

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011883.D
 Acq On : 15 Dec 2022 19:31
 Operator : KP/MD
 Sample : N6038-10RE
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-33-(5-7)

Quant Time: Dec 16 00:16:20 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)

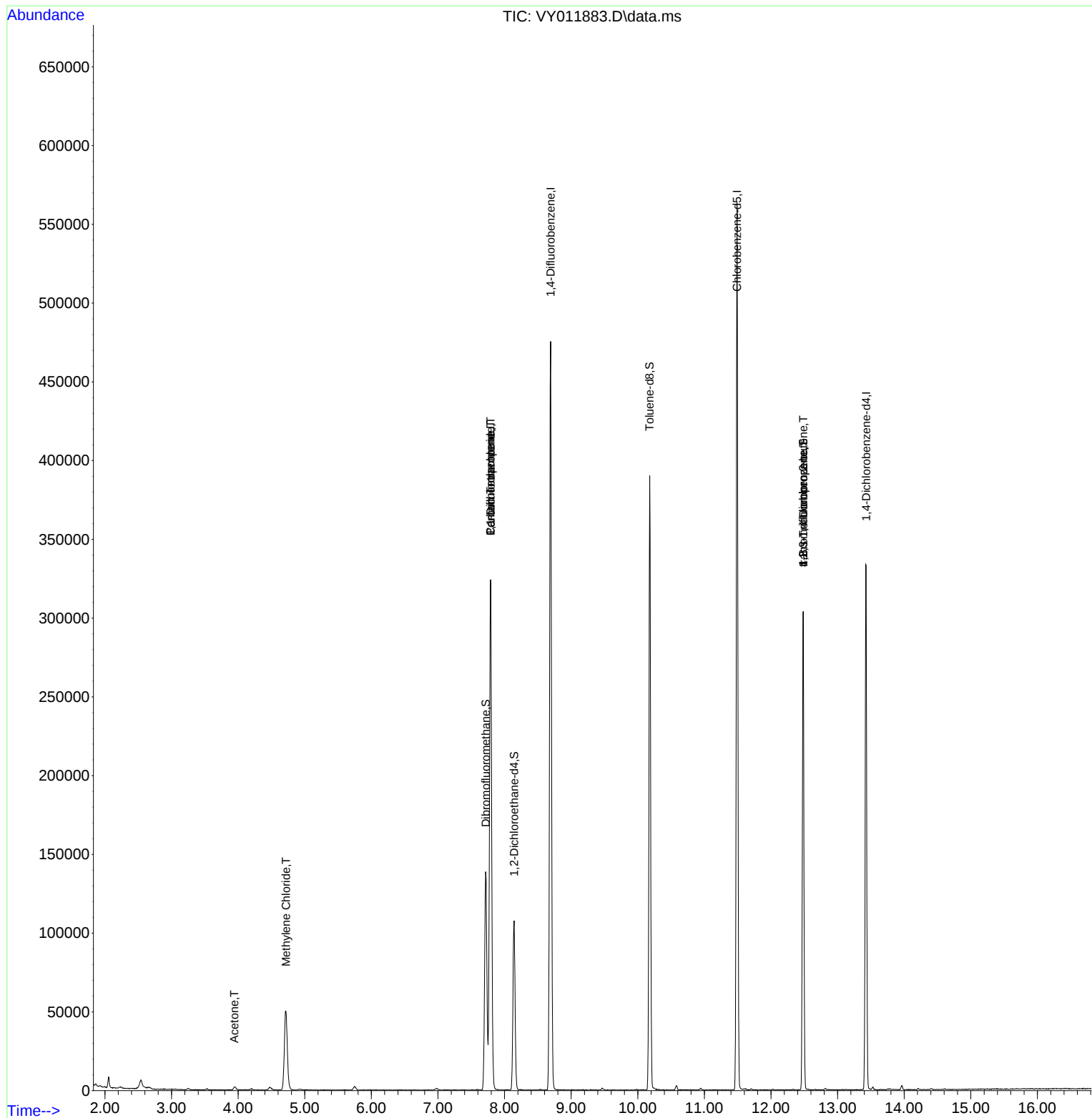
Internal Standards						
1) Pentafluorobenzene	7.789	168	253049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	405554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	301714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	84867	49.058	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.120%
35) Dibromofluoromethane	7.716	113	98712	55.187	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.380%
50) Toluene-d8	10.179	98	255078	42.134	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.260%
62) 4-Bromofluorobenzene	12.483	95	88413	36.355	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	72.720%
Target Compounds						
3) Chloromethane	2.119	50	120	Below Cal	#	41
4) Vinyl Chloride	2.510	62	20	Below Cal	#	43
5) Bromomethane	2.650	94	155	Below Cal	#	39
11) Tert butyl alcohol	4.918	59	260	Below Cal	#	74
16) Acetone	3.942	43	3750	5.427	ug/l #	84
20) Methylene Chloride	4.716	84	39065	11.340	ug/l	95
31) Cyclohexane	7.789	56	5155	Below Cal	#	11
36) 1,1-Dichloropropene	7.789	75	18403	5.980	ug/l #	50
38) Carbon Tetrachloride	7.789	117	25235	6.981	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	45771	49.989	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45771	113.436	ug/l #	13

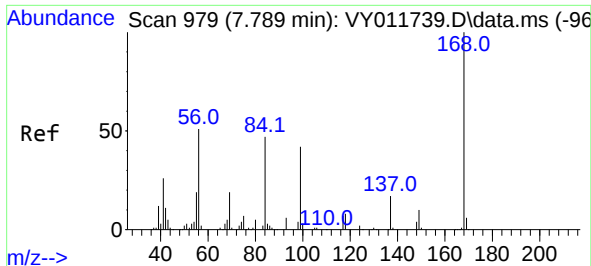
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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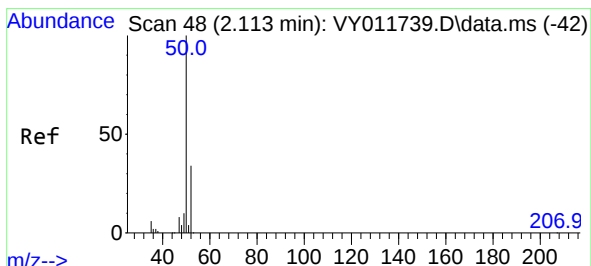
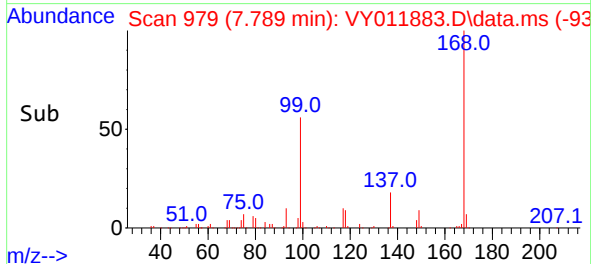
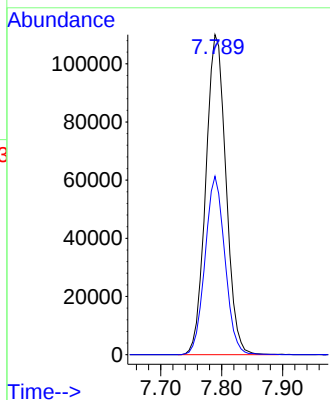
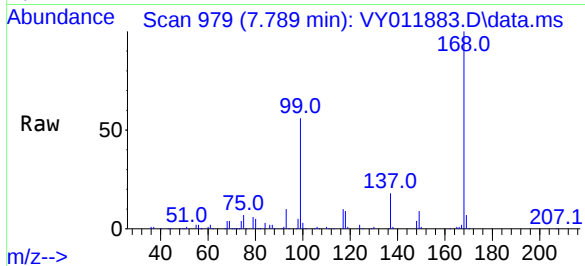




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011883.D
Acq: 15 Dec 2022 19:31

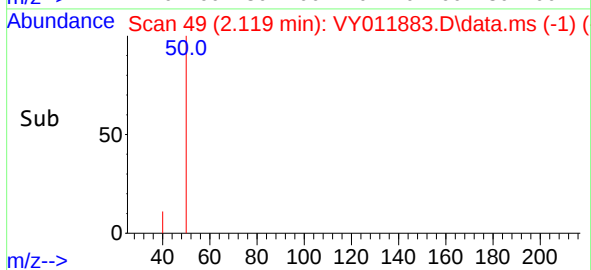
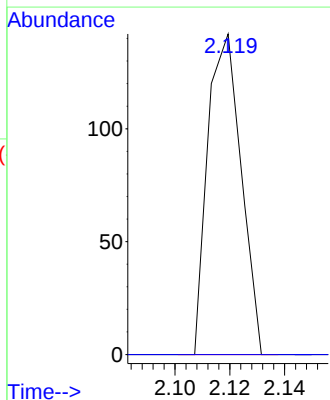
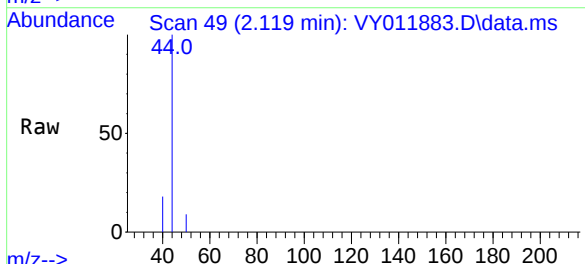
Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(5-7)

Tgt Ion:168 Resp: 253049
Ion Ratio Lower Upper
168 100
99 55.7 44.0 66.0

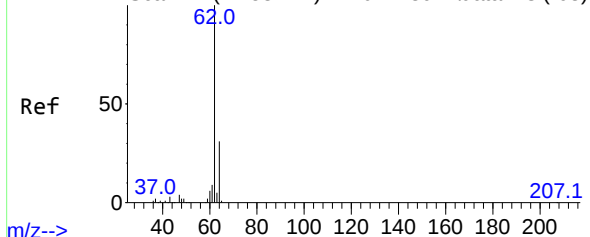


#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011883.D
Acq: 15 Dec 2022 19:31

Tgt Ion: 50 Resp: 120
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



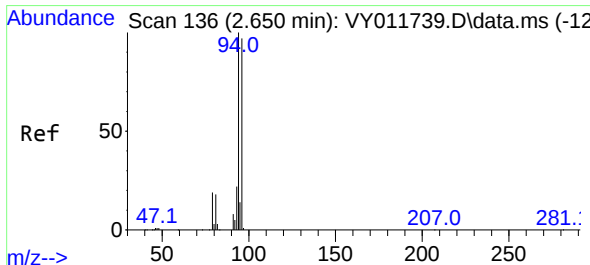
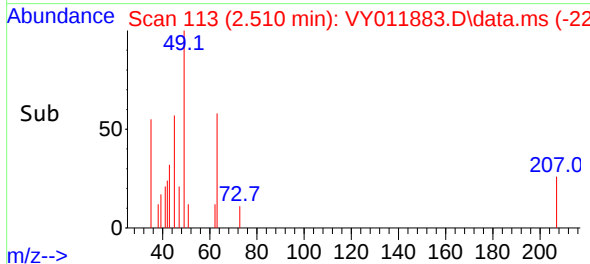
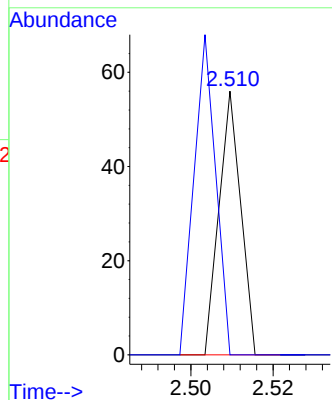
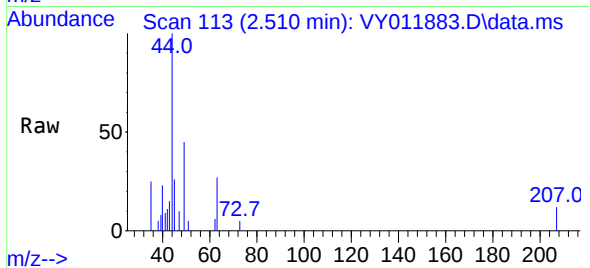
Abundance Scan 71 (2.253 min): VY011739.D\data.ms (-63)



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.510 min Scan# 113
Delta R.T. 0.257 min
Lab File: VY011883.D
Acq: 15 Dec 2022 19:31

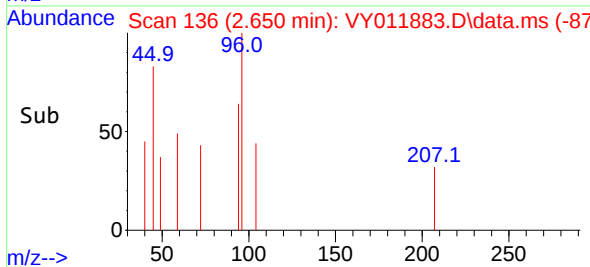
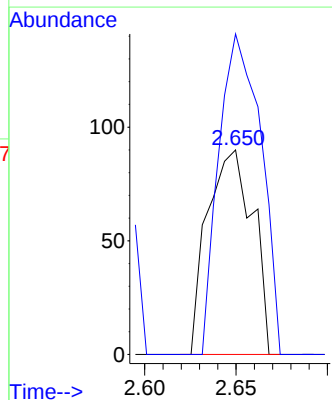
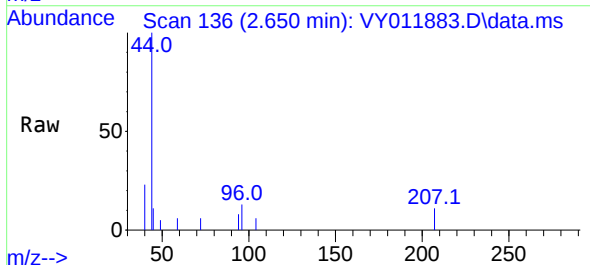
Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(5-7)

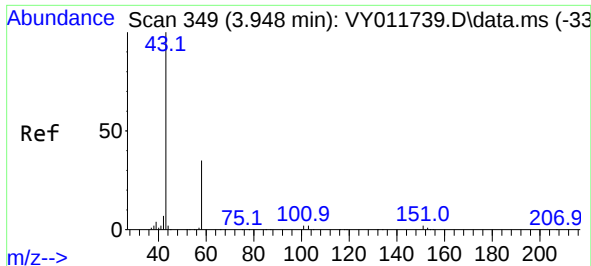
Tgt Ion: 62 Resp: 20
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. -0.000 min
Lab File: VY011883.D
Acq: 15 Dec 2022 19:31

Tgt Ion: 94 Resp: 155
Ion Ratio Lower Upper
94 100
96 156.7 77.4 116.2#

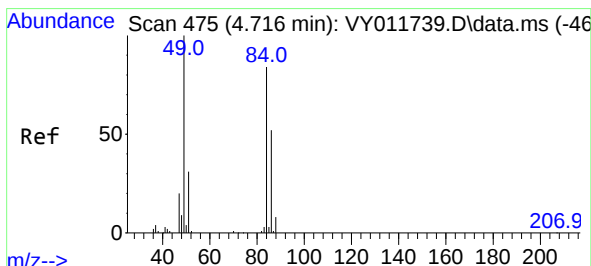
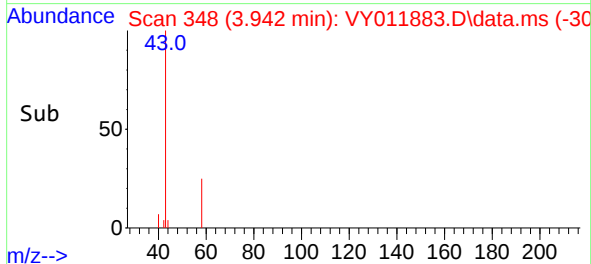
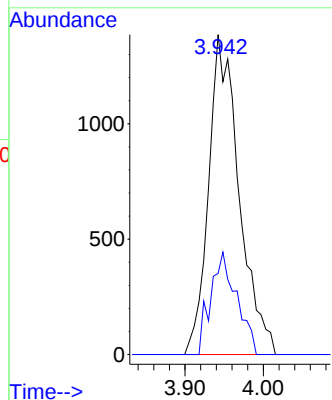
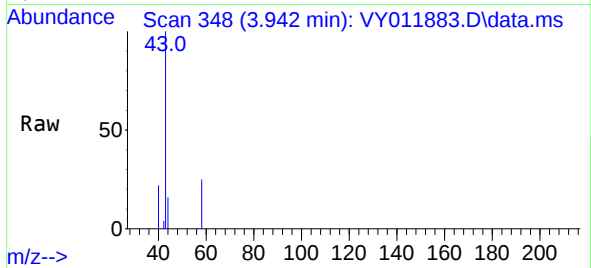




#16
Acetone
Concen: 5.427 ug/l
RT: 3.942 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY011883.D
Acq: 15 Dec 2022 19:31

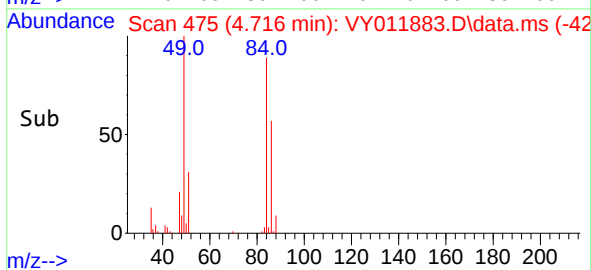
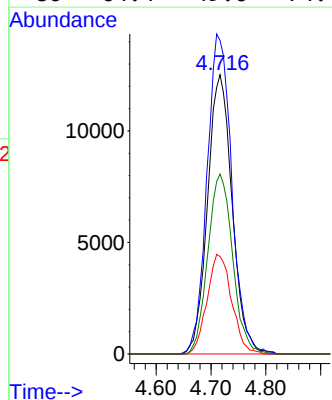
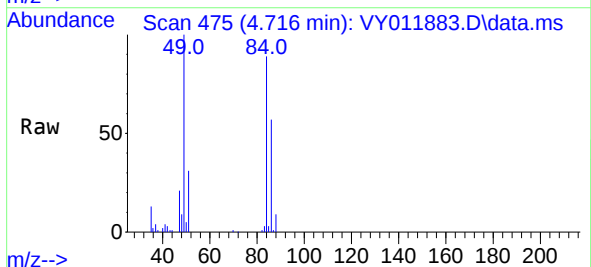
Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(5-7)

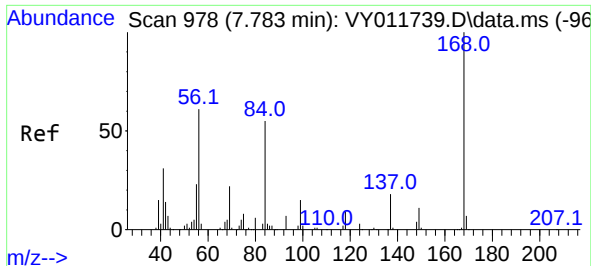
Tgt Ion: 43 Resp: 3750
Ion Ratio Lower Upper
43 100
58 25.4 27.9 41.9#



#20
Methylene Chloride
Concen: 11.340 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011883.D
Acq: 15 Dec 2022 19:31

Tgt Ion: 84 Resp: 39065
Ion Ratio Lower Upper
84 100
49 112.3 95.4 143.2
51 34.9 29.9 44.9
86 64.4 49.6 74.4

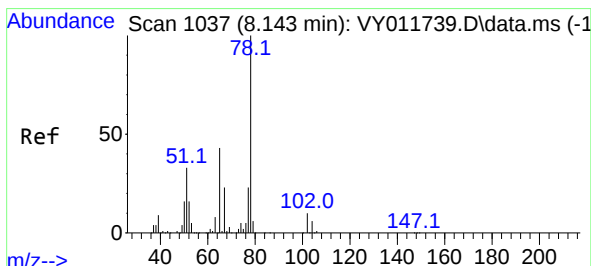
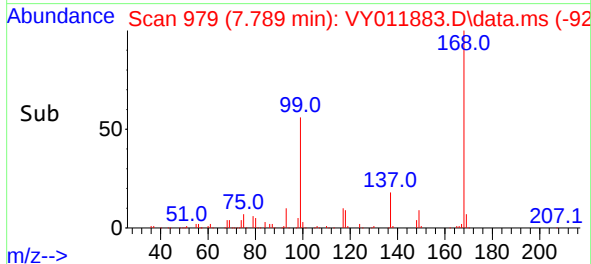
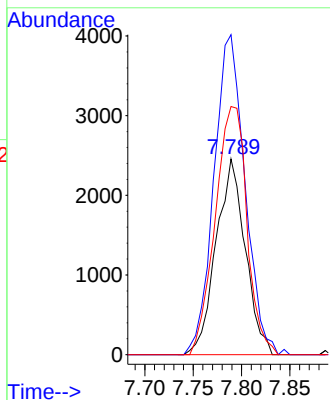
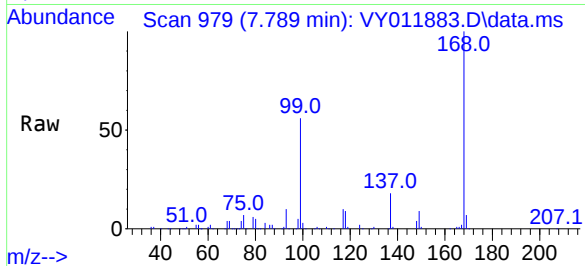




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011883.D
Acq: 15 Dec 2022 19:31

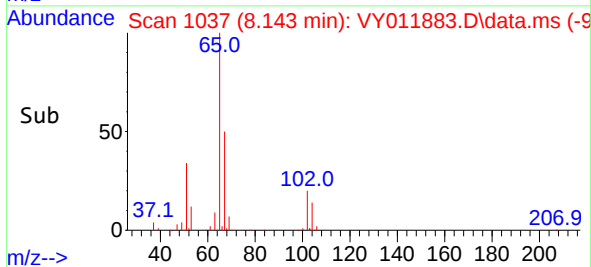
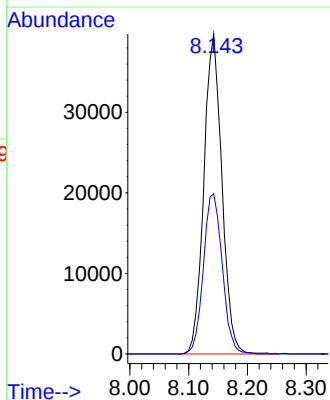
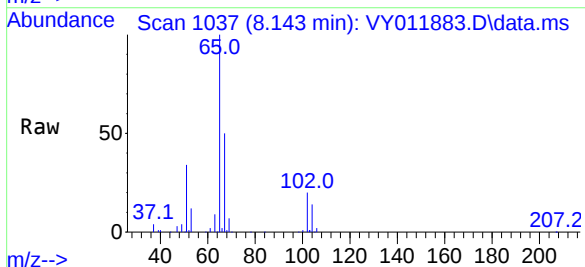
Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(5-7)

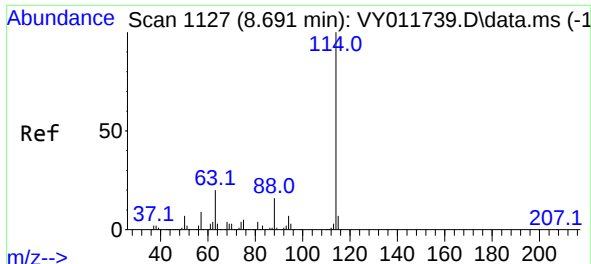
Tgt Ion: 56 Resp: 5155
Ion Ratio Lower Upper
56 100
69 163.6 29.2 43.8#
84 126.8 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 49.058 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011883.D
Acq: 15 Dec 2022 19:31

Tgt Ion: 65 Resp: 84867
Ion Ratio Lower Upper
65 100
67 52.2 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: VY011883.D

Acq: 15 Dec 2022 19:31

Instrument :

MSVOA_Y

ClientSampleId :

RB-33-(5-7)

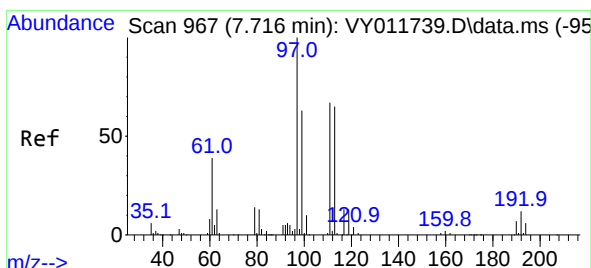
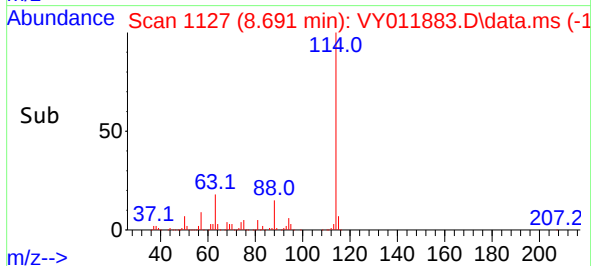
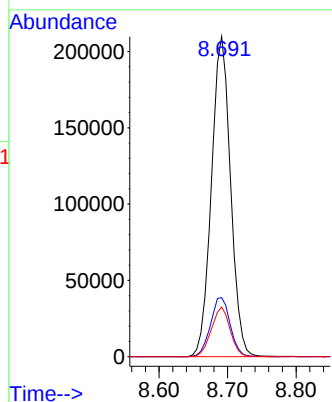
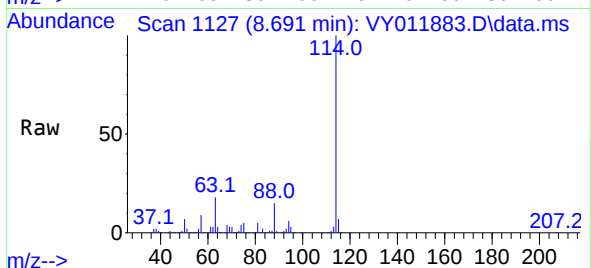
Tgt Ion:114 Resp: 405554

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 15.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 55.187 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011883.D

Acq: 15 Dec 2022 19:31

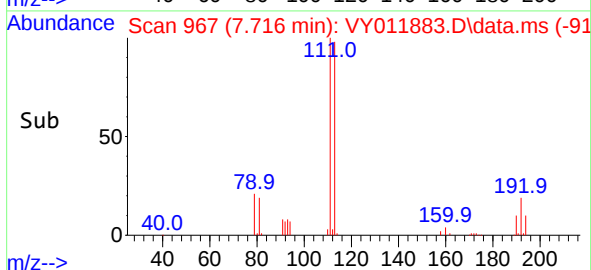
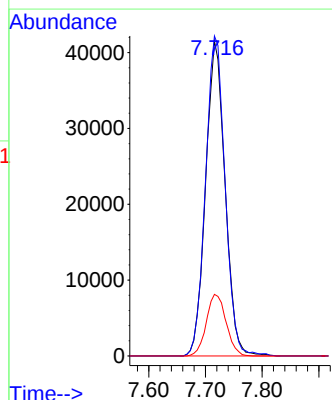
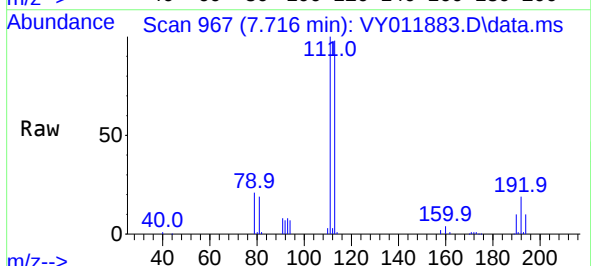
Tgt Ion:113 Resp: 98712

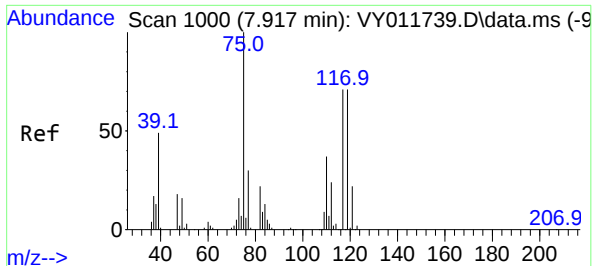
Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

192 19.9 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.980 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011883.D

Acq: 15 Dec 2022 19:31

Instrument :

MSVOA_Y

ClientSampleId :

RB-33-(5-7)

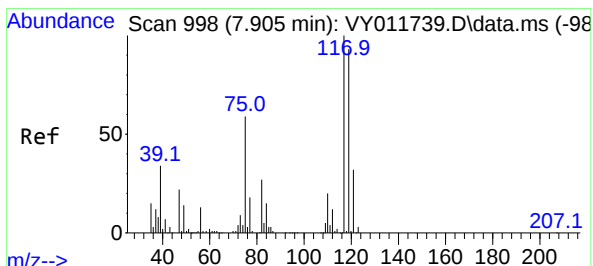
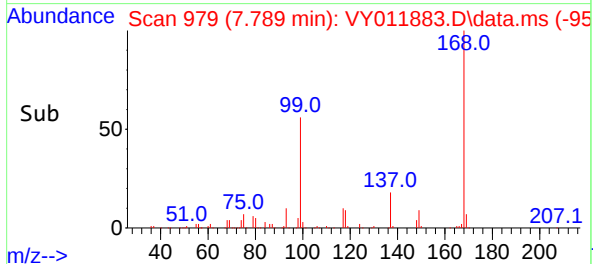
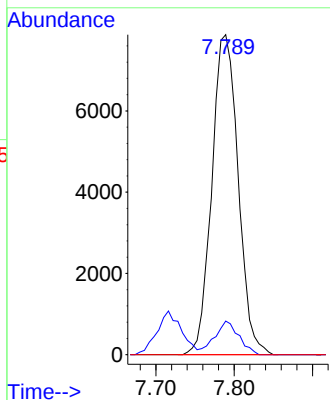
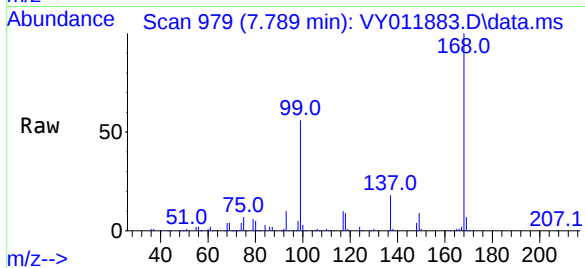
Tgt Ion: 75 Resp: 18403

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.981 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011883.D

Acq: 15 Dec 2022 19:31

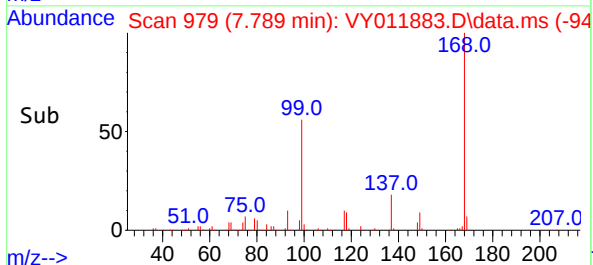
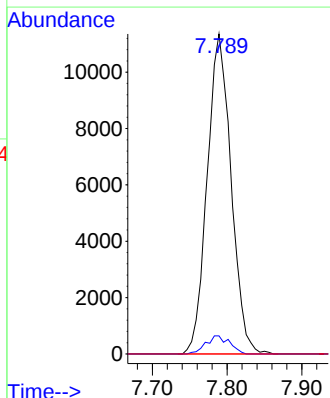
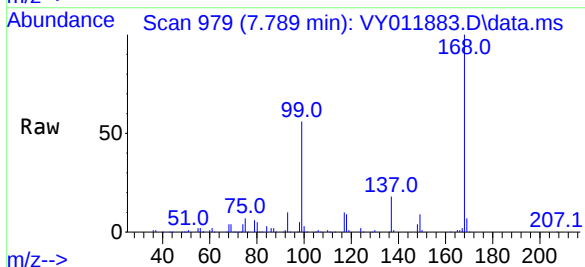
Tgt Ion: 117 Resp: 25235

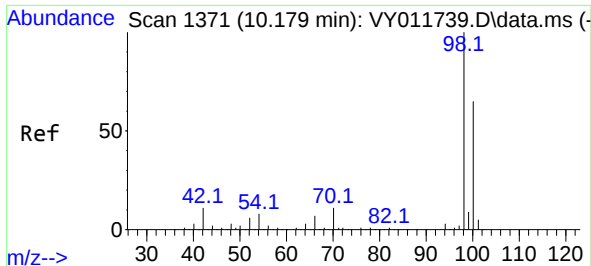
Ion Ratio Lower Upper

117 100

119 5.7 73.8 110.8#

121 0.0 25.2 37.8#

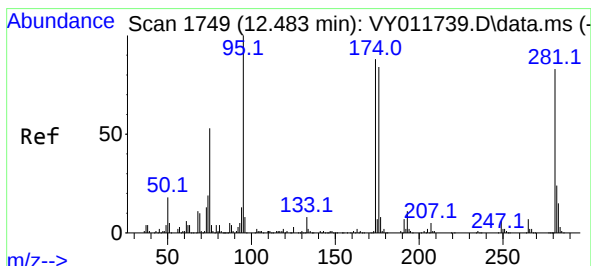
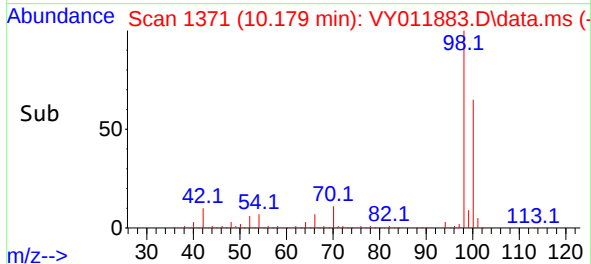
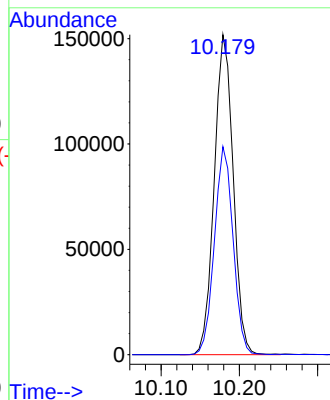
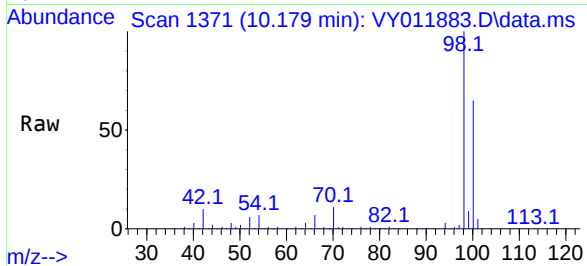




#50
Toluene-d8
Concen: 42.134 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011883.D
Acq: 15 Dec 2022 19:31

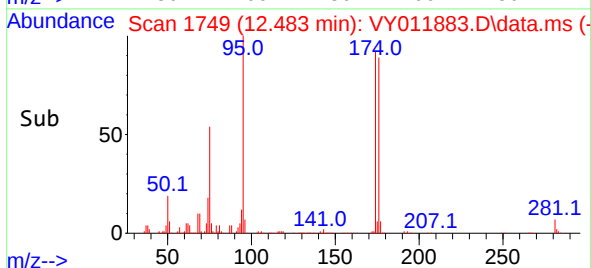
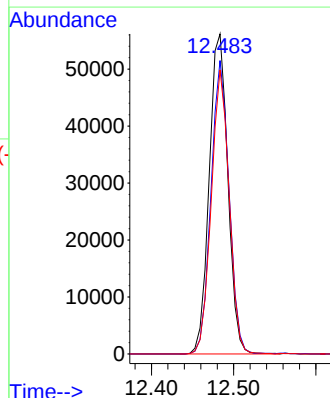
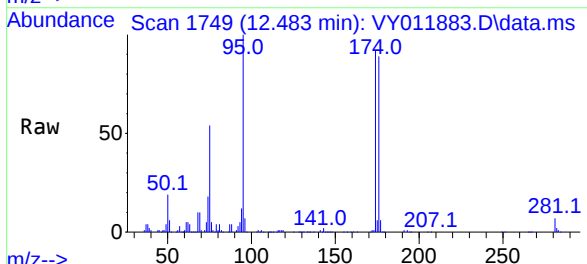
Instrument :
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ClientSampleId :
RB-33-(5-7)

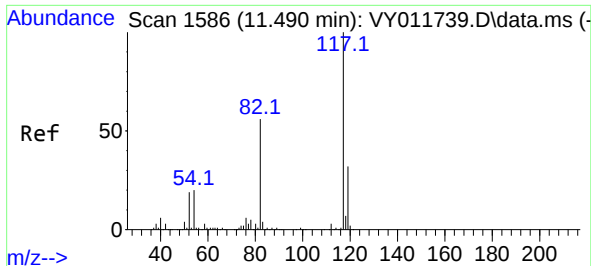
Tgt Ion: 98 Resp: 255078
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 36.355 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011883.D
Acq: 15 Dec 2022 19:31

Tgt Ion: 95 Resp: 88413
Ion Ratio Lower Upper
95 100
174 88.9 0.0 172.0
176 85.3 0.0 167.6

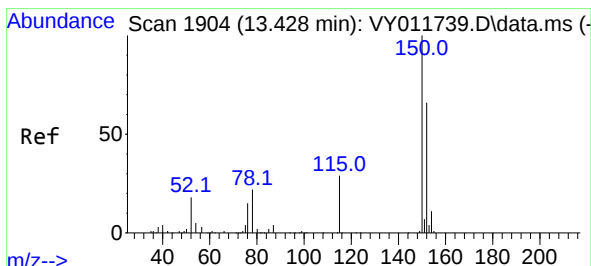
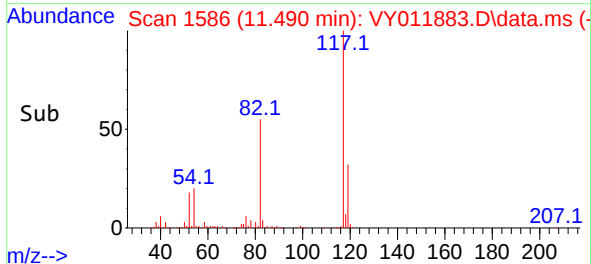
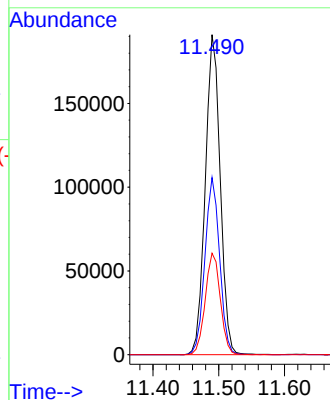
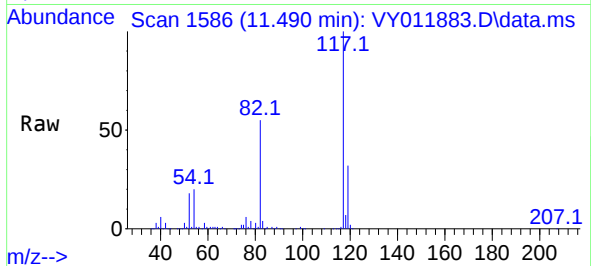




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY011883.D
Acq: 15 Dec 2022 19:31

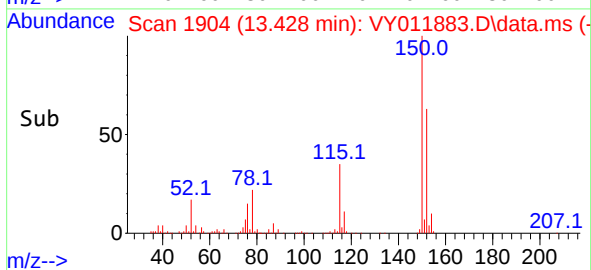
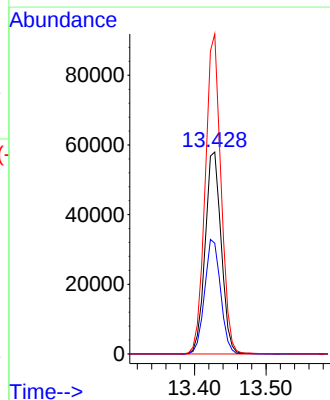
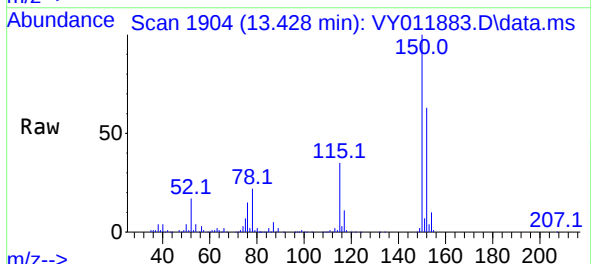
Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(5-7)

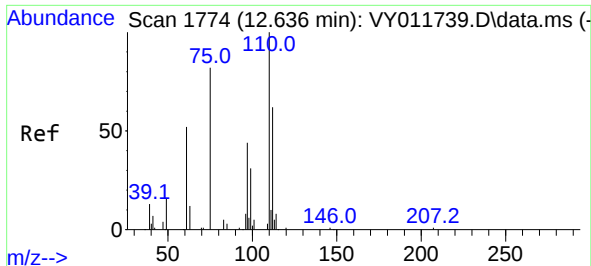
Tgt Ion:117 Resp: 301714
Ion Ratio Lower Upper
117 100
82 55.4 44.8 67.2
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011883.D
Acq: 15 Dec 2022 19:31

Tgt Ion:152 Resp: 90499
Ion Ratio Lower Upper
152 100
115 56.2 29.1 87.3
150 155.2 0.0 342.6

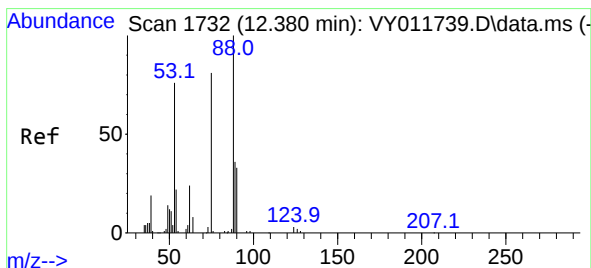
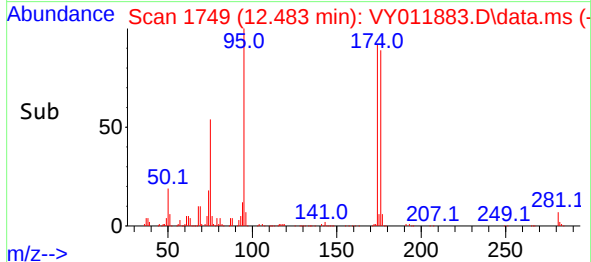
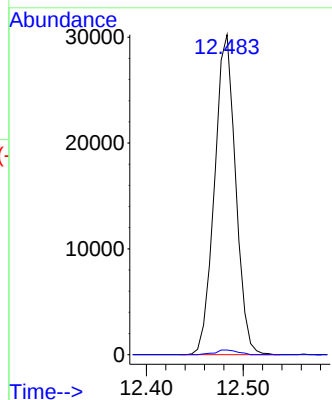
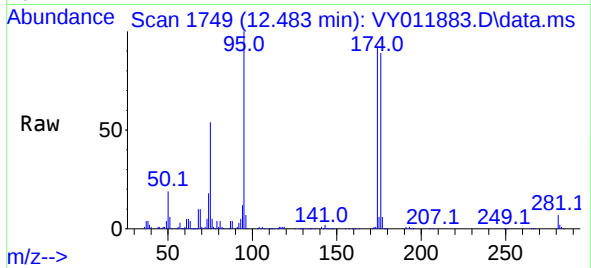




#76
1,2,3-Trichloropropane
Concen: 49.989 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011883.D
Acq: 15 Dec 2022 19:31

Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(5-7)

Tgt Ion: 75 Resp: 45771
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.436 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011883.D
Acq: 15 Dec 2022 19:31

Tgt Ion: 75 Resp: 45771
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

