

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011828.D
 Acq On : 14 Dec 2022 05:46
 Operator : KP/MD
 Sample : N6037-24
 Misc : 4.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-28-(5-7)

Quant Time: Dec 14 06:16:54 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)

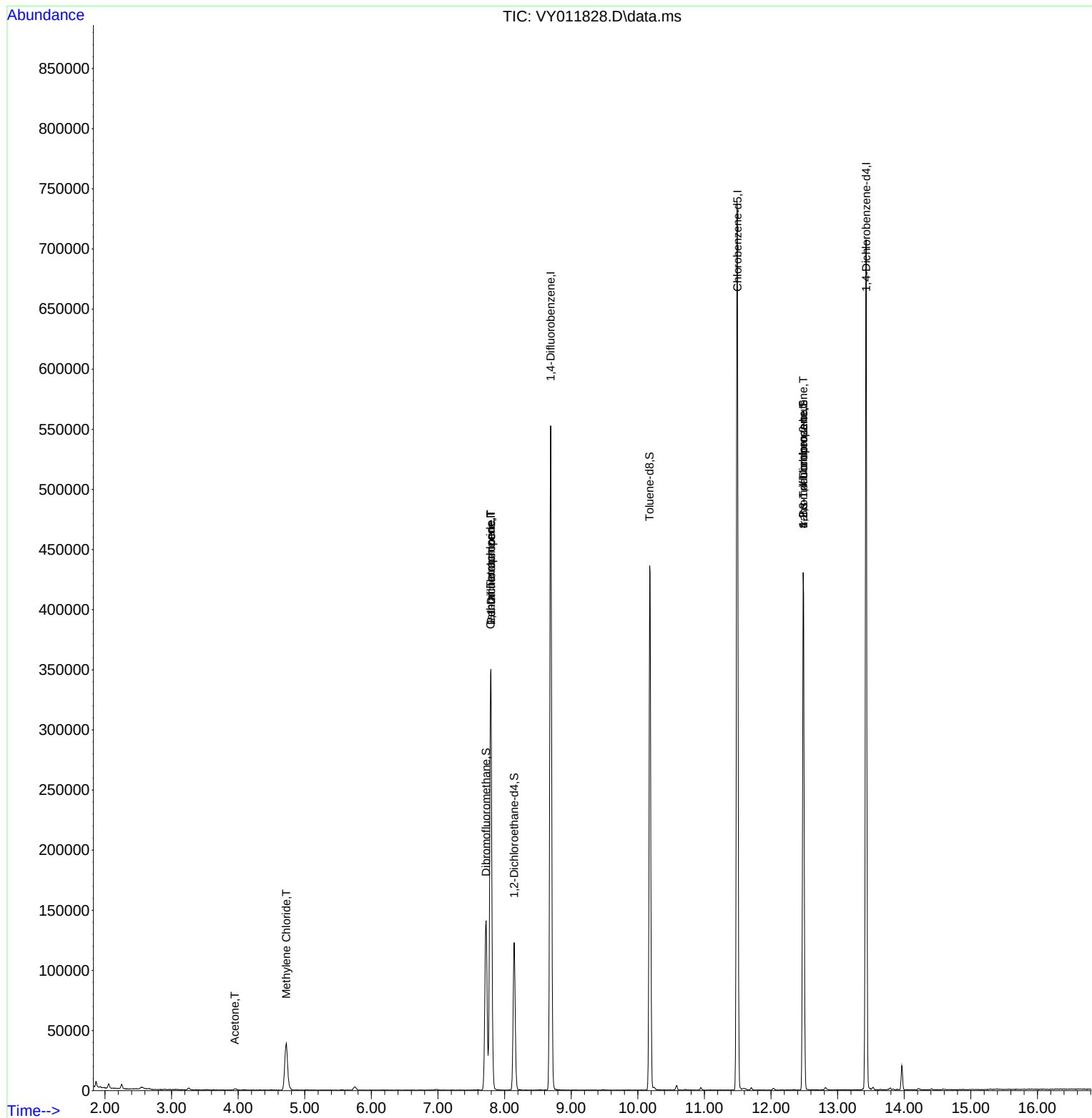
Internal Standards						
1) Pentafluorobenzene	7.795	168	266931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	465442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	408013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	179103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	94793	52.258	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.520%	
35) Dibromofluoromethane	7.722	113	100939	48.711	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.420%	
50) Toluene-d8	10.179	98	293064	42.188	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 84.380%	
62) 4-Bromofluorobenzene	12.483	95	110371	39.986	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	134	Below Cal	#	41
5) Bromomethane	2.668	94	74	Below Cal		98
11) Tert butyl alcohol	4.960	59	110	Below Cal	#	74
16) Acetone	3.948	43	2087	2.863	ug/l	92
18) Methyl Acetate	4.485	43	241	Below Cal	#	50
20) Methylene Chloride	4.722	84	29543	6.245	ug/l	99
31) Cyclohexane	7.795	56	5642	Below Cal	#	1
36) 1,1-Dichloropropene	7.795	75	20208	5.721	ug/l #	50
38) Carbon Tetrachloride	7.789	117	27184	6.552	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	59302	32.726	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59302	74.263	ug/l #	13

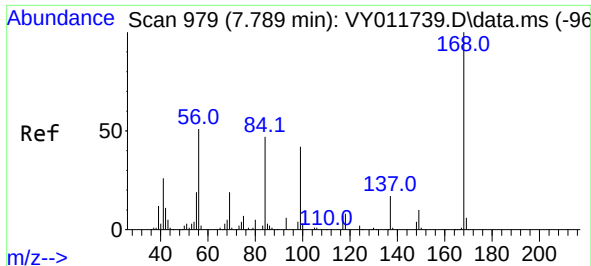
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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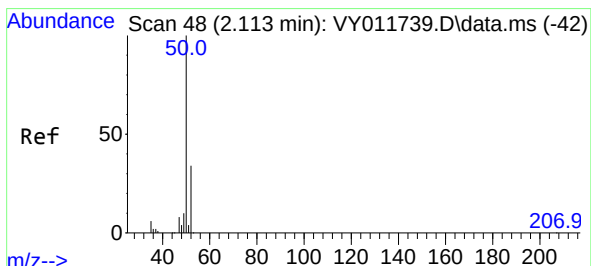
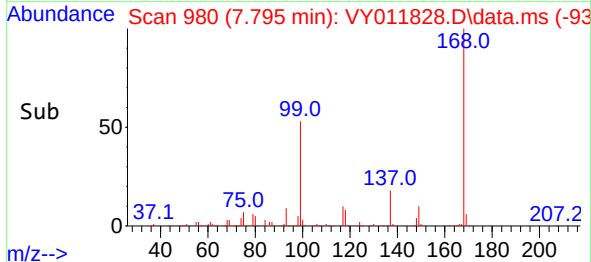
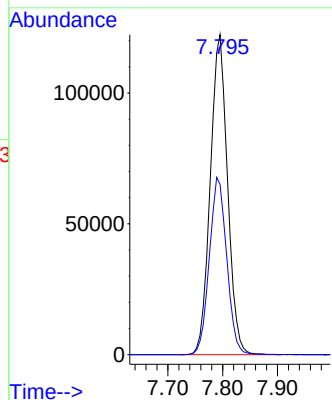
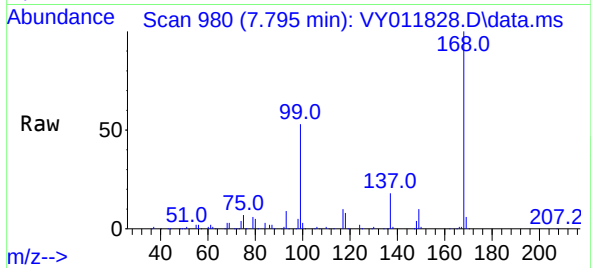




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011828.D
Acq: 14 Dec 2022 05:46

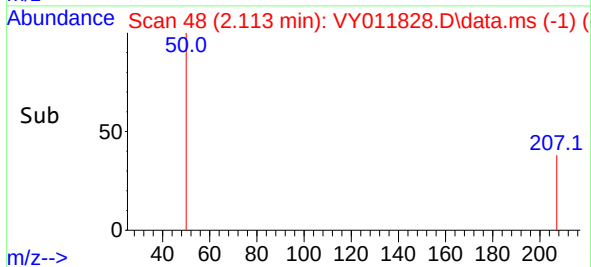
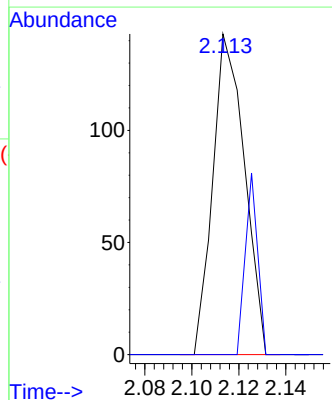
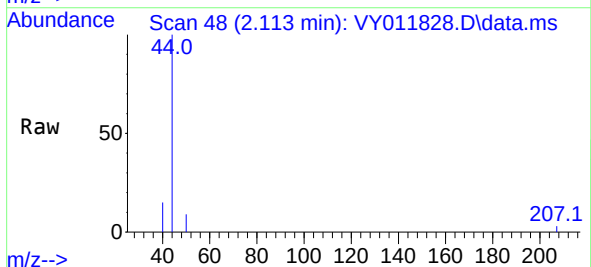
Instrument :
MSVOA_Y
ClientSampleId :
RB-28-(5-7)

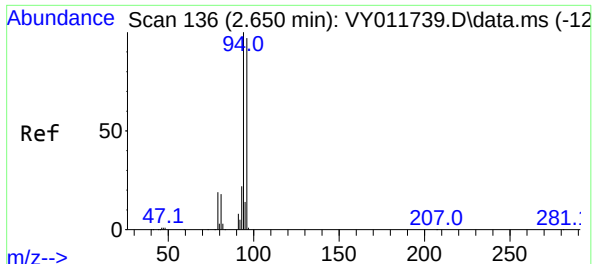
Tgt Ion:168 Resp: 266931
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011828.D
Acq: 14 Dec 2022 05:46

Tgt Ion: 50 Resp: 134
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

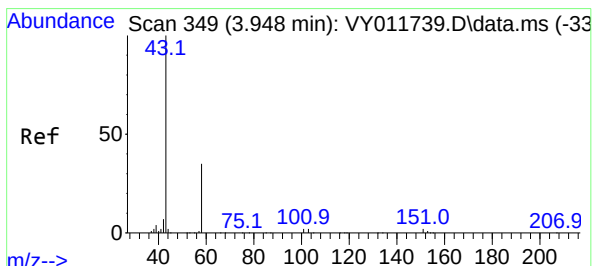
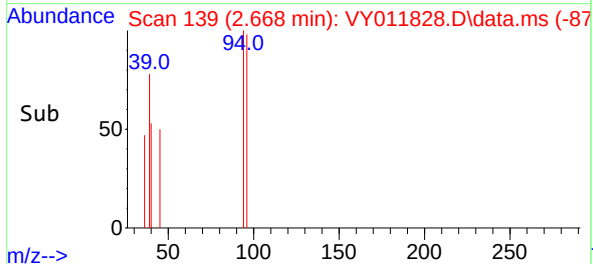
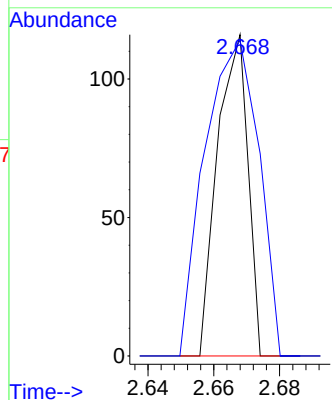
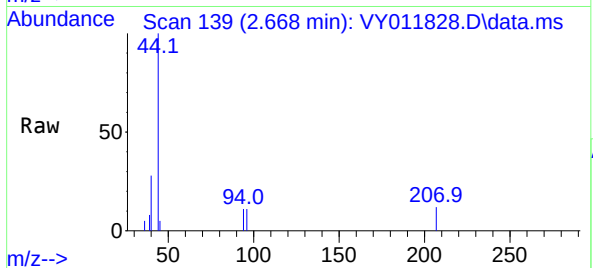




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011828.D
Acq: 14 Dec 2022 05:46

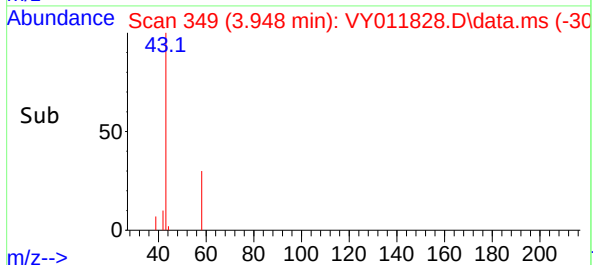
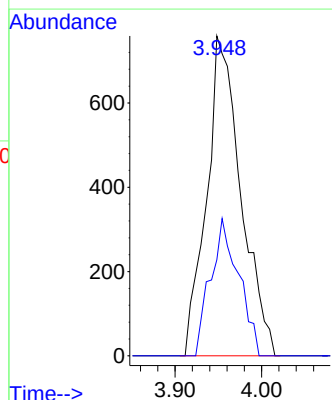
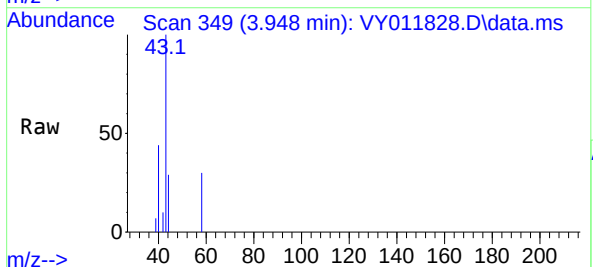
Instrument :
MSVOA_Y
ClientSampleId :
RB-28-(5-7)

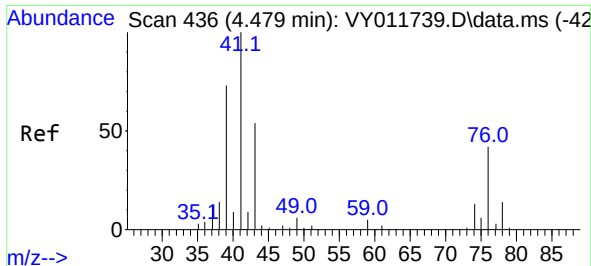
Tgt Ion: 94 Resp: 74
Ion Ratio Lower Upper
94 100
96 98.3 77.4 116.2



#16
Acetone
Concen: 2.863 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011828.D
Acq: 14 Dec 2022 05:46

Tgt Ion: 43 Resp: 2087
Ion Ratio Lower Upper
43 100
58 30.0 27.9 41.9

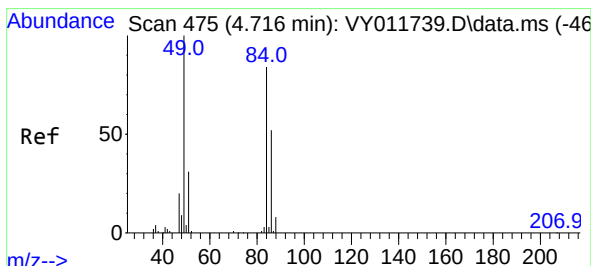
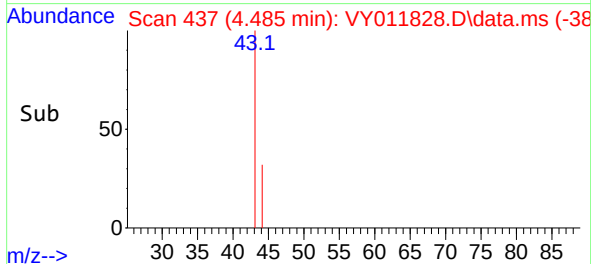
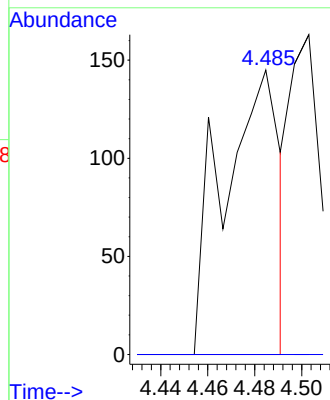
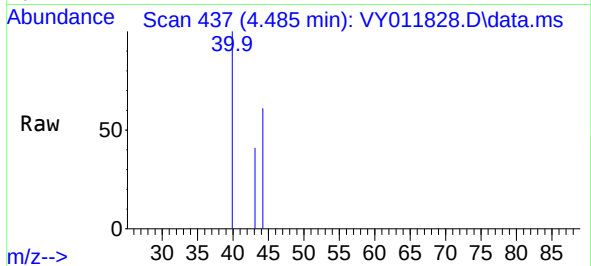




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011828.D
Acq: 14 Dec 2022 05:46

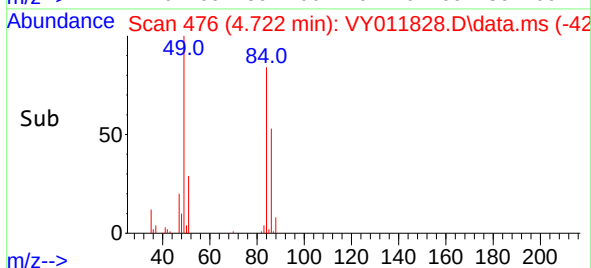
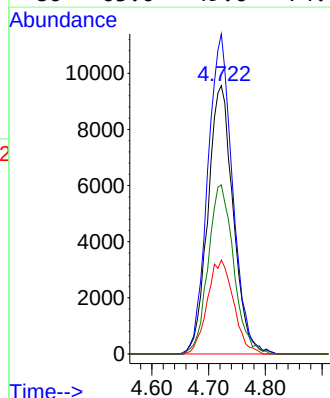
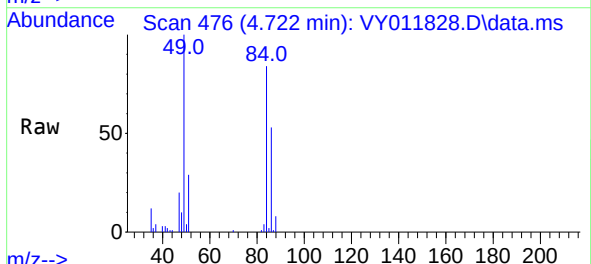
Instrument :
MSVOA_Y
ClientSampleId :
RB-28-(5-7)

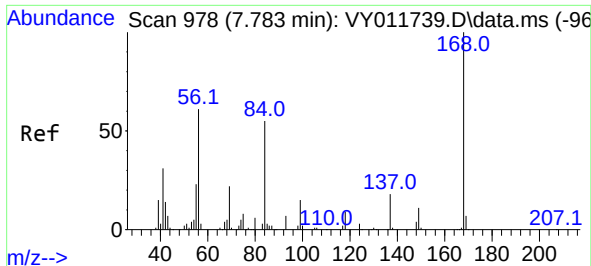
Tgt Ion: 43 Resp: 241
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 6.245 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011828.D
Acq: 14 Dec 2022 05:46

Tgt Ion: 84 Resp: 29543
Ion Ratio Lower Upper
84 100
49 119.3 95.4 143.2
51 35.0 29.9 44.9
86 63.0 49.6 74.4

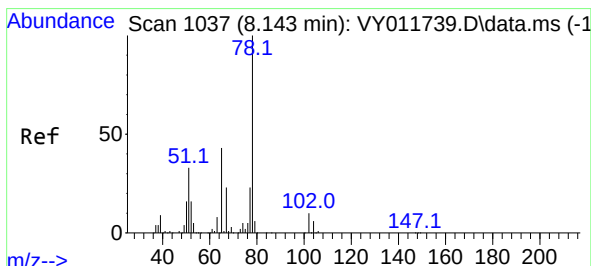
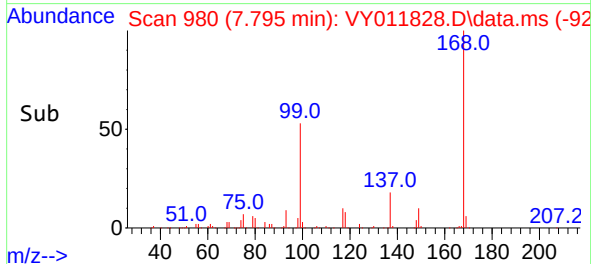
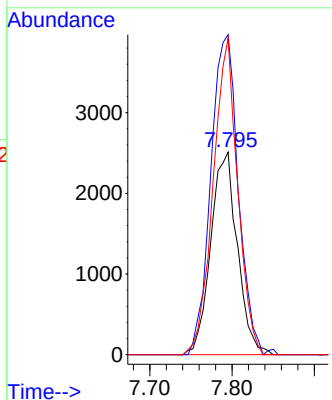
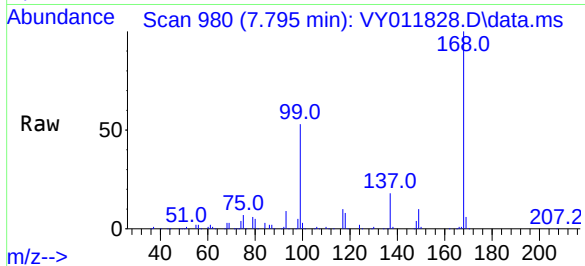




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY011828.D
Acq: 14 Dec 2022 05:46

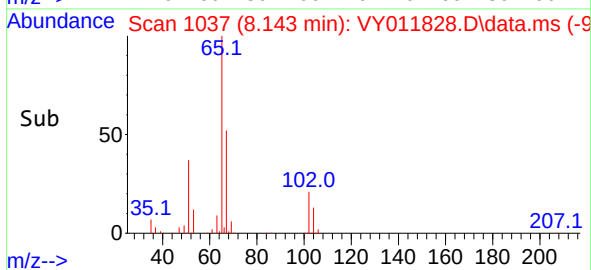
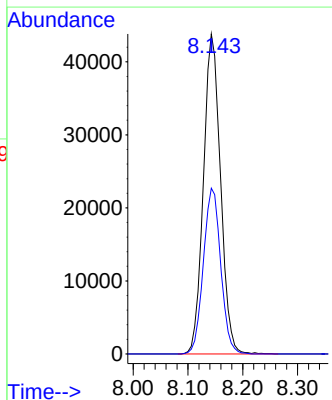
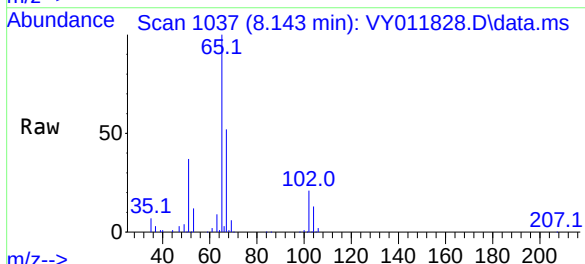
Instrument :
MSVOA_Y
ClientSampleId :
RB-28-(5-7)

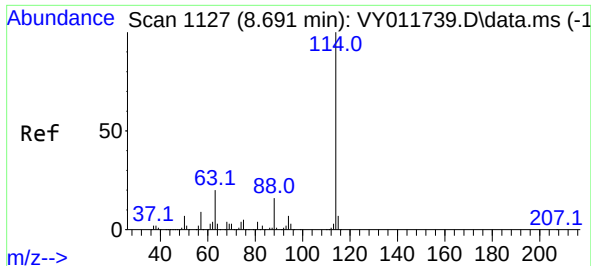
Tgt Ion: 56 Resp: 5642
Ion Ratio Lower Upper
56 100
69 158.0 29.2 43.8#
84 156.2 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 52.258 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011828.D
Acq: 14 Dec 2022 05:46

Tgt Ion: 65 Resp: 94793
Ion Ratio Lower Upper
65 100
67 52.4 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: VY011828.D

Acq: 14 Dec 2022 05:46

Instrument :

MSVOA_Y

ClientSampleId :

RB-28-(5-7)

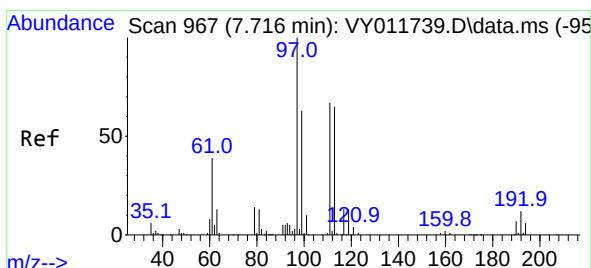
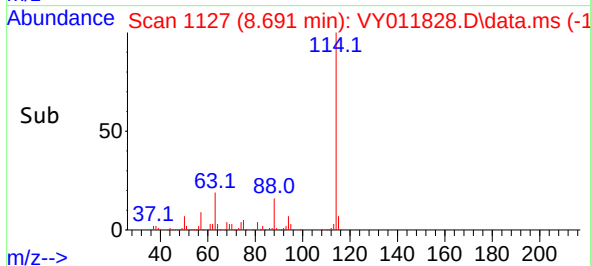
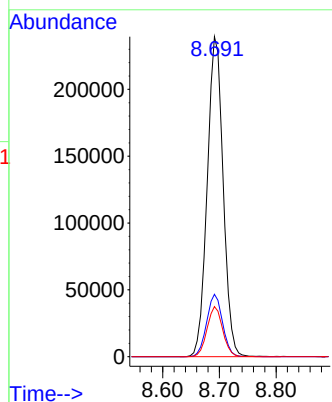
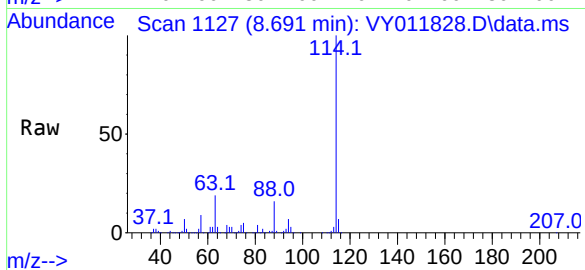
Tgt Ion:114 Resp: 465442

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.711 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY011828.D

Acq: 14 Dec 2022 05:46

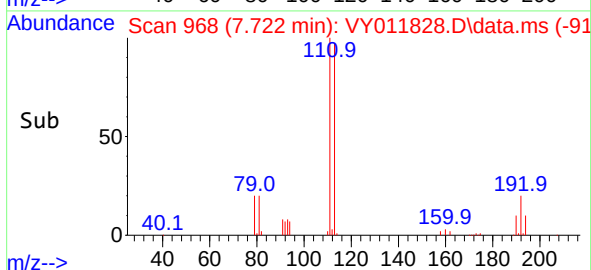
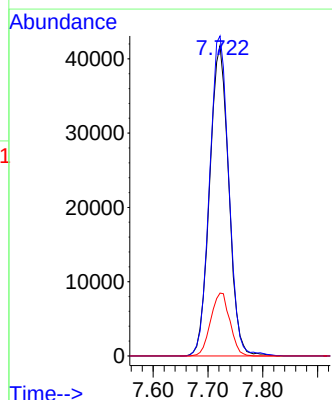
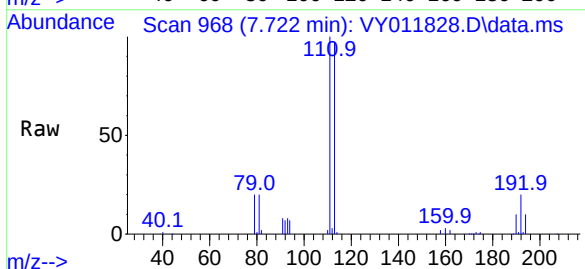
Tgt Ion:113 Resp: 100939

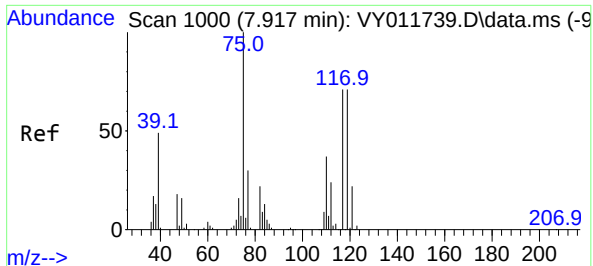
Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.4

192 20.3 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.721 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY011828.D

Acq: 14 Dec 2022 05:46

Instrument :

MSVOA_Y

ClientSampleId :

RB-28-(5-7)

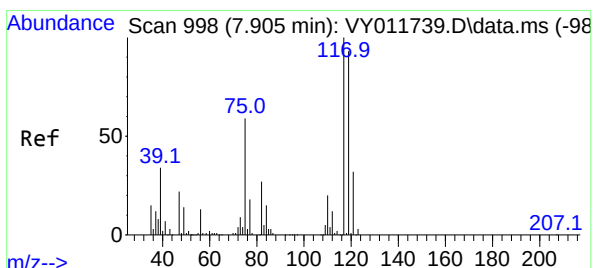
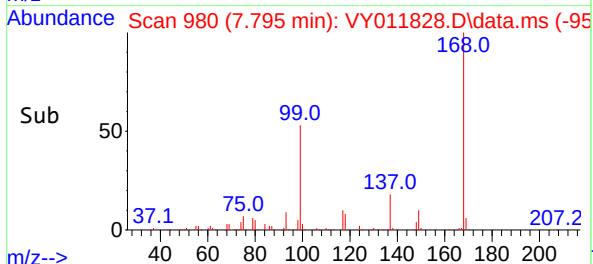
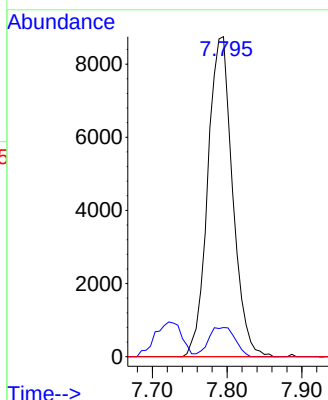
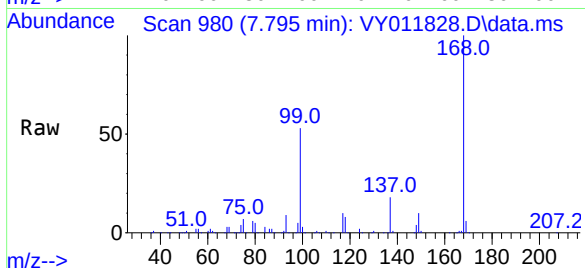
Tgt Ion: 75 Resp: 20208

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.552 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011828.D

Acq: 14 Dec 2022 05:46

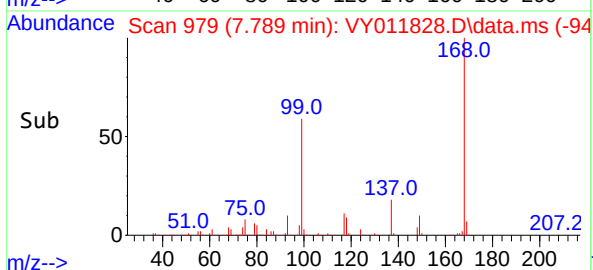
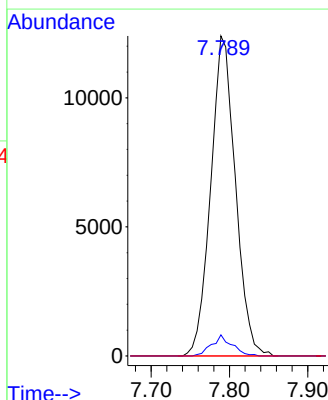
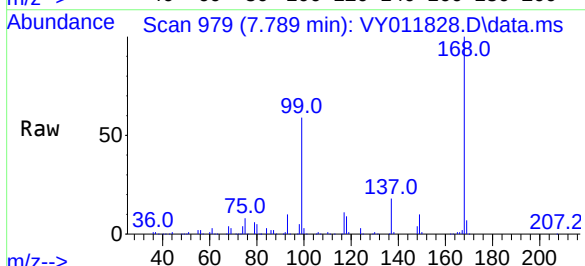
Tgt Ion: 117 Resp: 27184

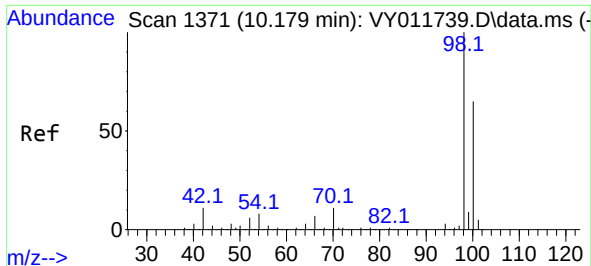
Ion Ratio Lower Upper

117 100

119 6.6 73.8 110.8#

121 0.0 25.2 37.8#

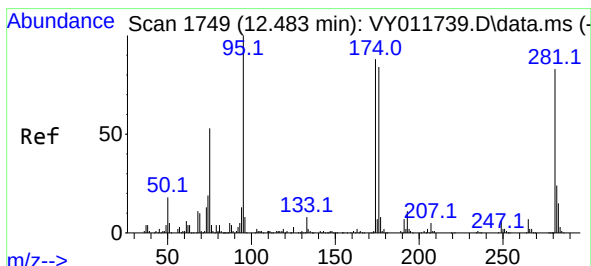
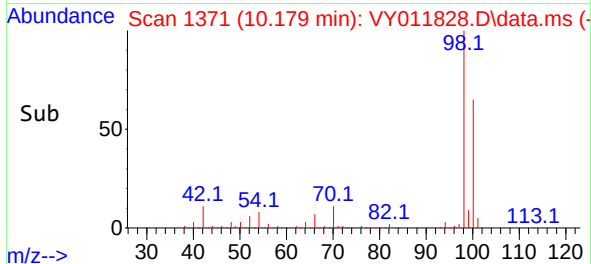
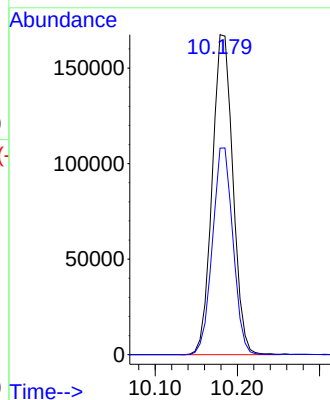
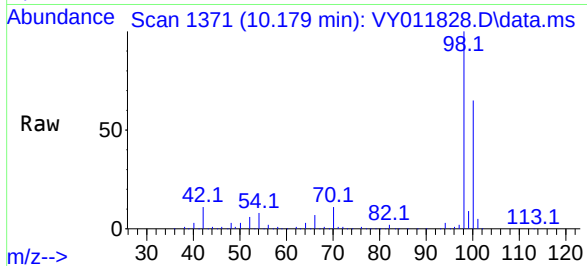




#50
Toluene-d8
Concen: 42.188 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011828.D
Acq: 14 Dec 2022 05:46

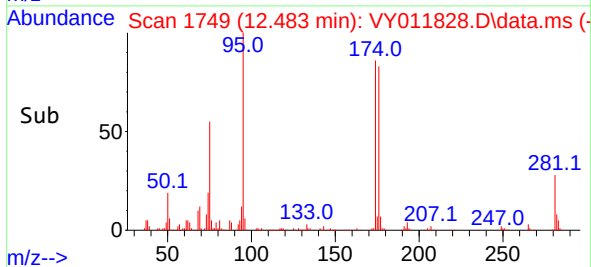
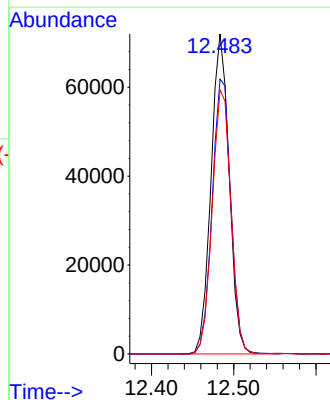
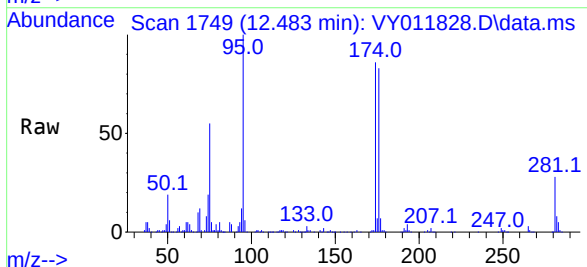
Instrument :
MSVOA_Y
ClientSampleId :
RB-28-(5-7)

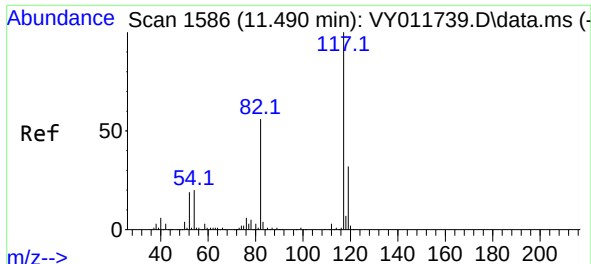
Tgt Ion: 98 Resp: 293064
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 39.986 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011828.D
Acq: 14 Dec 2022 05:46

Tgt Ion: 95 Resp: 110371
Ion Ratio Lower Upper
95 100
174 88.5 0.0 172.0
176 85.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY011828.D

Acq: 14 Dec 2022 05:46

Instrument :

MSVOA_Y

ClientSampleId :

RB-28-(5-7)

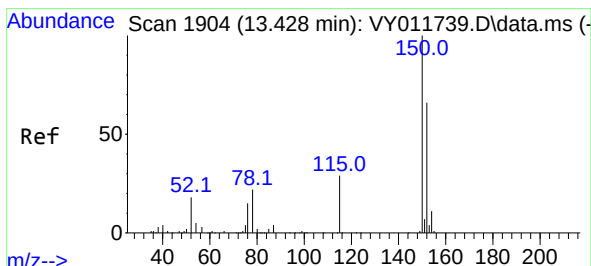
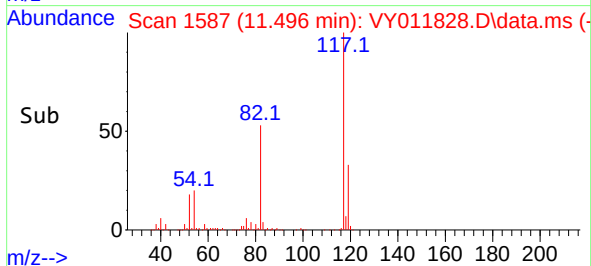
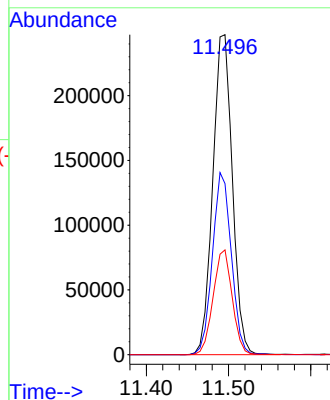
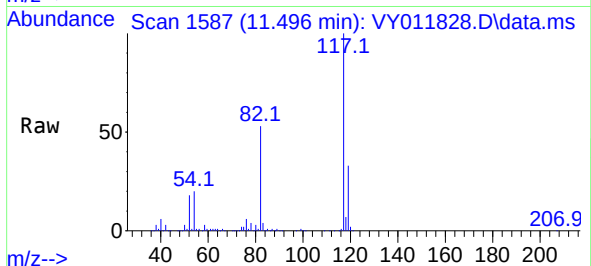
Tgt Ion:117 Resp: 408013

Ion Ratio Lower Upper

117 100

82 53.4 44.8 67.2

119 32.7 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: VY011828.D

Acq: 14 Dec 2022 05:46

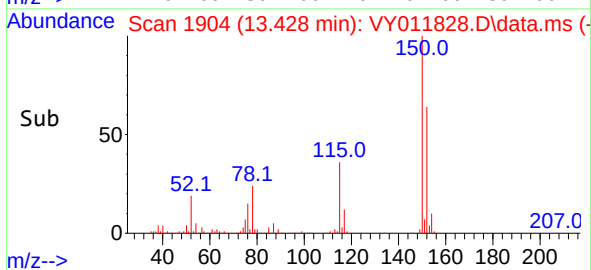
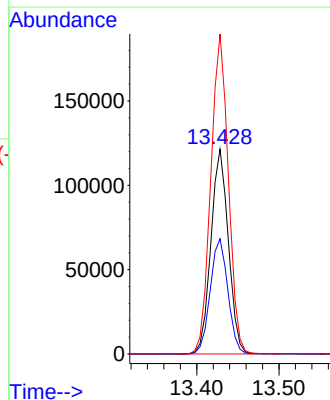
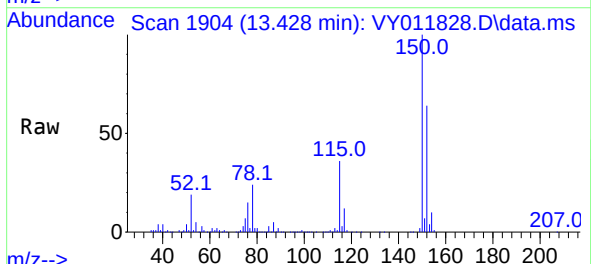
Tgt Ion:152 Resp: 179103

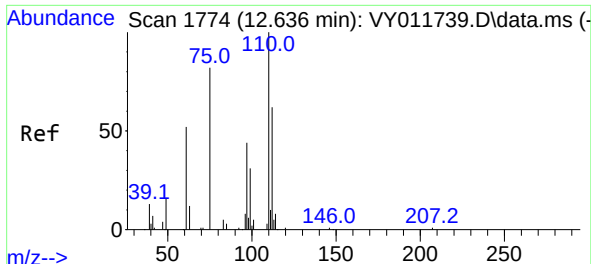
Ion Ratio Lower Upper

152 100

115 57.0 29.1 87.3

150 157.2 0.0 342.6

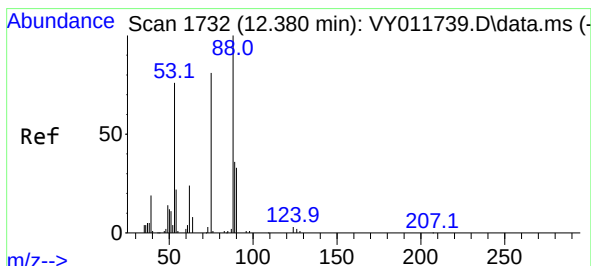
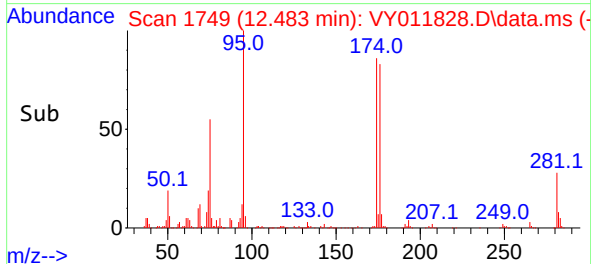
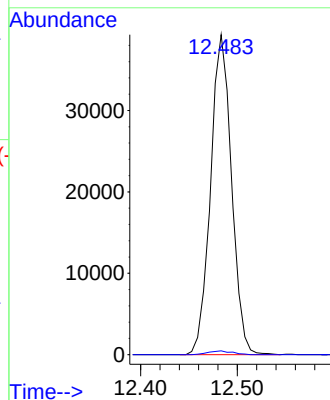
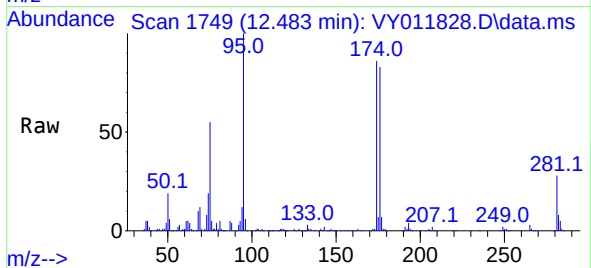




#76
1,2,3-Trichloropropane
Concen: 32.726 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011828.D
Acq: 14 Dec 2022 05:46

Instrument :
MSVOA_Y
ClientSampleId :
RB-28-(5-7)

Tgt Ion: 75 Resp: 59302
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.263 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011828.D
Acq: 14 Dec 2022 05:46

Tgt Ion: 75 Resp: 59302
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.3 37.0 55.4#

