

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011823\
 Data File : VY012246.D
 Acq On : 18 Jan 2023 15:16
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jan 19 00:36:05 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)

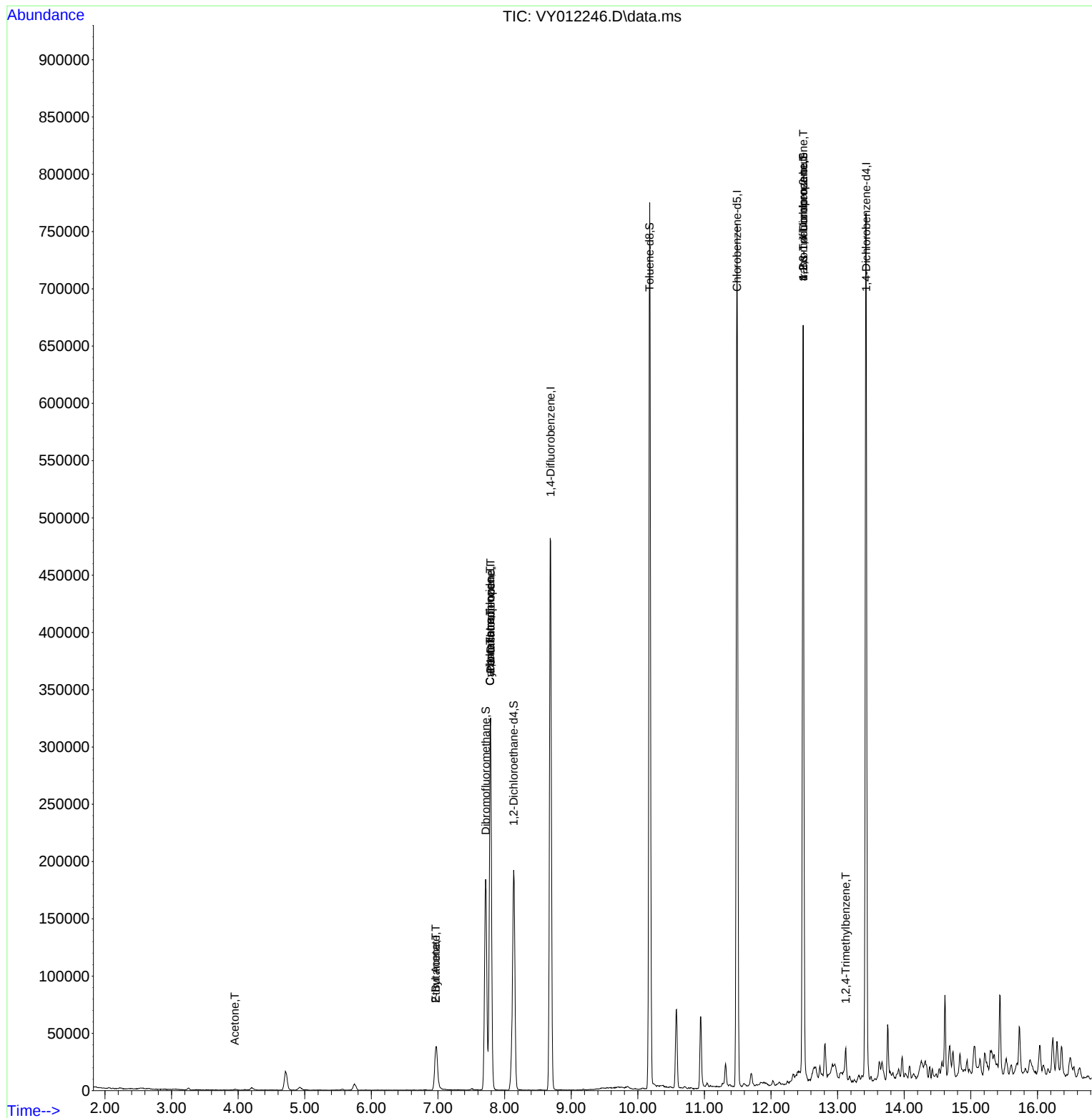
Internal Standards						
1) Pentafluorobenzene	7.789	168	261360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	438926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	427489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	207919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	144132	67.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.880%	
35) Dibromofluoromethane	7.716	113	131833	56.724	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.440%	
50) Toluene-d8	10.179	98	522917	66.354	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 132.700%	
62) 4-Bromofluorobenzene	12.483	95	193059	58.926	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	2665	Below Cal	#	74
16) Acetone	3.948	43	1222	1.679	ug/l	95
20) Methylene Chloride	4.710	84	13107	Below Cal		95
25) 2-Butanone	6.966	43	1993	2.481	ug/l	# 76
31) Cyclohexane	7.783	56	4263	1.119	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	17319	4.385	ug/l	# 50
37) Ethyl Acetate	6.966	43	1993	1.145	ug/l	# 1
38) Carbon Tetrachloride	7.783	117	24655	4.833	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	96928	50.697	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	96928	104.459	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.123	105	13992	1.089	ug/l	97

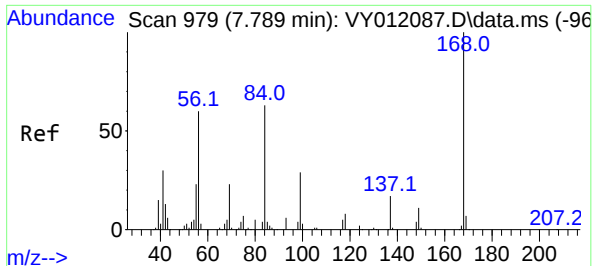
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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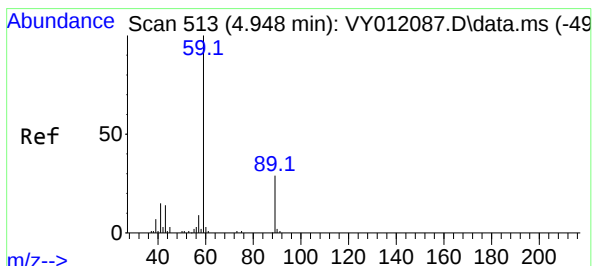
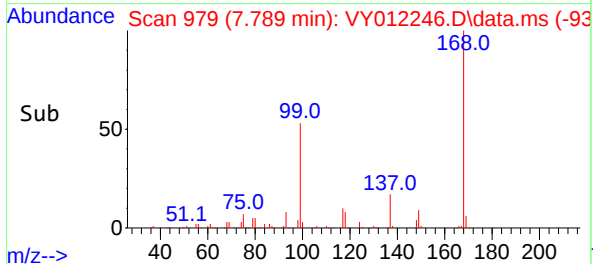
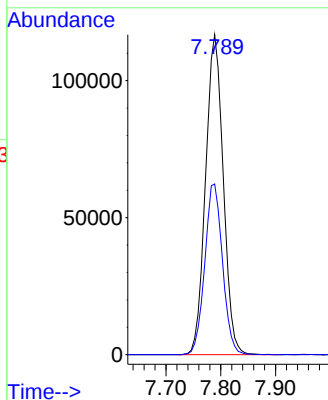
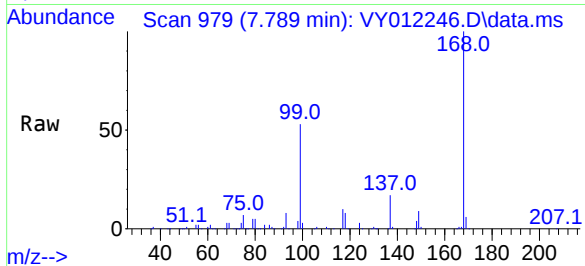




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

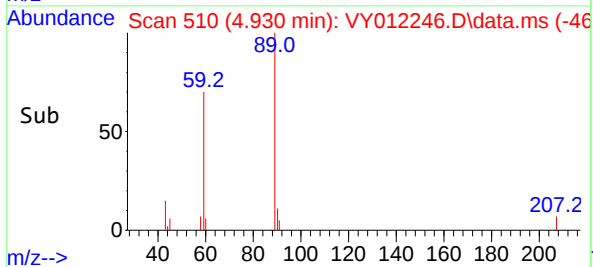
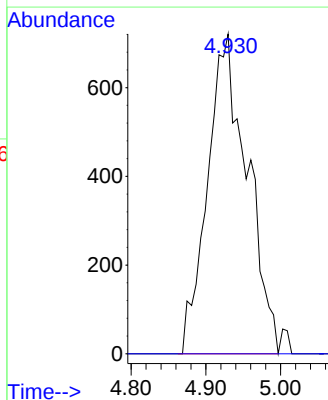
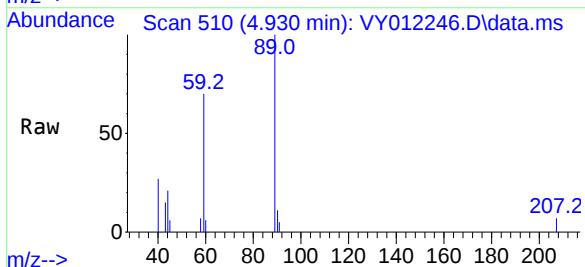
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

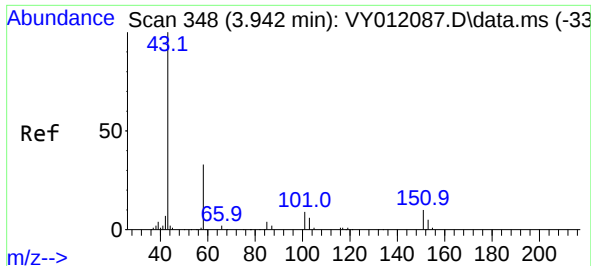
Tgt Ion:168 Resp: 261360
Ion Ratio Lower Upper
168 100
99 53.4 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

Tgt Ion: 59 Resp: 2665
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

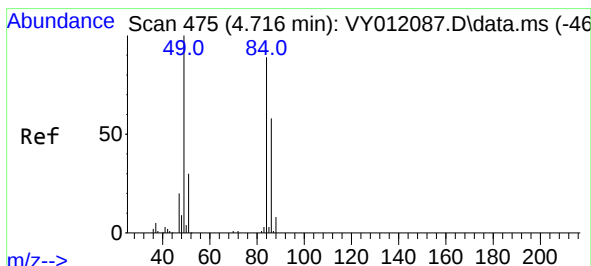
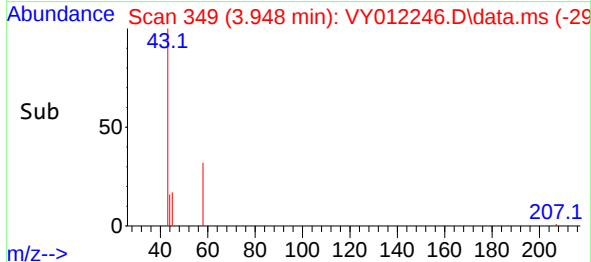
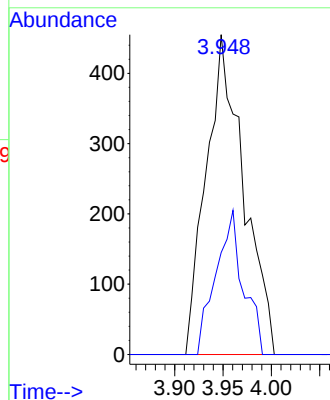
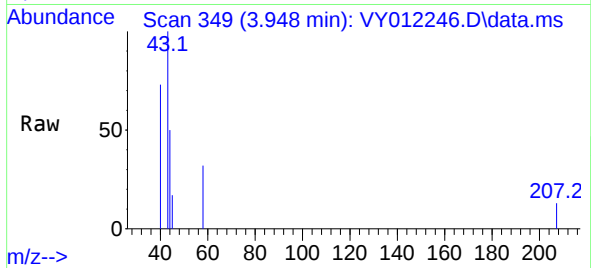




#16
Acetone
Concen: 1.679 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

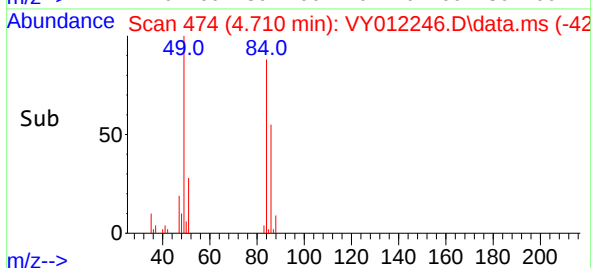
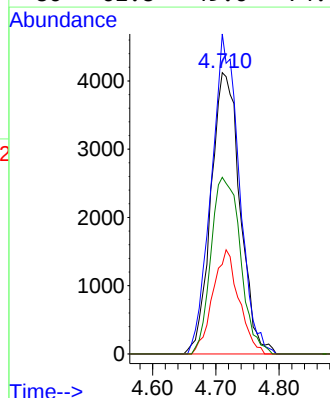
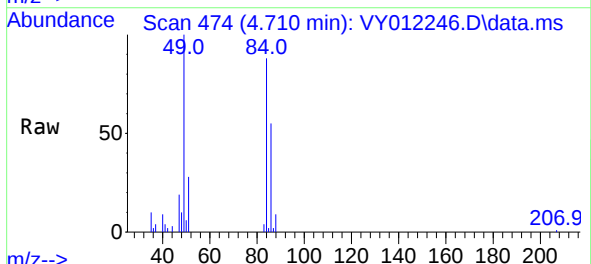
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

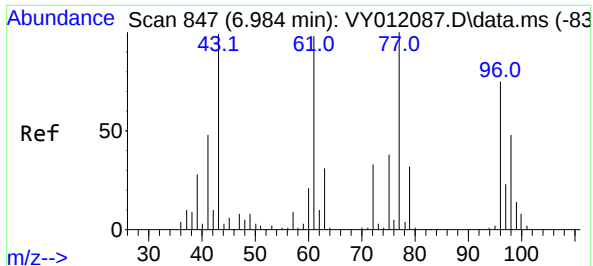
Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
58 31.9 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

Tgt Ion: 84 Resp: 13107
Ion Ratio Lower Upper
84 100
49 113.8 95.4 143.2
51 31.9 29.9 44.9
86 62.8 49.6 74.4





#25

2-Butanone

Concen: 2.481 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY012246.D

Acq: 18 Jan 2023 15:16

Instrument :

MSVOA_Y

ClientSampleId :

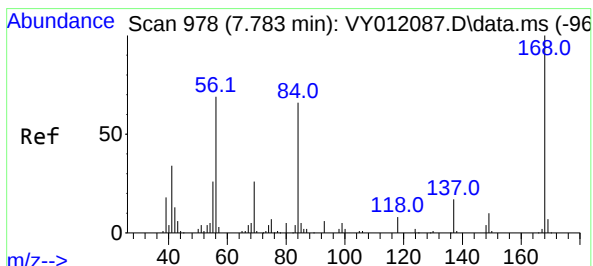
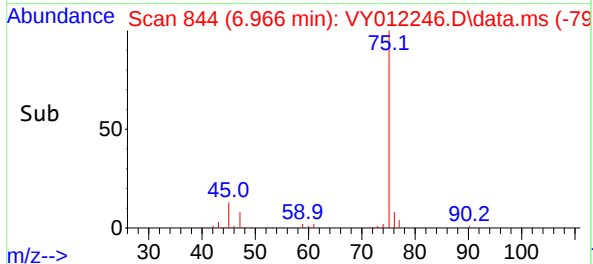
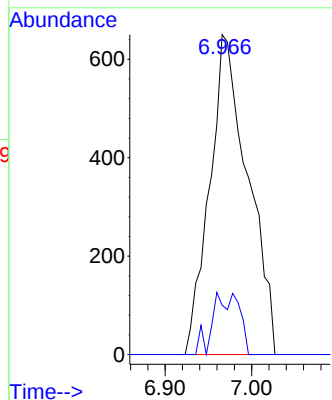
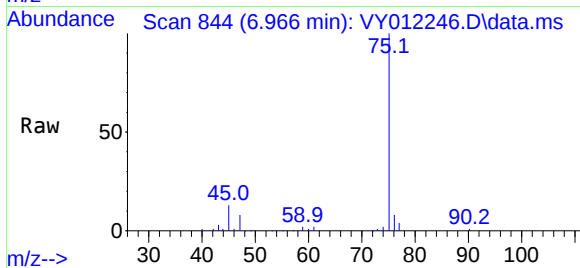
VIBLK

Tgt Ion: 43 Resp: 1993

Ion Ratio Lower Upper

43 100

72 15.4 22.6 34.0#



#31

Cyclohexane

Concen: 1.119 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012246.D

Acq: 18 Jan 2023 15:16

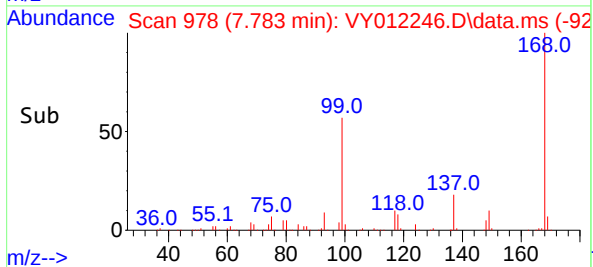
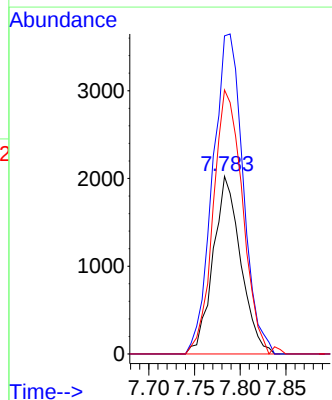
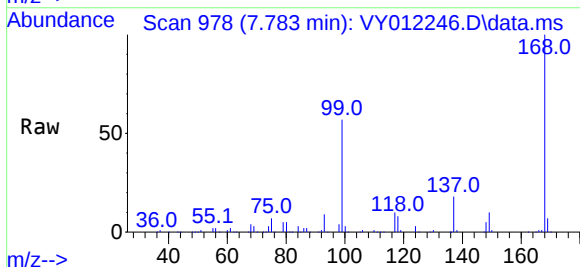
Tgt Ion: 56 Resp: 4263

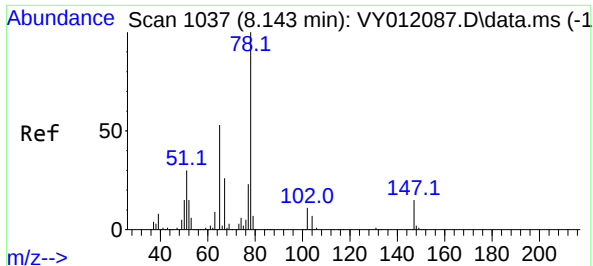
Ion Ratio Lower Upper

56 100

69 179.1 29.2 43.8#

84 148.6 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 67.942 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY012246.D

Acq: 18 Jan 2023 15:16

Instrument :

MSVOA_Y

ClientSampleId :

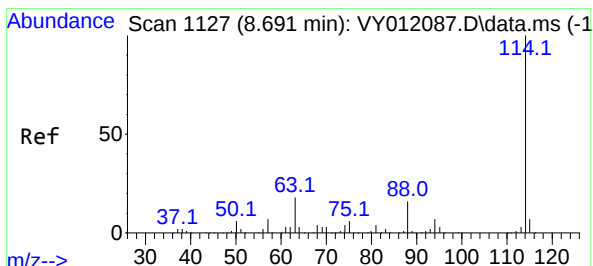
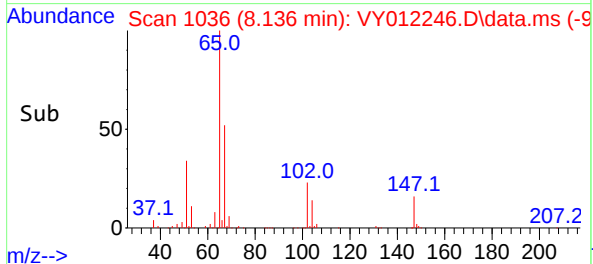
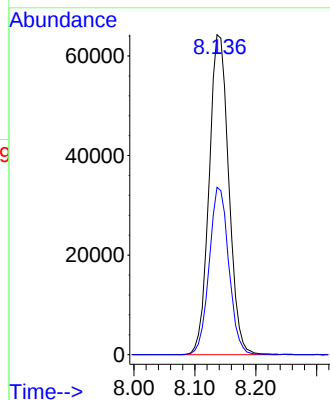
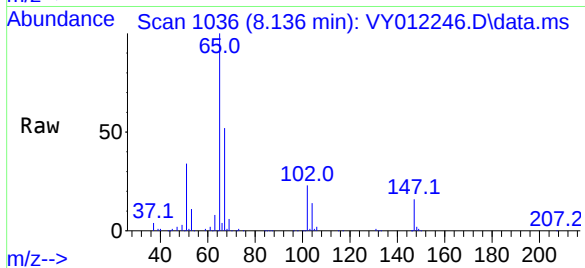
VIBLK

Tgt Ion: 65 Resp: 144132

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: VY012246.D

Acq: 18 Jan 2023 15:16

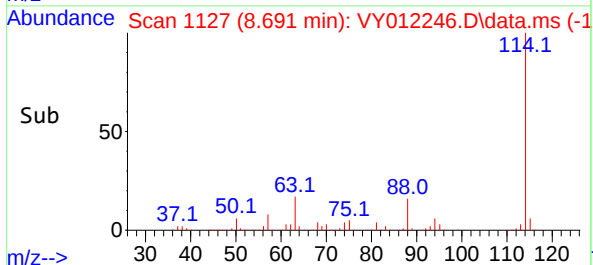
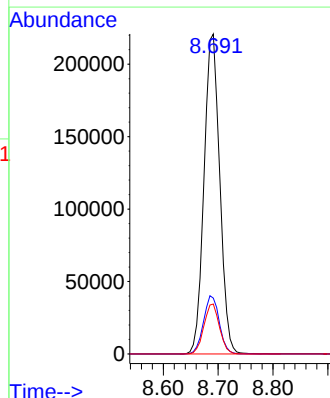
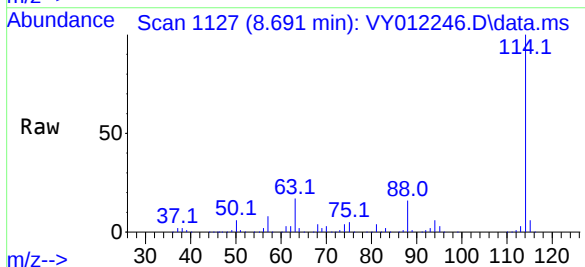
Tgt Ion: 114 Resp: 438926

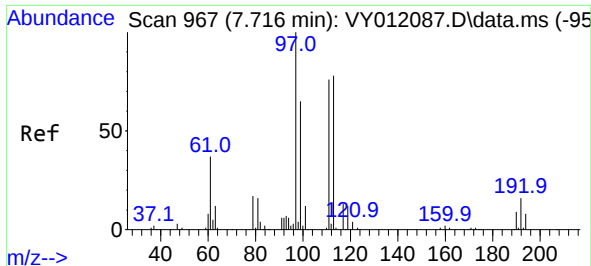
Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.6

88 15.6 0.0 32.2

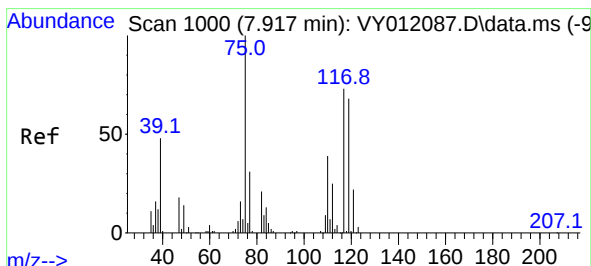
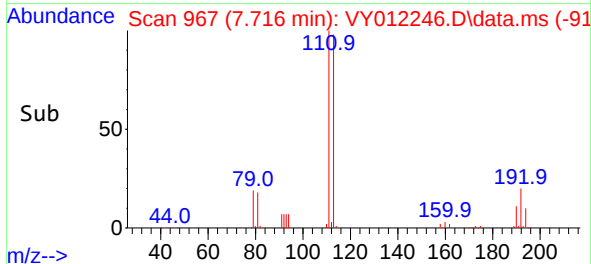
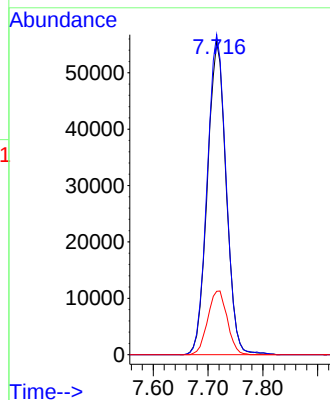
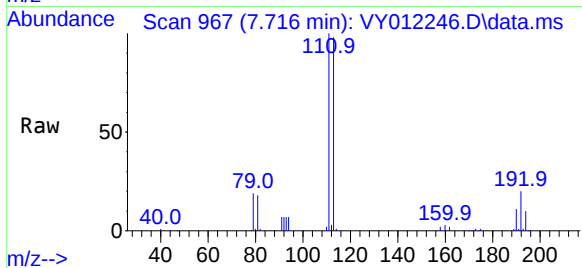




#35
Dibromofluoromethane
Concen: 56.724 ug/l
RT: 7.716 min Scan# 912
Delta R.T. -0.000 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

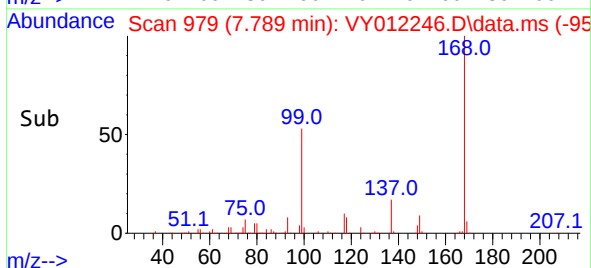
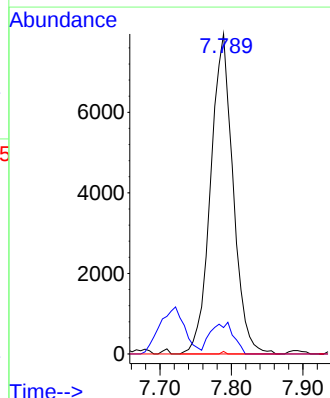
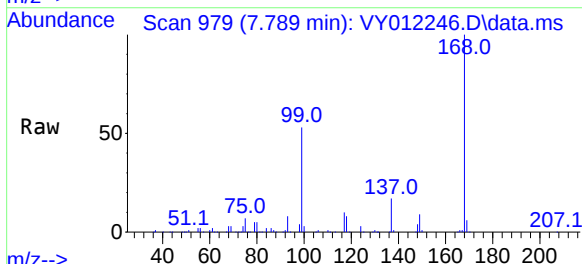
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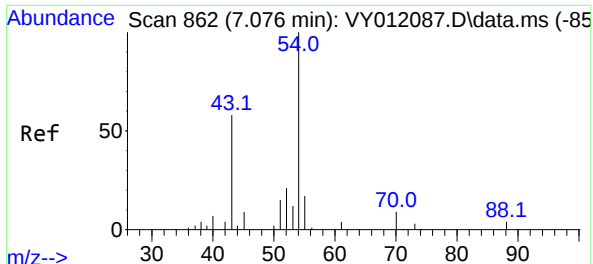
Tgt Ion:113 Resp: 131833
Ion Ratio Lower Upper
113 100
111 102.6 83.0 124.4
192 21.1 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.385 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

Tgt Ion: 75 Resp: 17319
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.1#
77 0.1 25.1 37.7#

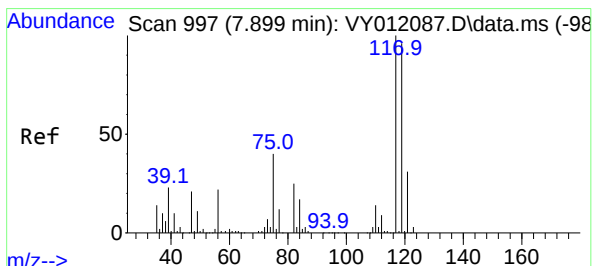
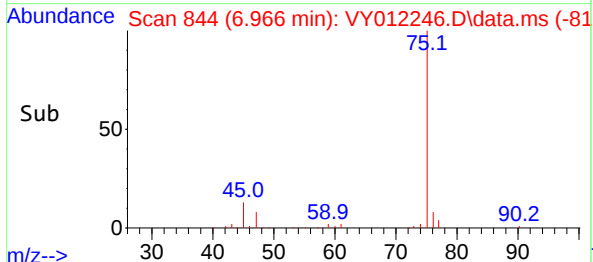
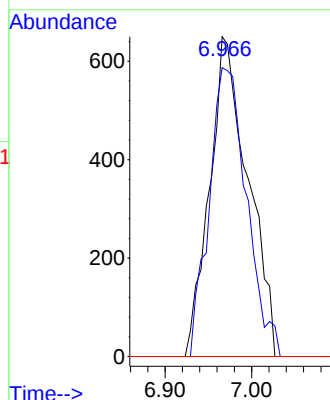
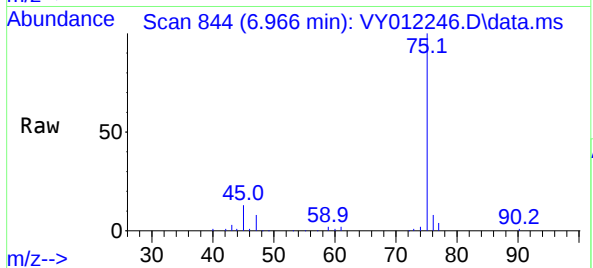




#37
Ethyl Acetate
Concen: 1.145 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.110 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

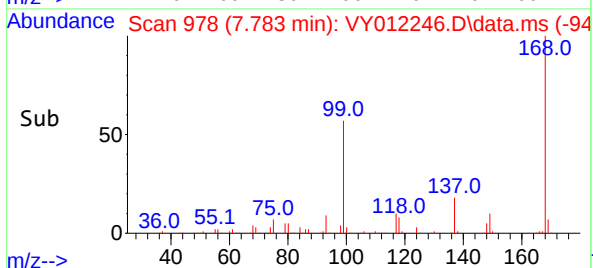
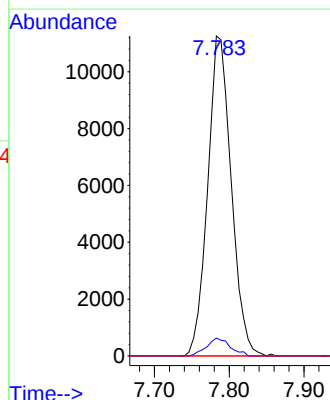
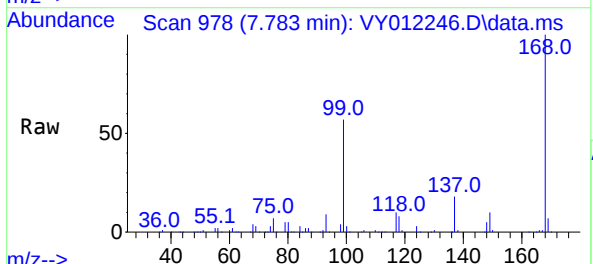
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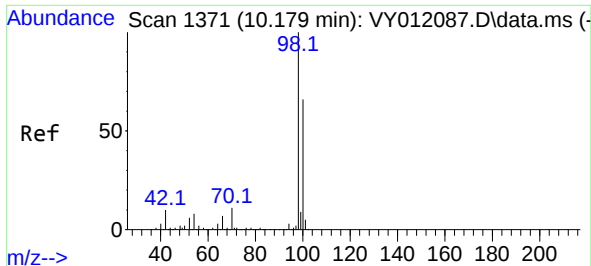
Tgt Ion: 43 Resp: 1993
Ion Ratio Lower Upper
43 100
61 88.4 11.3 16.9#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 4.833 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

Tgt Ion: 117 Resp: 24655
Ion Ratio Lower Upper
117 100
119 5.6 73.8 110.8#
121 0.0 25.2 37.8#

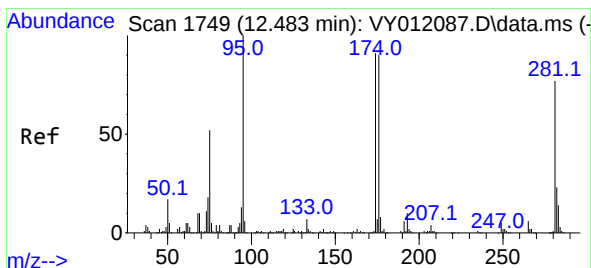
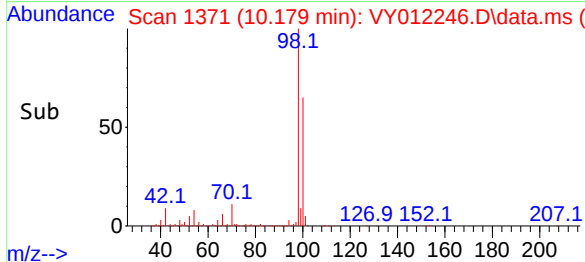
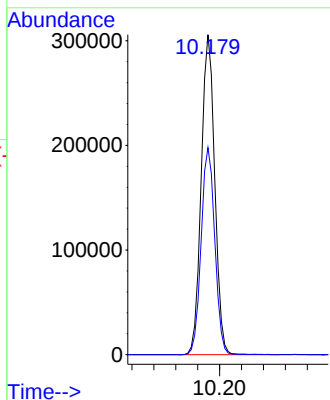
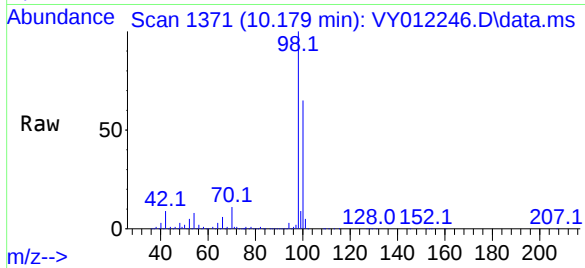




#50
Toluene-d8
Concen: 66.354 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

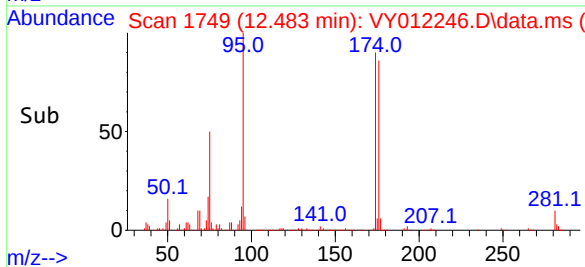
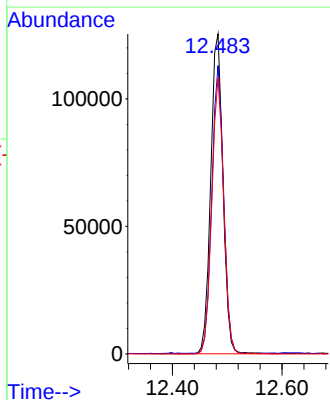
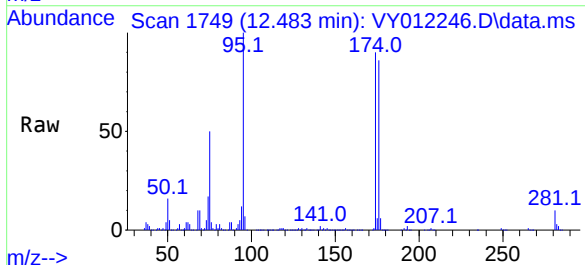
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

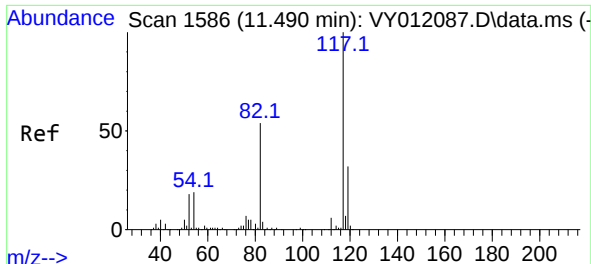
Tgt Ion: 98 Resp: 522917
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 58.926 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

Tgt Ion: 95 Resp: 193059
Ion Ratio Lower Upper
95 100
174 87.6 0.0 172.0
176 84.5 0.0 167.6

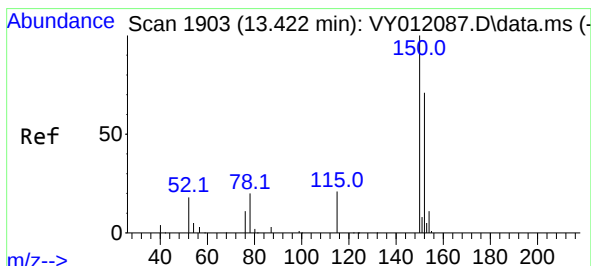
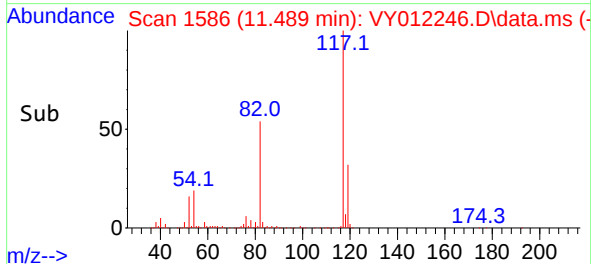
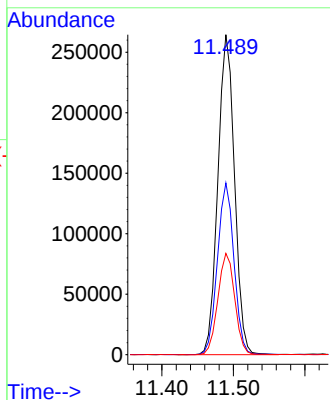
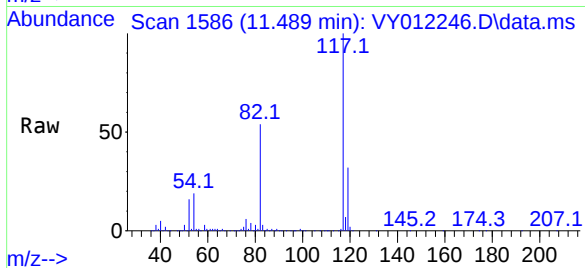




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

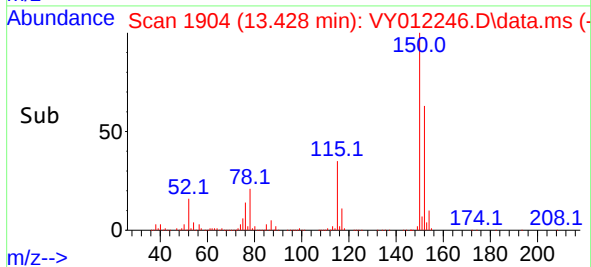
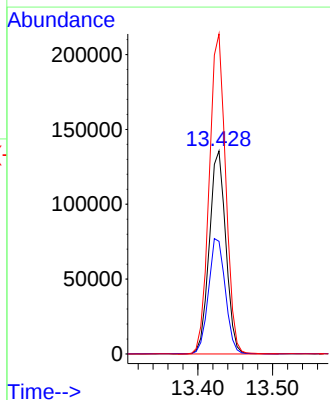
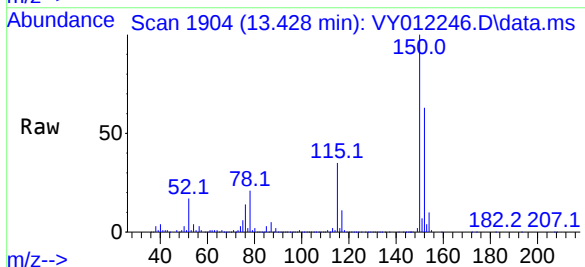
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

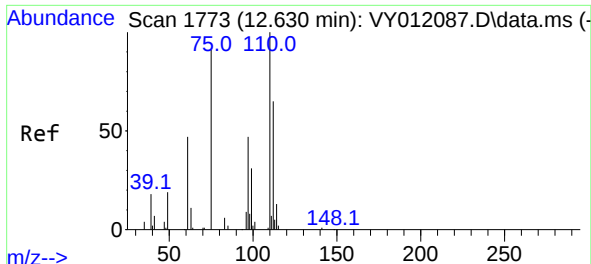
Tgt Ion:117 Resp: 427489
Ion Ratio Lower Upper
117 100
82 53.6 44.8 67.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

Tgt Ion:152 Resp: 207919
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.3
150 157.3 0.0 342.6

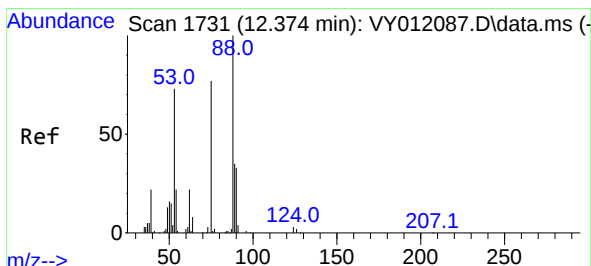
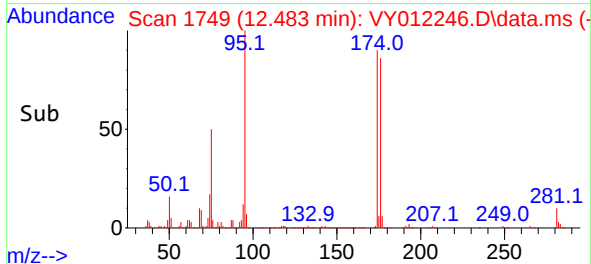
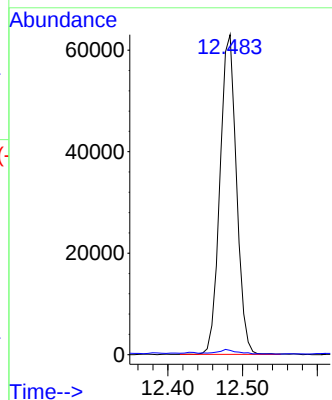
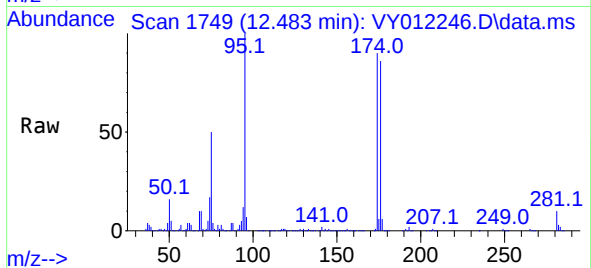




#76
1,2,3-Trichloropropane
Concen: 50.697 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

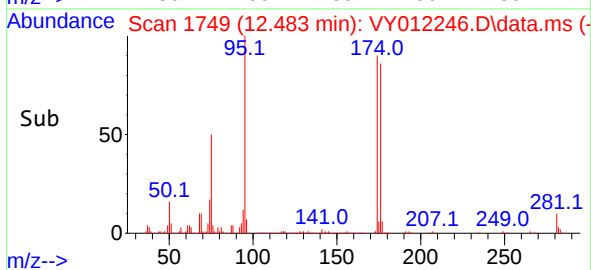
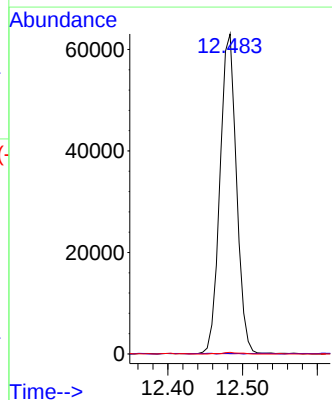
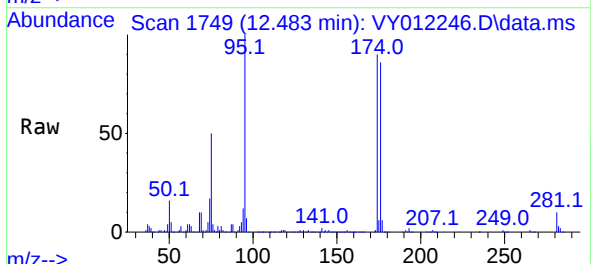
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 96928
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

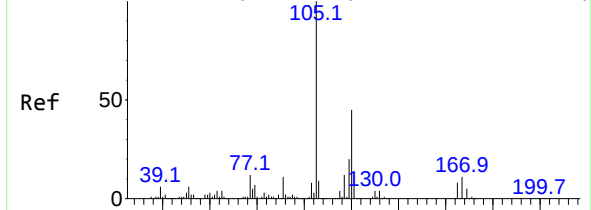


#81
trans-1,4-Dichloro-2-butene
Concen: 104.459 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

Tgt Ion: 75 Resp: 96928
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.5 37.0 55.4#



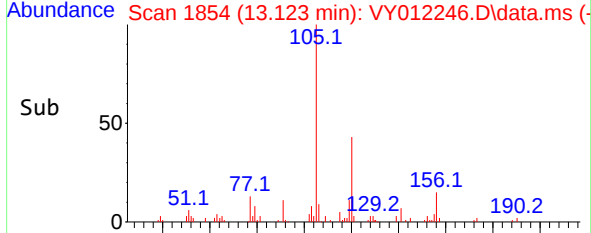
Abundance Scan 1853 (13.117 min): VY012087.D\data.ms (-



Abundance Scan 1854 (13.123 min): VY012246.D\data.ms (-



Abundance Scan 1854 (13.123 min): VY012246.D\data.ms (-



#84
1,2,4-Trimethylbenzene
Concen: 1.089 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY012246.D
Acq: 18 Jan 2023 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:105 Resp: 13992
Ion Ratio Lower Upper
105 100
120 44.0 22.9 68.7

