

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011818.D
 Acq On : 14 Dec 2022 02:00
 Operator : KP/MD
 Sample : N6037-12
 Misc : 4.30g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-23-(0.5-2.5)

Quant Time: Dec 14 05:37:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

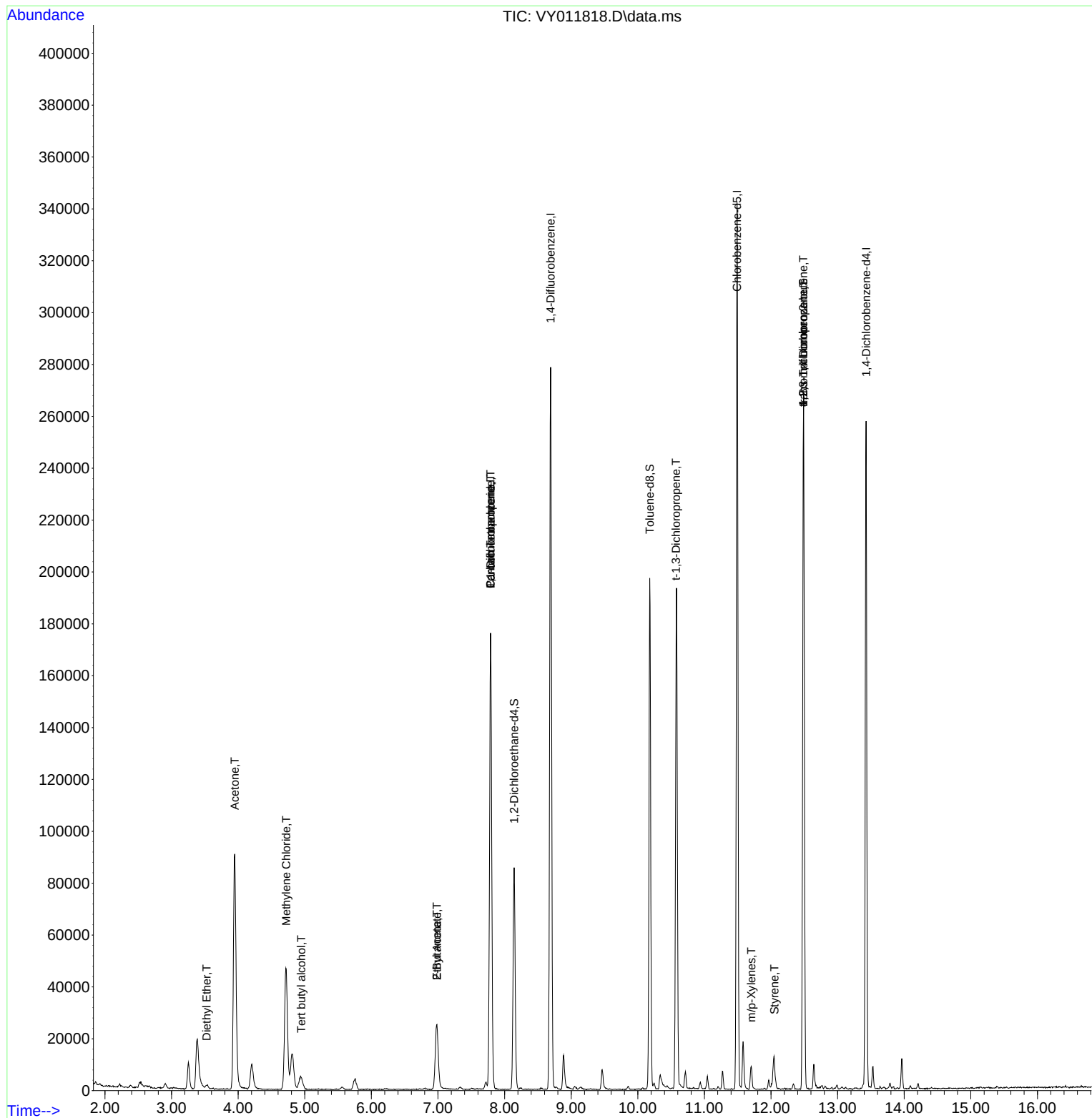
Internal Standards						
1) Pentafluorobenzene	7.789	168	136286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	241405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	187244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	68788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66891	74.251	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	148.500%
35) Dibromofluoromethane	7.722	113	2001	-2.194	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	-4.380%#
50) Toluene-d8	10.179	98	132714	35.864	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	71.720%
62) 4-Bromofluorobenzene	12.483	95	45562	30.799	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	61.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	21	Below Cal	#	41
3) Chloromethane	2.113	50	205	Below Cal	#	84
5) Bromomethane	2.662	94	232	Below Cal	#	73
8) Diethyl Ether	3.527	74	751	1.144	ug/l #	3
11) Tert butyl alcohol	4.948	59	7808	7.724	ug/l #	79
16) Acetone	3.948	43	159021	427.322	ug/l	98
18) Methyl Acetate	4.491	43	113	Below Cal	#	50
20) Methylene Chloride	4.722	84	35795	23.961	ug/l	94
25) 2-Butanone	6.984	43	20485	42.795	ug/l	95
31) Cyclohexane	7.795	56	2753	Below Cal	#	35
36) 1,1-Dichloropropene	7.789	75	10322	5.635	ug/l #	49
37) Ethyl Acetate	6.984	43	20485	19.127	ug/l #	74
38) Carbon Tetrachloride	7.789	117	14105	6.555	ug/l #	17
53) t-1,3-Dichloropropene	10.575	75	2514	1.229	ug/l #	60
68) m/p-Xylenes	11.703	106	2804	1.232	ug/l	97
70) Styrene	12.050	104	5501	1.485	ug/l	91
76) 1,2,3-Trichloropropane	12.483	75	25000	35.922	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	25000	81.514	ug/l #	14

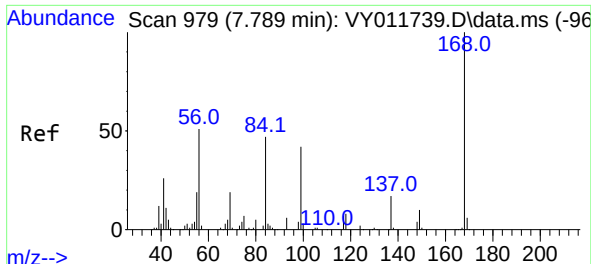
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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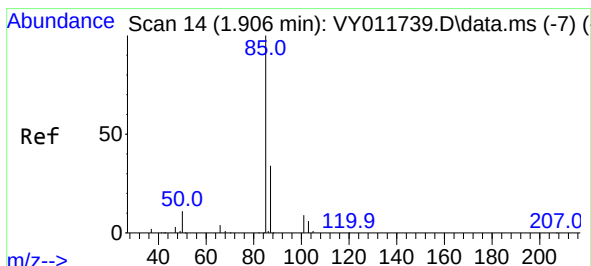
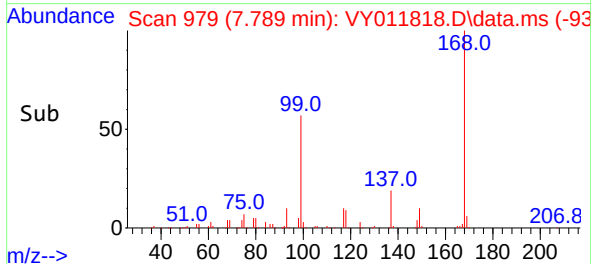
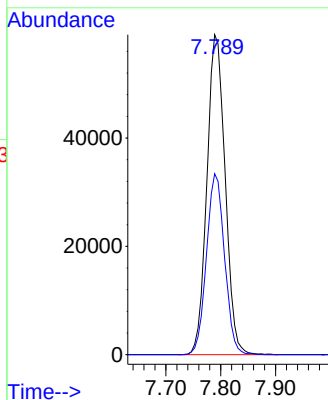
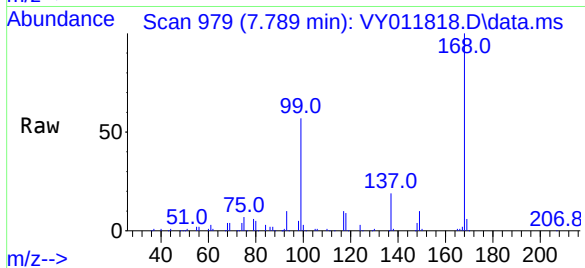




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

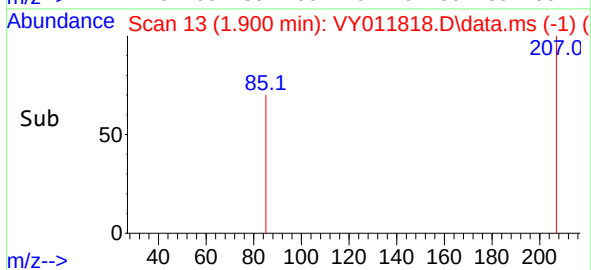
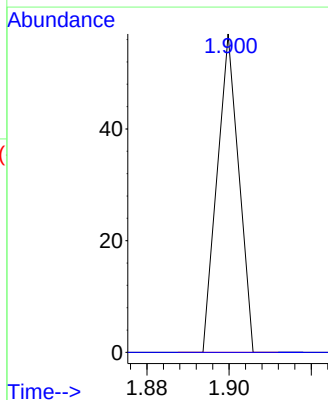
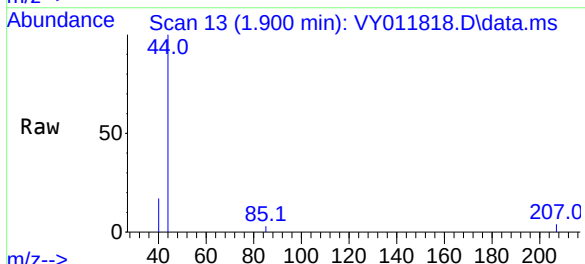
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(0.5-2.5)

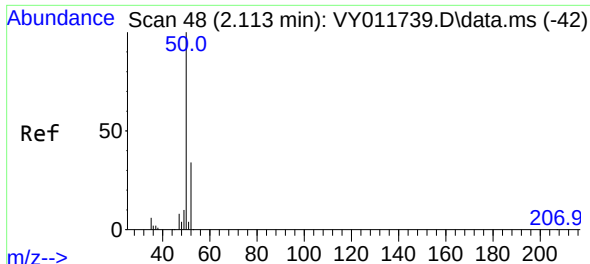
Tgt Ion:168 Resp: 136286
Ion Ratio Lower Upper
168 100
99 56.6 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Tgt Ion: 85 Resp: 21
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

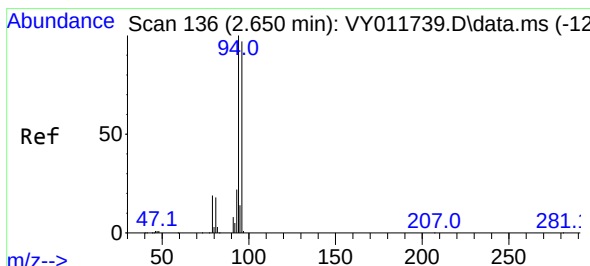
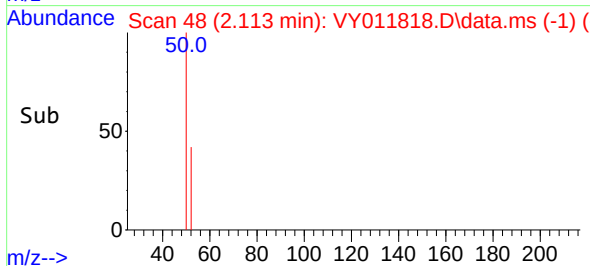
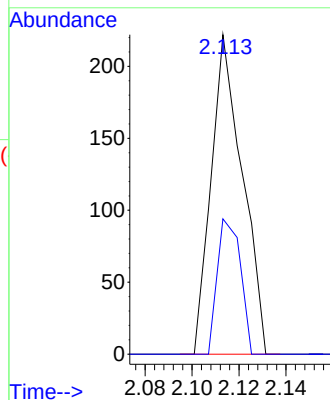
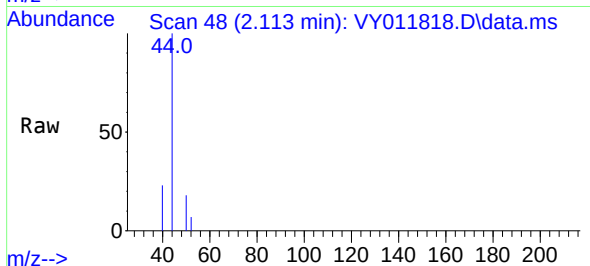




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

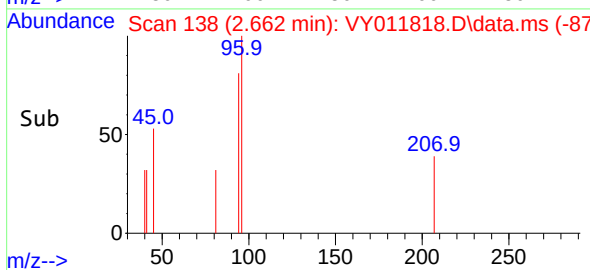
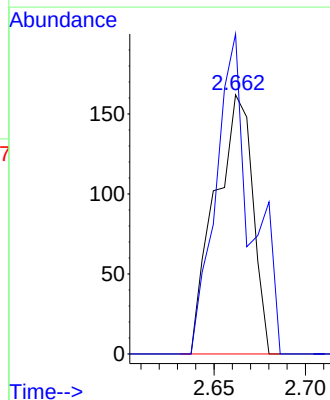
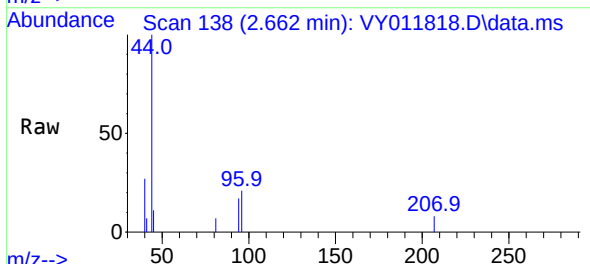
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(0.5-2.5)

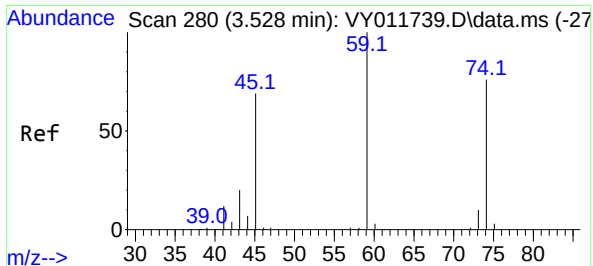
Tgt Ion: 50 Resp: 205
Ion Ratio Lower Upper
50 100
52 42.3 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Tgt Ion: 94 Resp: 232
Ion Ratio Lower Upper
94 100
96 123.5 77.4 116.2#

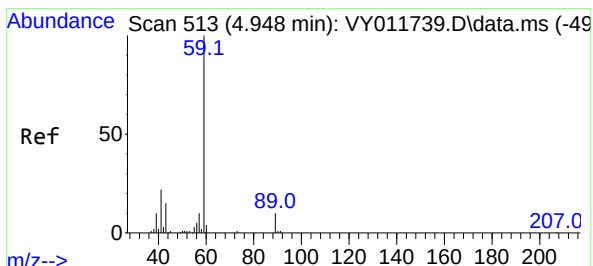
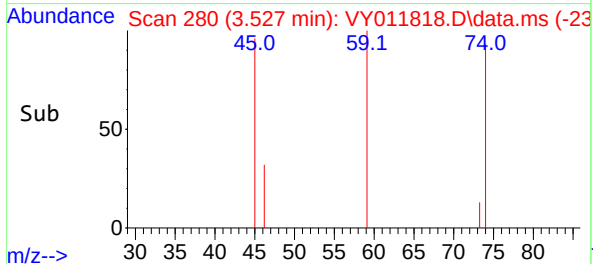
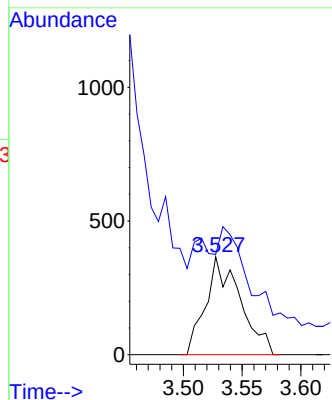
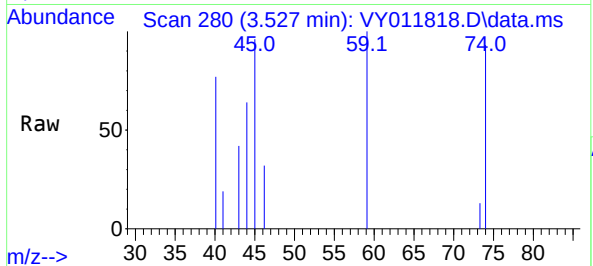




#8
Diethyl Ether
Concen: 1.144 ug/l
RT: 3.527 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

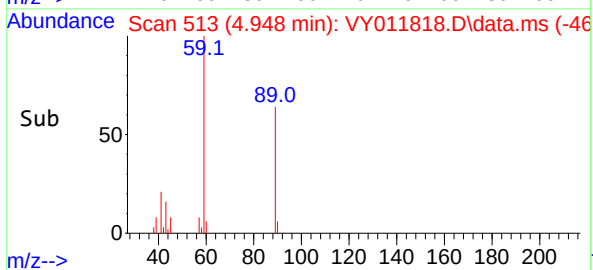
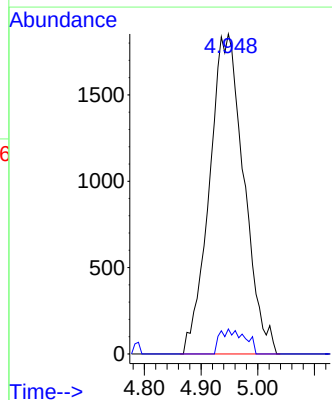
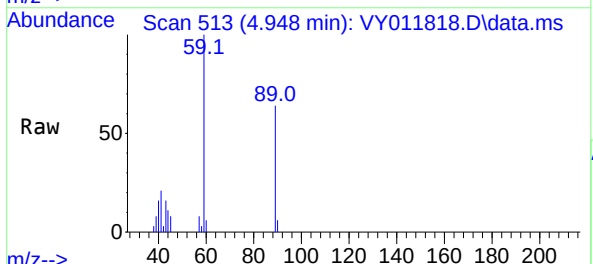
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(0.5-2.5)

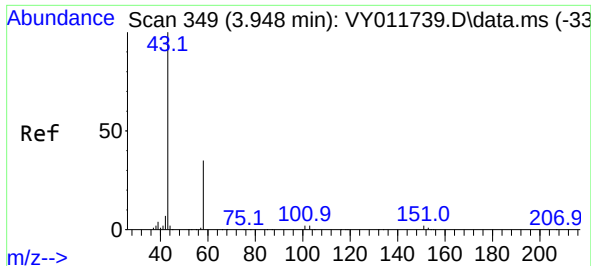
Tgt Ion: 74 Resp: 751
Ion Ratio Lower Upper
74 100
45 0.0 46.8 140.3#



#11
Tert butyl alcohol
Concen: 7.724 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Tgt Ion: 59 Resp: 7808
Ion Ratio Lower Upper
59 100
57 1.6 7.4 11.2#

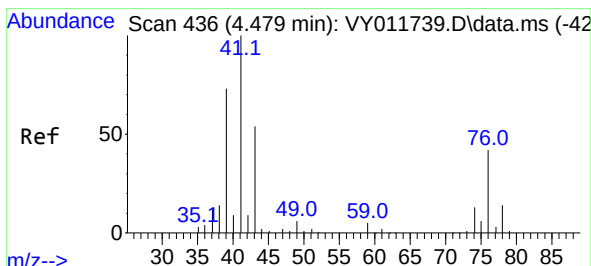
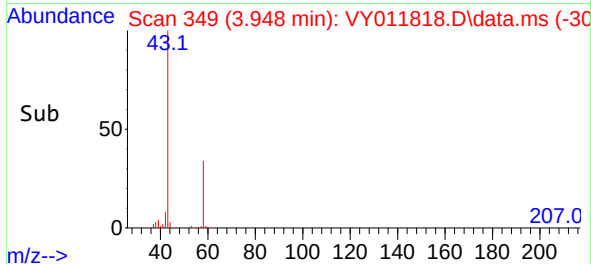
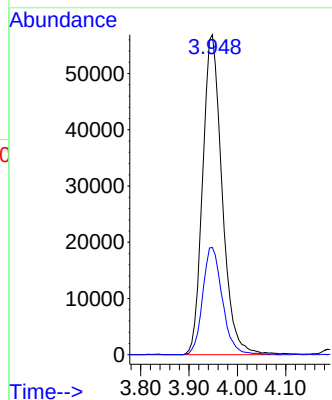
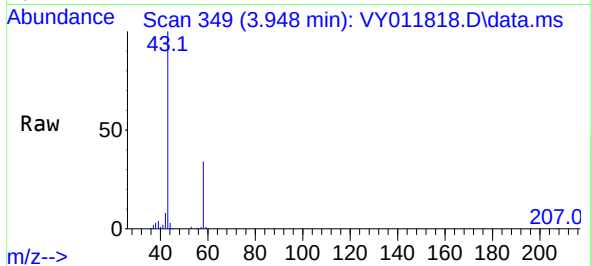




#16
Acetone
Concen: 427.322 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

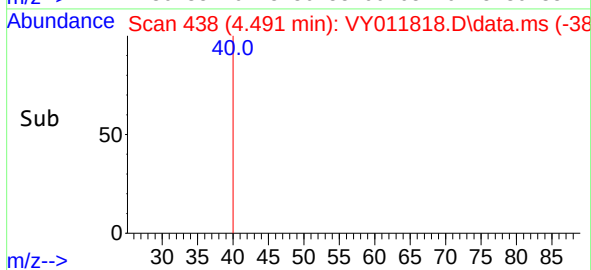
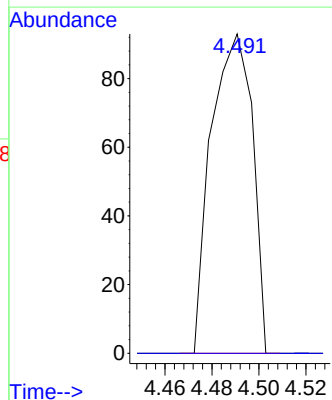
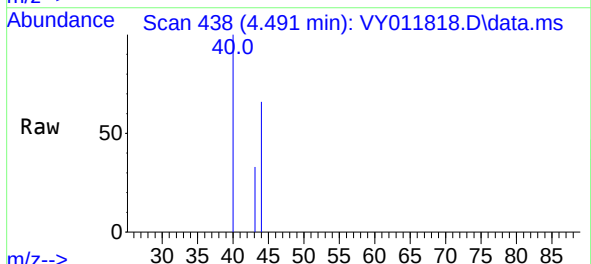
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(0.5-2.5)

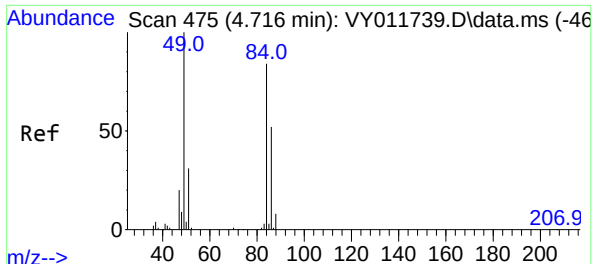
Tgt Ion: 43 Resp: 159021
Ion Ratio Lower Upper
43 100
58 33.5 27.9 41.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 438
Delta R.T. 0.012 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#





#20

Methylene Chloride

Concen: 23.961 ug/l

RT: 4.722 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY011818.D

Acq: 14 Dec 2022 02:00

Instrument :

MSVOA_Y

ClientSampleId :

RB-23-(0.5-2.5)

Tgt Ion: 84 Resp: 35795

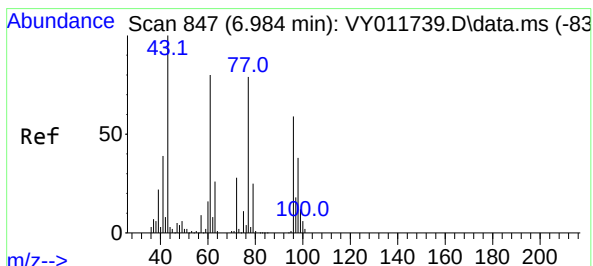
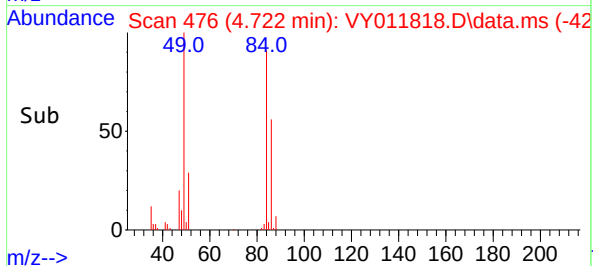
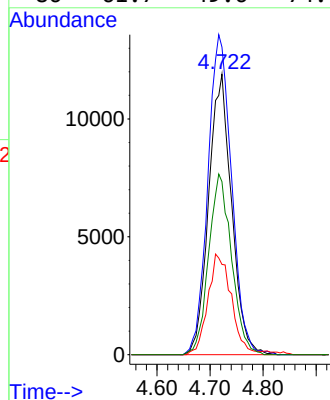
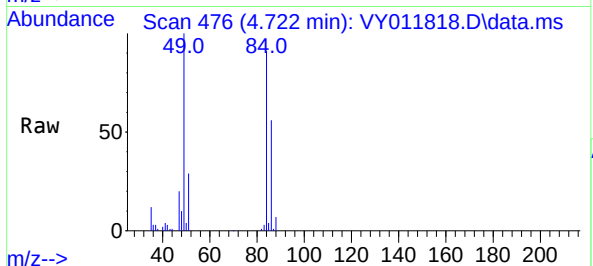
Ion Ratio Lower Upper

84 100

49 109.6 95.4 143.2

51 32.2 29.9 44.9

86 61.7 49.6 74.4



#25

2-Butanone

Concen: 42.795 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY011818.D

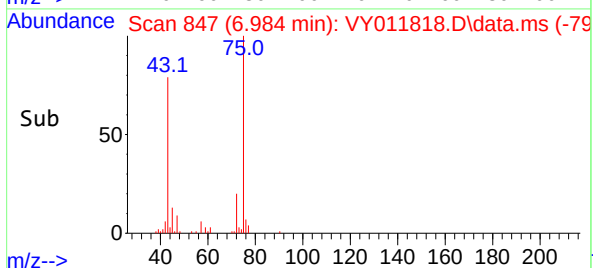
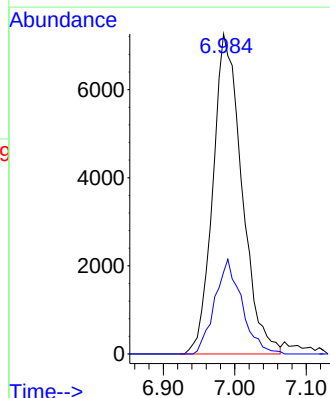
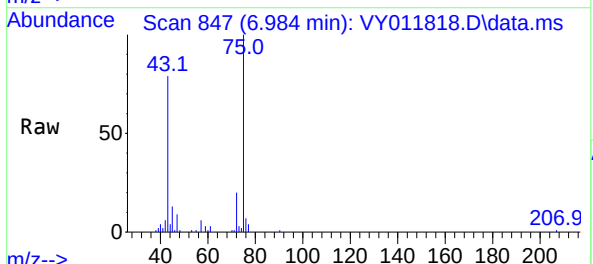
Acq: 14 Dec 2022 02:00

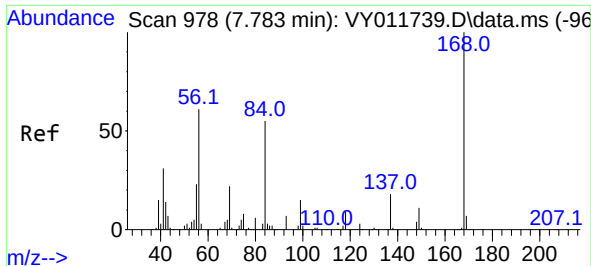
Tgt Ion: 43 Resp: 20485

Ion Ratio Lower Upper

43 100

72 25.6 22.6 34.0

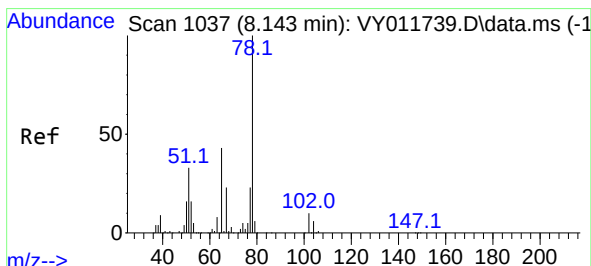
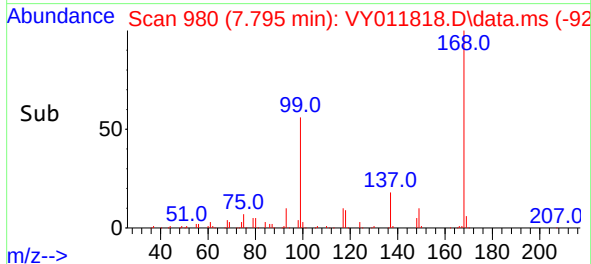
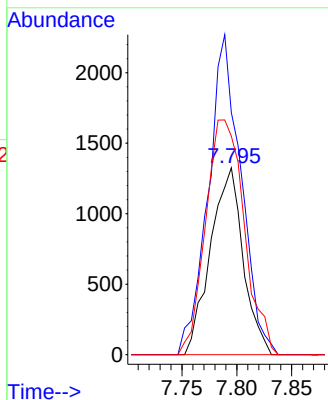
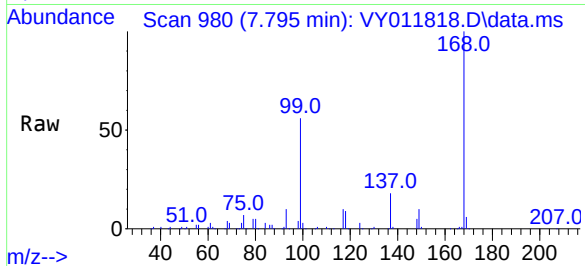




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

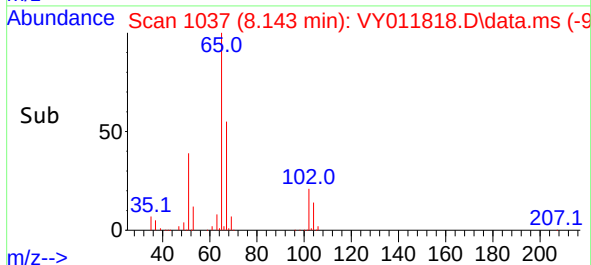
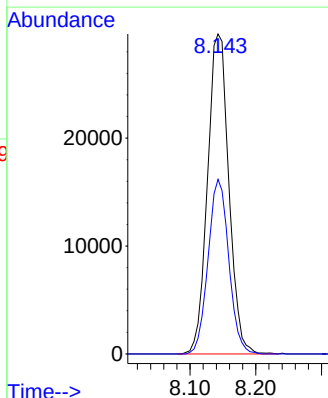
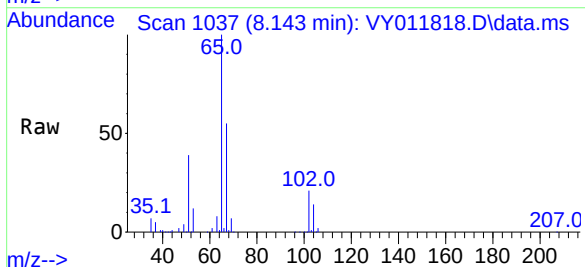
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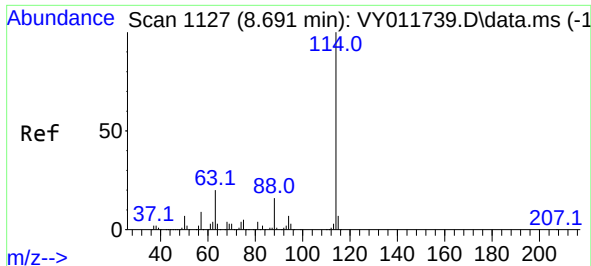
Tgt Ion: 56 Resp: 2753
Ion Ratio Lower Upper
56 100
69 129.6 29.2 43.8#
84 116.9 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 74.251 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Tgt Ion: 65 Resp: 66891
Ion Ratio Lower Upper
65 100
67 52.9 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: VY011818.D

Acq: 14 Dec 2022 02:00

Instrument :

MSVOA_Y

ClientSampleId :

RB-23-(0.5-2.5)

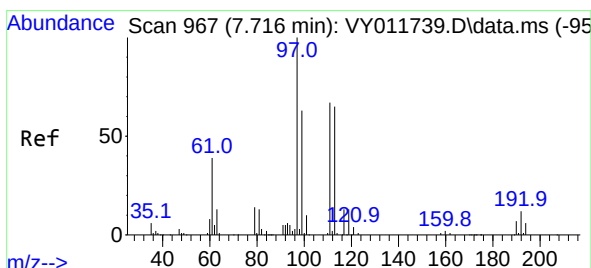
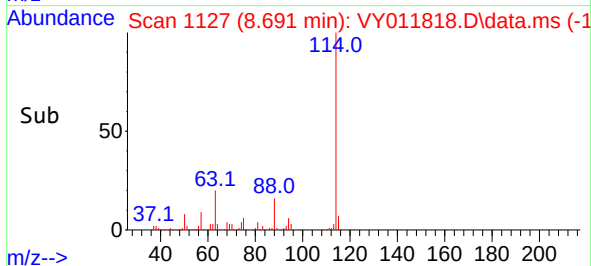
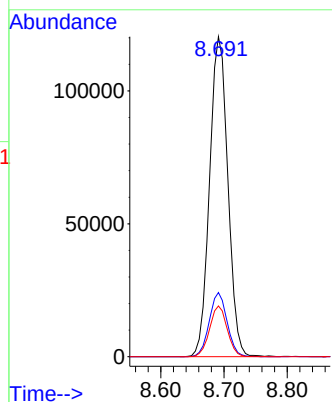
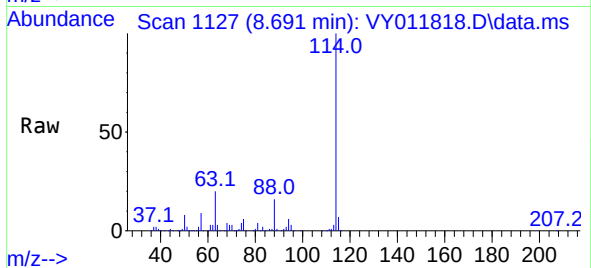
Tgt Ion:114 Resp: 241405

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 15.9 0.0 32.2



#35

Dibromofluoromethane

Concen: -2.194 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY011818.D

Acq: 14 Dec 2022 02:00

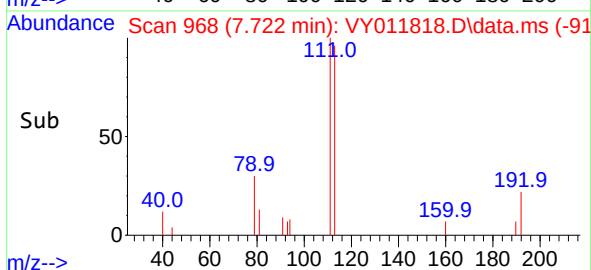
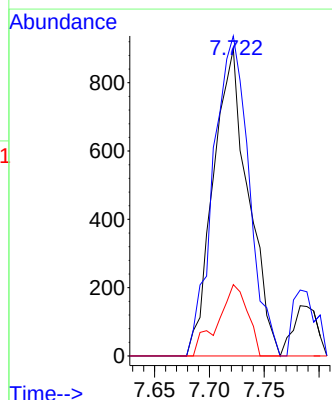
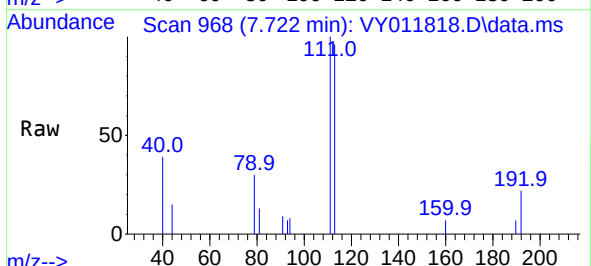
Tgt Ion:113 Resp: 2001

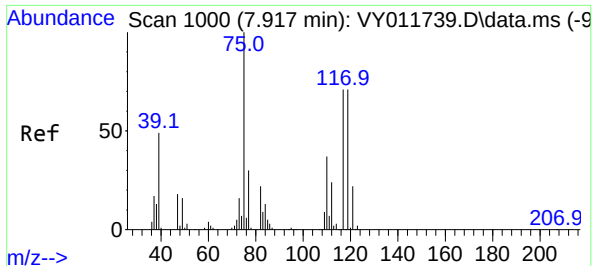
Ion Ratio Lower Upper

113 100

111 106.0 83.0 124.4

192 19.9 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.635 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011818.D

Acq: 14 Dec 2022 02:00

Instrument :

MSVOA_Y

ClientSampleId :

RB-23-(0.5-2.5)

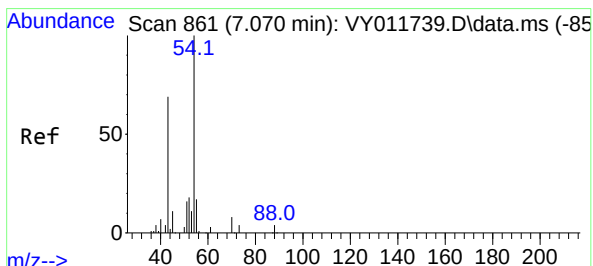
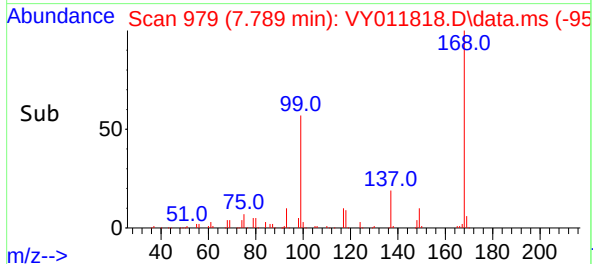
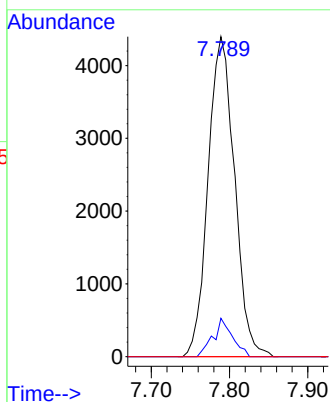
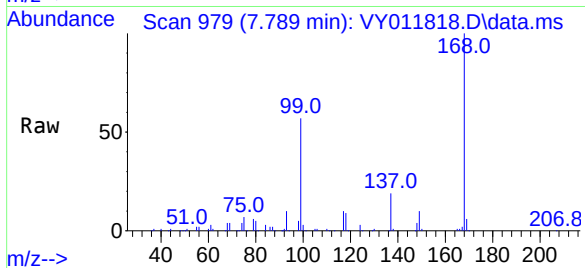
Tgt Ion: 75 Resp: 10322

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.1#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 19.127 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011818.D

Acq: 14 Dec 2022 02:00

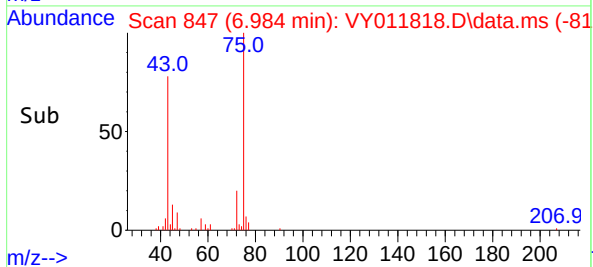
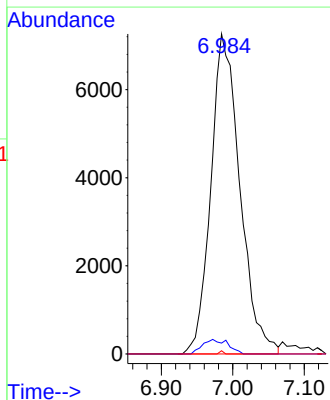
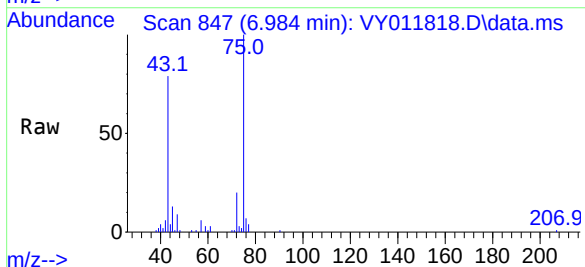
Tgt Ion: 43 Resp: 20485

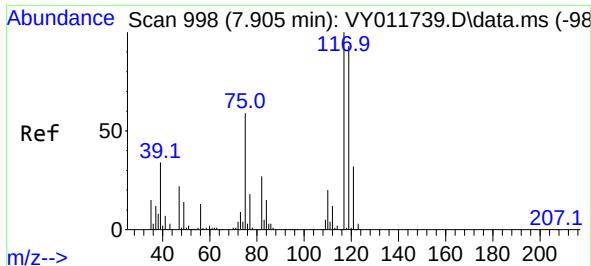
Ion Ratio Lower Upper

43 100

61 4.0 11.3 16.9#

70 0.1 8.2 12.4#

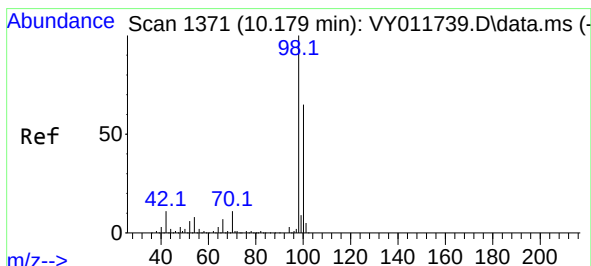
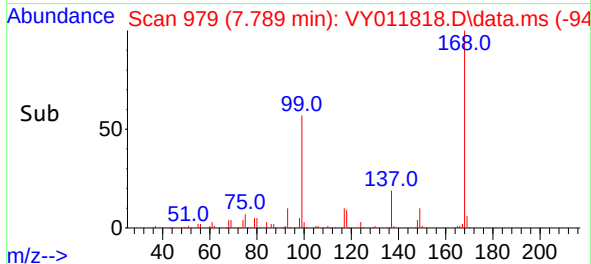
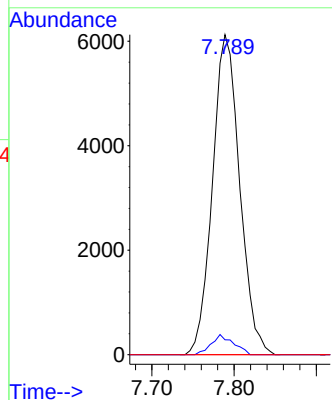
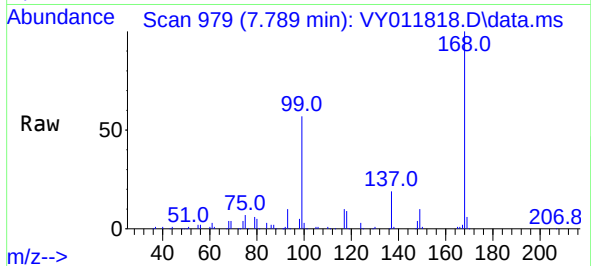




#38
Carbon Tetrachloride
Concen: 6.555 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

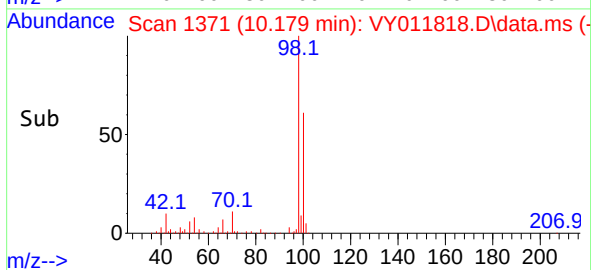
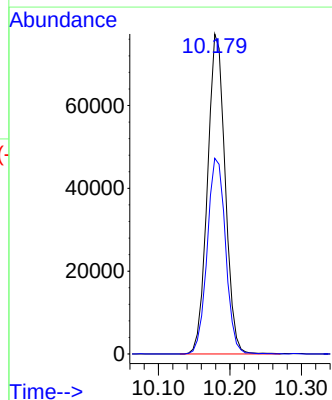
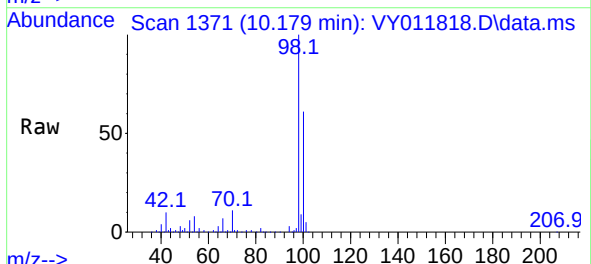
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(0.5-2.5)

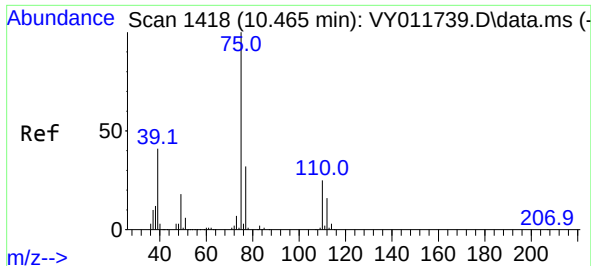
Tgt Ion:117 Resp: 14105
Ion Ratio Lower Upper
117 100
119 4.6 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 35.864 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Tgt Ion: 98 Resp: 132714
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9

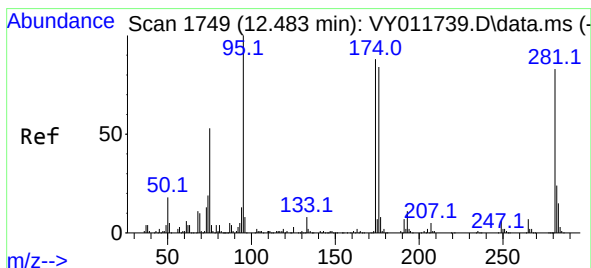
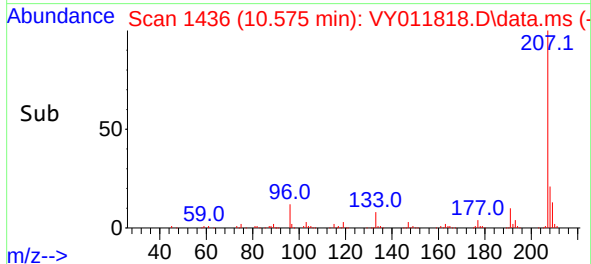
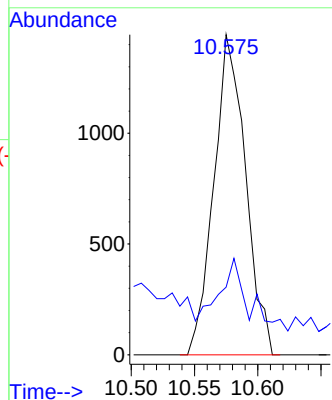
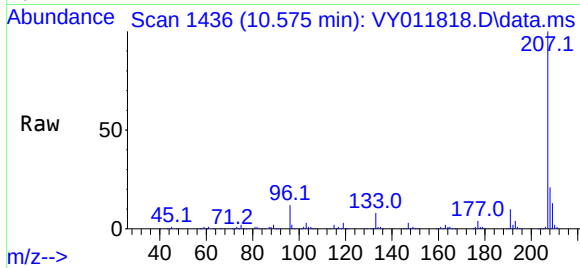




#53
t-1,3-Dichloropropene
Concen: 1.229 ug/l
RT: 10.575 min Scan# 1418
Delta R.T. 0.110 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

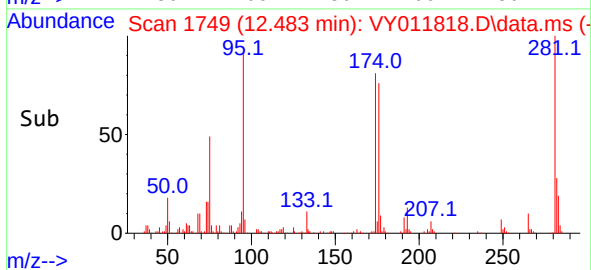
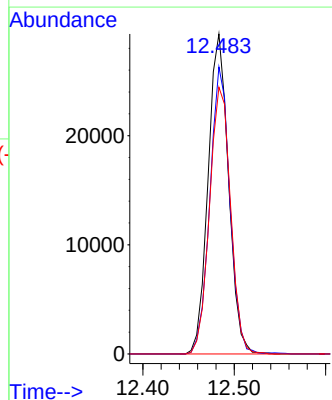
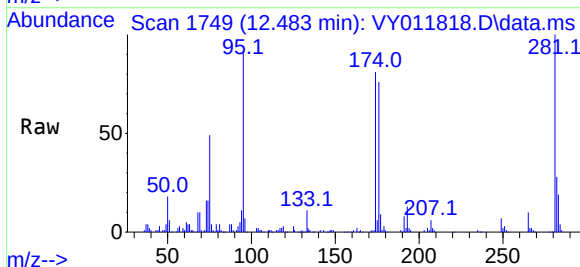
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(0.5-2.5)

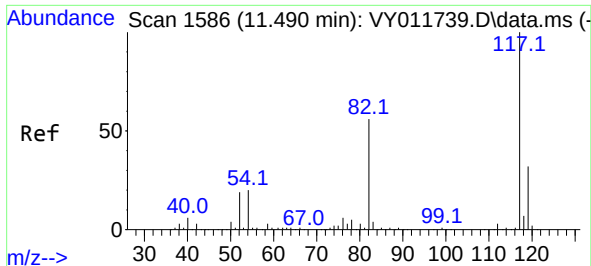
Tgt Ion: 75 Resp: 2514
Ion Ratio Lower Upper
75 100
77 10.0 25.8 38.8#



#62
4-Bromofluorobenzene
Concen: 30.799 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Tgt Ion: 95 Resp: 45562
Ion Ratio Lower Upper
95 100
174 88.0 0.0 172.0
176 86.0 0.0 167.6

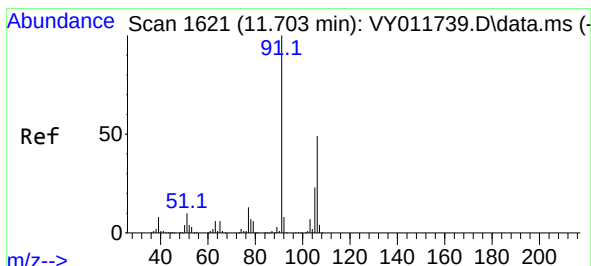
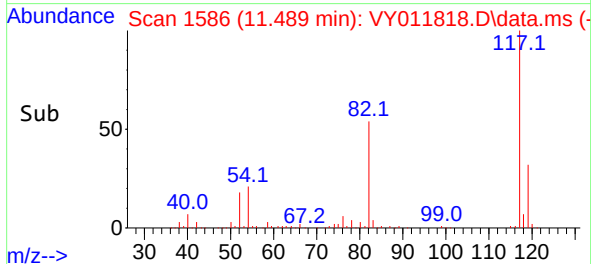
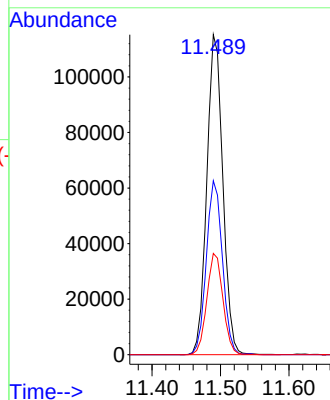
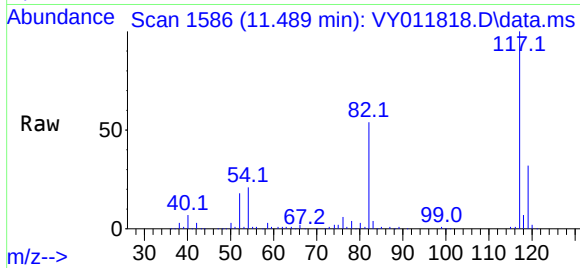




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

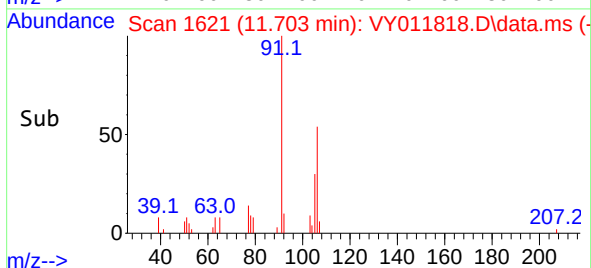
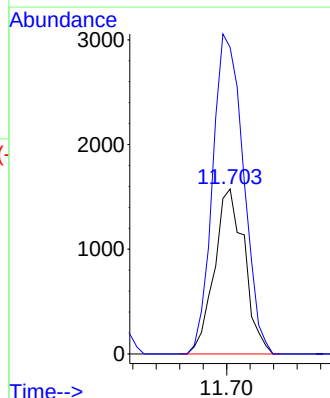
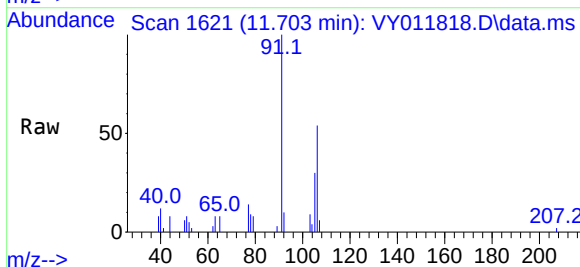
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(0.5-2.5)

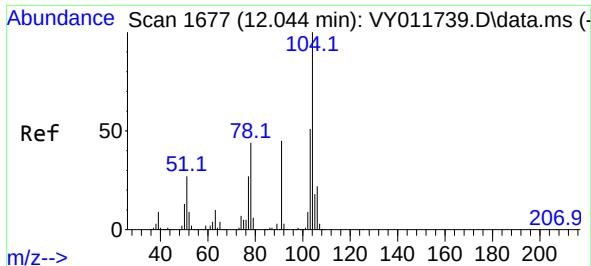
Tgt Ion:117 Resp: 187244
Ion Ratio Lower Upper
117 100
82 54.4 44.8 67.2
119 31.7 25.4 38.2



#68
m/p-Xylenes
Concen: 1.232 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Tgt Ion:106 Resp: 2804
Ion Ratio Lower Upper
106 100
91 198.5 162.5 243.7

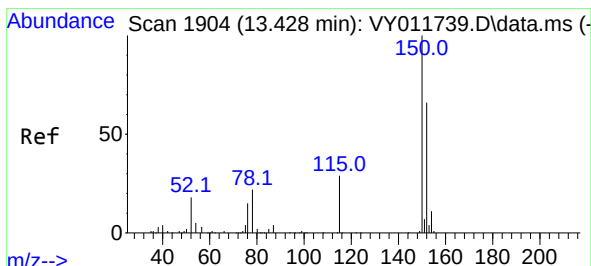
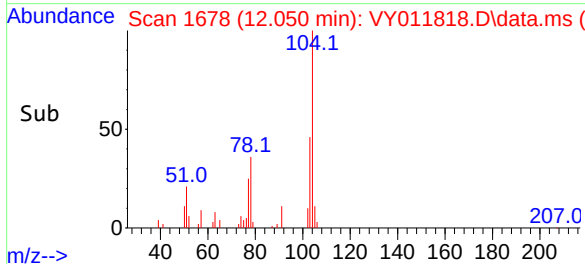
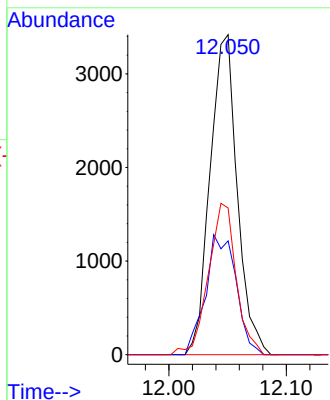
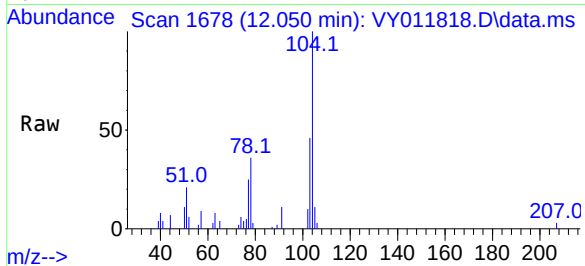




#70
Styrene
Concen: 1.485 ug/l
RT: 12.050 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

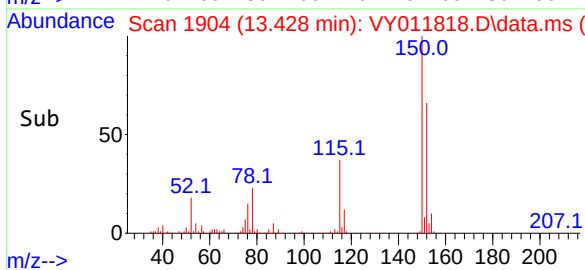
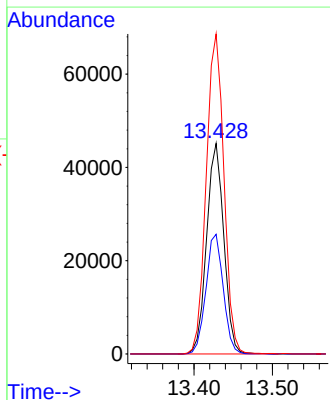
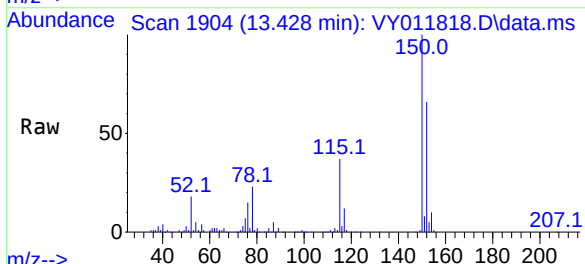
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(0.5-2.5)

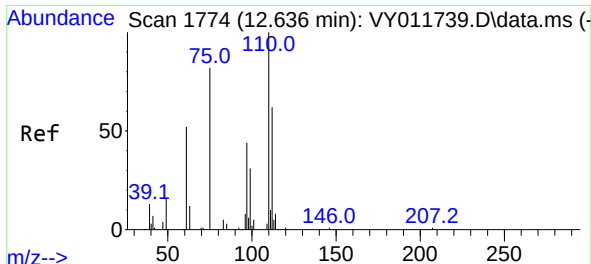
Tgt Ion:104	Resp:	5501
Ion Ratio	Lower	Upper
104	100	
78	42.1	39.4 59.0
103	48.2	43.0 64.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Tgt Ion:152	Resp:	68788
Ion Ratio	Lower	Upper
152	100	
115	57.2	29.1 87.3
150	156.0	0.0 342.6

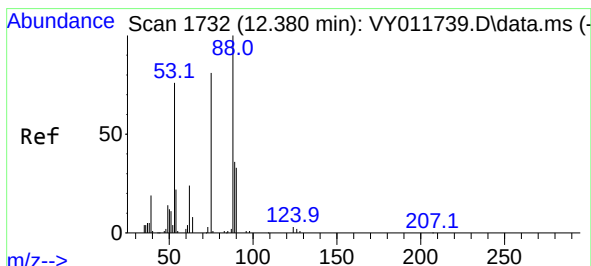
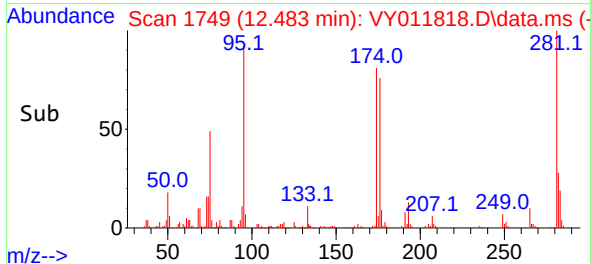
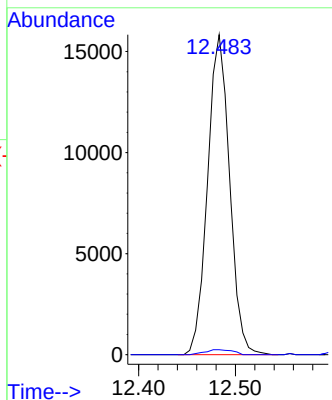
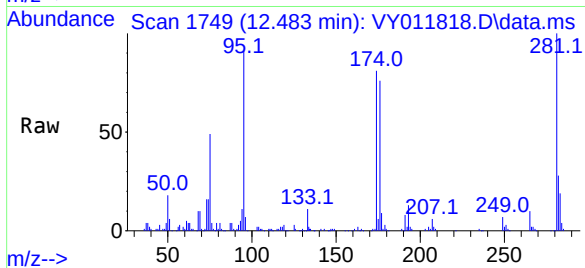




#76
1,2,3-Trichloropropane
Concen: 35.922 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(0.5-2.5)

Tgt Ion: 75 Resp: 25000
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.514 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011818.D
Acq: 14 Dec 2022 02:00

Tgt Ion: 75 Resp: 25000
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 1.7 37.0 55.4#

