

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
 Data File : VY012222.D
 Acq On : 17 Jan 2023 14:13
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jan 18 00:32:42 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)

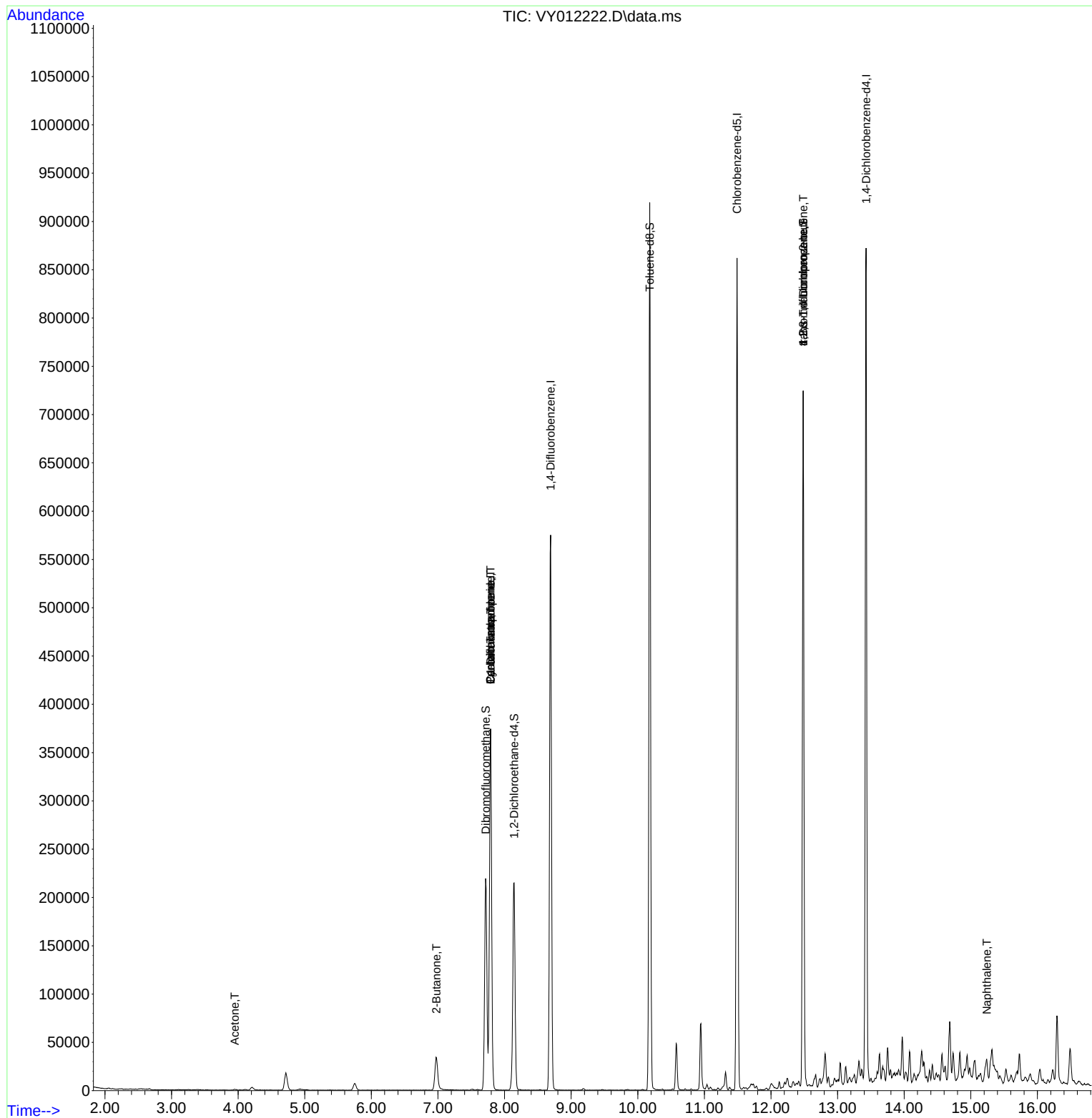
Internal Standards						
1) Pentafluorobenzene	7.789	168	300611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	514480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	486421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	231769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	170059	69.807	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.620%	
35) Dibromofluoromethane	7.716	113	156248	57.356	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.720%	
50) Toluene-d8	10.179	98	600020	64.857	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 129.720%	
62) 4-Bromofluorobenzene	12.483	95	212688	55.384	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.760%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	1713	Below Cal	#	74
16) Acetone	3.948	43	1250	1.493	ug/l	94
20) Methylene Chloride	4.716	84	13922	Below Cal		96
25) 2-Butanone	6.978	43	1924	2.082	ug/l #	62
31) Cyclohexane	7.789	56	5296	1.208	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	20849	4.503	ug/l #	49
38) Carbon Tetrachloride	7.789	117	29268	4.895	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	108334	50.832	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	108334	104.737	ug/l #	13
95) Naphthalene	15.239	128	19022	2.107	ug/l	97

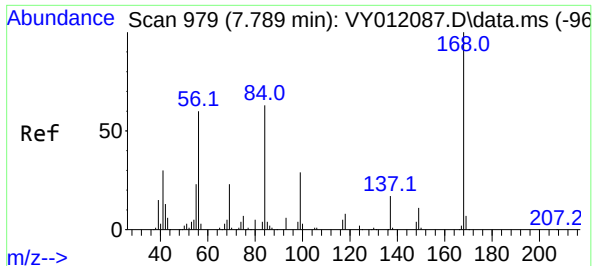
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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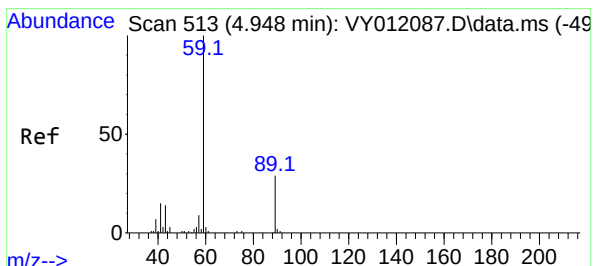
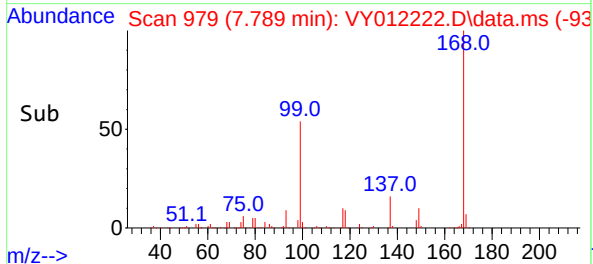
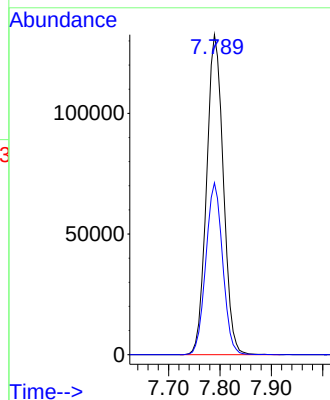
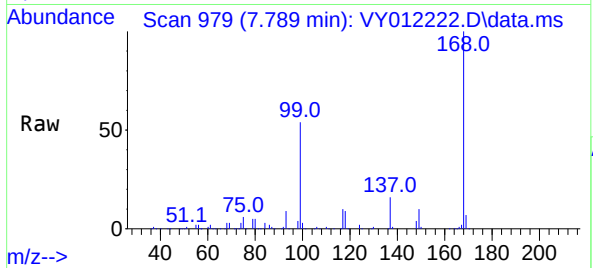




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012222.D
Acq: 17 Jan 2023 14:13

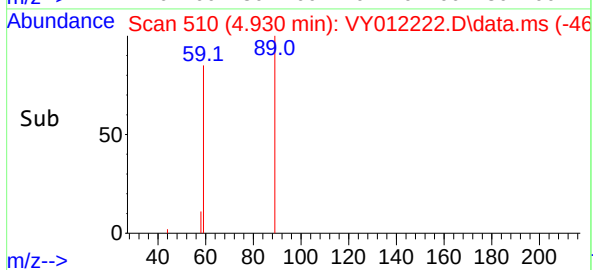
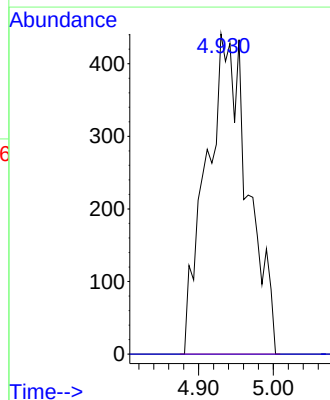
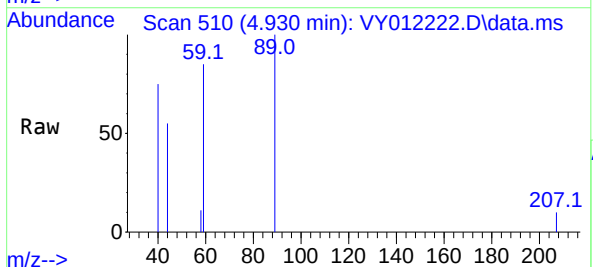
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

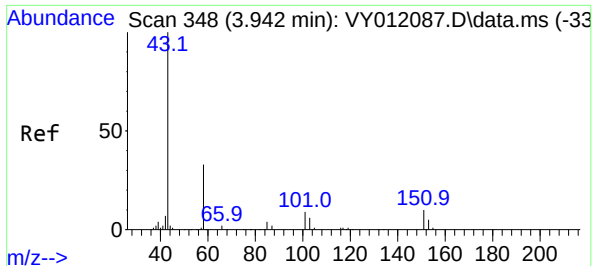
Tgt Ion:168 Resp: 300611
Ion Ratio Lower Upper
168 100
99 53.7 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012222.D
Acq: 17 Jan 2023 14:13

Tgt Ion: 59 Resp: 1713
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

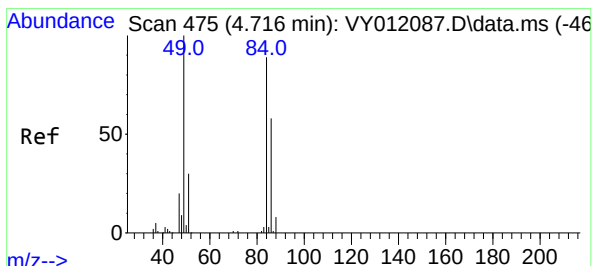
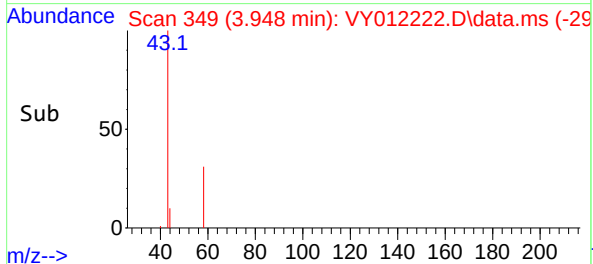
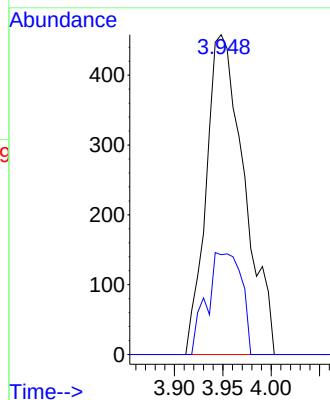
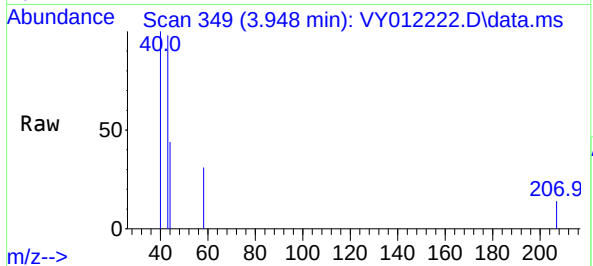




#16
Acetone
Concen: 1.493 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012222.D
Acq: 17 Jan 2023 14:13

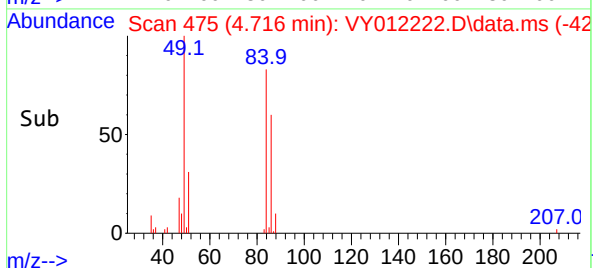
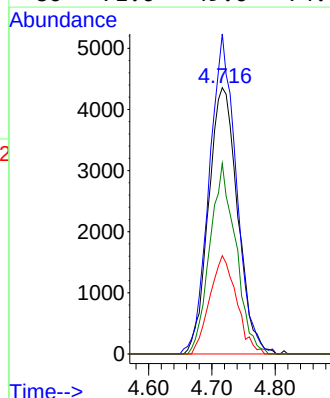
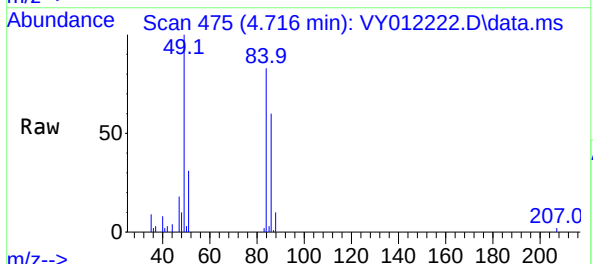
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

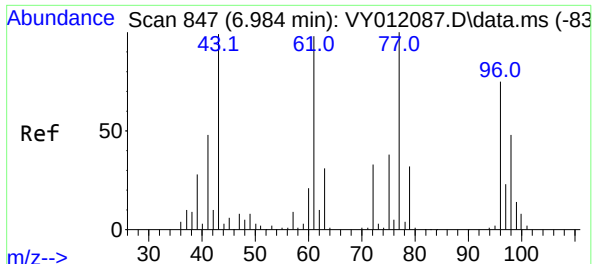
Tgt Ion: 43 Resp: 1250
Ion Ratio Lower Upper
43 100
58 31.2 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012222.D
Acq: 17 Jan 2023 14:13

Tgt Ion: 84 Resp: 13922
Ion Ratio Lower Upper
84 100
49 120.2 95.4 143.2
51 36.9 29.9 44.9
86 71.6 49.6 74.4





#25

2-Butanone

Concen: 2.082 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY012222.D

Acq: 17 Jan 2023 14:13

Instrument :

MSVOA_Y

ClientSampleId :

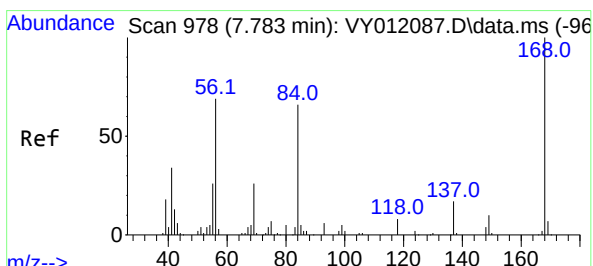
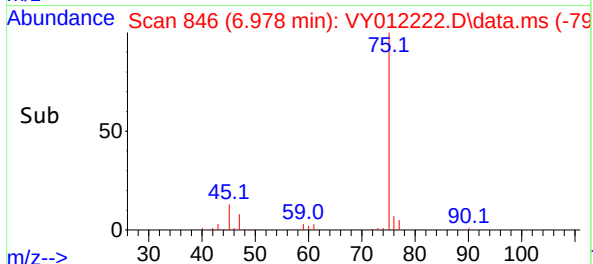
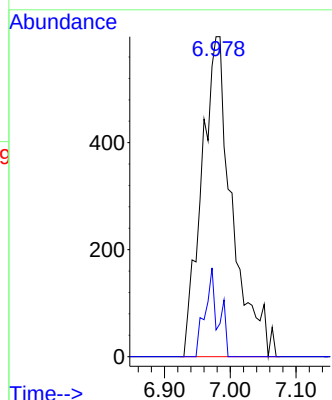
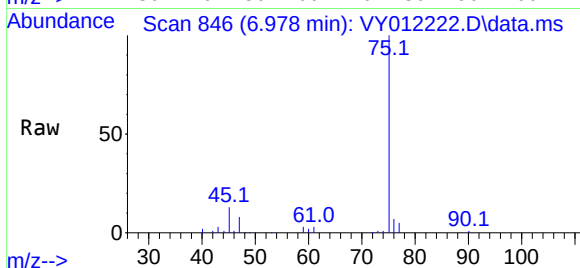
VIBLK

Tgt Ion: 43 Resp: 1924

Ion Ratio Lower Upper

43 100

72 8.4 22.6 34.0#



#31

Cyclohexane

Concen: 1.208 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012222.D

Acq: 17 Jan 2023 14:13

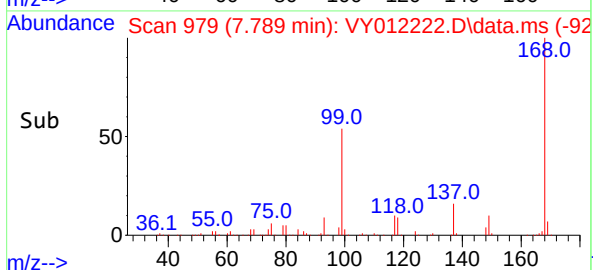
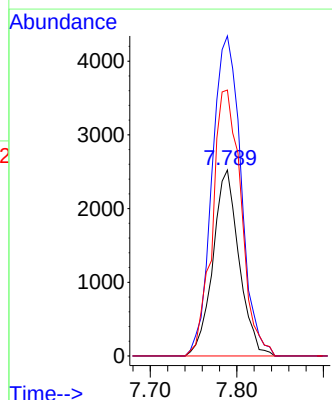
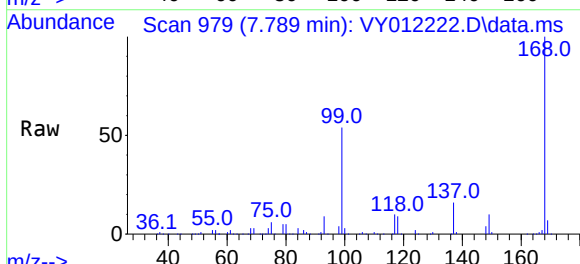
Tgt Ion: 56 Resp: 5296

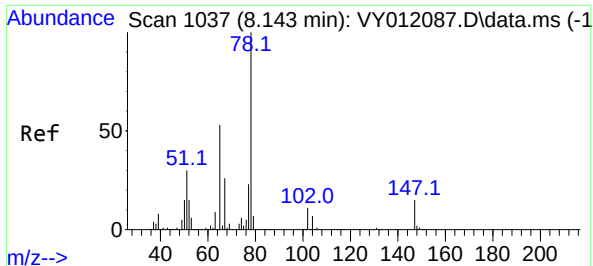
Ion Ratio Lower Upper

56 100

69 172.2 29.2 43.8#

84 143.1 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 69.807 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012222.D

Acq: 17 Jan 2023 14:13

Instrument :

MSVOA_Y

ClientSampleId :

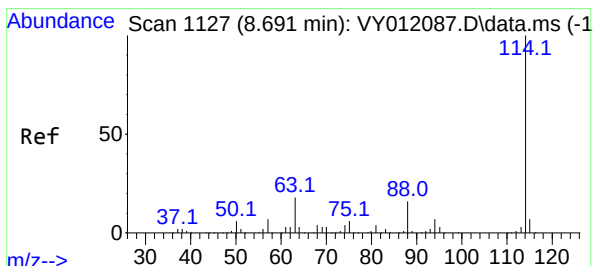
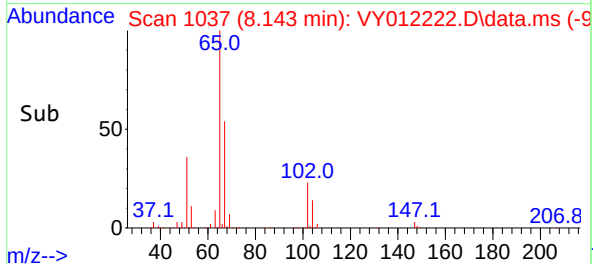
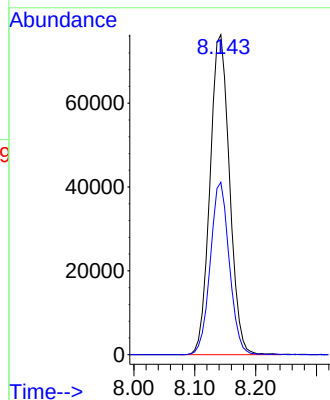
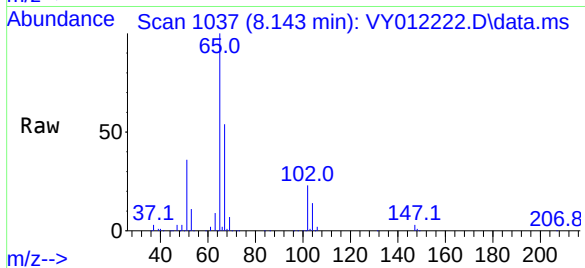
VIBLK

Tgt Ion: 65 Resp: 170059

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: VY012222.D

Acq: 17 Jan 2023 14:13

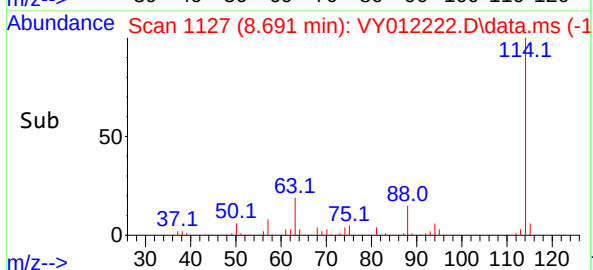
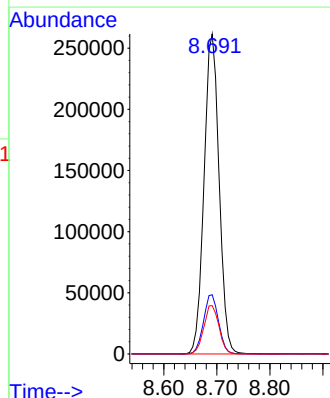
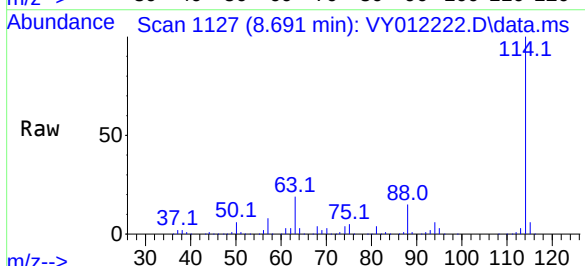
Tgt Ion:114 Resp: 514480

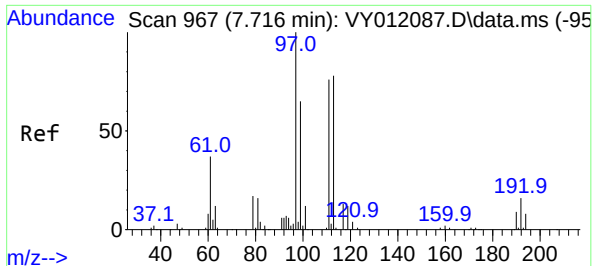
Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 15.1 0.0 32.2

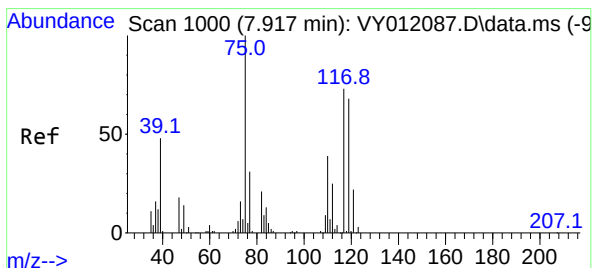
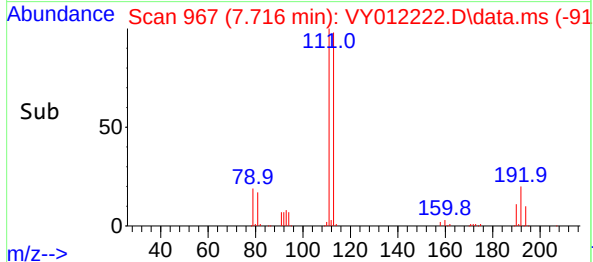
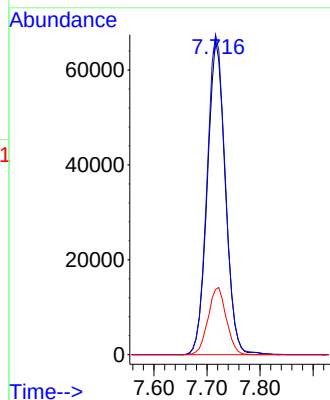
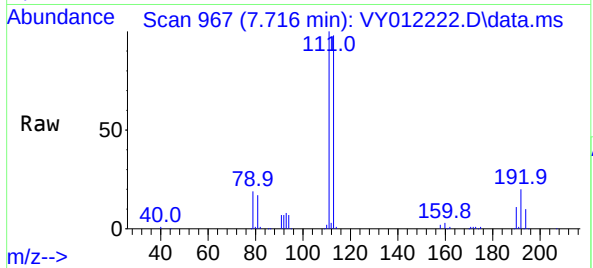




#35
Dibromofluoromethane
Concen: 57.356 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012222.D
Acq: 17 Jan 2023 14:13

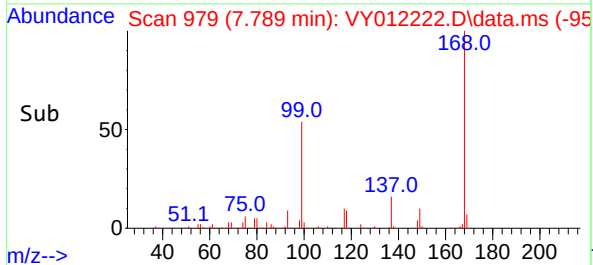
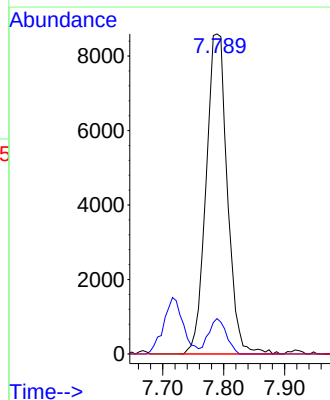
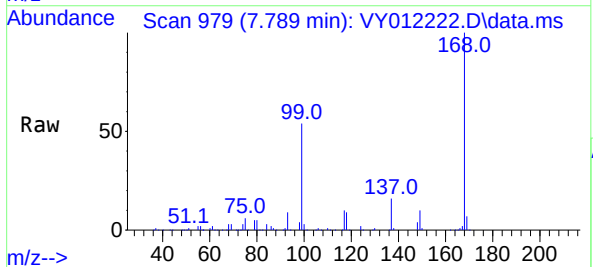
Instrument :
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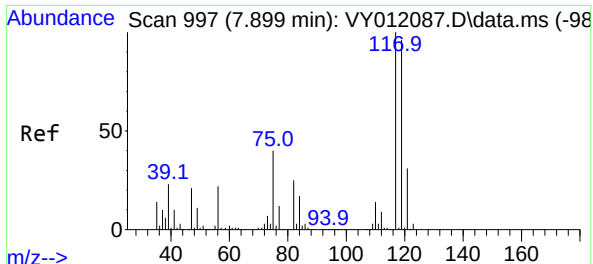
Tgt Ion:113 Resp: 156248
Ion Ratio Lower Upper
113 100
111 103.4 83.0 124.4
192 21.6 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.503 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012222.D
Acq: 17 Jan 2023 14:13

Tgt Ion: 75 Resp: 20849
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.1#
77 0.0 25.1 37.7#

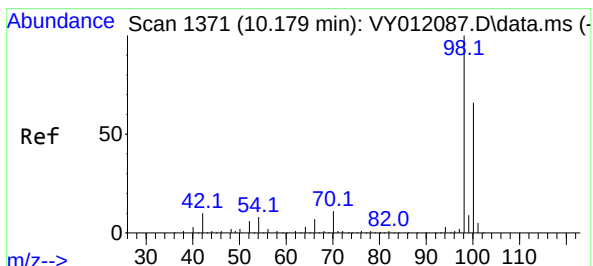
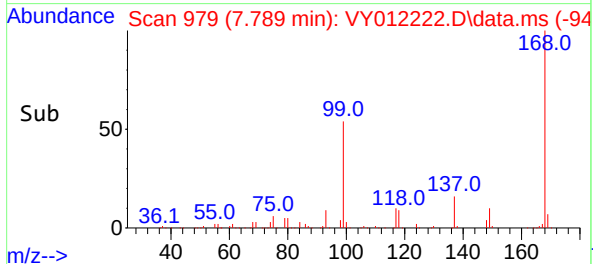
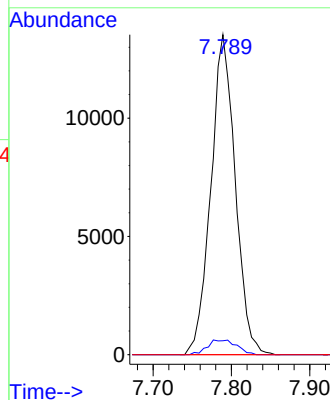
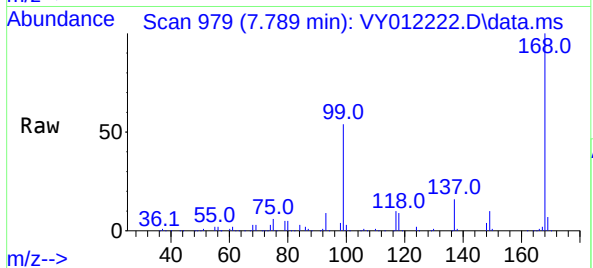




#38
Carbon Tetrachloride
Concen: 4.895 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012222.D
Acq: 17 Jan 2023 14:13

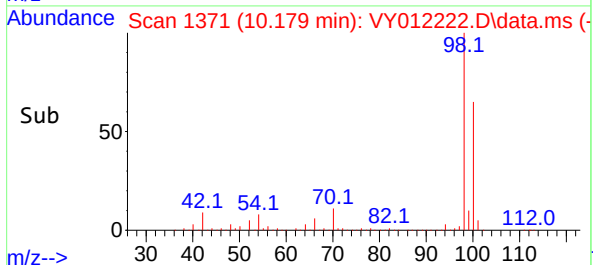
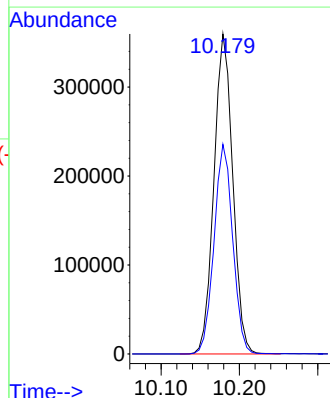
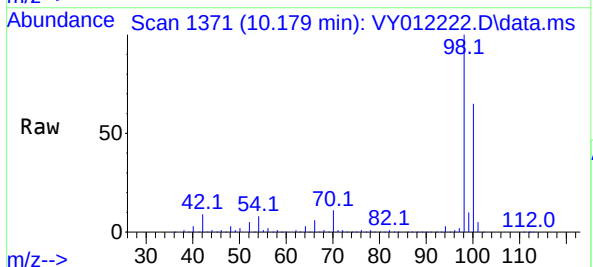
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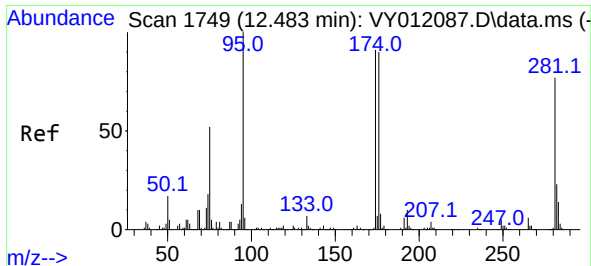
Tgt Ion:117 Resp: 29268
Ion Ratio Lower Upper
117 100
119 4.3 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 64.857 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012222.D
Acq: 17 Jan 2023 14:13

Tgt Ion: 98 Resp: 600020
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

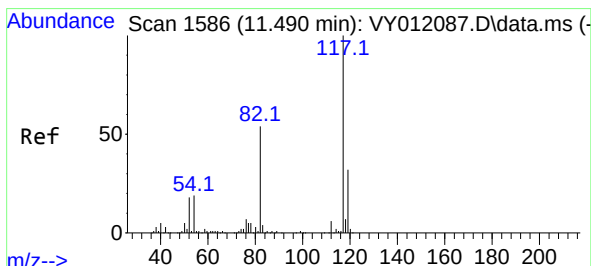
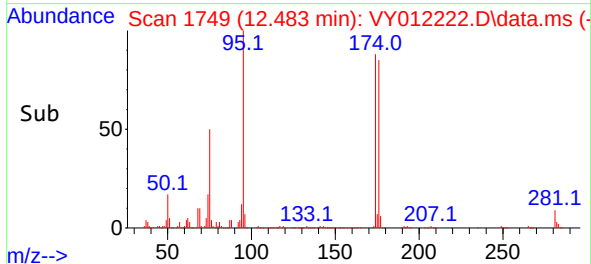
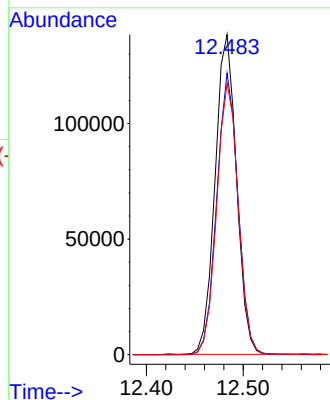
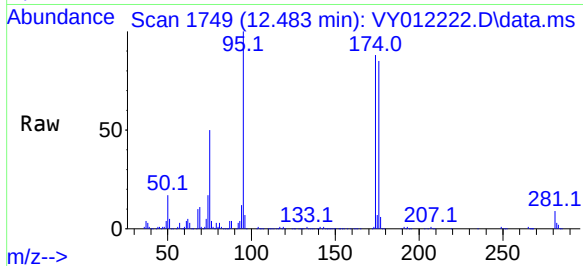




#62
4-Bromofluorobenzene
Concen: 55.384 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012222.D
Acq: 17 Jan 2023 14:13

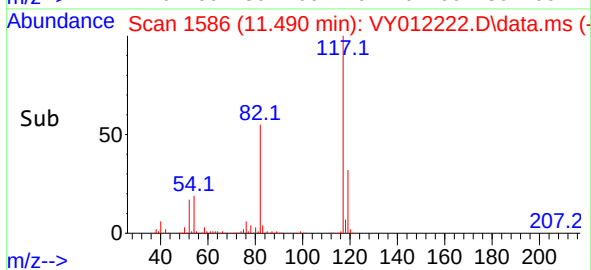
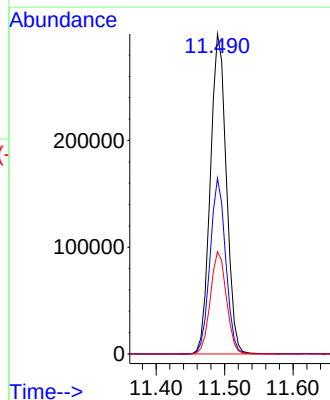
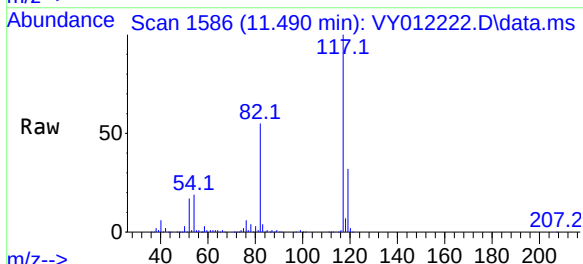
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

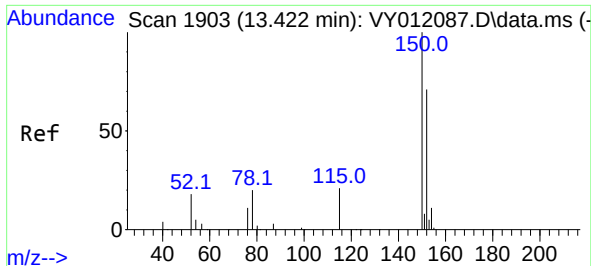
Tgt Ion: 95 Resp: 212688
Ion Ratio Lower Upper
95 100
174 87.6 0.0 172.0
176 85.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012222.D
Acq: 17 Jan 2023 14:13

Tgt Ion: 117 Resp: 486421
Ion Ratio Lower Upper
117 100
82 54.9 44.8 67.2
119 32.0 25.4 38.2

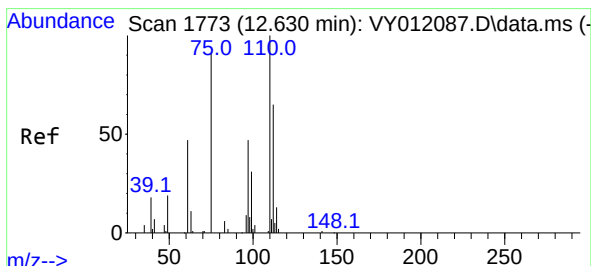
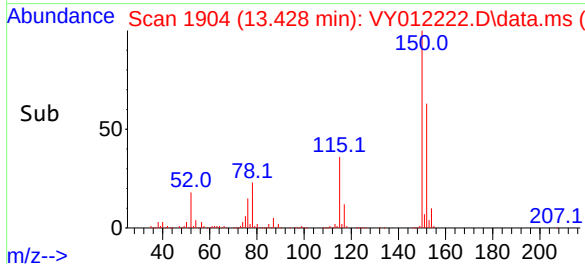
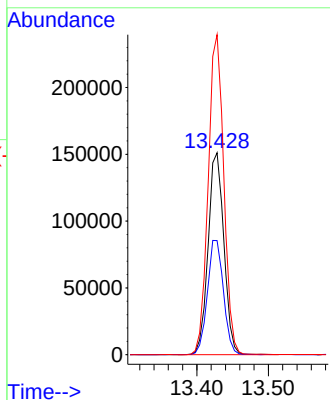
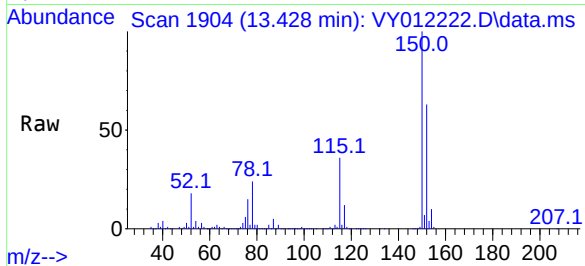




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY012222.D
Acq: 17 Jan 2023 14:13

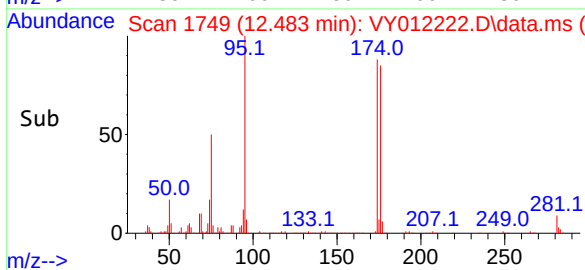
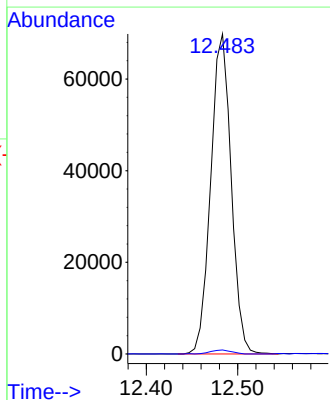
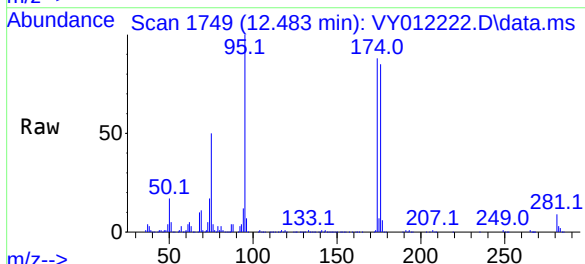
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

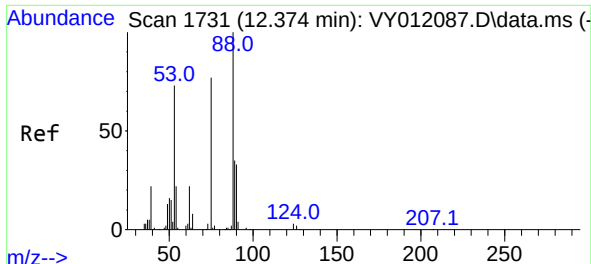
Tgt Ion:152 Resp: 231769
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.3
150 156.9 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 50.832 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012222.D
Acq: 17 Jan 2023 14:13

Tgt Ion: 75 Resp: 108334
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

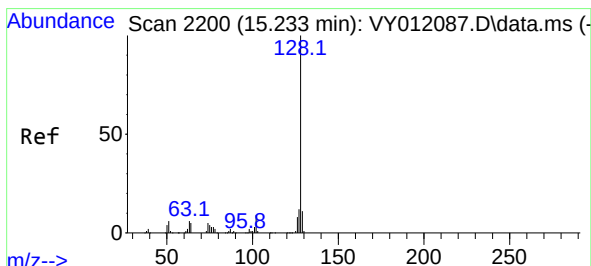
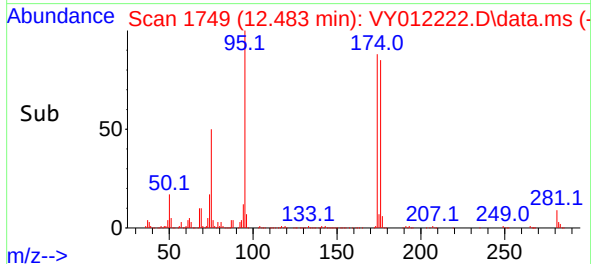
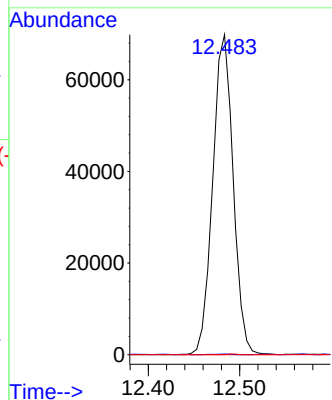
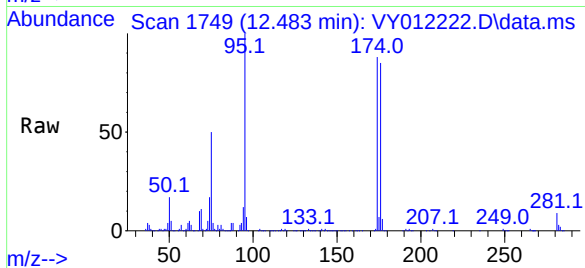




#81
trans-1,4-Dichloro-2-butene
Concen: 104.737 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012222.D
Acq: 17 Jan 2023 14:13

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 108334
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 2.107 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY012222.D
Acq: 17 Jan 2023 14:13

Tgt Ion:128 Resp: 19022
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.2
129 12.7 8.8 13.2

