

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011823\
 Data File : VY012248.D
 Acq On : 18 Jan 2023 16:03
 Operator : KP/MD
 Sample : 01179-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB21127

Quant Time: Jan 19 00:36:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

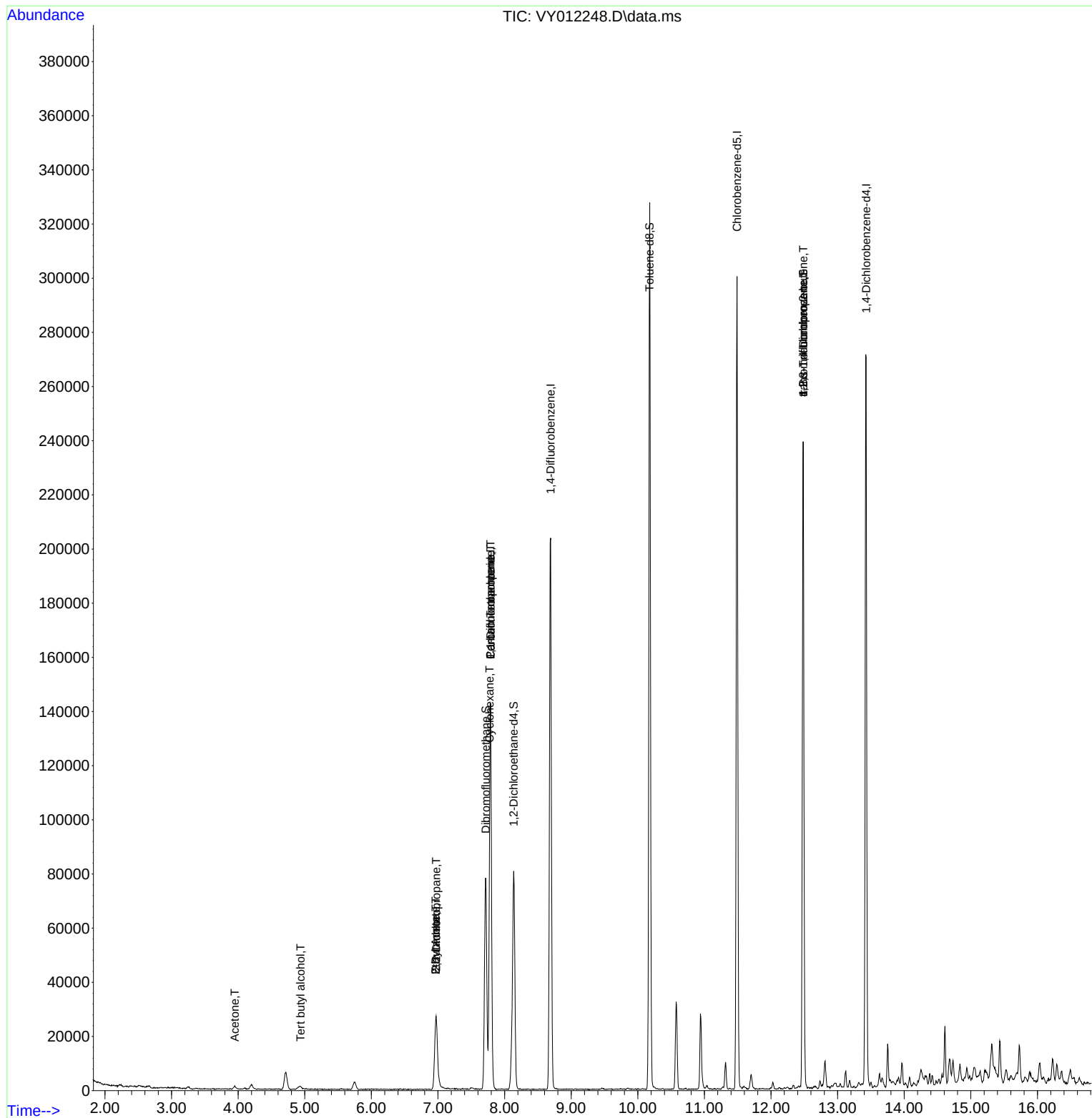
Internal Standards						
1) Pentafluorobenzene	7.789	168	114889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	186011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	168842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	59309	63.328	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.660%	
35) Dibromofluoromethane	7.716	113	56679	57.546	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.100%	
50) Toluene-d8	10.179	98	217277	64.966	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 129.940%	
62) 4-Bromofluorobenzene	12.483	95	68877	49.607	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	1524	1.234	ug/l #	74
16) Acetone	3.948	43	1952	6.102	ug/l	98
20) Methylene Chloride	4.716	84	5165	Below Cal		93
25) 2-Butanone	6.966	43	1220	3.454	ug/l #	46
26) 2,2-Dichloropropane	6.972	77	2230	1.139	ug/l #	53
31) Cyclohexane	7.776	56	1816	1.084	ug/l #	7
36) 1,1-Dichloropropene	7.789	75	7796	4.657	ug/l #	49
37) Ethyl Acetate	6.966	43	1220	1.653	ug/l #	1
38) Carbon Tetrachloride	7.789	117	11158	5.161	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	33546	48.503	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	33546	99.937	ug/l #	13

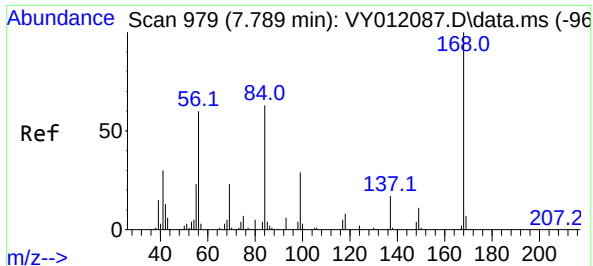
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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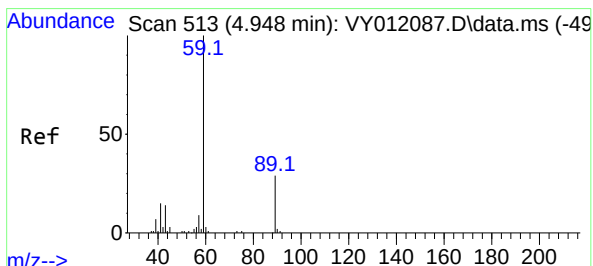
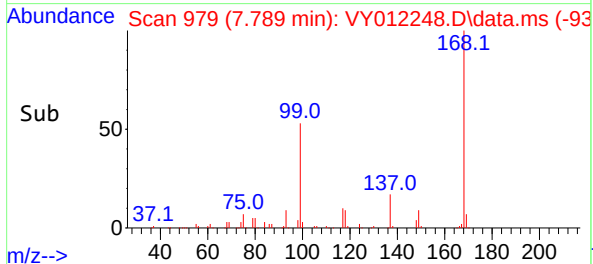
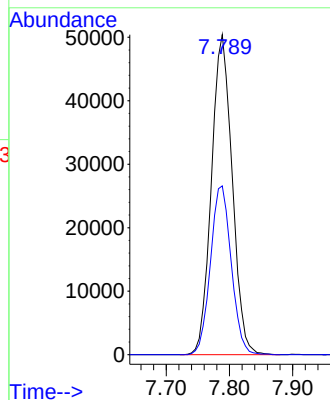
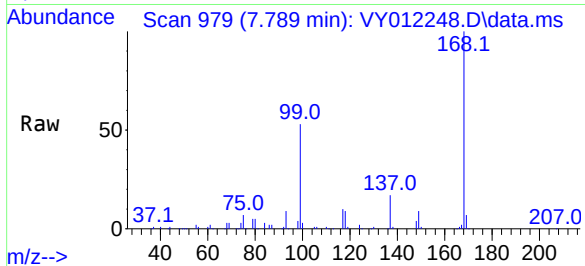




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012248.D
Acq: 18 Jan 2023 16:03

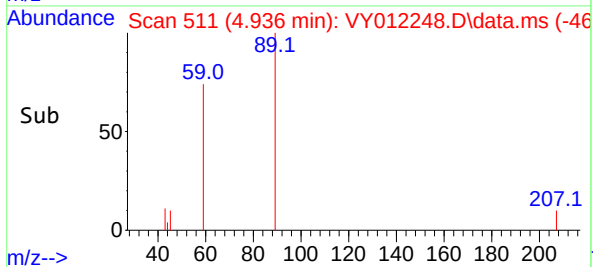
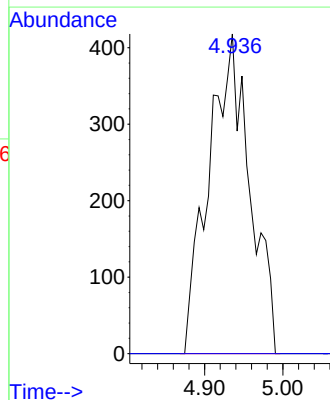
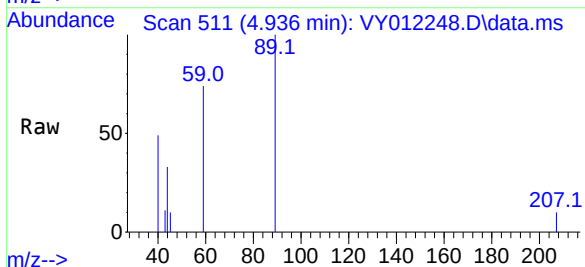
Instrument :
MSVOA_Y
ClientSampleId :
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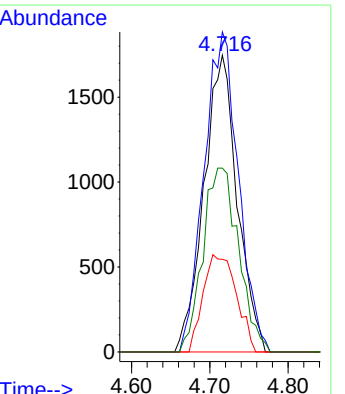
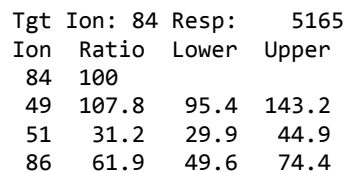
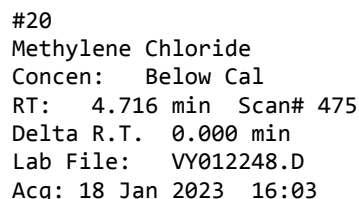
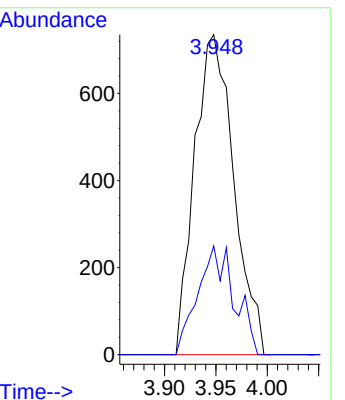
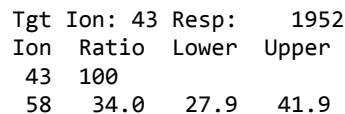
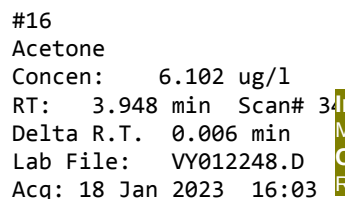
Tgt Ion:168 Resp: 114889
Ion Ratio Lower Upper
168 100
99 52.8 44.0 66.0

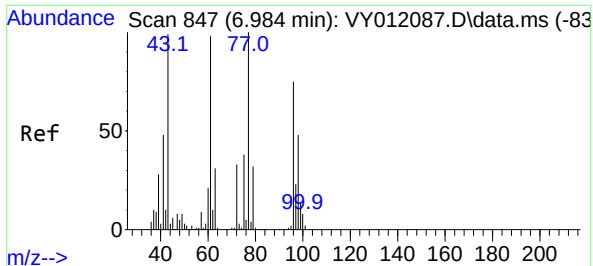


#11
Tert butyl alcohol
Concen: 1.234 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012248.D
Acq: 18 Jan 2023 16:03

Tgt Ion: 59 Resp: 1524
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#







#25

2-Butanone

Concen: 3.454 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY012248.D

Acq: 18 Jan 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

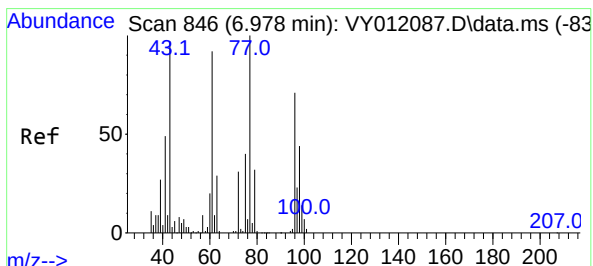
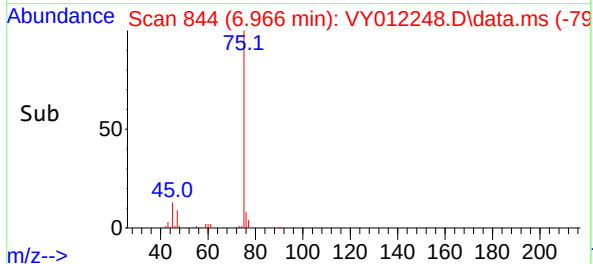
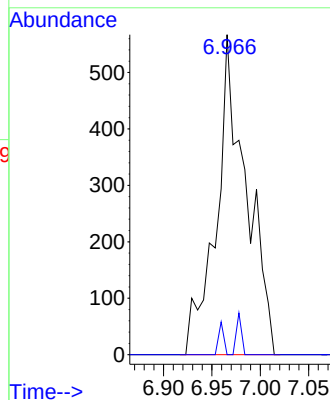
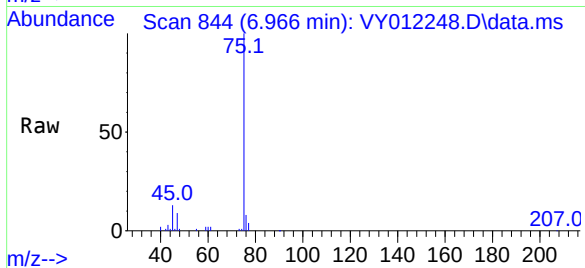
RB21127

Tgt Ion: 43 Resp: 1220

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#26

2,2-Dichloropropane

Concen: 1.139 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY012248.D

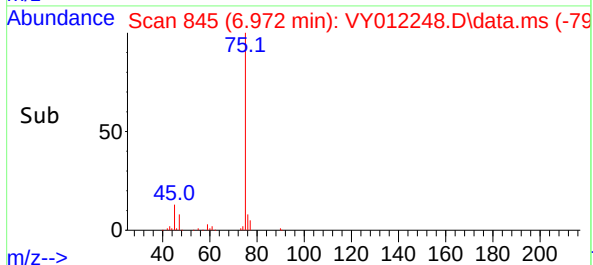
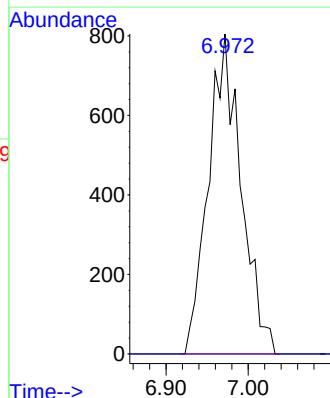
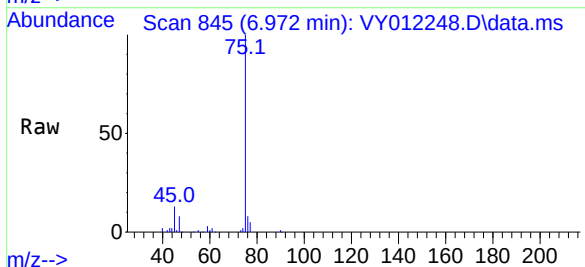
Acq: 18 Jan 2023 16:03

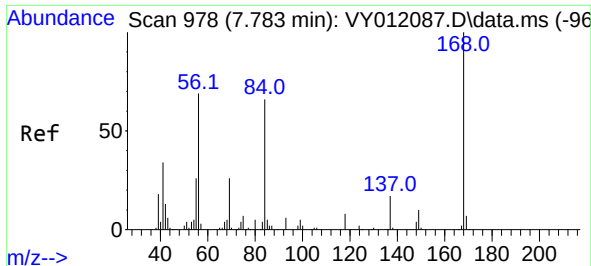
Tgt Ion: 77 Resp: 2230

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#

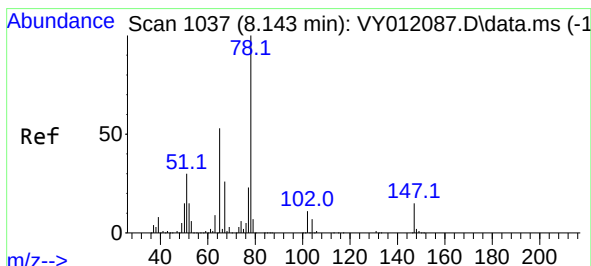
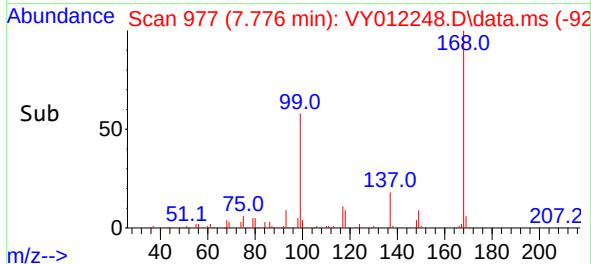
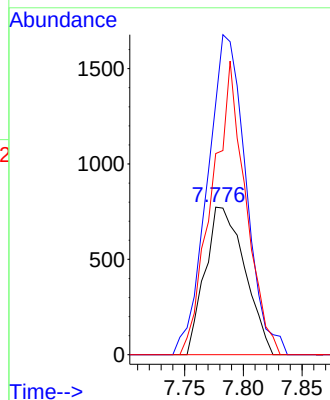
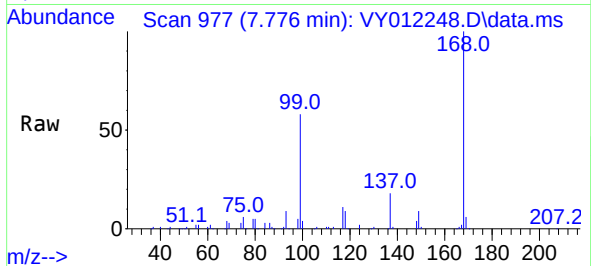




#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY012248.D
Acq: 18 Jan 2023 16:03

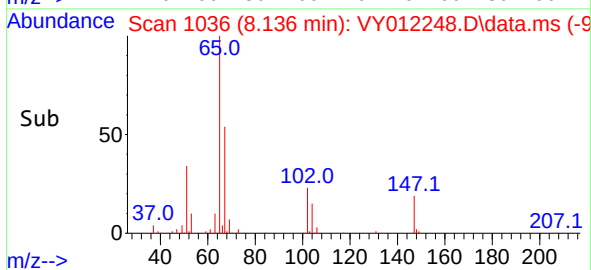
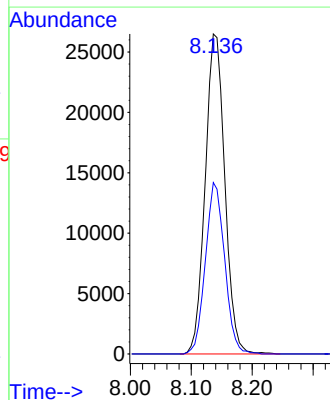
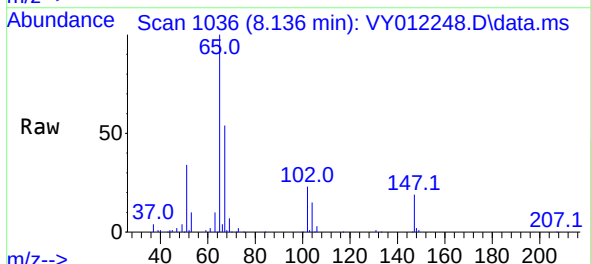
Instrument :
MSVOA_Y
ClientSampleId :
RB21127

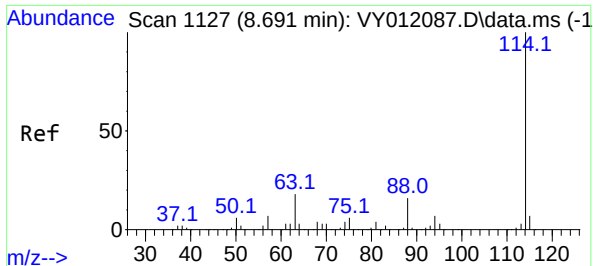
Tgt Ion: 56 Resp: 1816
Ion Ratio Lower Upper
56 100
69 158.4 29.2 43.8#
84 136.3 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 63.328 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012248.D
Acq: 18 Jan 2023 16:03

Tgt Ion: 65 Resp: 59309
Ion Ratio Lower Upper
65 100
67 52.5 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: VY012248.D

Acq: 18 Jan 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

RB21127

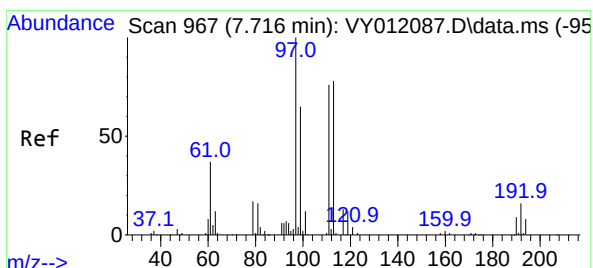
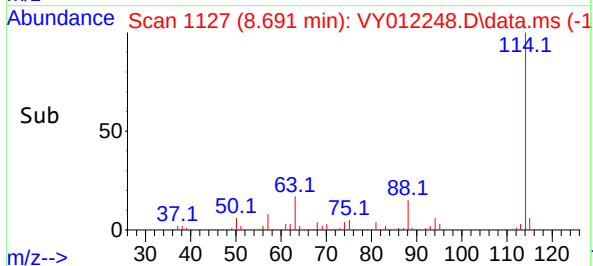
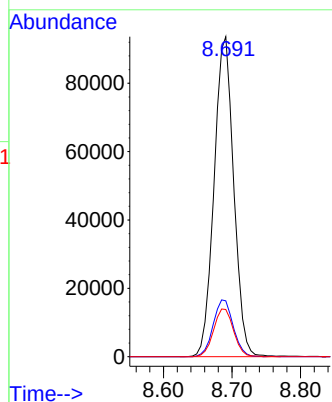
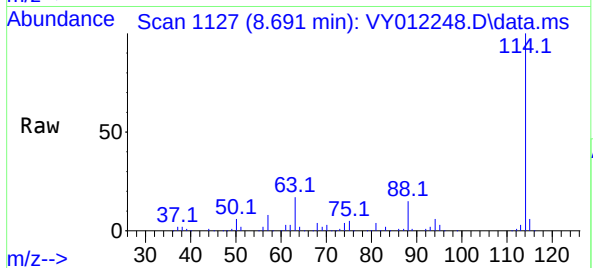
Tgt Ion:114 Resp: 186011

Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

88 14.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.546 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012248.D

Acq: 18 Jan 2023 16:03

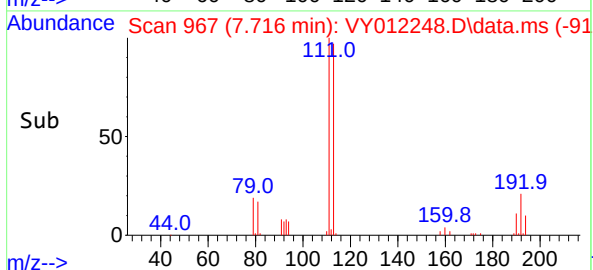
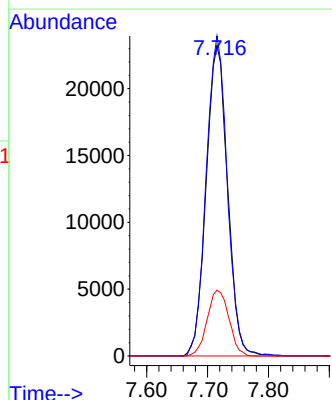
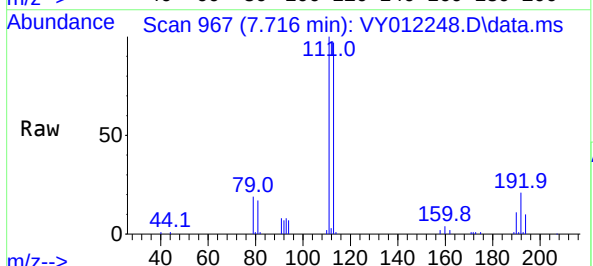
Tgt Ion:113 Resp: 56679

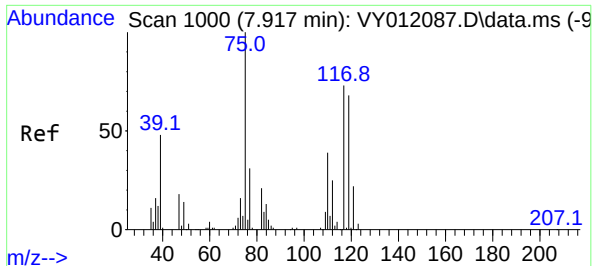
Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.4

192 21.4 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.657 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012248.D

Acq: 18 Jan 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

RB21127

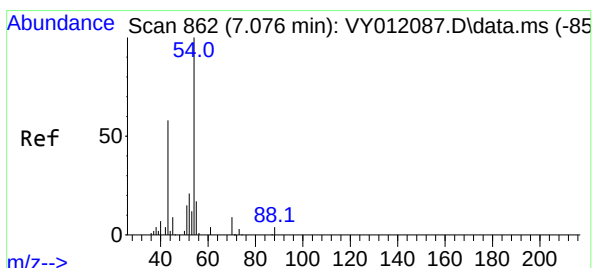
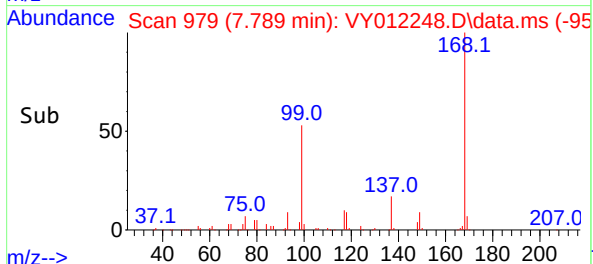
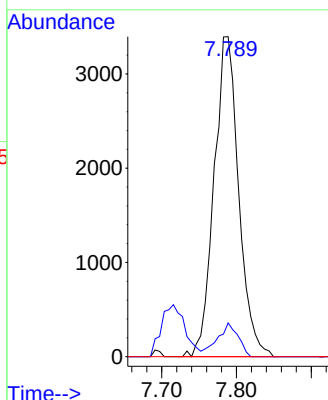
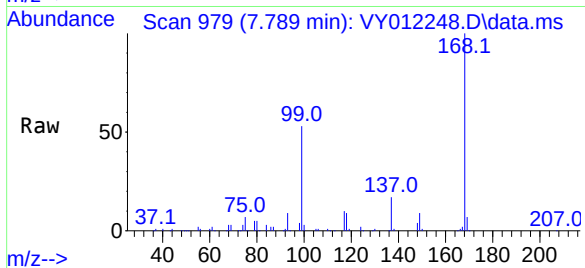
Tgt Ion: 75 Resp: 7796

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.1#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.653 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.110 min

Lab File: VY012248.D

Acq: 18 Jan 2023 16:03

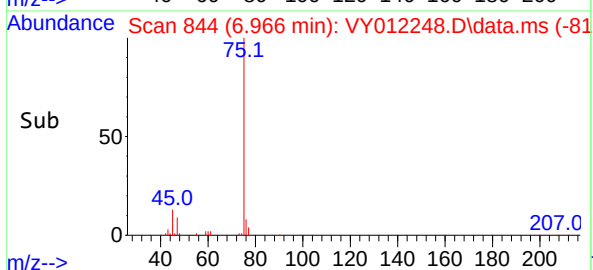
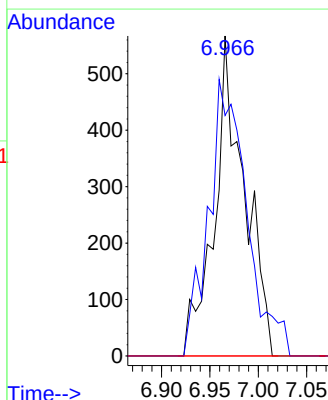
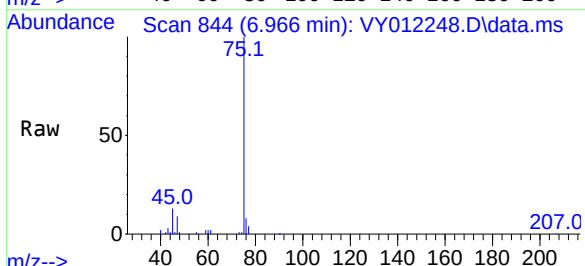
Tgt Ion: 43 Resp: 1220

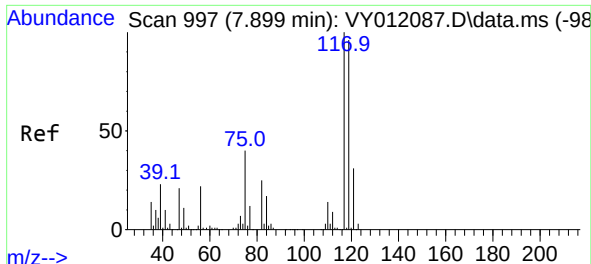
Ion Ratio Lower Upper

43 100

61 110.0 11.3 16.9#

70 0.0 8.2 12.4#

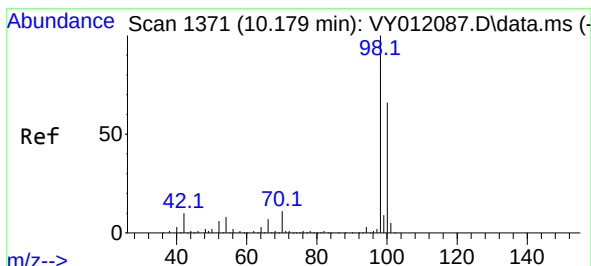
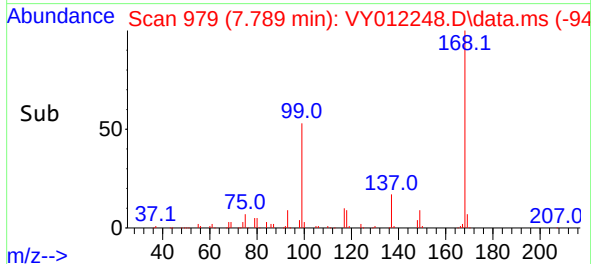
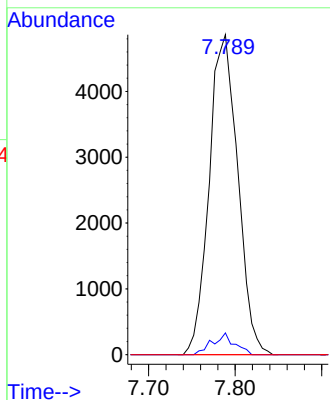
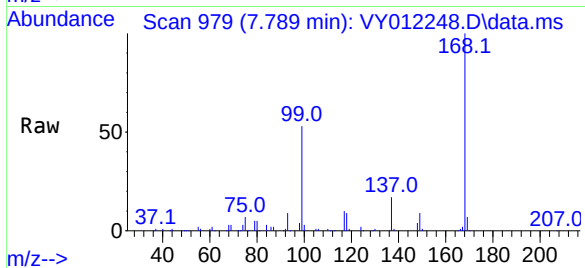




#38
Carbon Tetrachloride
Concen: 5.161 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012248.D
Acq: 18 Jan 2023 16:03

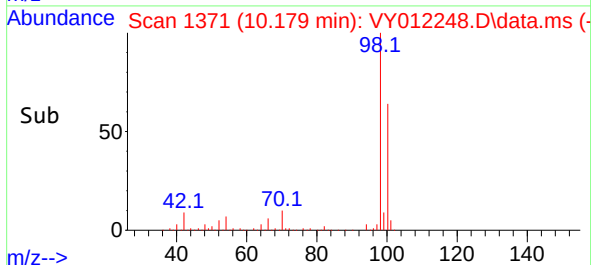
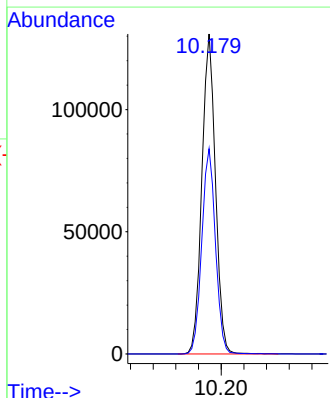
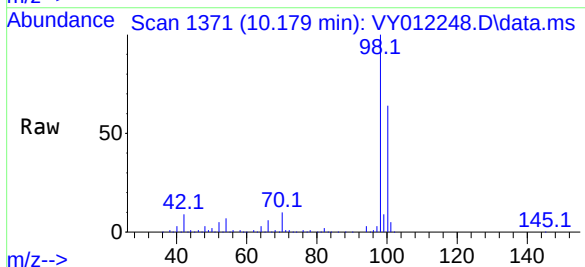
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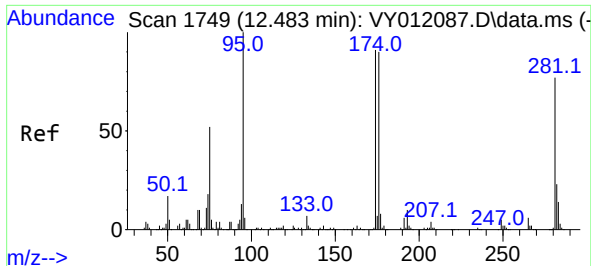
Tgt Ion:117 Resp: 11158
Ion Ratio Lower Upper
117 100
119 6.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 64.966 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY012248.D
Acq: 18 Jan 2023 16:03

Tgt Ion: 98 Resp: 217277
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

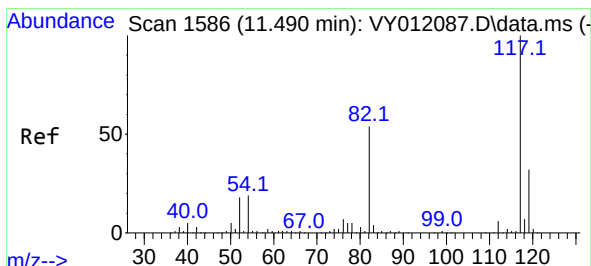
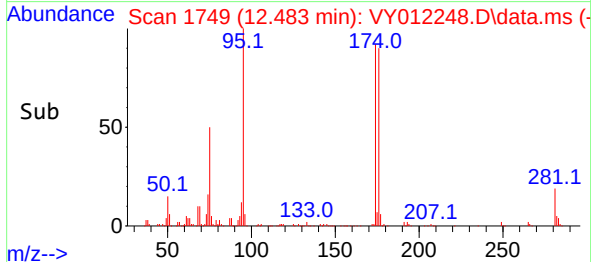
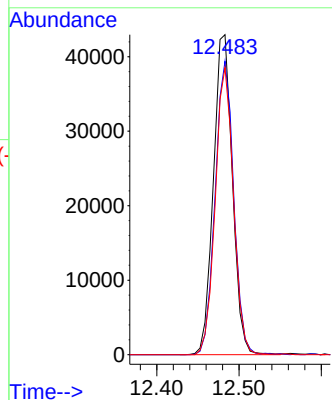
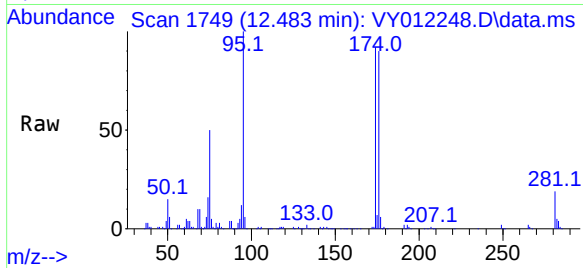




#62
4-Bromofluorobenzene
Concen: 49.607 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012248.D
Acq: 18 Jan 2023 16:03

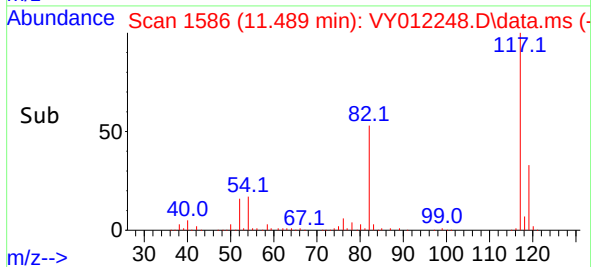
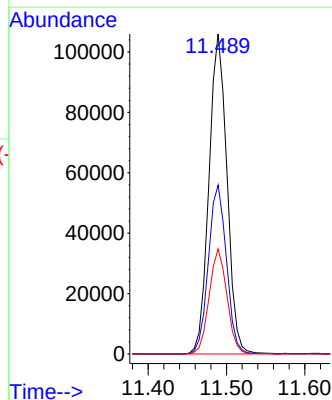
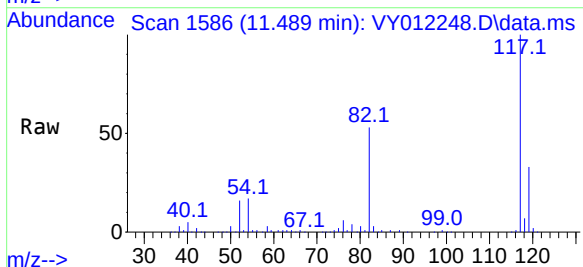
Instrument :
MSVOA_Y
ClientSampleId :
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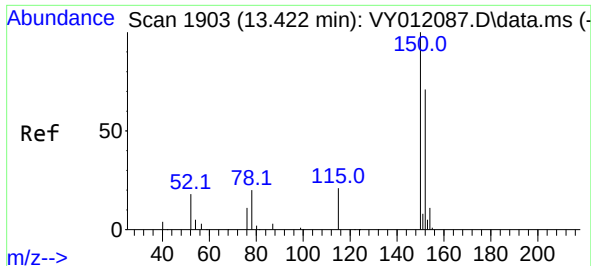
Tgt Ion: 95 Resp: 68877
Ion Ratio Lower Upper
95 100
174 89.7 0.0 172.0
176 86.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012248.D
Acq: 18 Jan 2023 16:03

Tgt Ion: 117 Resp: 168842
Ion Ratio Lower Upper
117 100
82 52.8 44.8 67.2
119 32.9 25.4 38.2

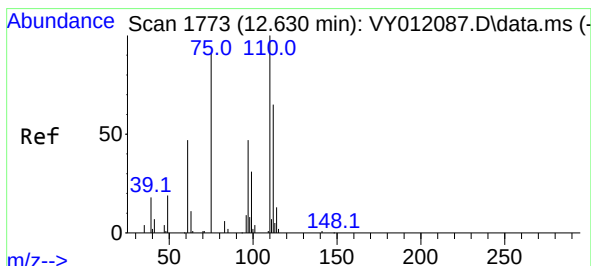
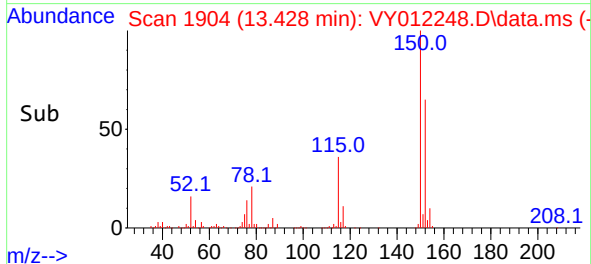
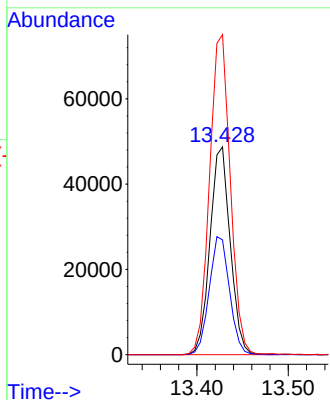
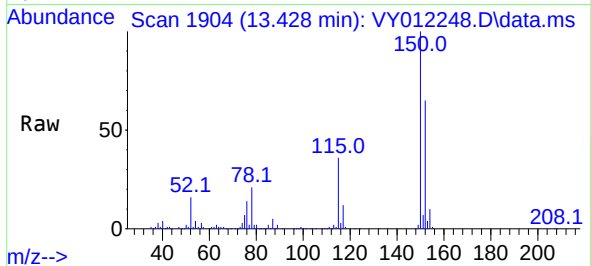




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012248.D
Acq: 18 Jan 2023 16:03

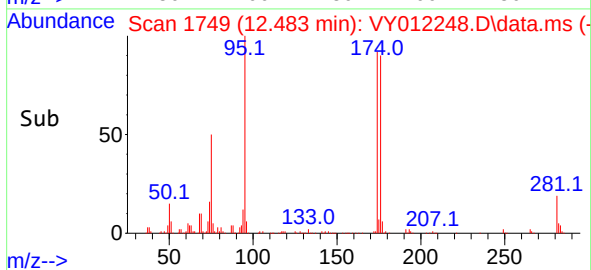
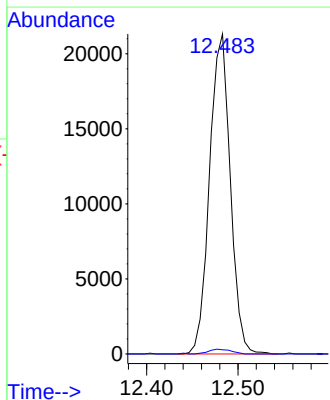
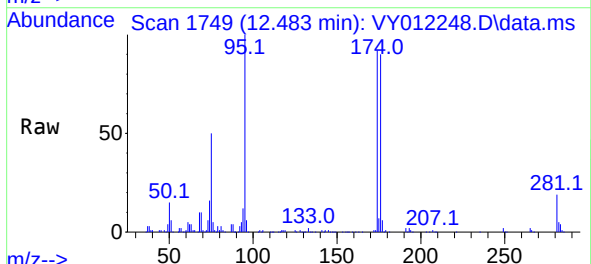
Instrument :
MSVOA_Y
ClientSampleId :
RB21127

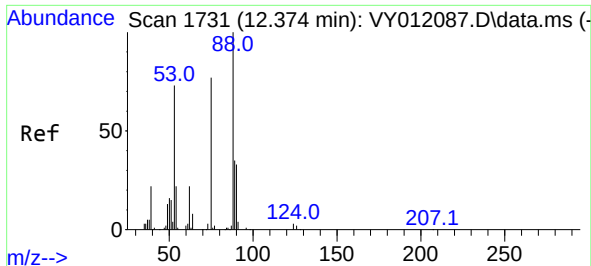
Tgt Ion:152 Resp: 75215
Ion Ratio Lower Upper
152 100
115 57.0 29.1 87.3
150 157.4 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 48.503 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012248.D
Acq: 18 Jan 2023 16:03

Tgt Ion: 75 Resp: 33546
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.937 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012248.D
 Acq: 18 Jan 2023 16:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB21127

Tgt Ion: 75 Resp: 33546
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.2 37.0 55.4#

