

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010623\
 Data File : VY012090.D
 Acq On : 06 Jan 2023 14:16
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jan 07 01:48:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

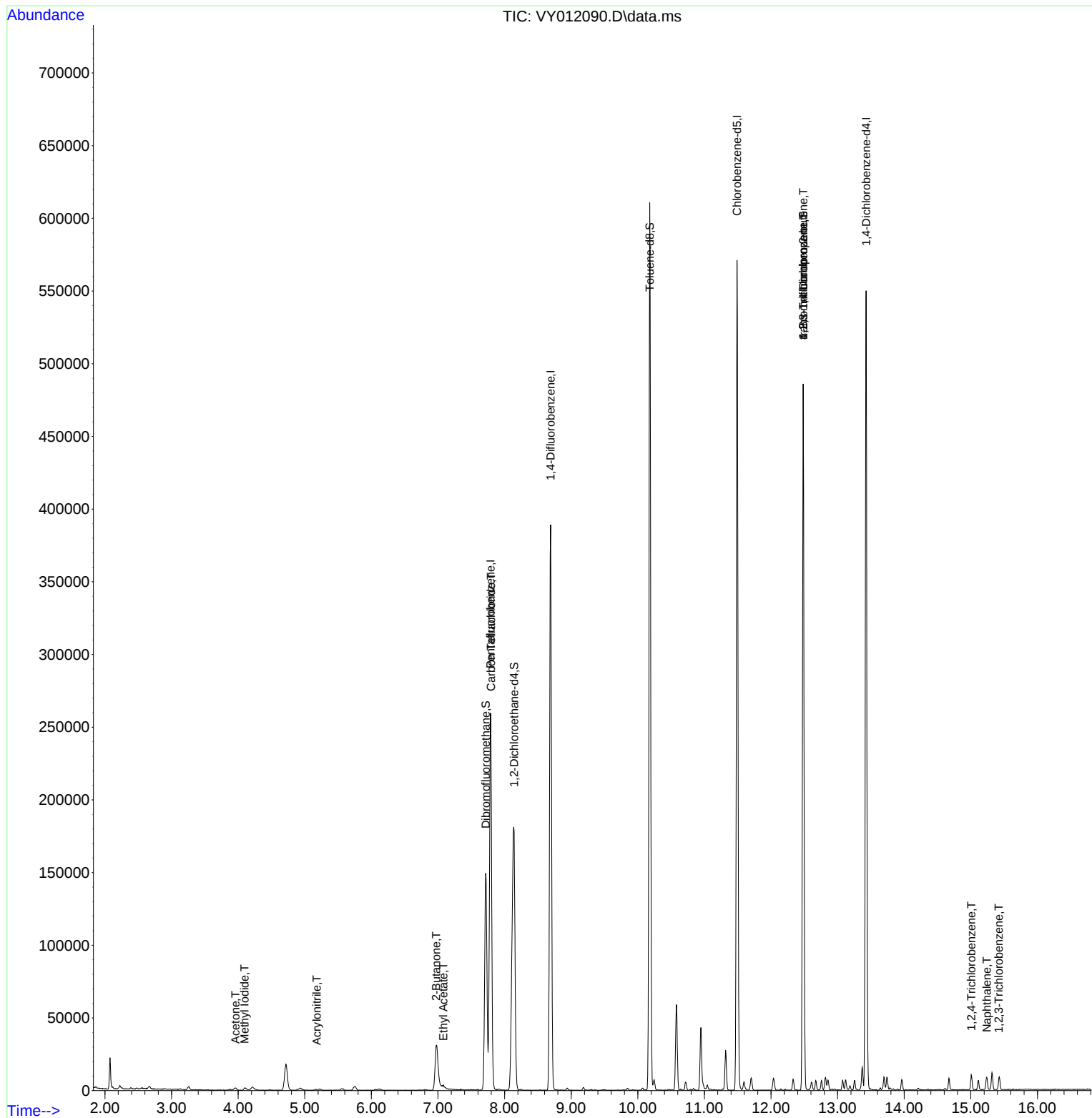
Internal Standards						
1) Pentafluorobenzene	7.789	168	204760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	345117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	319856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	116179	50.495	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.980%	
35) Dibromofluoromethane	7.716	113	105339	46.438	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.880%	
50) Toluene-d8	10.179	98	409950	45.787	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.580%	
62) 4-Bromofluorobenzene	12.483	95	135746	43.375	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.740%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	123	Below Cal	#	41
3) Chloromethane	2.119	50	635	Below Cal	#	66
5) Bromomethane	2.668	94	1203	Below Cal		95
10) Methyl Iodide	4.094	142	2819	1.019	ug/l	96
11) Tert butyl alcohol	4.936	59	1399	Below Cal	#	74
13) Acrolein	3.741	56	132	Below Cal	#	14
15) Acrylonitrile	5.179	53	728	1.277	ug/l	# 18
16) Acetone	3.960	43	2857	5.279	ug/l	# 79
17) Carbon Disulfide	4.198	76	697	Below Cal	#	75
25) 2-Butanone	6.972	43	3043	4.261	ug/l	# 76
31) Cyclohexane	7.789	56	4543	Below Cal	#	39
37) Ethyl Acetate	7.082	43	1965	1.066	ug/l	# 91
38) Carbon Tetrachloride	7.795	117	20414	4.673	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	72315	43.128	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	72315	95.781	ug/l	# 13
93) 1,2,4-Trichlorobenzene	15.007	180	3302	1.070	ug/l	98
95) Naphthalene	15.239	128	8572	1.404	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	3356	1.251	ug/l	98

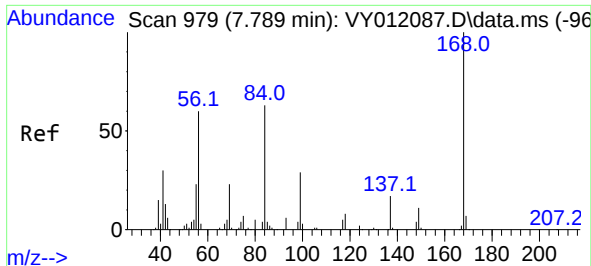
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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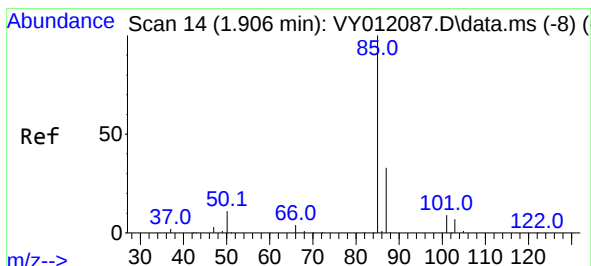
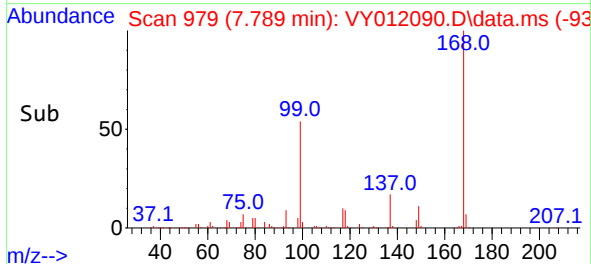
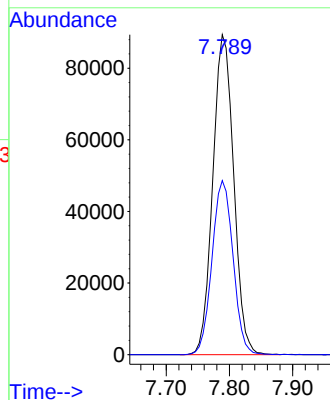
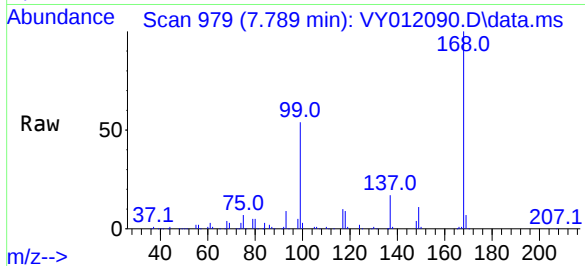




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

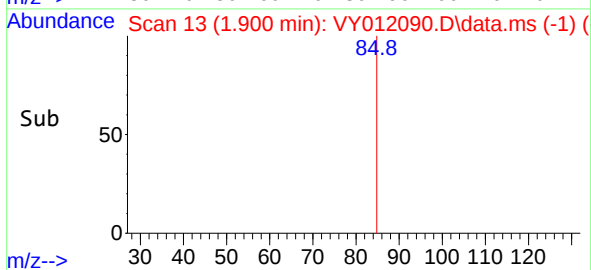
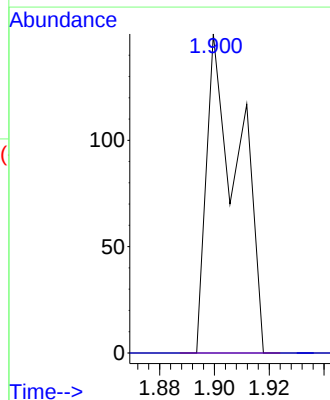
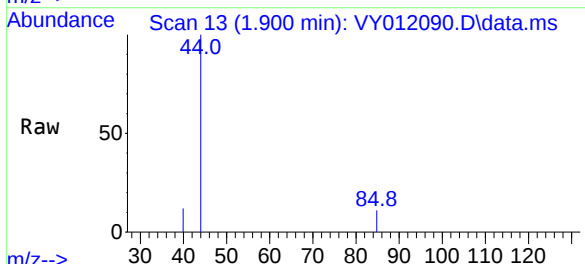
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:168 Resp: 204760
Ion Ratio Lower Upper
168 100
99 54.4 44.0 66.0

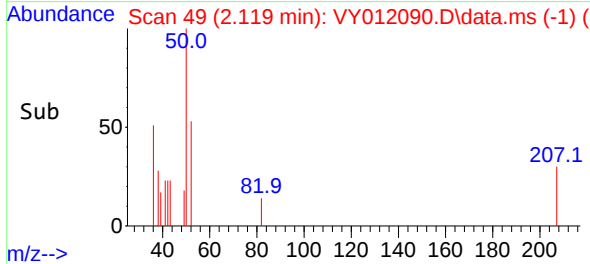
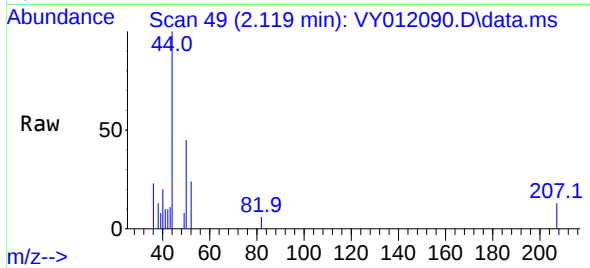
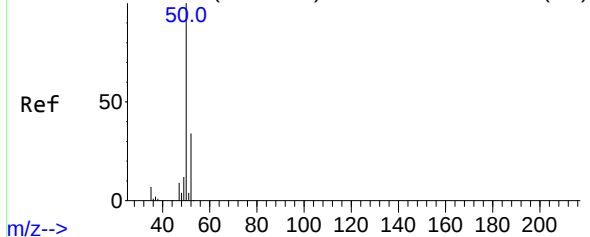


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

Tgt Ion: 85 Resp: 123
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY012090.D

Acq: 06 Jan 2023 14:16

Instrument :

MSVOA_Y

ClientSampleId :

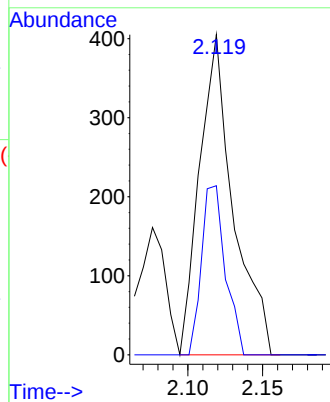
VIBLK

Tgt Ion: 50 Resp: 635

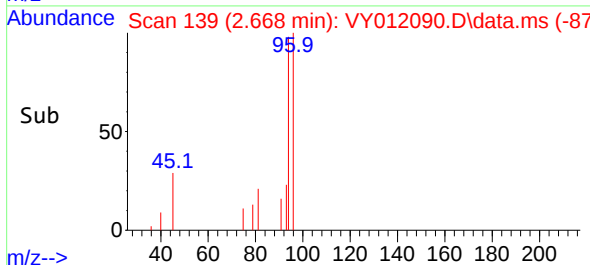
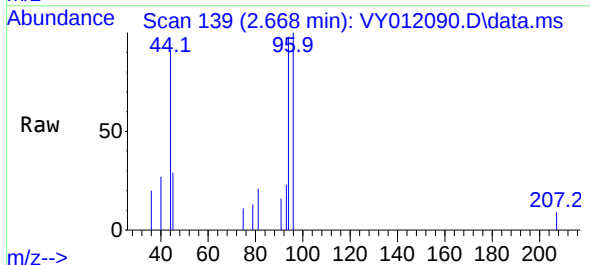
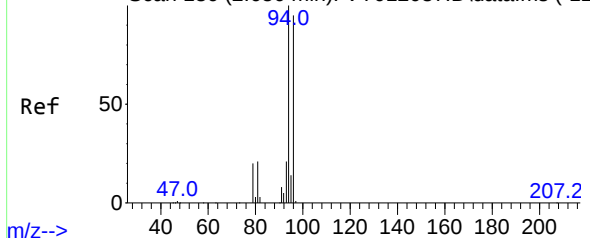
Ion Ratio Lower Upper

50 100

52 52.8 26.8 40.2#



Abundance Scan 136 (2.650 min): VY012087.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.668 min Scan# 139

Delta R.T. 0.018 min

Lab File: VY012090.D

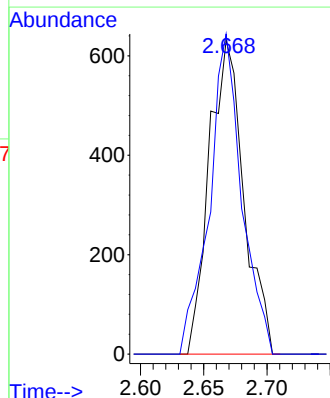
Acq: 06 Jan 2023 14:16

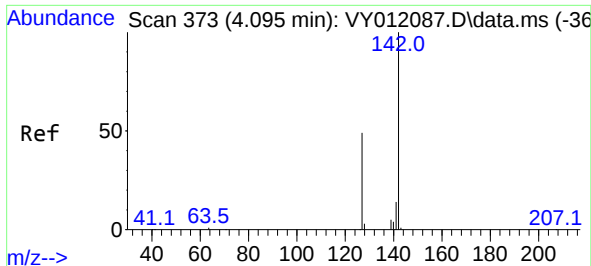
Tgt Ion: 94 Resp: 1203

Ion Ratio Lower Upper

94 100

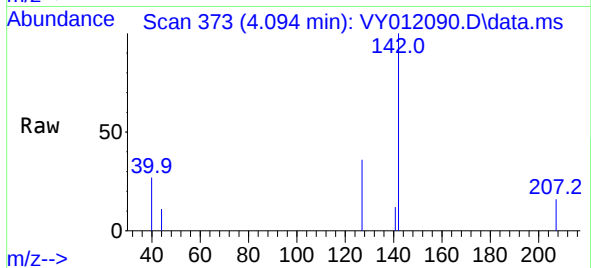
96 102.1 77.4 116.2



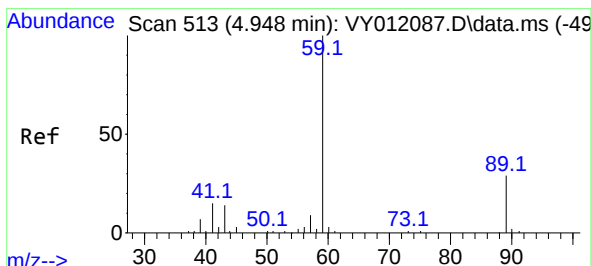
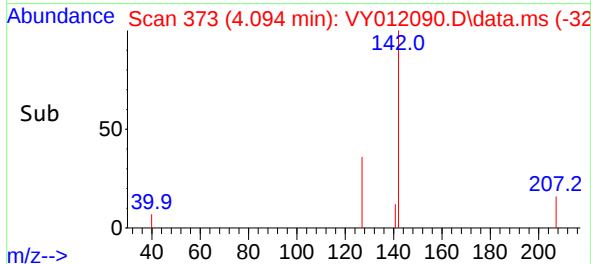
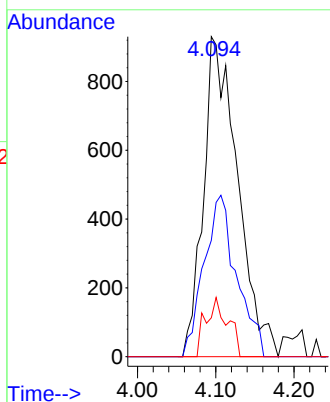


#10
Methyl Iodide
Concen: 1.019 ug/l
RT: 4.094 min Scan# 31
Delta R.T. -0.001 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

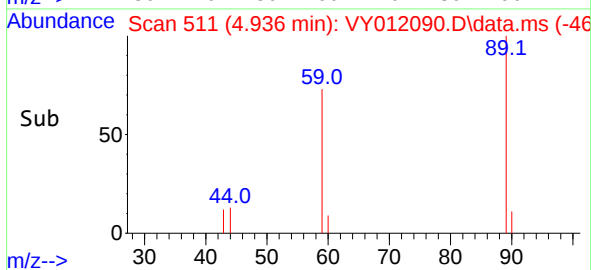
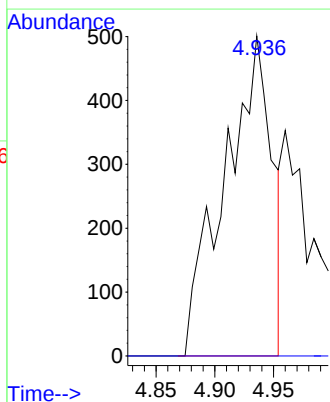
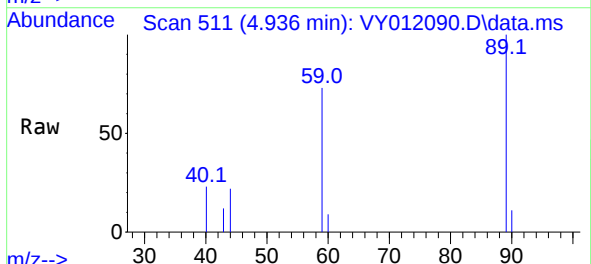


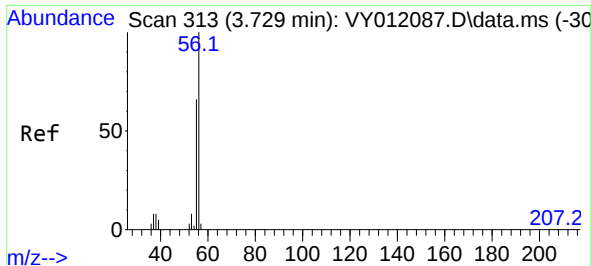
Tgt Ion:142 Resp: 2819
Ion Ratio Lower Upper
142 100
127 48.3 37.0 55.4
141 11.9 11.4 17.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

Tgt Ion: 59 Resp: 1399
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

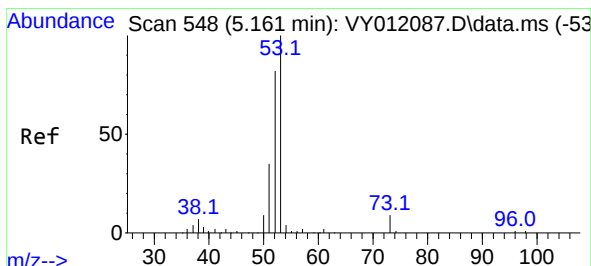
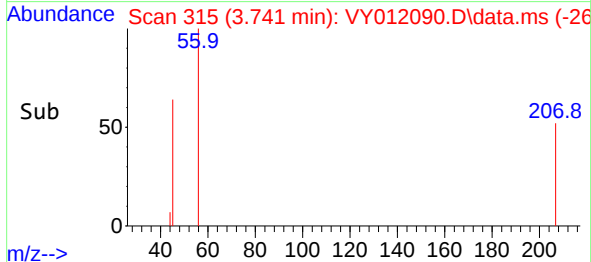
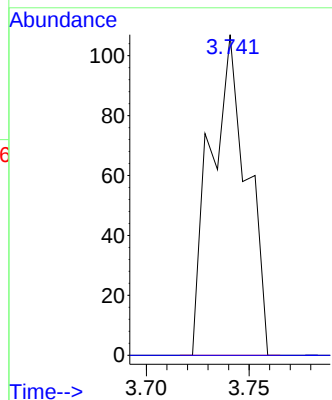
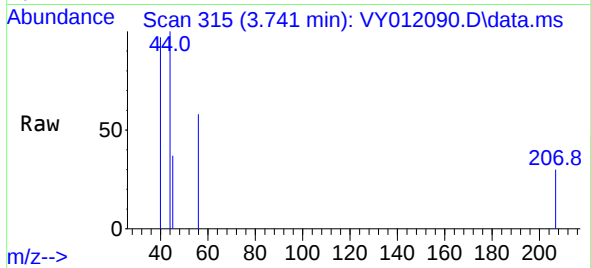




#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 313
Delta R.T. 0.012 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

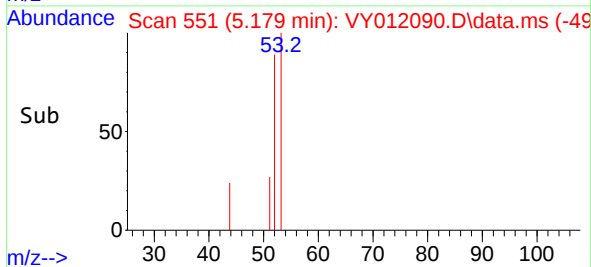
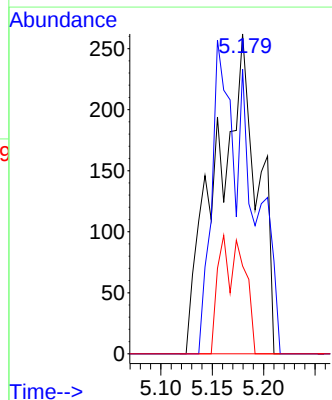
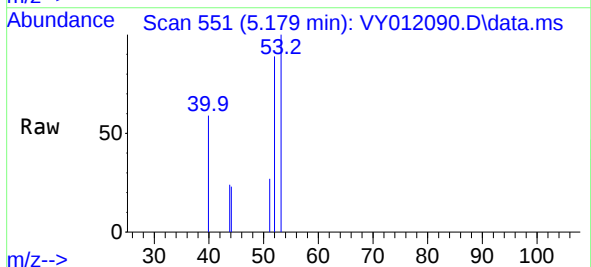
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

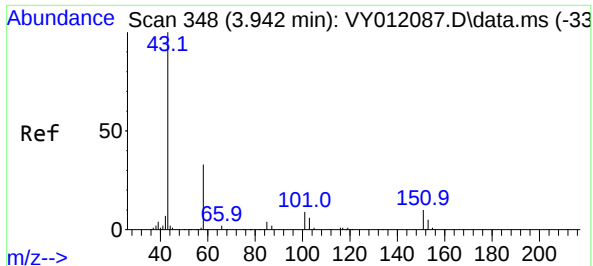
Tgt Ion: 56 Resp: 132
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#15
Acrylonitrile
Concen: 1.277 ug/l
RT: 5.179 min Scan# 551
Delta R.T. 0.018 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

Tgt Ion: 53 Resp: 728
Ion Ratio Lower Upper
53 100
52 0.0 65.1 97.7#
51 0.0 28.7 43.1#

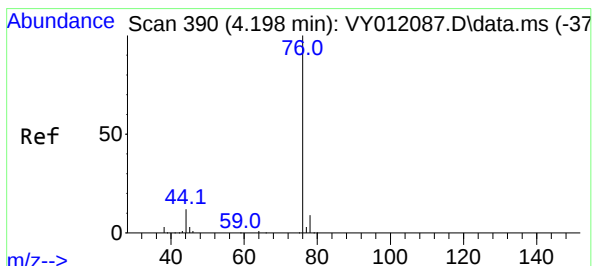
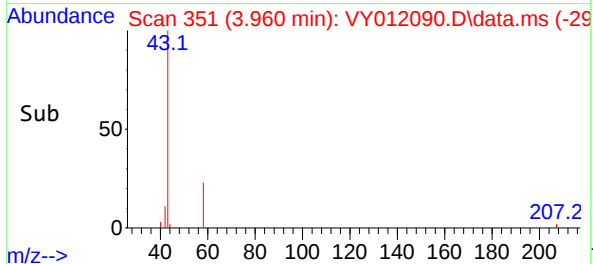
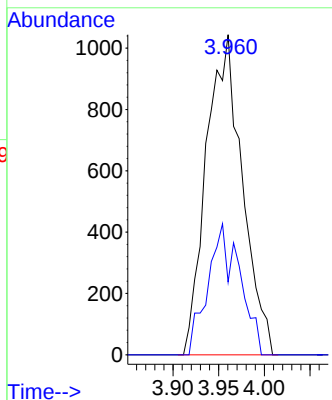
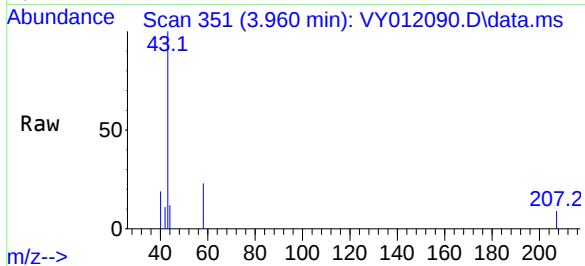




#16
Acetone
Concen: 5.279 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

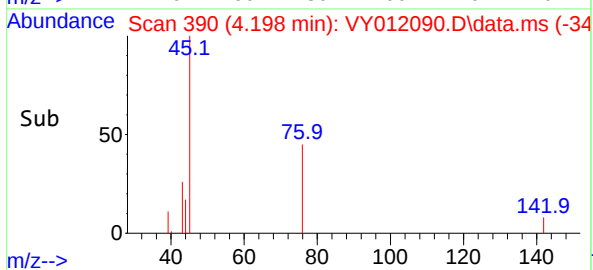
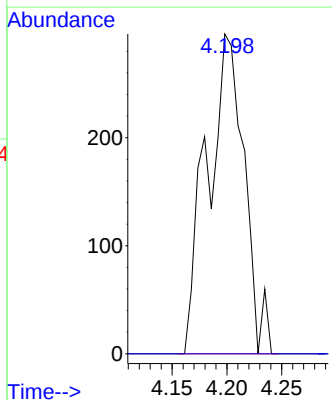
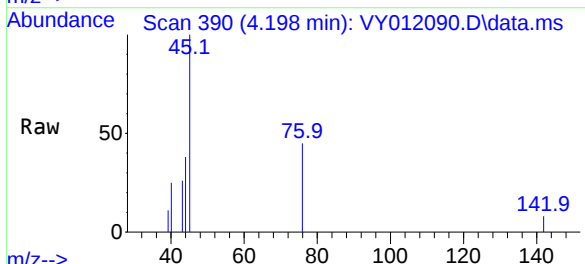
Instrument :
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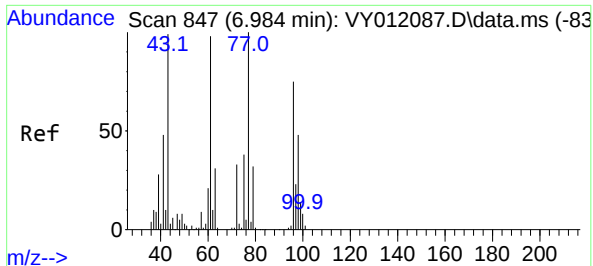
Tgt Ion: 43 Resp: 2857
Ion Ratio Lower Upper
43 100
58 22.7 27.9 41.9#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

Tgt Ion: 76 Resp: 697
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#25

2-Butanone

Concen: 4.261 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY012090.D

Acq: 06 Jan 2023 14:16

Instrument :

MSVOA_Y

ClientSampleId :

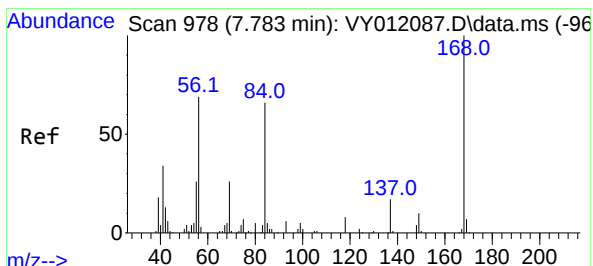
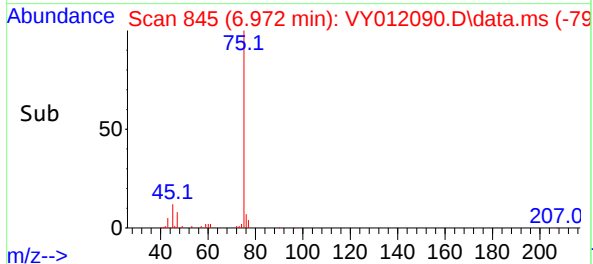
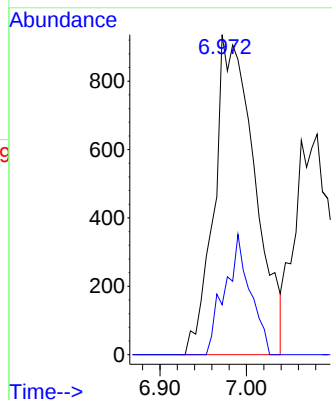
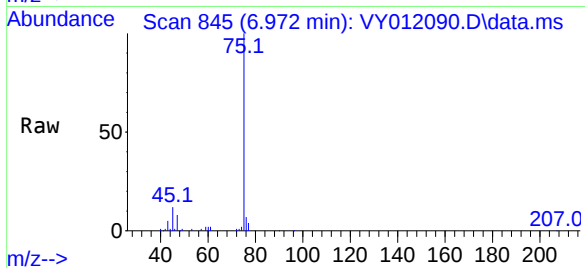
VIBLK

Tgt Ion: 43 Resp: 3043

Ion Ratio Lower Upper

43 100

72 15.6 22.6 34.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012090.D

Acq: 06 Jan 2023 14:16

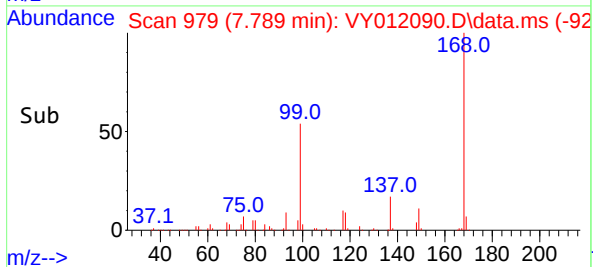
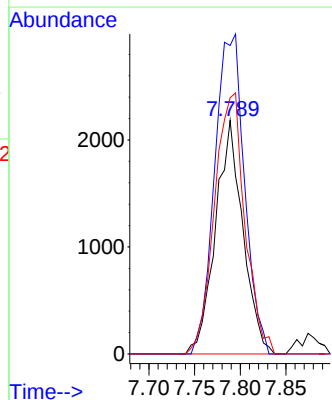
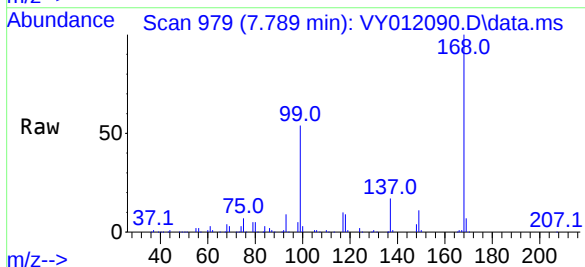
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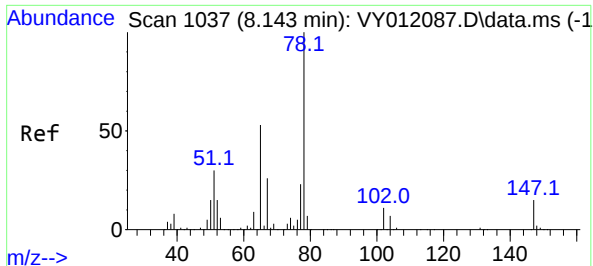
Ion Ratio Lower Upper

56 100

69 132.1 29.2 43.8#

84 109.7 72.6 108.8#

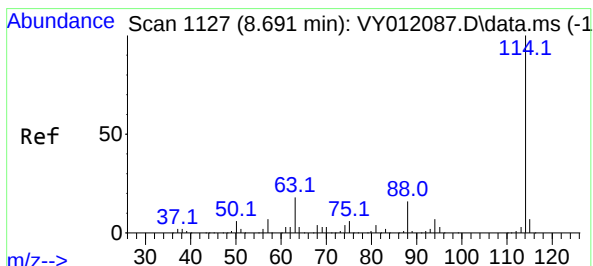
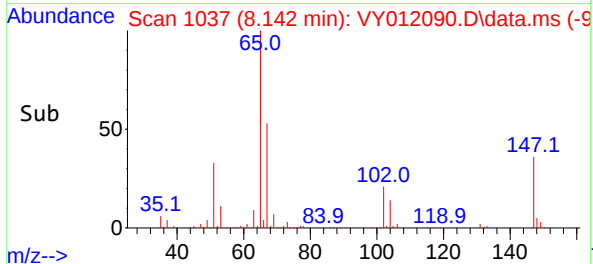
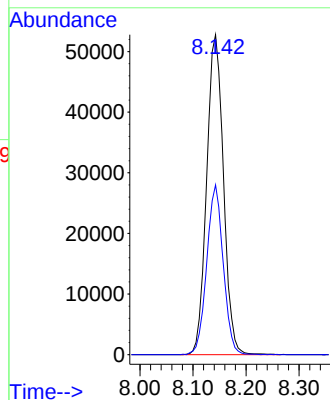
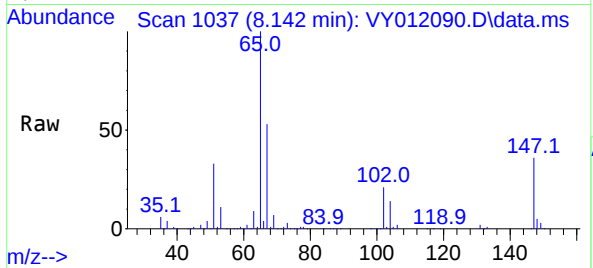




#33
1,2-Dichloroethane-d4
Concen: 50.495 ug/l
RT: 8.142 min Scan# 110
Delta R.T. -0.001 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

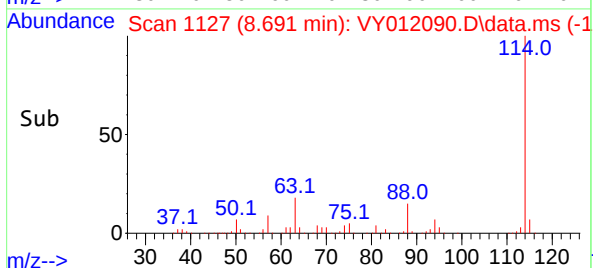
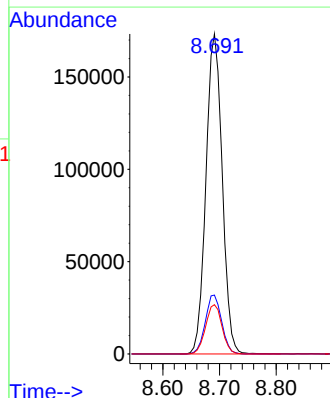
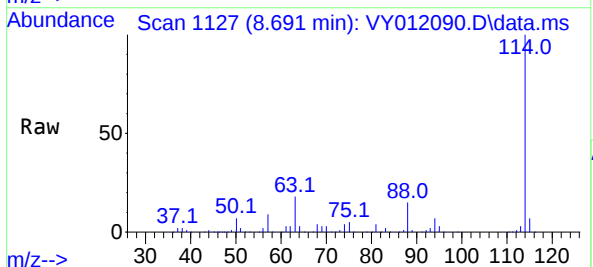
Instrument :
MSVOA_Y
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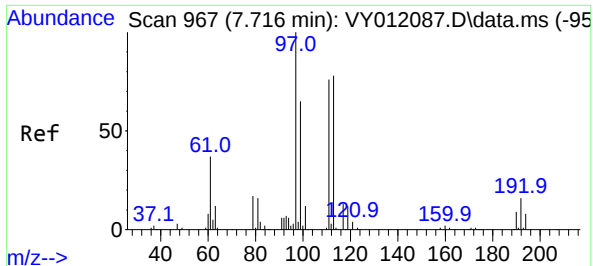
Tgt Ion: 65 Resp: 116179
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

Tgt Ion:114 Resp: 345117
Ion Ratio Lower Upper
114 100
63 18.4 0.0 39.6
88 15.4 0.0 32.2



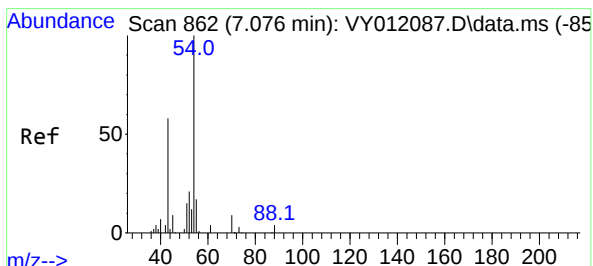
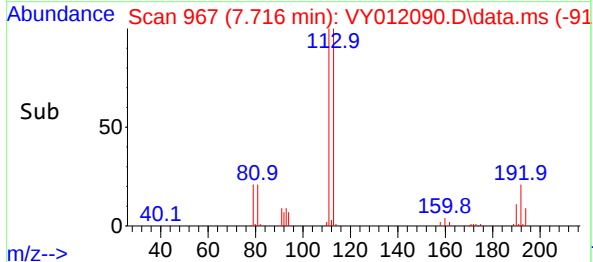
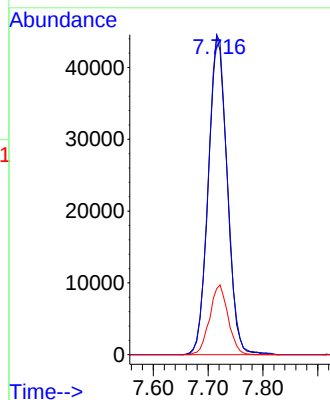
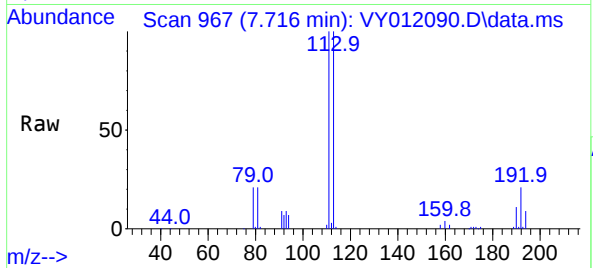


#35
Dibromofluoromethane
Concen: 46.438 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 113 Resp: 105339

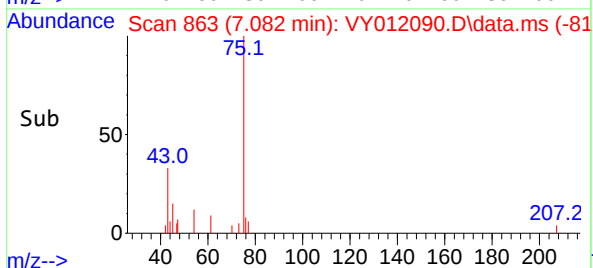
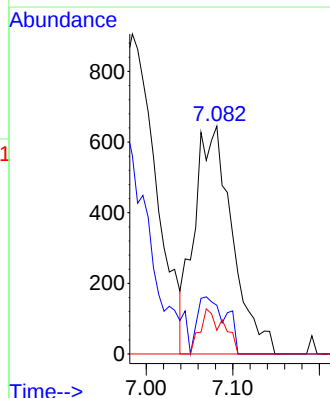
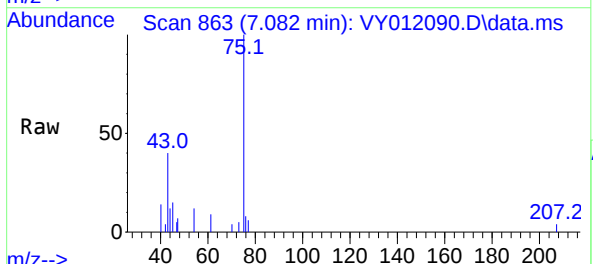
Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.4
192	21.4	16.0	24.0

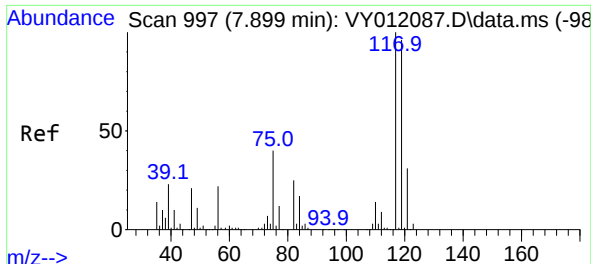


#37
Ethyl Acetate
Concen: 1.066 ug/l
RT: 7.082 min Scan# 863
Delta R.T. 0.006 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

Tgt Ion: 43 Resp: 1965

Ion	Ratio	Lower	Upper
43	100		
61	18.9	11.3	16.9#
70	12.2	8.2	12.4

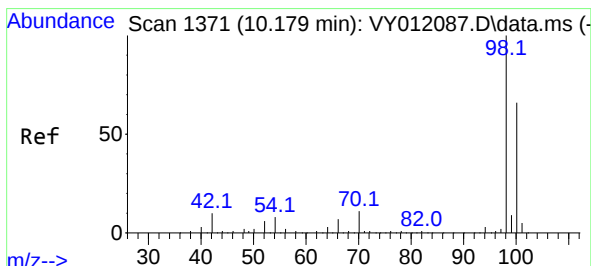
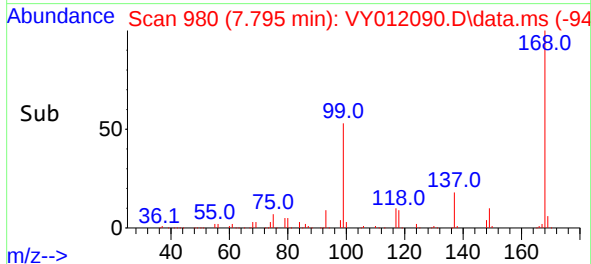
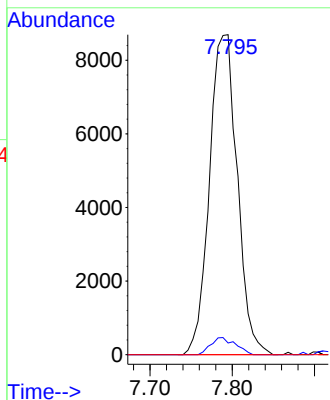
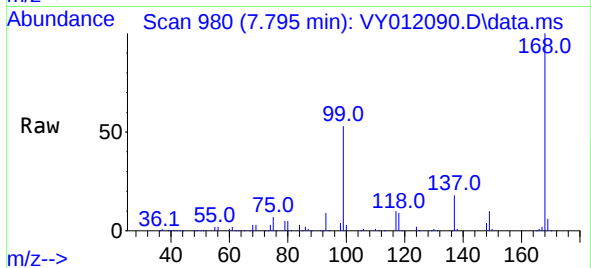




#38
Carbon Tetrachloride
Concen: 4.673 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

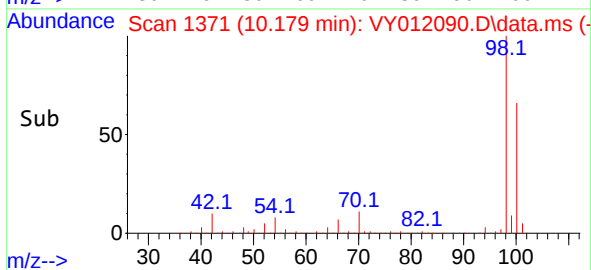
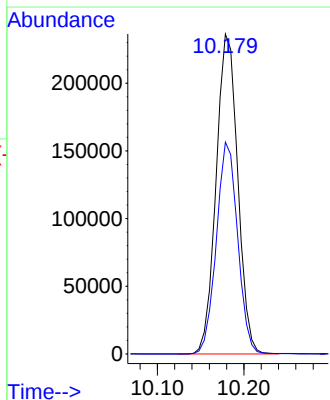
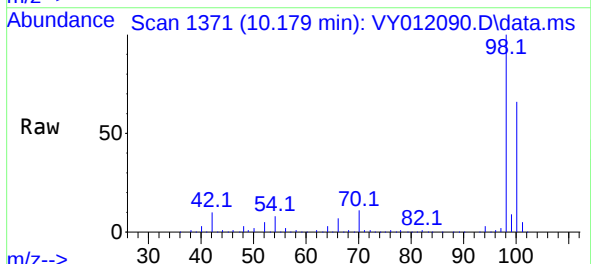
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

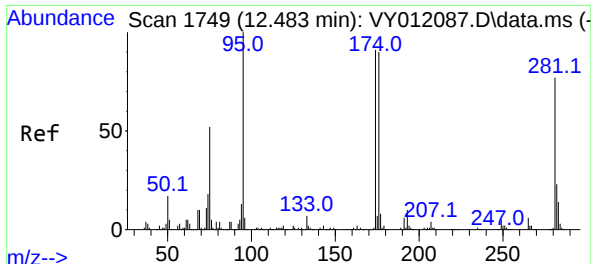
Tgt Ion:117 Resp: 20414
Ion Ratio Lower Upper
117 100
119 3.7 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 45.787 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

Tgt Ion: 98 Resp: 409950
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

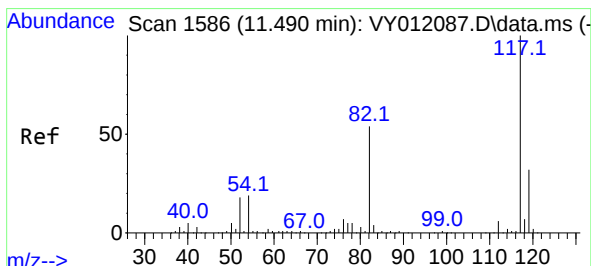
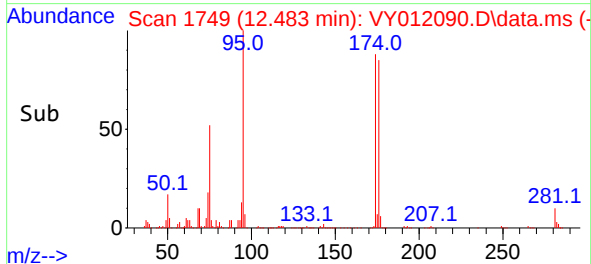
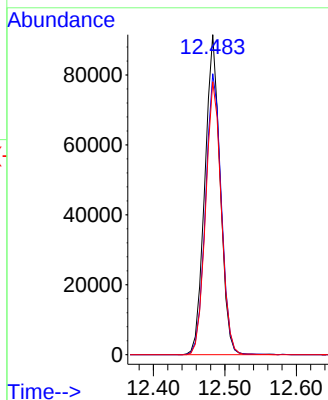
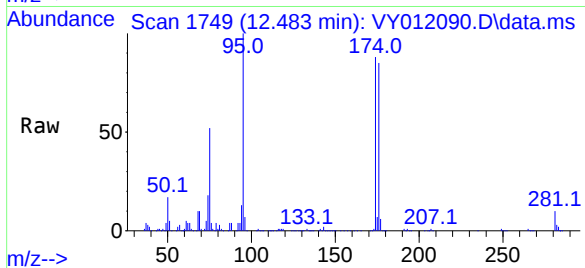




#62
4-Bromofluorobenzene
Concen: 43.375 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

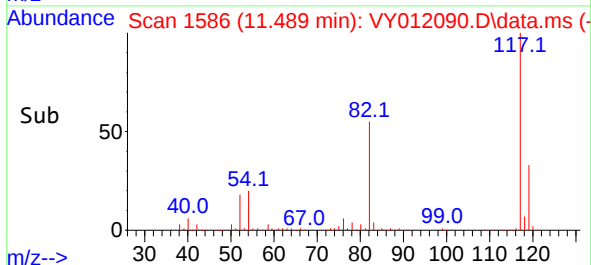
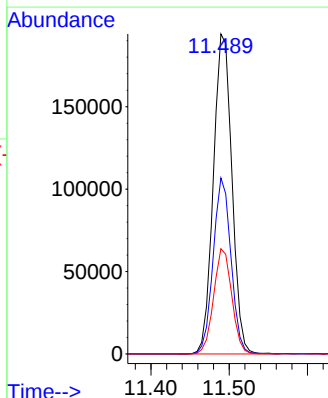
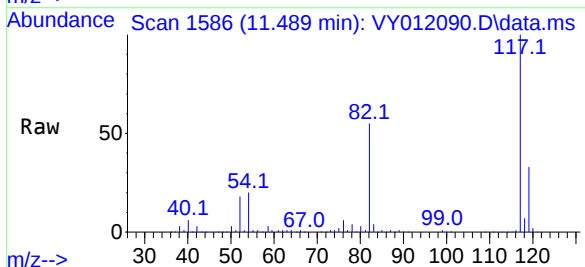
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

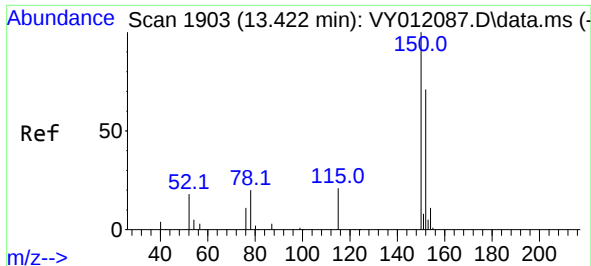
Tgt Ion: 95 Resp: 135746
Ion Ratio Lower Upper
95 100
174 90.5 0.0 172.0
176 86.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

Tgt Ion: 117 Resp: 319856
Ion Ratio Lower Upper
117 100
82 55.0 44.8 67.2
119 32.9 25.4 38.2

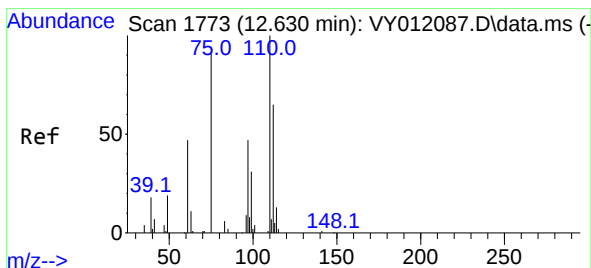
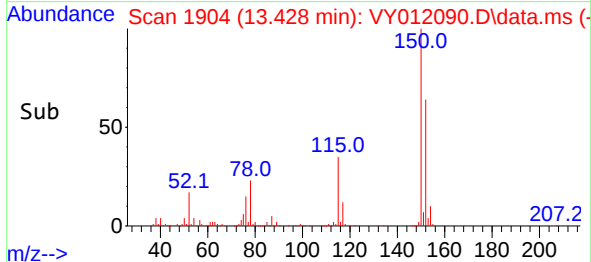
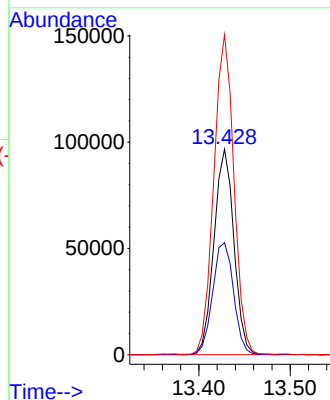
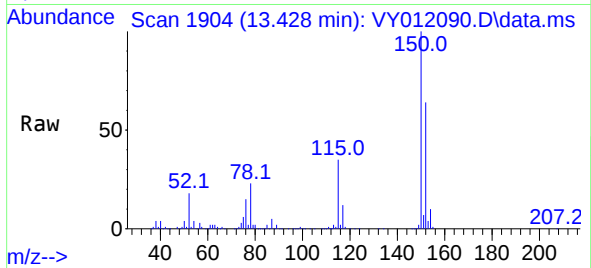




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

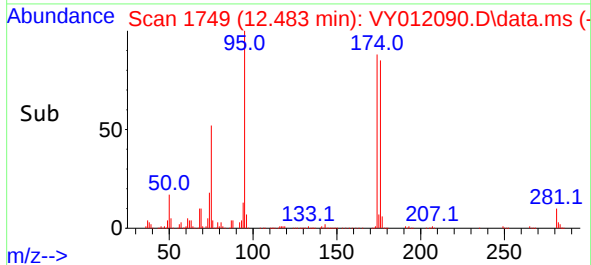
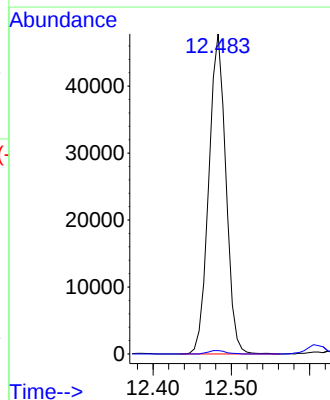
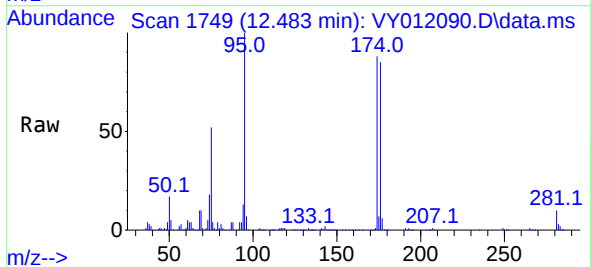
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

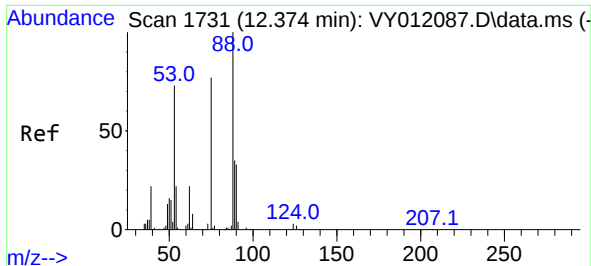
Tgt Ion:152 Resp: 146851
Ion Ratio Lower Upper
152 100
115 57.1 29.1 87.3
150 156.4 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 43.128 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

Tgt Ion: 75 Resp: 72315
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

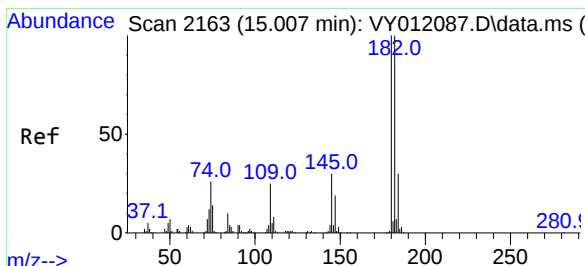
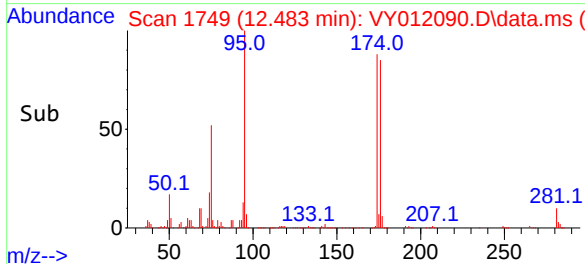
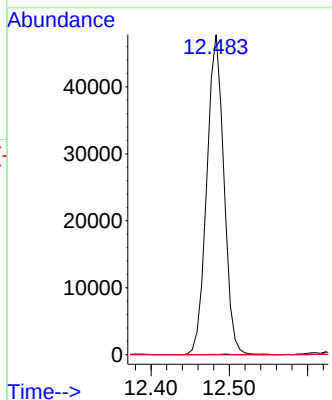
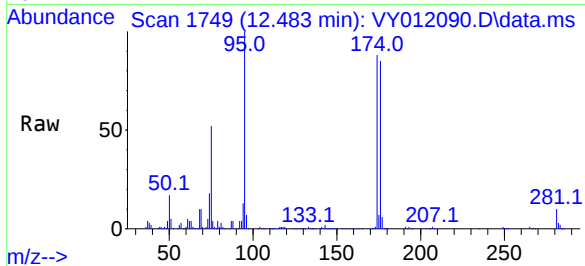




#81
trans-1,4-Dichloro-2-butene
Concen: 95.781 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

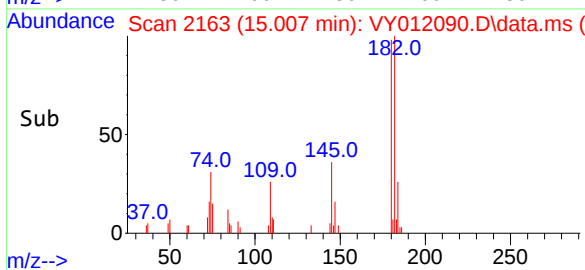
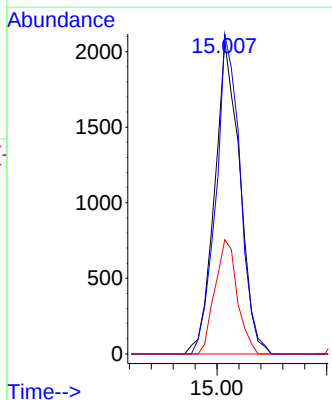
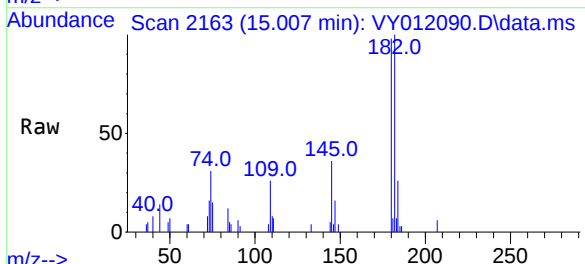
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

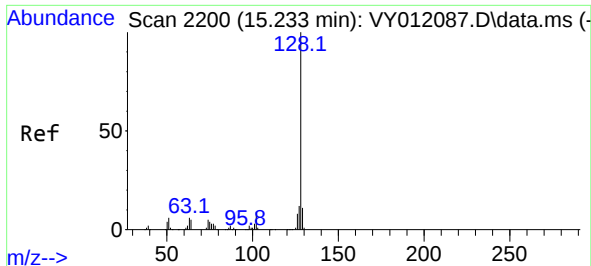
Tgt Ion: 75 Resp: 72315
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.2 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.070 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.000 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

Tgt Ion:180 Resp: 3302
Ion Ratio Lower Upper
180 100
182 98.5 48.1 144.3
145 32.4 15.4 46.4

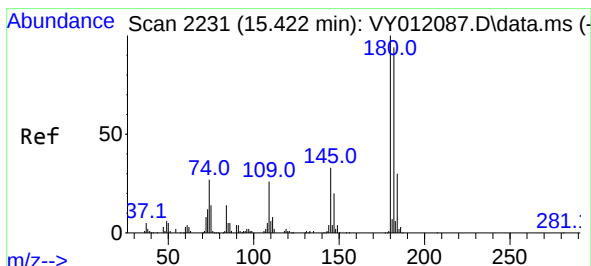
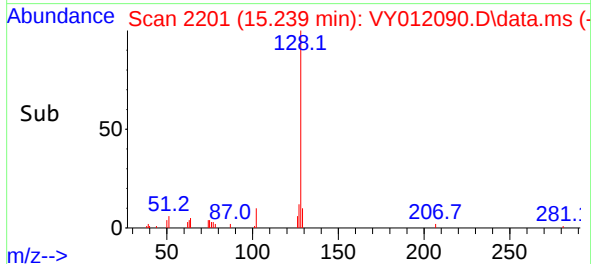
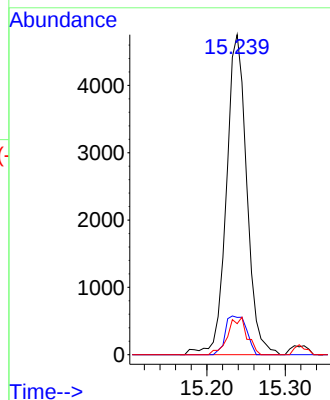
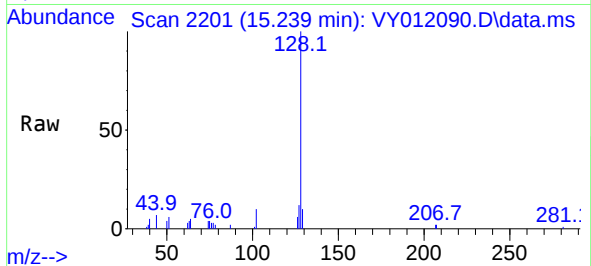




#95
Naphthalene
Concen: 1.404 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:	128	Resp:	8572
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.0	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.251 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY012090.D
Acq: 06 Jan 2023 14:16

Tgt Ion:	180	Resp:	3356
Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.9	143.7
145	32.7	16.1	48.2

