	1.141	ug/l #	6
95) Naphthalene	15.232	128	2878	5.322	ug/l #	75

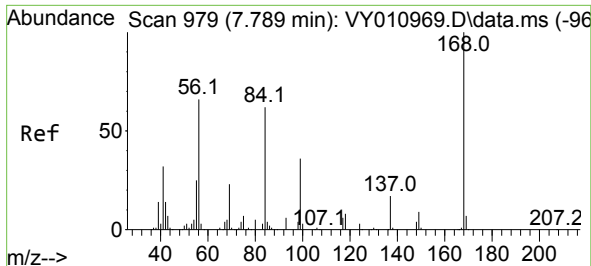
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-03-14.5-15.0

Quant Time: Nov 03 05:14:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
Quant Title : SW846 8260
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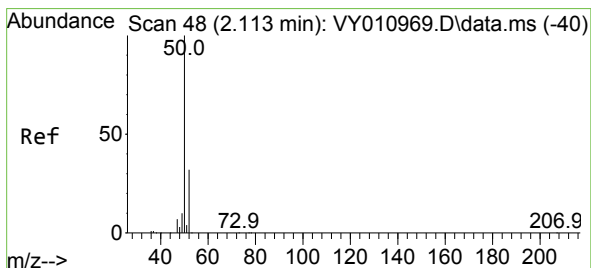
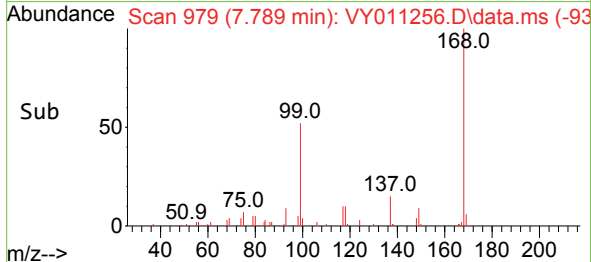
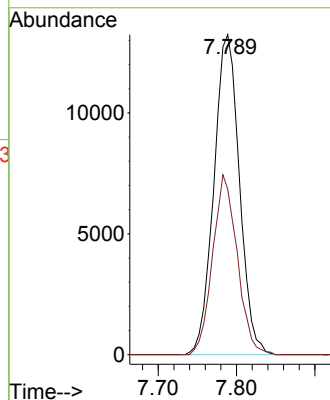
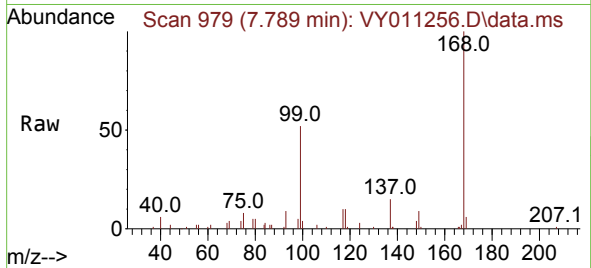




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011256.D
Acq: 02 Nov 2022 12:48

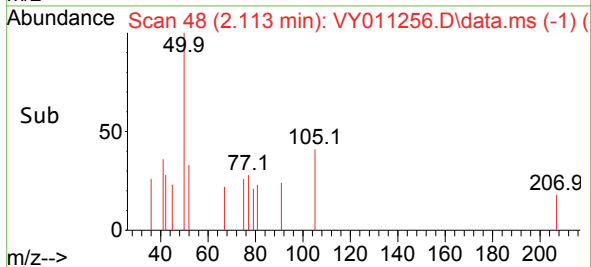
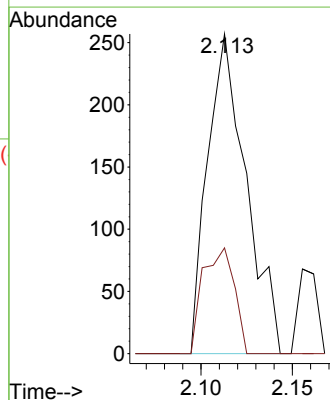
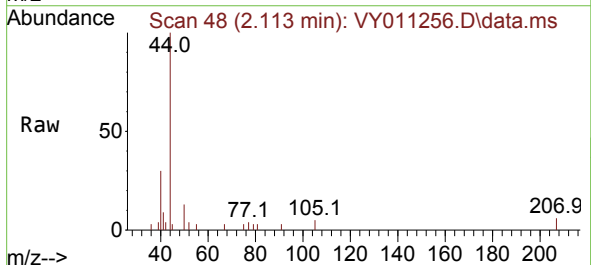
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-14.5-15.0

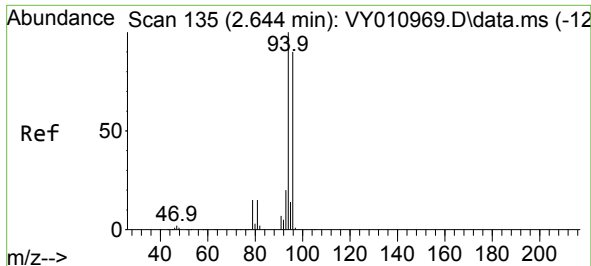
Tgt Ion:168 Resp: 30018
Ion Ratio Lower Upper
168 100
99 51.7 46.9 70.3



#3
Chloromethane
Concen: 1.133 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY011256.D
Acq: 02 Nov 2022 12:48

Tgt Ion: 50 Resp: 377
Ion Ratio Lower Upper
50 100
52 33.1 24.6 37.0

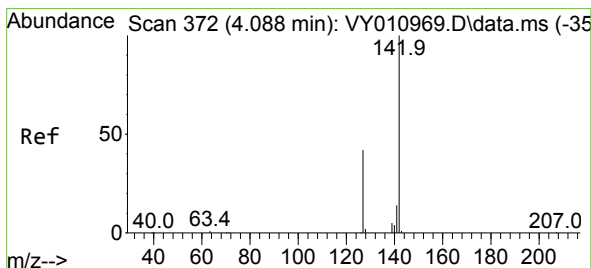
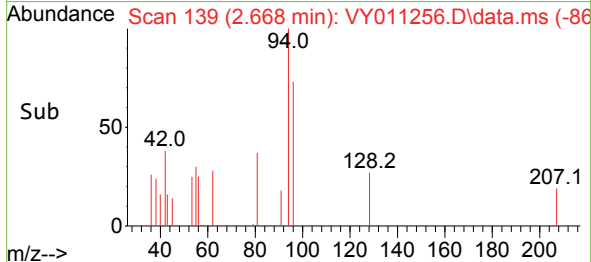
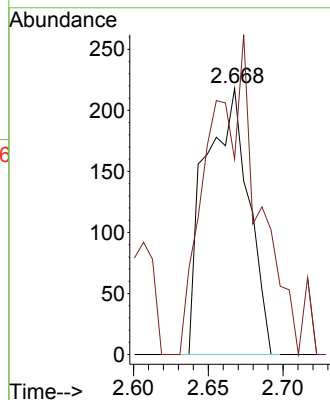
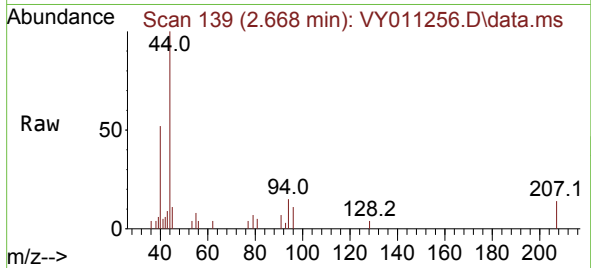




#5
Bromomethane
Concen: 1.766 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY011256.D
Acq: 02 Nov 2022 12:48

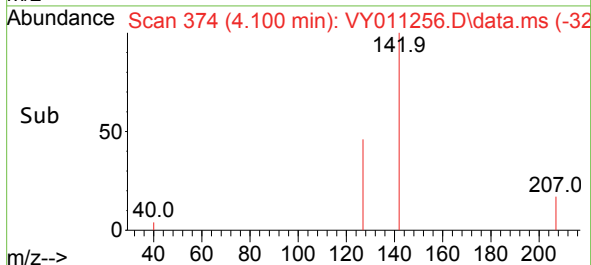
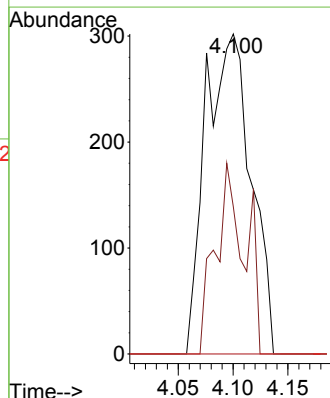
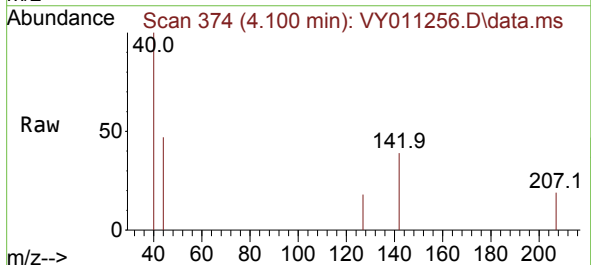
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-14.5-15.0

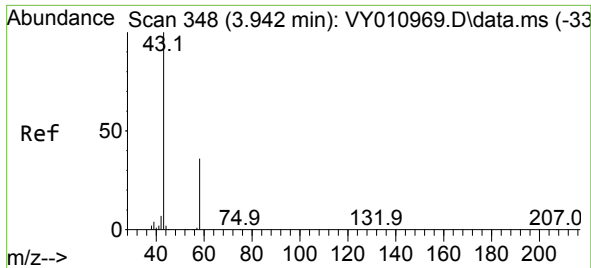
Tgt Ion: 94 Resp: 438
Ion Ratio Lower Upper
94 100
96 73.4 73.5 110.3#



#10
Methyl Iodide
Concen: 2.054 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.012 min
Lab File: VY011256.D
Acq: 02 Nov 2022 12:48

Tgt Ion: 142 Resp: 873
Ion Ratio Lower Upper
142 100
127 38.5 41.5 62.3#
141 0.0 11.9 17.9#





#16

Acetone

Concen: 17.996 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY011256.D

Acq: 02 Nov 2022 12:48

Instrument :

MSVOA_Y

ClientSampleId :

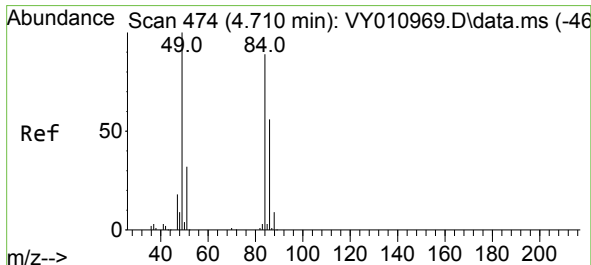
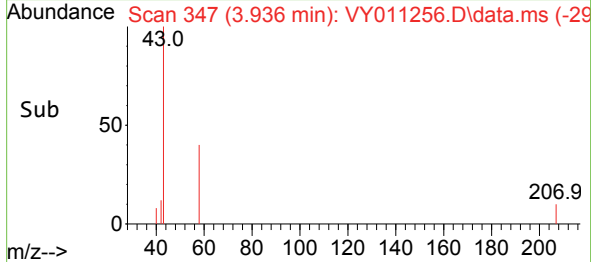
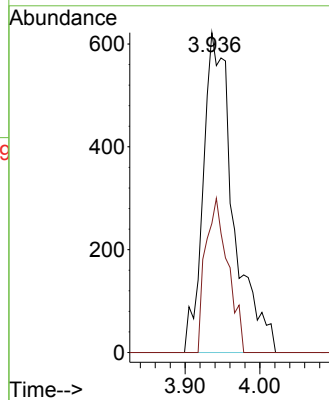
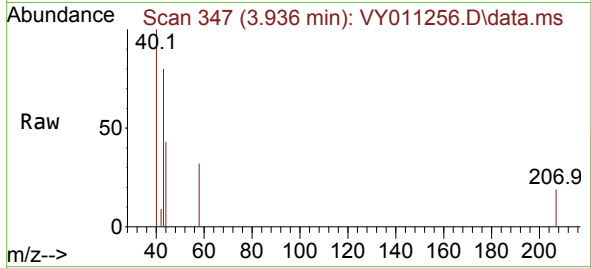
SB-03-14.5-15.0

Tgt Ion: 43 Resp: 1744

Ion Ratio Lower Upper

43 100

58 40.4 22.0 33.0#



#20

Methylene Chloride

Concen: 11.373 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.000 min

Lab File: VY011256.D

Acq: 02 Nov 2022 12:48

Tgt Ion: 84 Resp: 6047

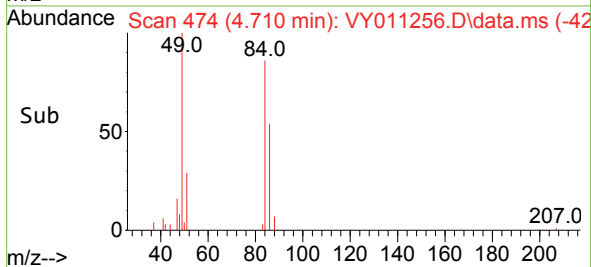
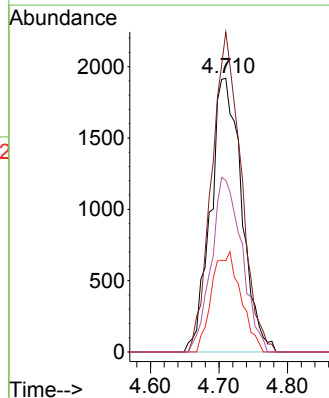
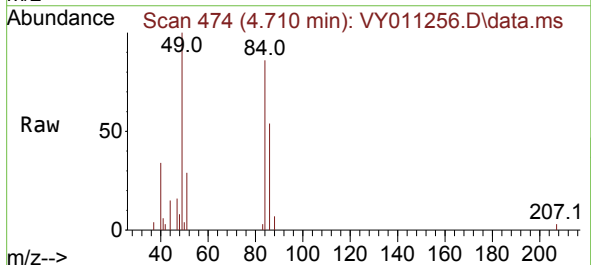
Ion Ratio Lower Upper

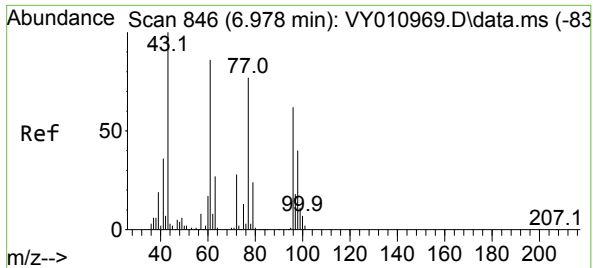
84 100

49 116.9 114.4 171.6

51 33.4 35.3 52.9#

86 62.8 53.7 80.5





#25

2-Butanone

Concen: 12.739 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY011256.D

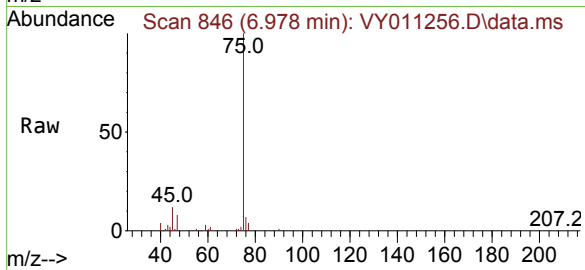
Acq: 02 Nov 2022 12:48

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-14.5-15.0

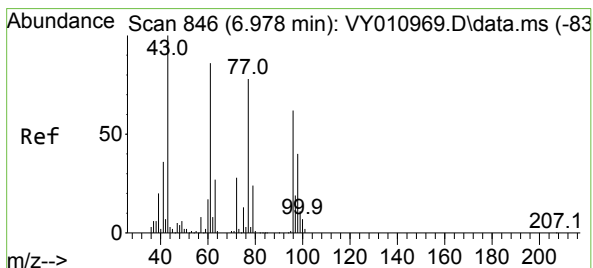
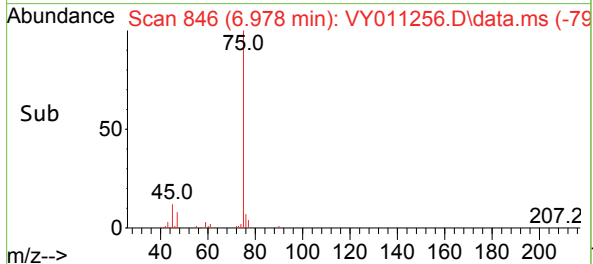
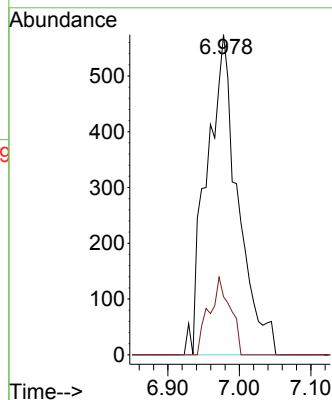


Tgt Ion: 43 Resp: 1737

Ion Ratio Lower Upper

43 100

72 18.1 17.7 26.5



#26

2,2-Dichloropropane

Concen: 4.208 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY011256.D

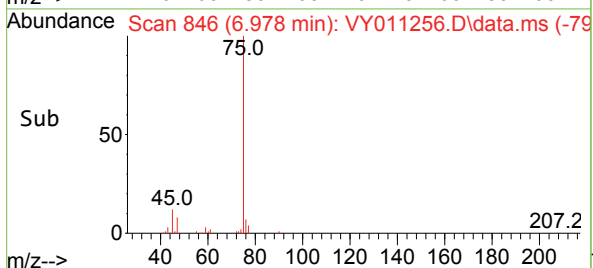
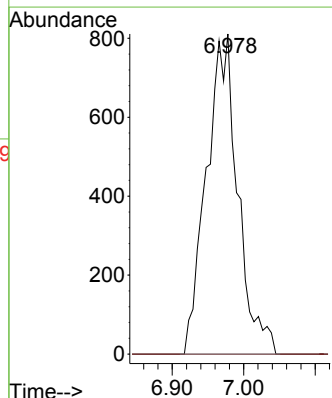
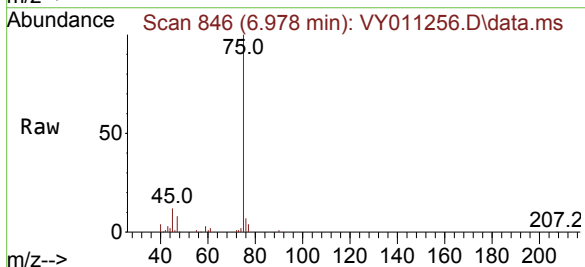
Acq: 02 Nov 2022 12:48

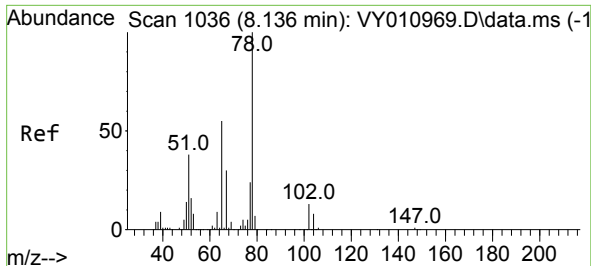
Tgt Ion: 77 Resp: 2471

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

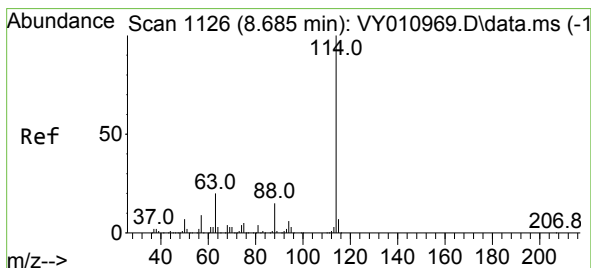
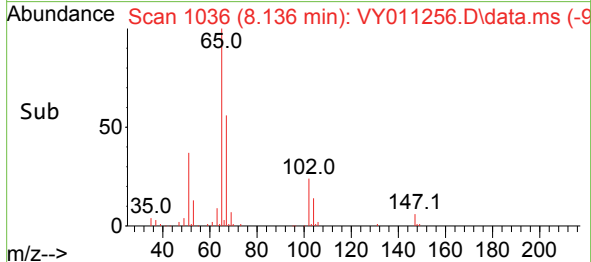
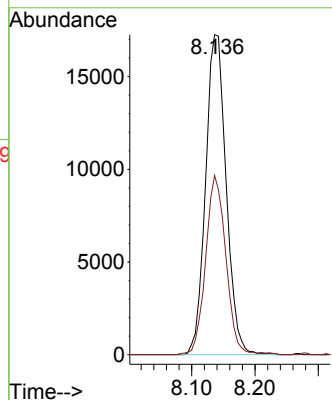
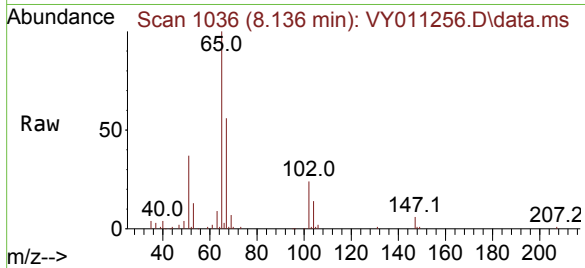




#33
 1,2-Dichloroethane-d4
 Concen: 122.011 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY011256.D
 Acq: 02 Nov 2022 12:48

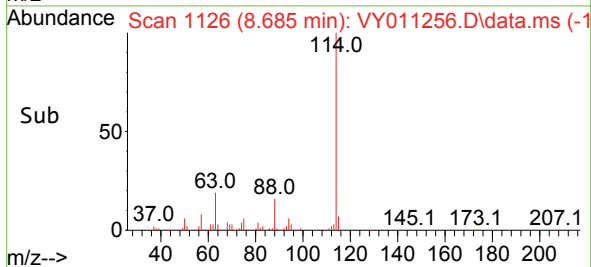
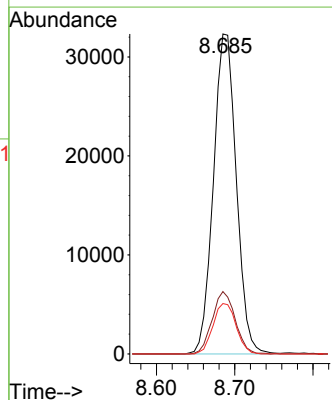
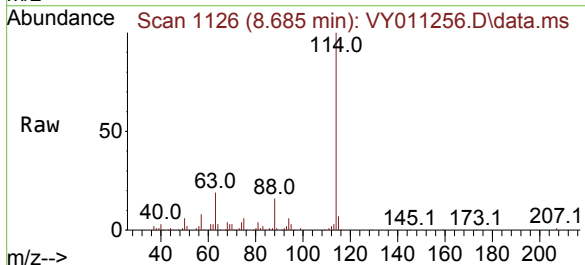
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-14.5-15.0

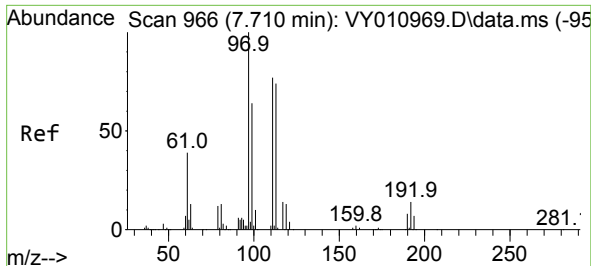
Tgt Ion: 65 Resp: 39171
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY011256.D
 Acq: 02 Nov 2022 12:48

Tgt Ion: 114 Resp: 65729
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.2
 88 15.8 0.0 31.8

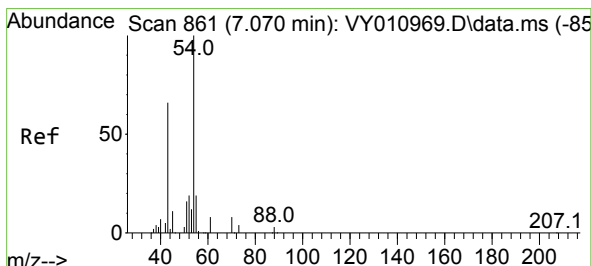
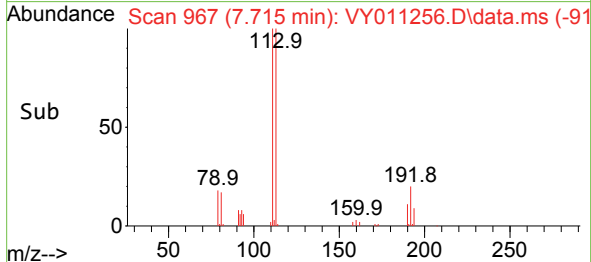
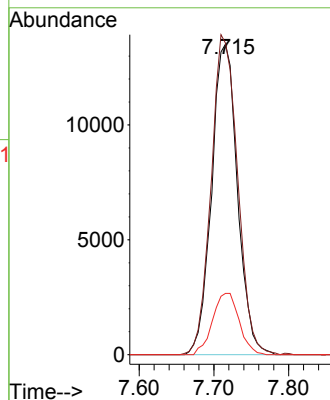
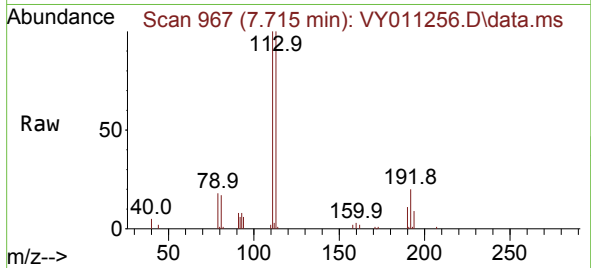




#35
Dibromofluoromethane
Concen: 77.029 ug/l
RT: 7.715 min Scan# 91
Delta R.T. 0.005 min
Lab File: VY011256.D
Acq: 02 Nov 2022 12:48

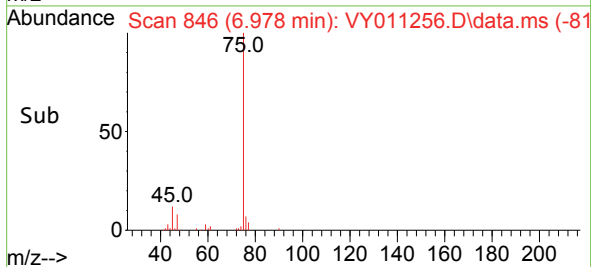
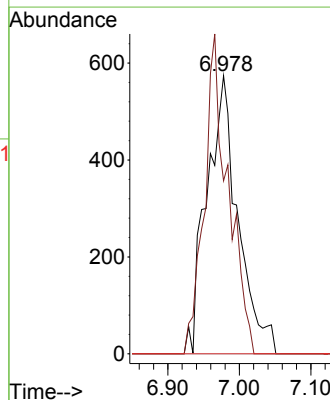
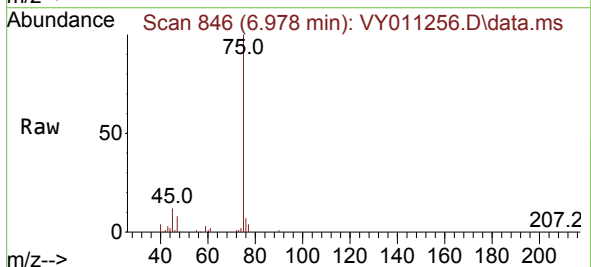
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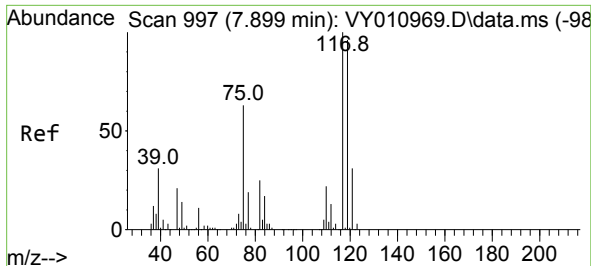
Tgt Ion:113 Resp: 32530
Ion Ratio Lower Upper
113 100
111 105.4 82.6 124.0
192 20.3 17.6 26.4



#37
Ethyl Acetate
Concen: 4.672 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY011256.D
Acq: 02 Nov 2022 12:48

Tgt Ion: 43 Resp: 1737
Ion Ratio Lower Upper
43 100
61 87.7 9.7 14.5#
70 0.0 7.1 10.7#

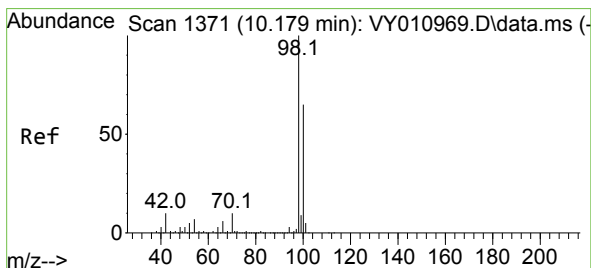
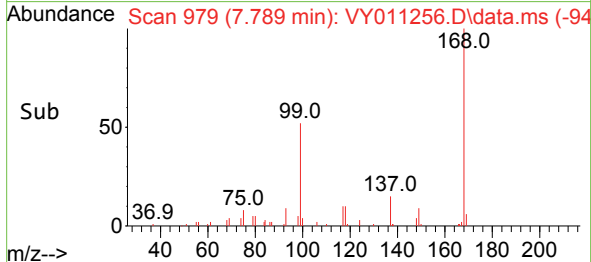
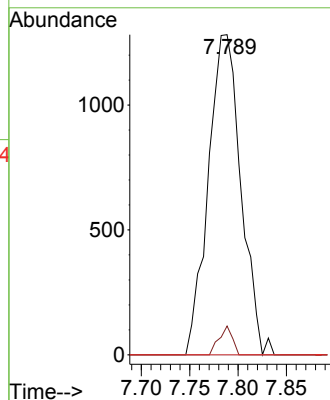
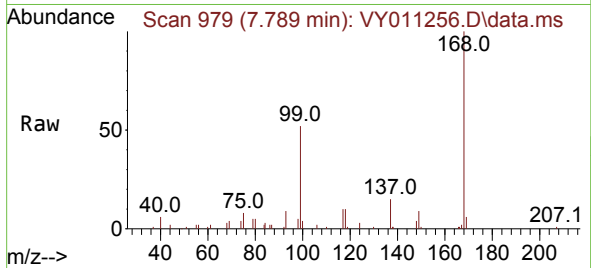




#38
Carbon Tetrachloride
Concen: 4.208 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011256.D
Acq: 02 Nov 2022 12:48

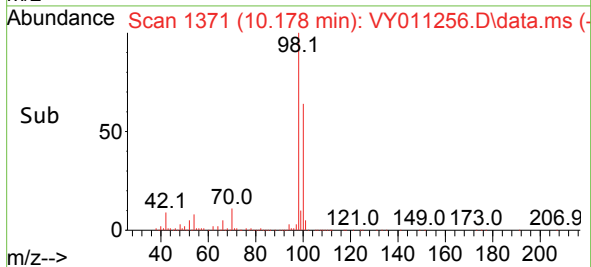
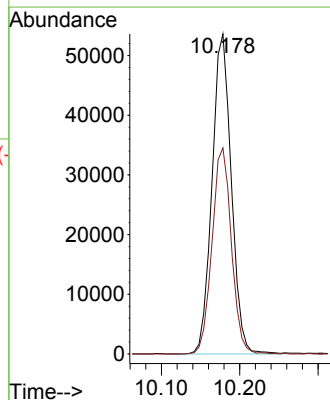
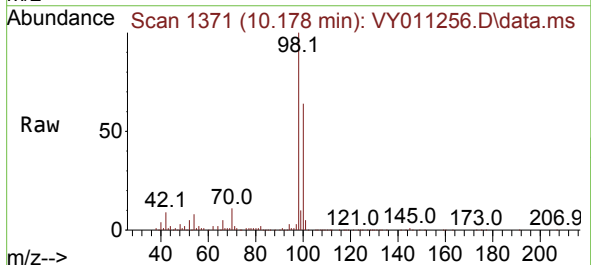
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-14.5-15.0

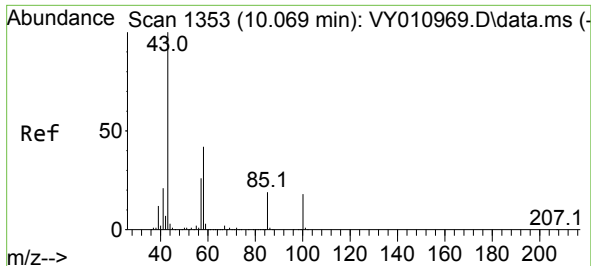
Tgt Ion:117 Resp: 3011
Ion Ratio Lower Upper
117 100
119 9.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.856 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY011256.D
Acq: 02 Nov 2022 12:48

Tgt Ion: 98 Resp: 91584
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

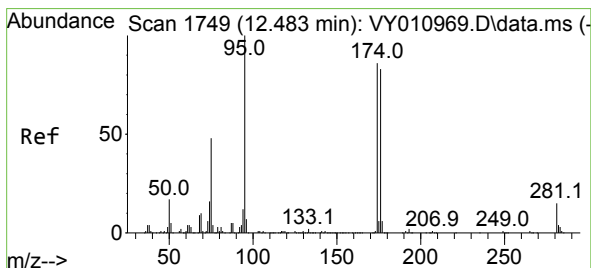
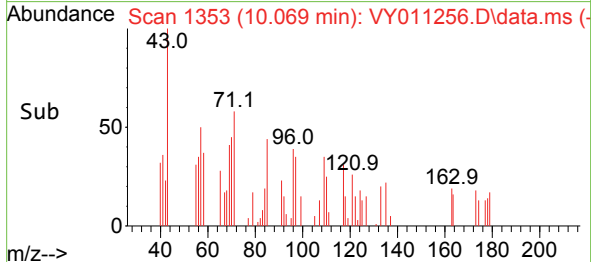
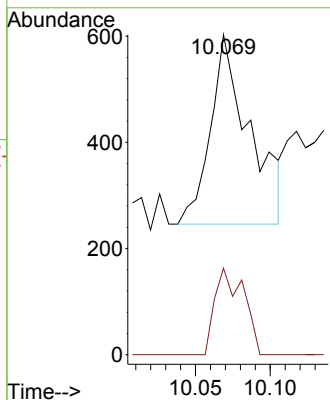
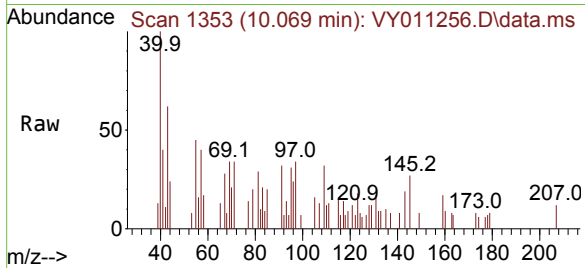




#51
4-Methyl-2-Pentanone
Concen: 1.822 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011256.D
Acq: 02 Nov 2022 12:48

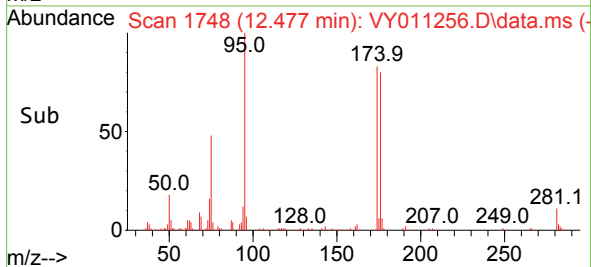
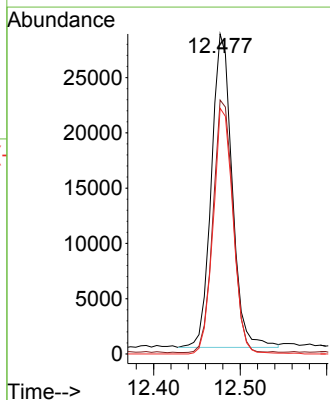
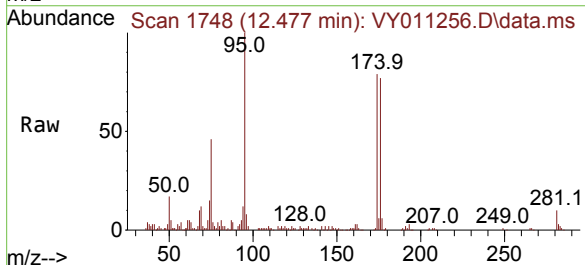
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-14.5-15.0

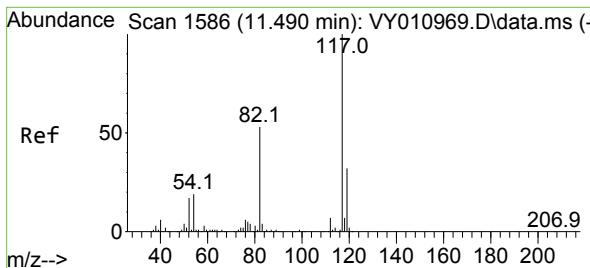
Tgt Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
58 33.6 28.1 42.1



#62
4-Bromofluorobenzene
Concen: 82.894 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011256.D
Acq: 02 Nov 2022 12:48

Tgt Ion: 95 Resp: 47185
Ion Ratio Lower Upper
95 100
174 77.8 0.0 177.0
176 75.6 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY011256.D

Acq: 02 Nov 2022 12:48

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-14.5-15.0

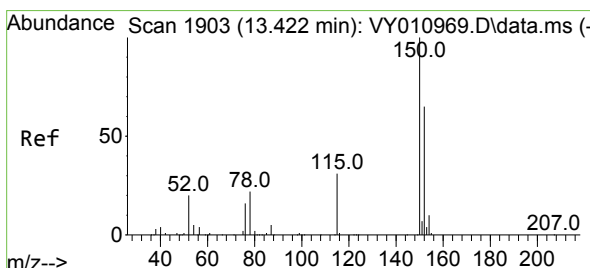
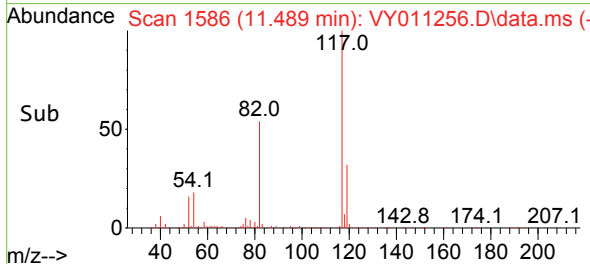
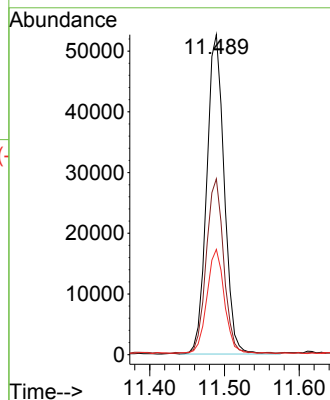
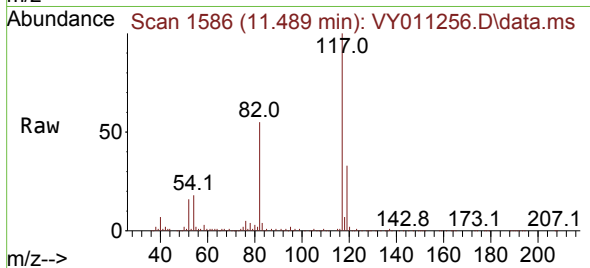
Tgt Ion:117 Resp: 85509

Ion Ratio Lower Upper

117 100

82 54.5 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: VY011256.D

Acq: 02 Nov 2022 12:48

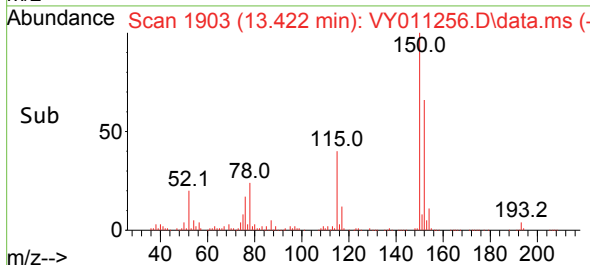
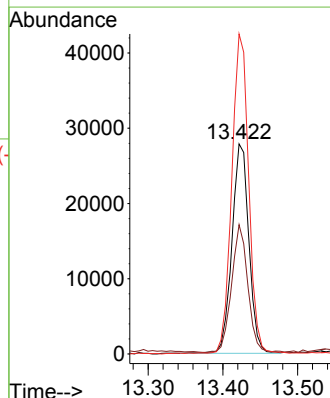
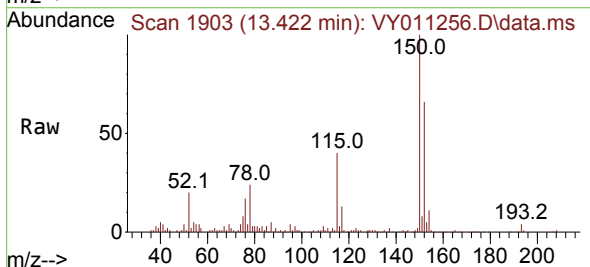
Tgt Ion:152 Resp: 43978

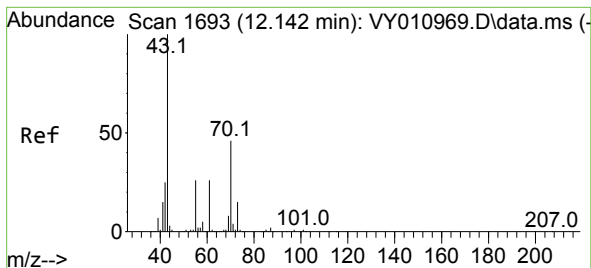
Ion Ratio Lower Upper

152 100

115 58.2 28.2 84.7

150 151.6 0.0 347.6





#74

N-amy1 acetate

Concen: 1.713 ug/l

RT: 12.111 min Scan# 1

Delta R.T. -0.031 min

Lab File: VY011256.D

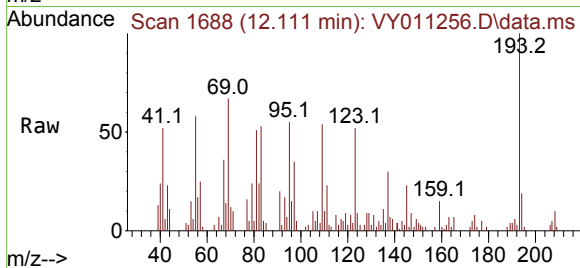
Acq: 02 Nov 2022 12:48

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-14.5-15.0



Tgt Ion: 43 Resp: 1414

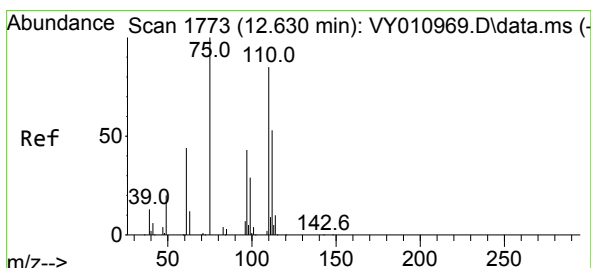
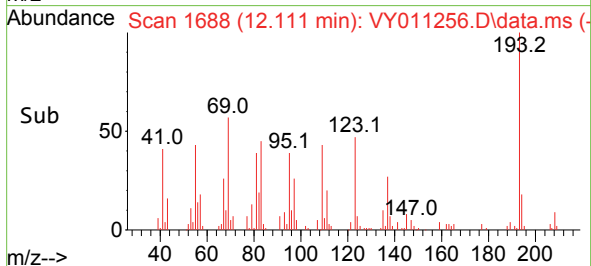
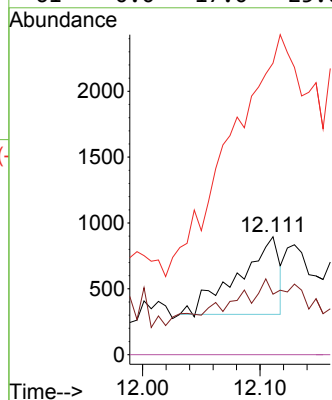
Ion Ratio Lower Upper

43 100

70 31.3 28.7 43.1

55 614.2 17.3 25.9#

61 0.0 17.0 25.6#



#76

1,2,3-Trichloropropane

Concen: 40.165 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY011256.D

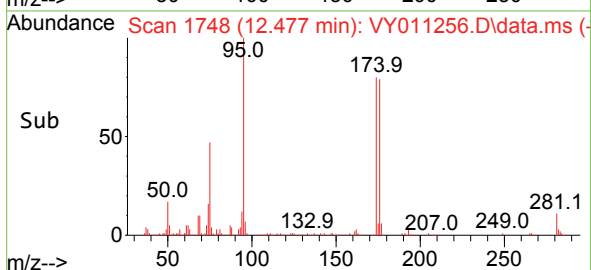
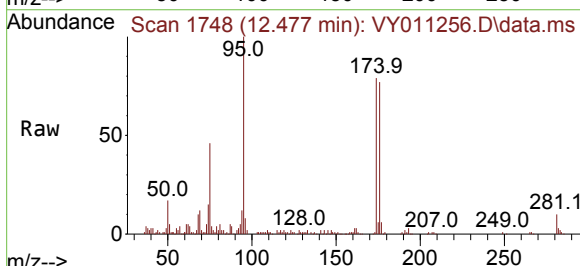
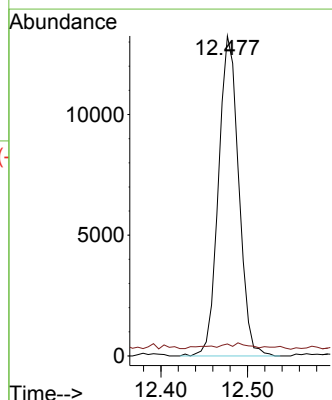
Acq: 02 Nov 2022 12:48

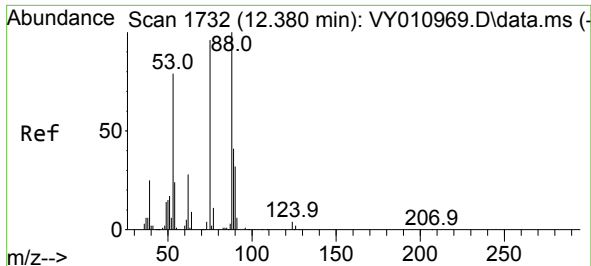
Tgt Ion: 75 Resp: 21504

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

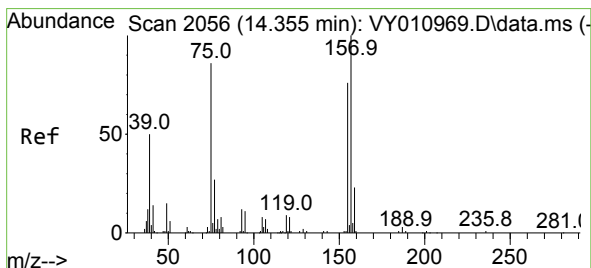
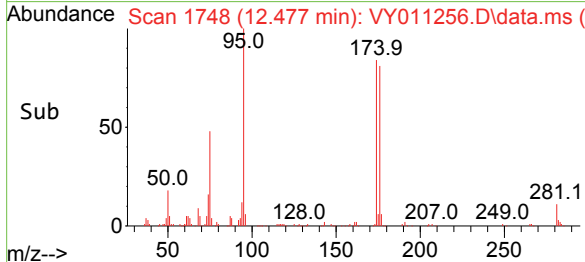
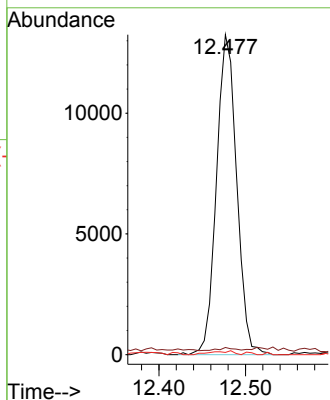
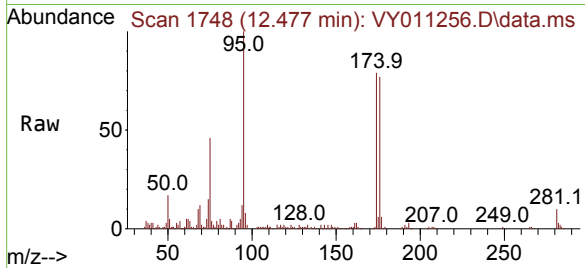




#81
trans-1,4-Dichloro-2-butene
Concen: 85.958 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011256.D
Acq: 02 Nov 2022 12:48

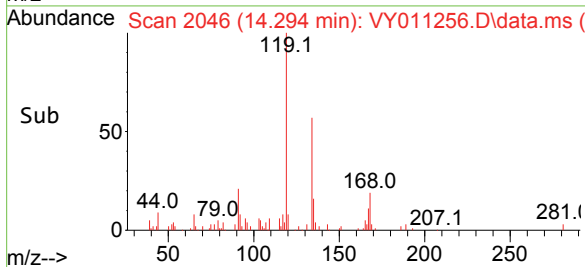
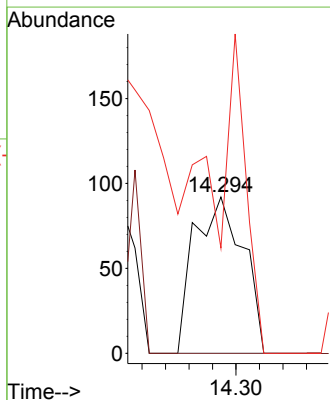
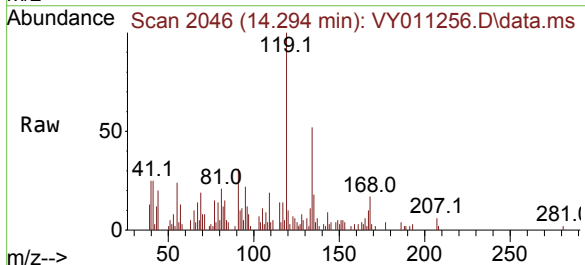
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-14.5-15.0

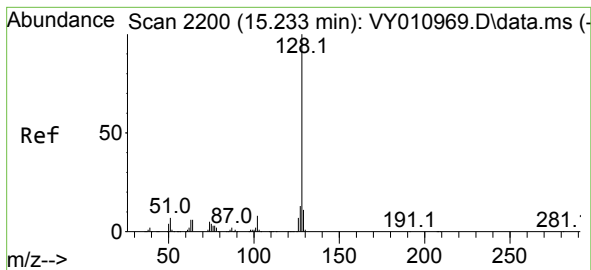
Tgt Ion: 75 Resp: 21504
Ion Ratio Lower Upper
75 100
53 0.6 85.3 127.9#
89 1.3 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.141 ug/l
RT: 14.294 min Scan# 2046
Delta R.T. -0.061 min
Lab File: VY011256.D
Acq: 02 Nov 2022 12:48

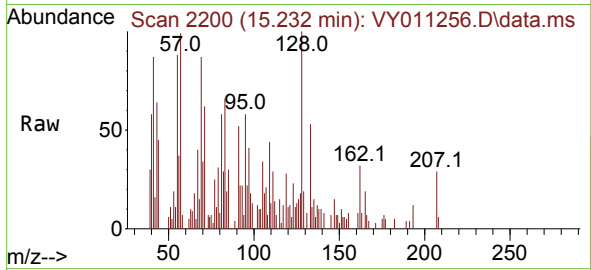
Tgt Ion: 75 Resp: 133
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#





#95
Naphthalene
Concen: 5.322 ug/l
RT: 15.232 min Scan# 21
Delta R.T. -0.001 min
Lab File: VY011256.D
Acq: 02 Nov 2022 12:48

Instrument :
MSVOA_Y
ClientSampleId :
SB-03-14.5-15.0



Tgt Ion:128 Resp: 2878
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 5.7 8.4 12.6#

