

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011926.D
 Acq On : 20 Dec 2022 16:47
 Operator : KP/MD
 Sample : N6038-12RE
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-35-(2.5-4.5)RE

Quant Time: Dec 21 00:09:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

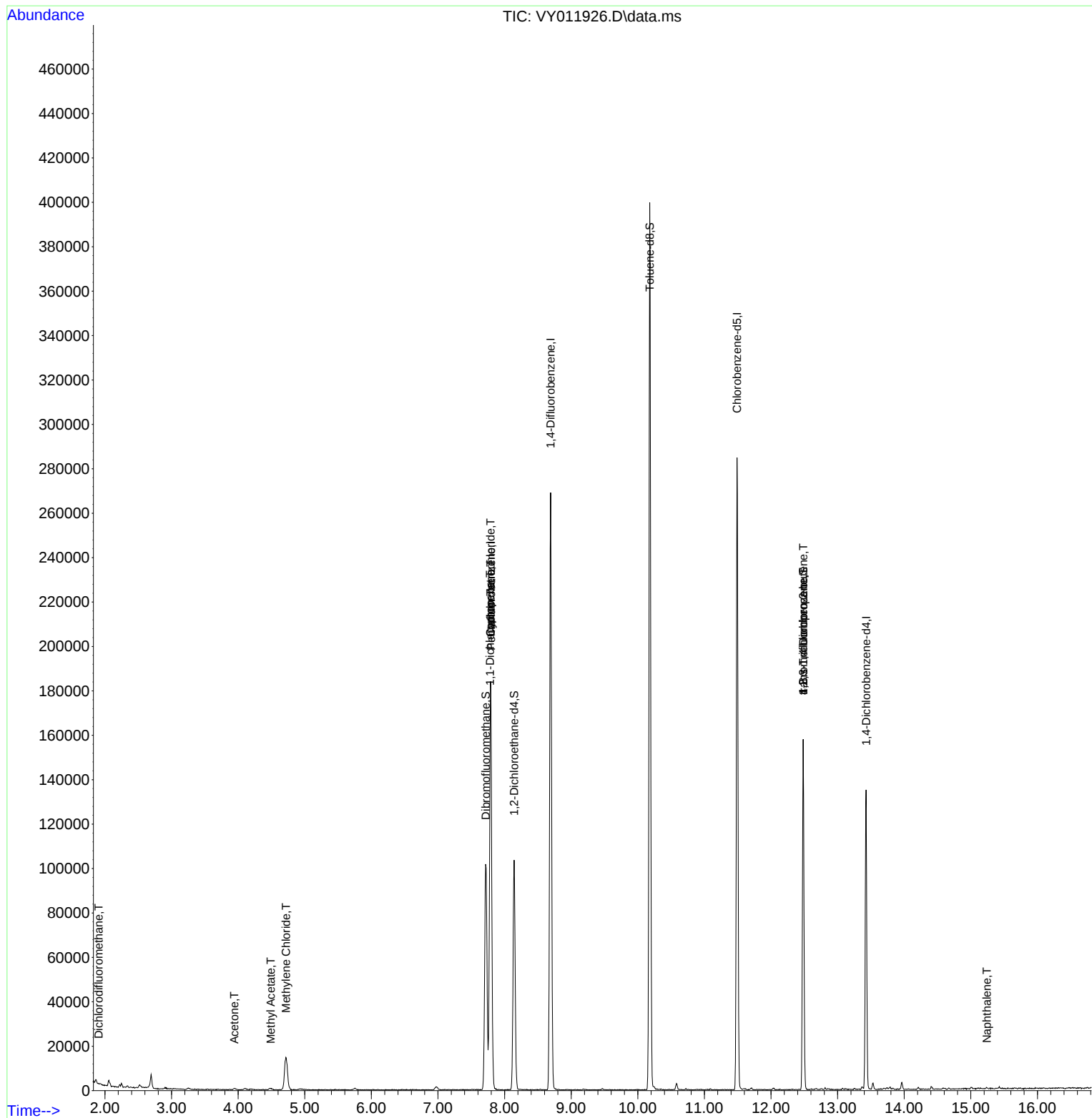
Internal Standards						
1) Pentafluorobenzene	7.795	168	143547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	232117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	158754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	36560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	81958	56.671	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.340%
35) Dibromofluoromethane	7.716	113	73622	52.685	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.360%
50) Toluene-d8	10.179	98	262870	46.365	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.720%
62) 4-Bromofluorobenzene	12.483	95	46277	24.269	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	48.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45	2.505	ug/l #	41
11) Tert butyl alcohol	4.948	59	618	Below Cal	#	74
16) Acetone	3.942	43	680	6.419	ug/l #	78
18) Methyl Acetate	4.491	43	1351	1.352	ug/l	91
20) Methylene Chloride	4.716	84	11819	1.224	ug/l	95
31) Cyclohexane	7.789	56	3174	1.304	ug/l #	50
36) 1,1-Dichloropropene	7.783	75	10385	4.633	ug/l #	49
38) Carbon Tetrachloride	7.789	117	14115	5.452	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	23545	51.755	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	23545	141.732	ug/l #	13
95) Naphthalene	15.239	128	712	3.278	ug/l #	69

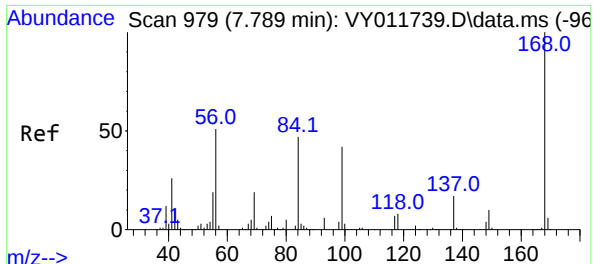
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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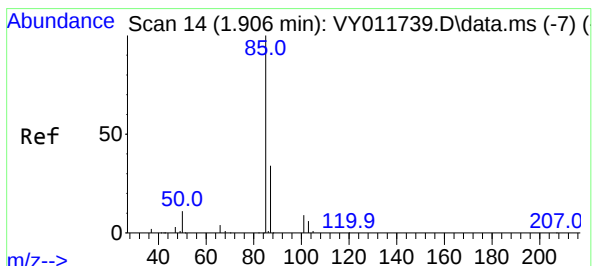
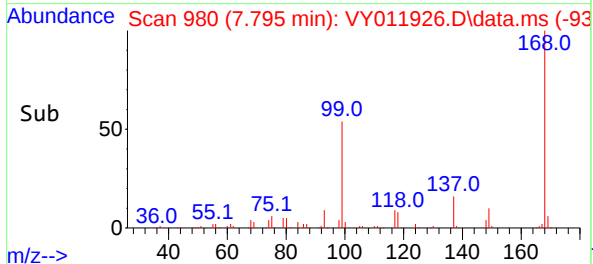
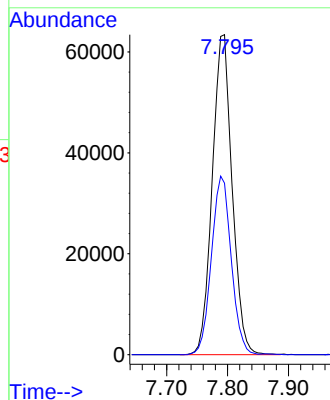
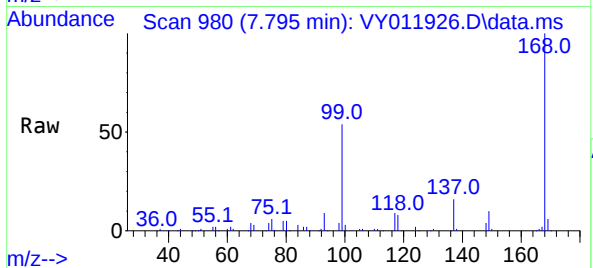




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011926.D
Acq: 20 Dec 2022 16:47

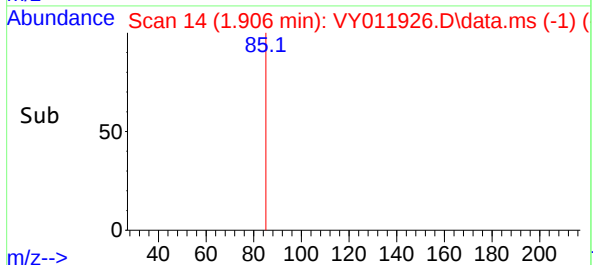
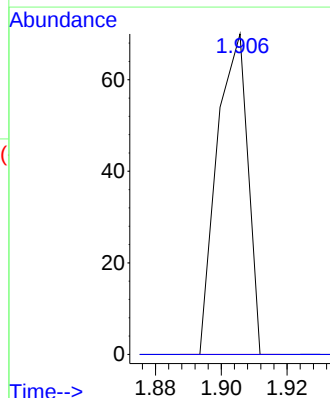
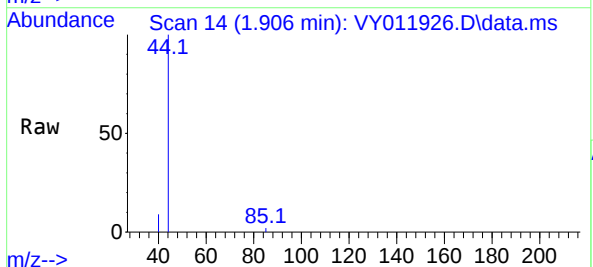
Instrument :
MSVOA_Y
ClientSampleId :
RB-35-(2.5-4.5)RE

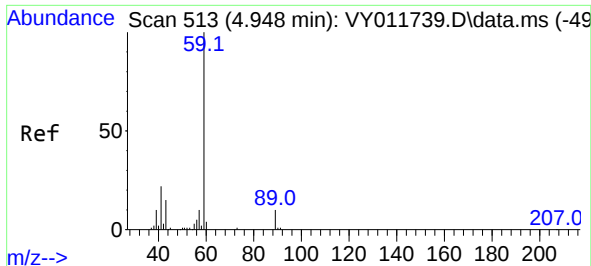
Tgt Ion:168 Resp: 143547
Ion Ratio Lower Upper
168 100
99 53.6 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.505 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011926.D
Acq: 20 Dec 2022 16:47

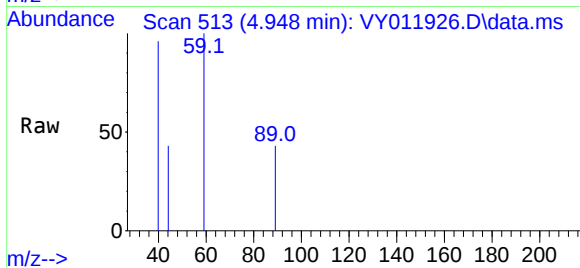
Tgt Ion: 85 Resp: 45
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



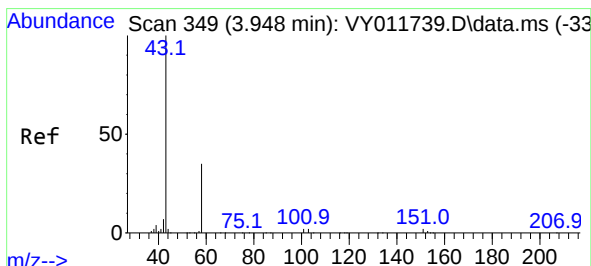
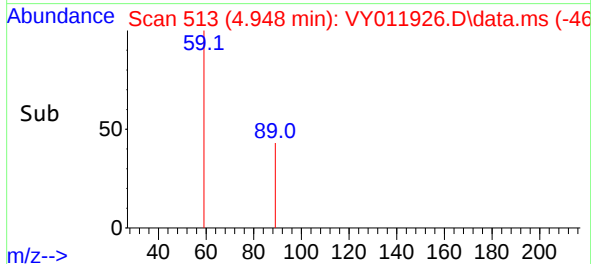
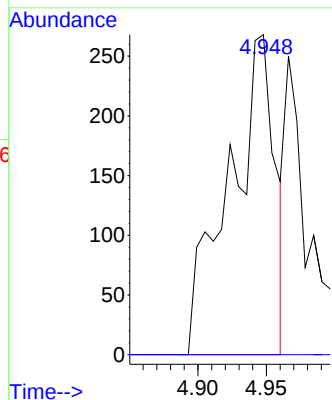


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY011926.D
Acq: 20 Dec 2022 16:47

Instrument :
MSVOA_Y
ClientSampleId :
RB-35-(2.5-4.5)RE

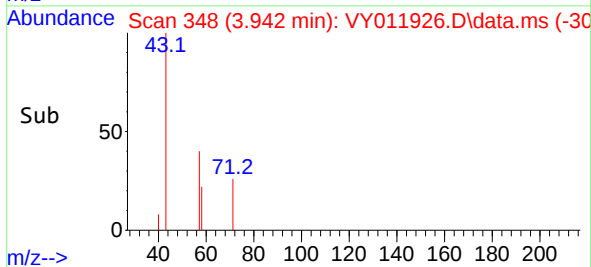
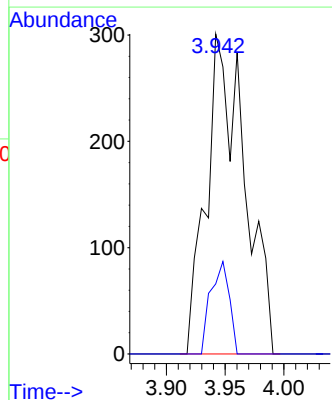
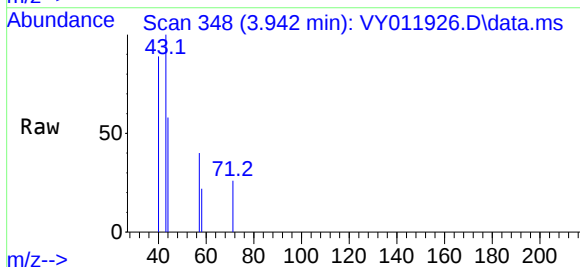


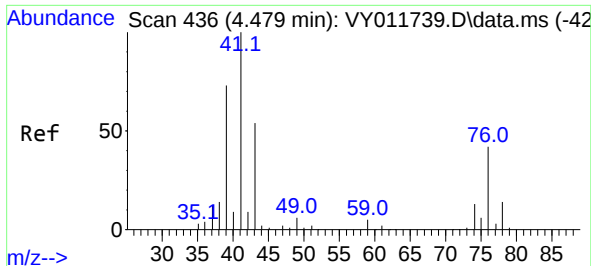
Tgt Ion: 59 Resp: 618
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 6.419 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY011926.D
Acq: 20 Dec 2022 16:47

Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
58 21.9 27.9 41.9#

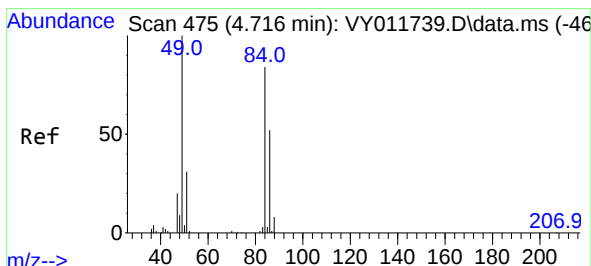
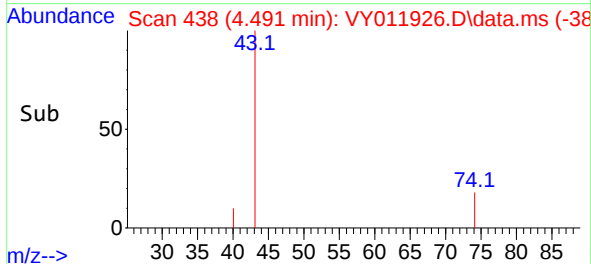
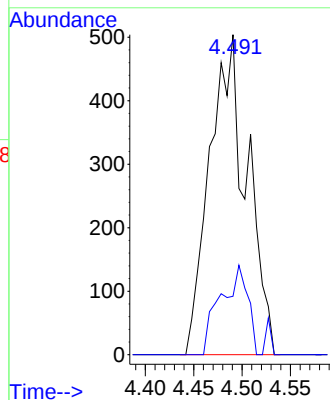
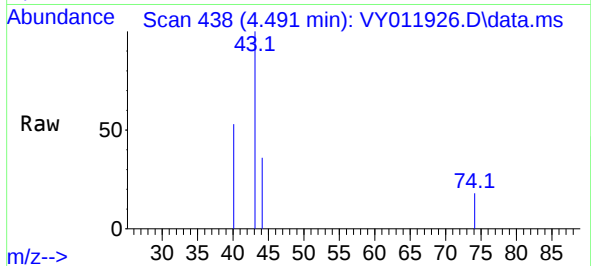




#18
Methyl Acetate
Concen: 1.352 ug/l
RT: 4.491 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY011926.D
Acq: 20 Dec 2022 16:47

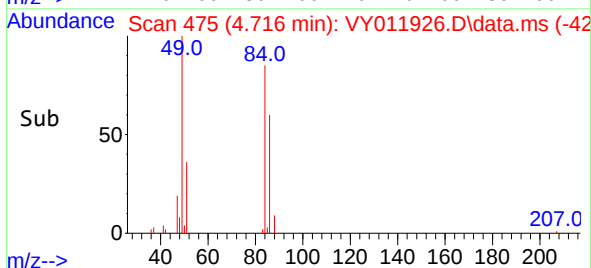
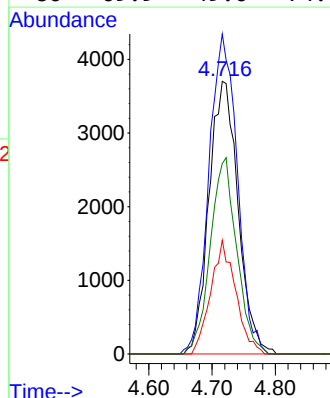
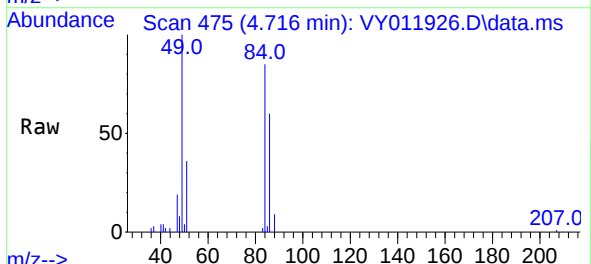
Instrument :
MSVOA_Y
ClientSampleId :
RB-35-(2.5-4.5)RE

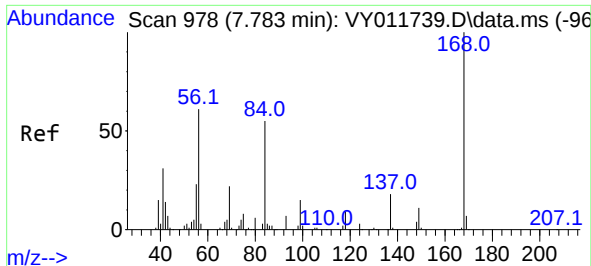
Tgt Ion: 43 Resp: 1351
Ion Ratio Lower Upper
43 100
74 20.4 20.1 30.1



#20
Methylene Chloride
Concen: 1.224 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011926.D
Acq: 20 Dec 2022 16:47

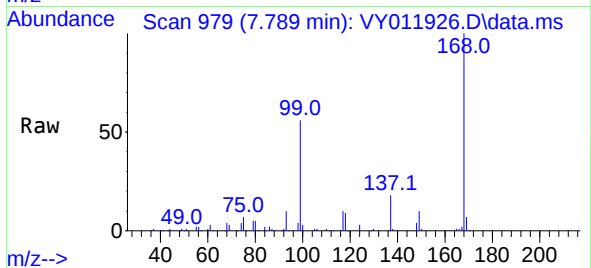
Tgt Ion: 84 Resp: 11819
Ion Ratio Lower Upper
84 100
49 117.4 95.4 143.2
51 41.8 29.9 44.9
86 69.9 49.6 74.4



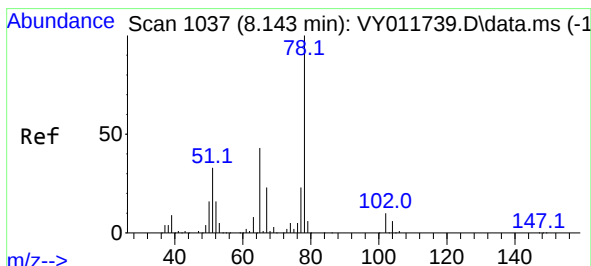
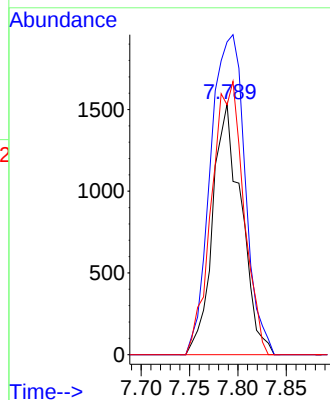
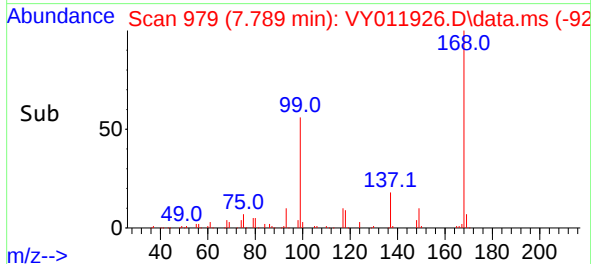


#31
Cyclohexane
Concen: 1.304 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011926.D
Acq: 20 Dec 2022 16:47

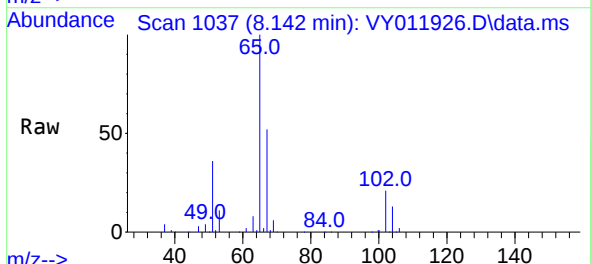
Instrument :
MSVOA_Y
ClientSampleId :
RB-35-(2.5-4.5)RE



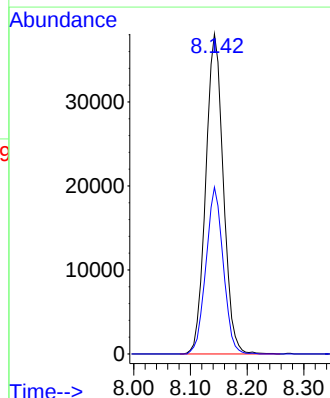
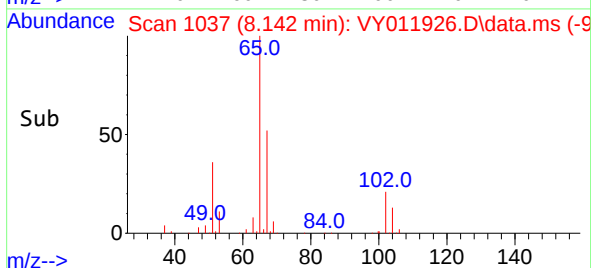
Tgt Ion: 56 Resp: 3174
Ion Ratio Lower Upper
56 100
69 124.8 29.2 43.8#
84 99.6 72.6 108.8

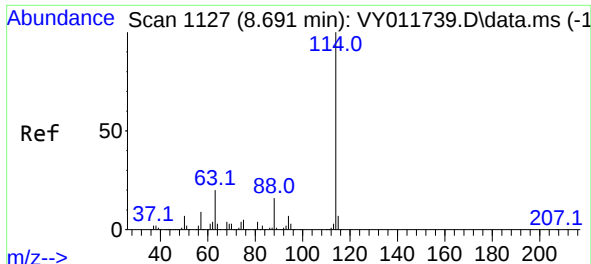


#33
1,2-Dichloroethane-d4
Concen: 56.671 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011926.D
Acq: 20 Dec 2022 16:47



Tgt Ion: 65 Resp: 81958
Ion Ratio Lower Upper
65 100
67 51.2 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: VY011926.D

Acq: 20 Dec 2022 16:47

Instrument :

MSVOA_Y

ClientSampleId :

RB-35-(2.5-4.5)RE

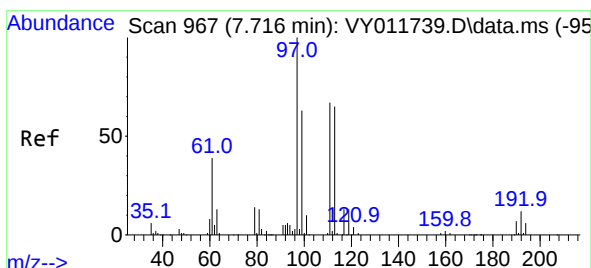
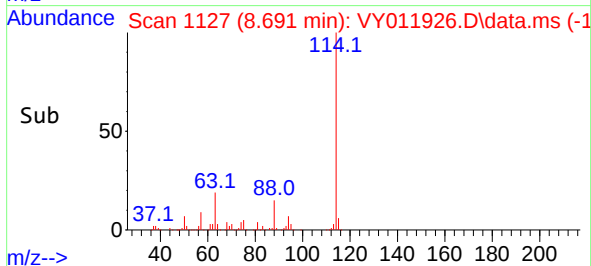
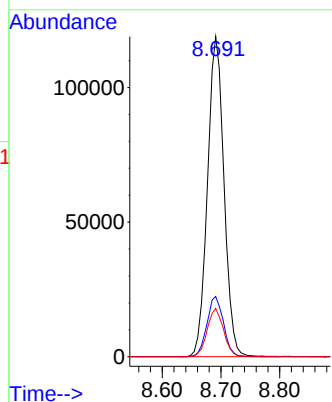
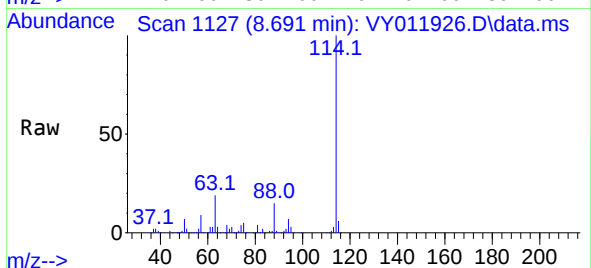
Tgt Ion:114 Resp: 232117

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 52.685 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011926.D

Acq: 20 Dec 2022 16:47

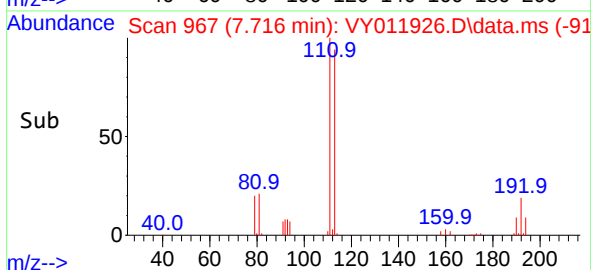
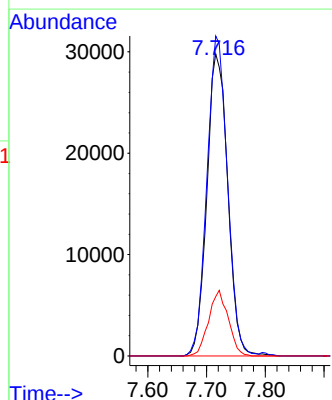
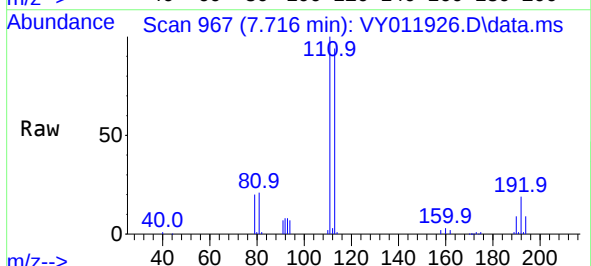
Tgt Ion:113 Resp: 73622

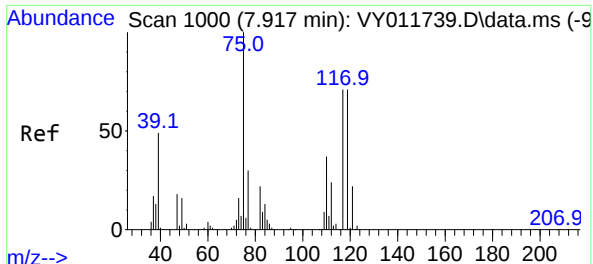
Ion Ratio Lower Upper

113 100

111 103.9 83.0 124.4

192 20.4 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.633 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011926.D

Acq: 20 Dec 2022 16:47

Instrument :

MSVOA_Y

ClientSampleId :

RB-35-(2.5-4.5)RE

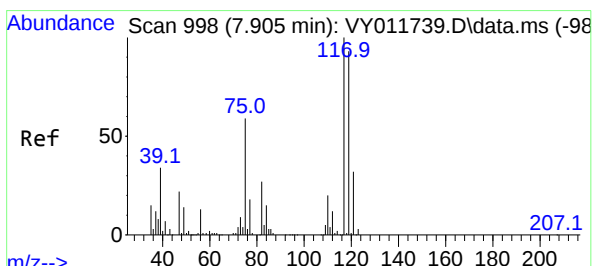
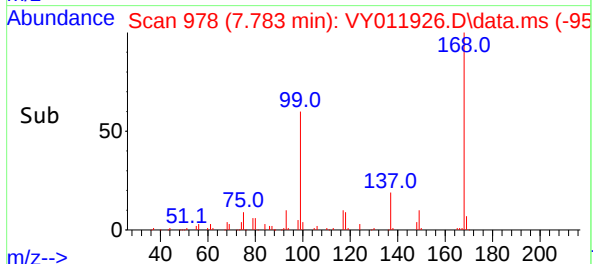
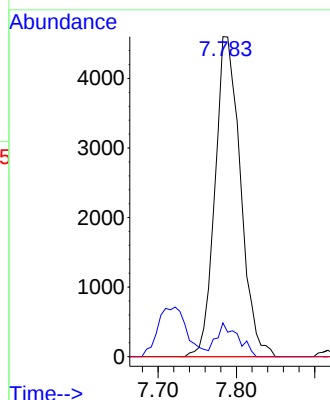
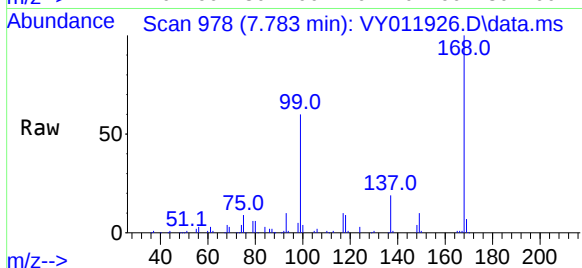
Tgt Ion: 75 Resp: 10385

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.452 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011926.D

Acq: 20 Dec 2022 16:47

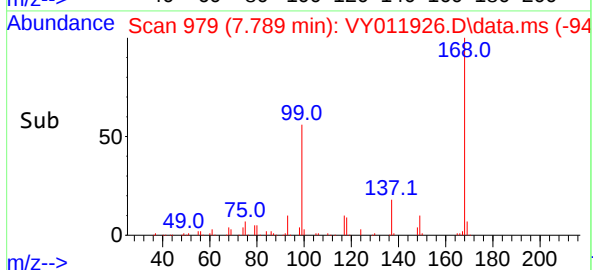
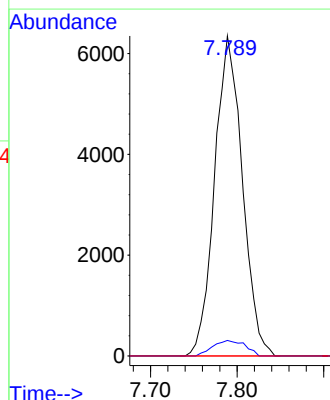
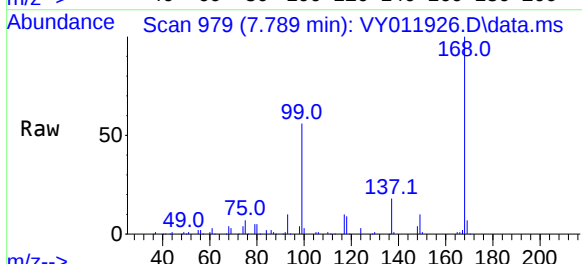
Tgt Ion: 117 Resp: 14115

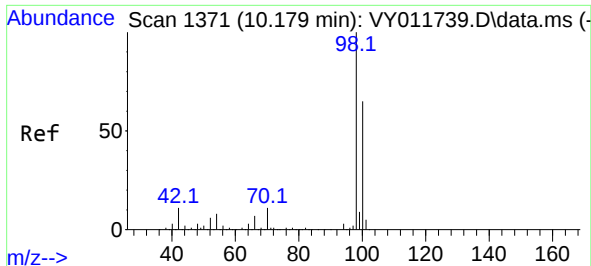
Ion Ratio Lower Upper

117 100

119 4.8 73.8 110.8#

121 0.0 25.2 37.8#

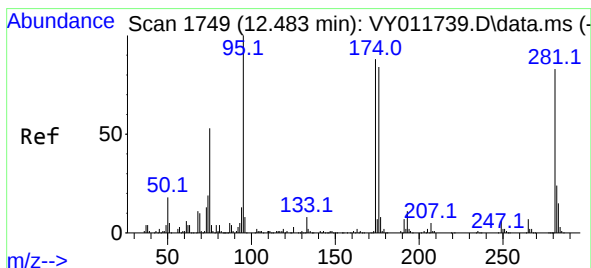
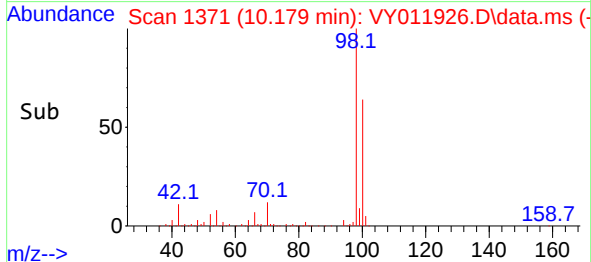
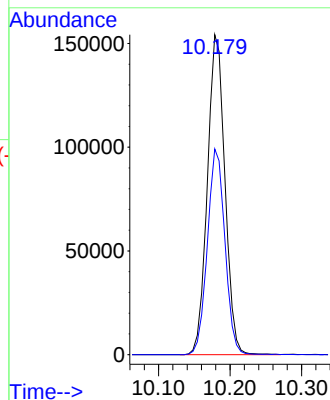
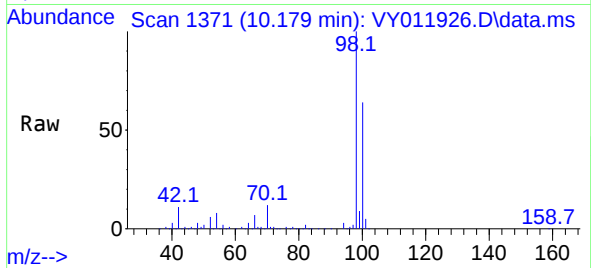




#50
Toluene-d8
Concen: 46.365 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011926.D
Acq: 20 Dec 2022 16:47

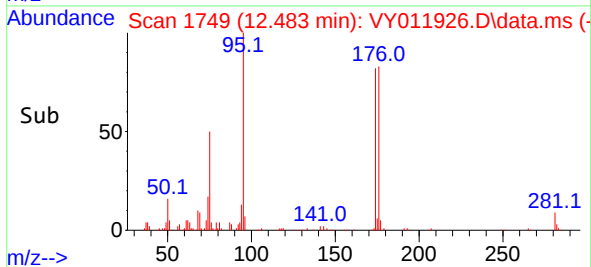
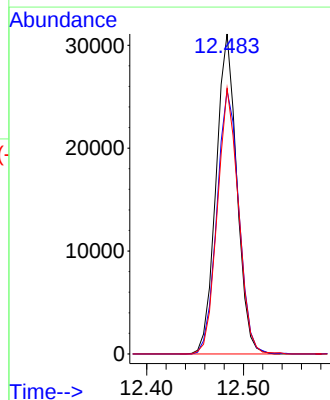
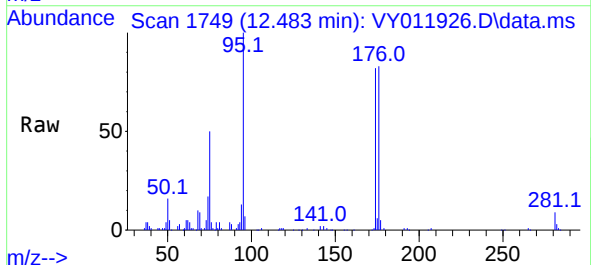
Instrument :
MSVOA_Y
ClientSampleId :
RB-35-(2.5-4.5)RE

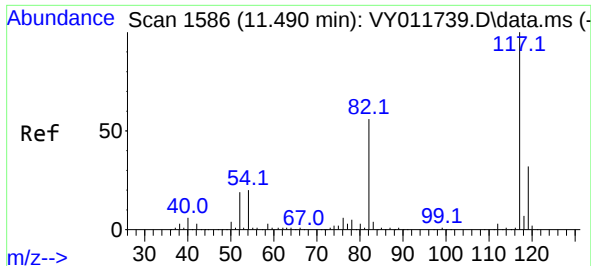
Tgt Ion: 98 Resp: 262870
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 24.269 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011926.D
Acq: 20 Dec 2022 16:47

Tgt Ion: 95 Resp: 46277
Ion Ratio Lower Upper
95 100
174 87.1 0.0 172.0
176 84.1 0.0 167.6

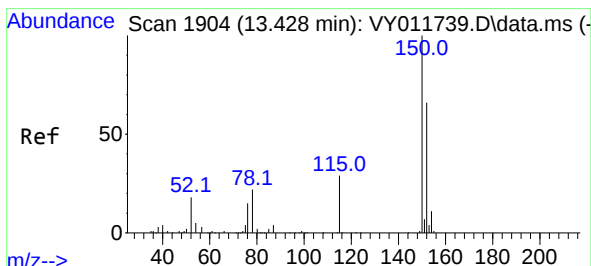
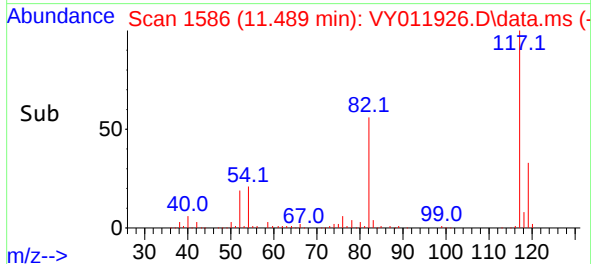
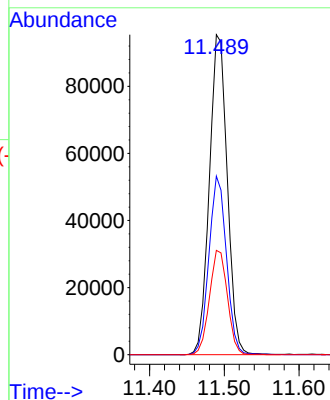
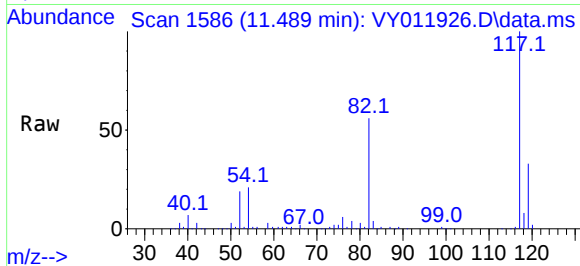




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011926.D
Acq: 20 Dec 2022 16:47

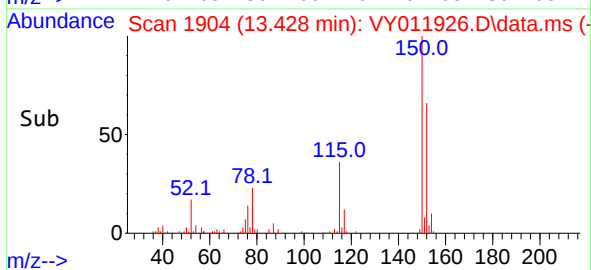
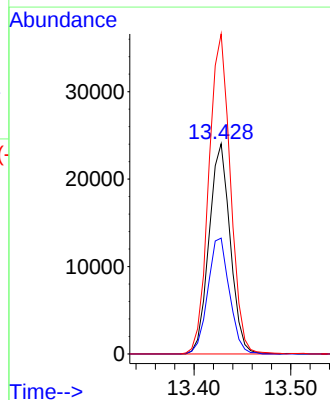
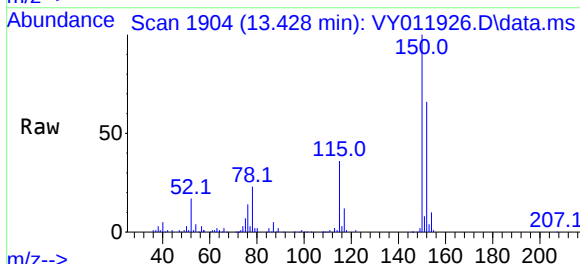
Instrument :
MSVOA_Y
ClientSampleId :
RB-35-(2.5-4.5)RE

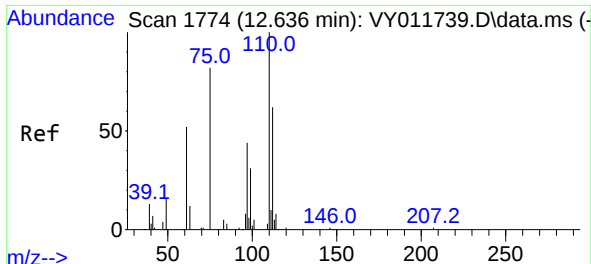
Tgt Ion:117 Resp: 158754
Ion Ratio Lower Upper
117 100
82 55.8 44.8 67.2
119 32.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011926.D
Acq: 20 Dec 2022 16:47

Tgt Ion:152 Resp: 36560
Ion Ratio Lower Upper
152 100
115 56.4 29.1 87.3
150 155.2 0.0 342.6

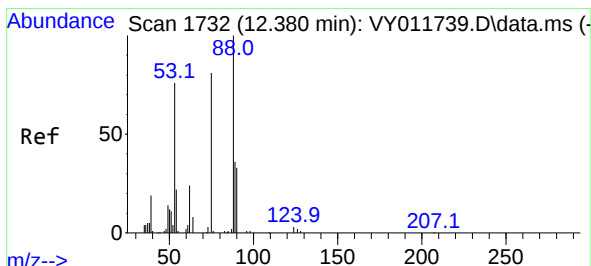
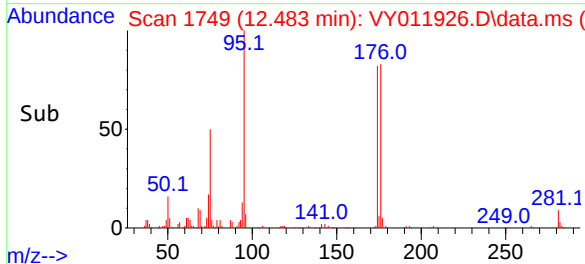
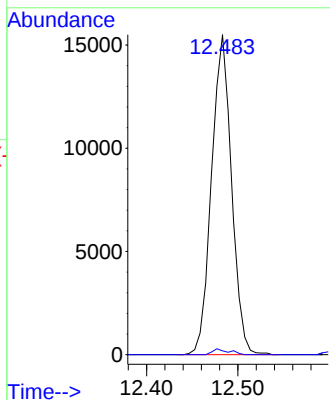
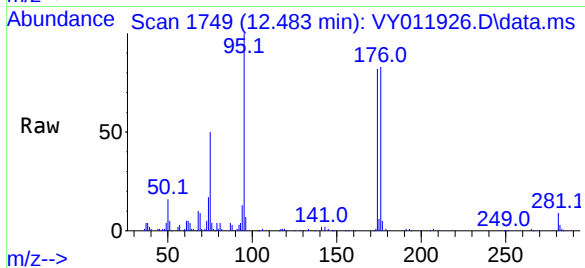




#76
1,2,3-Trichloropropane
Concen: 51.755 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011926.D
Acq: 20 Dec 2022 16:47

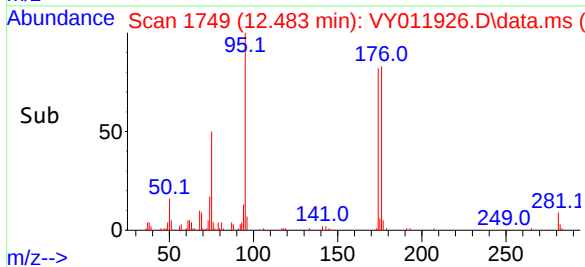
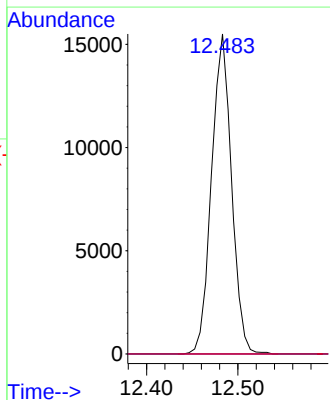
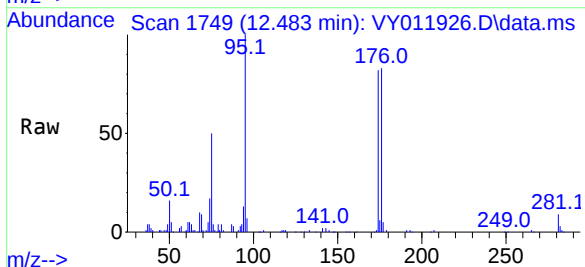
Instrument :
MSVOA_Y
ClientSampleId :
RB-35-(2.5-4.5)RE

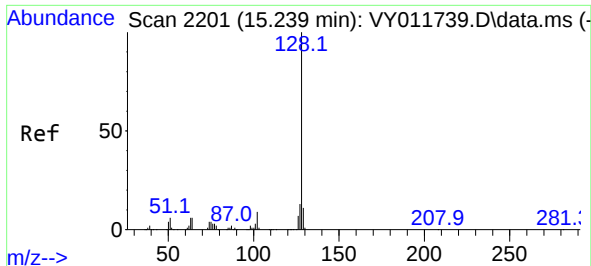
Tgt Ion: 75 Resp: 23545
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.732 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011926.D
Acq: 20 Dec 2022 16:47

Tgt Ion: 75 Resp: 23545
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 3.278 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011926.D

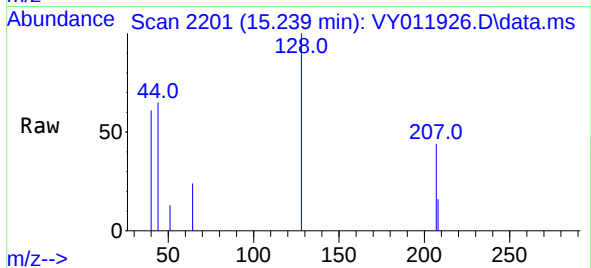
Acq: 20 Dec 2022 16:47

Instrument :

MSVOA_Y

ClientSampleId :

RB-35-(2.5-4.5)RE



Tgt Ion:128 Resp: 712

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#

