

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013123\
 Data File : VY012430.D
 Acq On : 31 Jan 2023 19:06
 Operator : KP/MD
 Sample : 01374-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-3-13123-A

Quant Time: Feb 01 01:26:47 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)

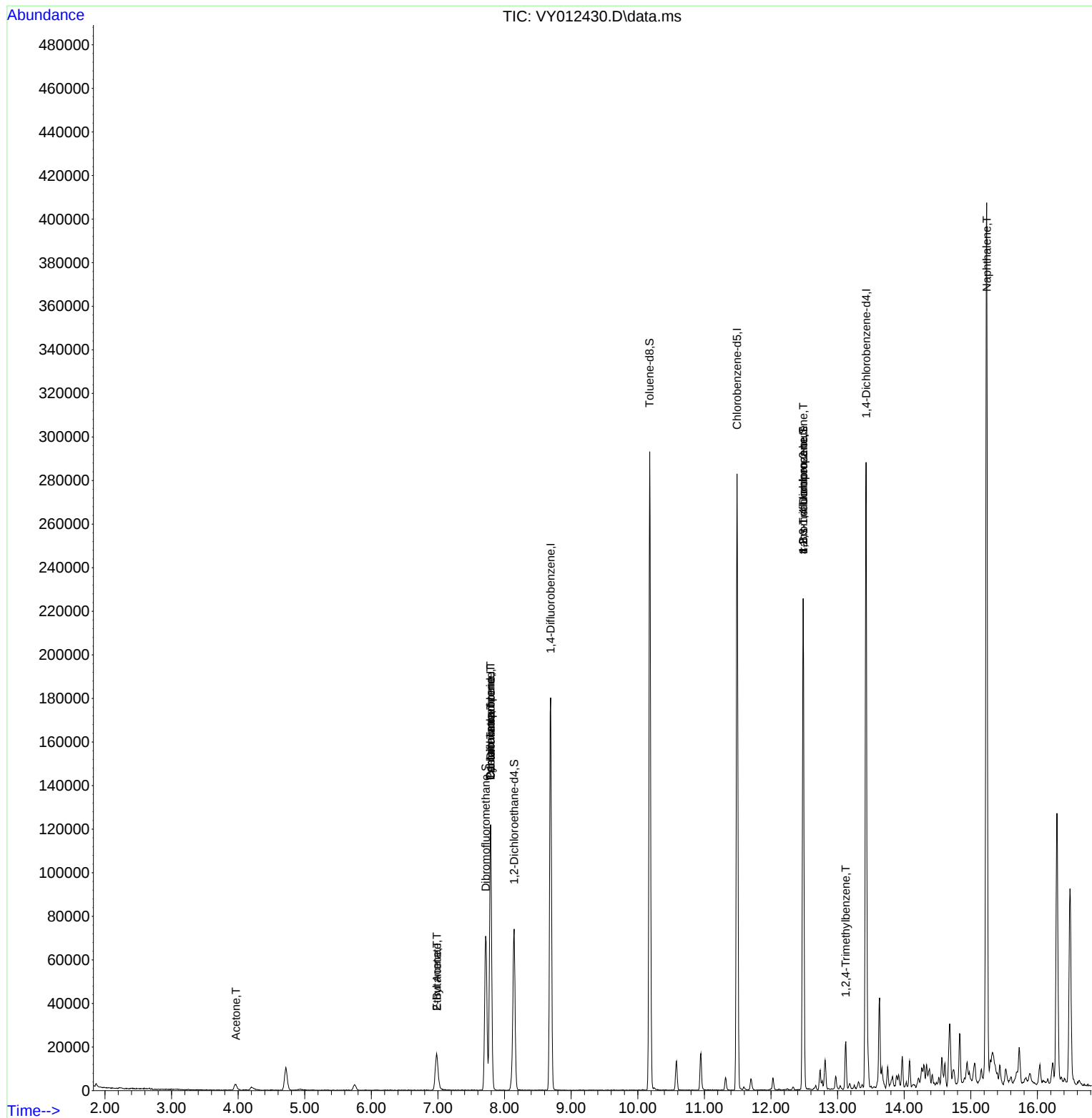
Internal Standards						
1) Pentafluorobenzene	7.789	168	97846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	163406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	161055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	57881	73.191	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.380%	
35) Dibromofluoromethane	7.716	113	50276	58.107	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.220%	
50) Toluene-d8	10.179	98	194958	66.458	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 132.920%	
62) 4-Bromofluorobenzene	12.483	95	65326	53.558	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	106	Below Cal	#	74
16) Acetone	3.967	43	5222	19.166	ug/l	96
20) Methylene Chloride	4.716	84	8238	Below Cal	#	85
25) 2-Butanone	6.984	43	2042	6.789	ug/l	# 76
31) Cyclohexane	7.789	56	1590	1.115	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	6518	4.433	ug/l	# 50
37) Ethyl Acetate	6.984	43	2042	3.150	ug/l	# 45
38) Carbon Tetrachloride	7.789	117	9618	5.064	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	33774	46.655	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	33774	96.130	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.123	105	12547	2.578	ug/l	97
95) Naphthalene	15.239	128	350832	114.433	ug/l	100

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

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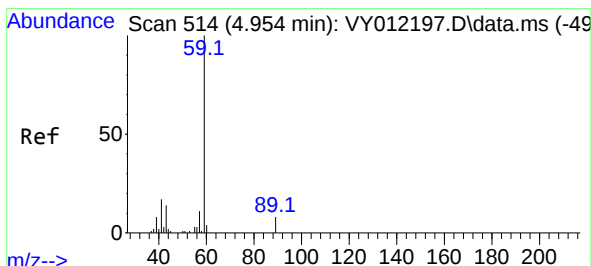
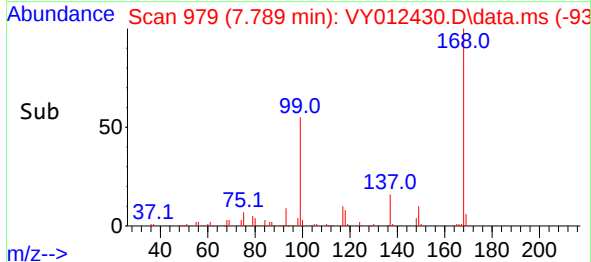
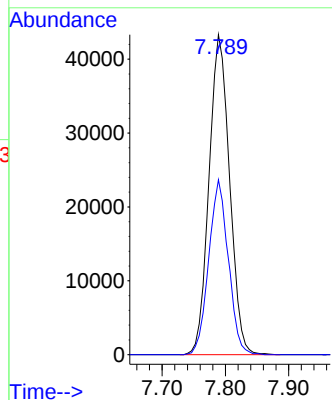
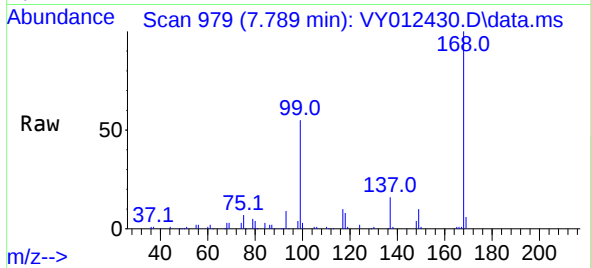




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012430.D
Acq: 31 Jan 2023 19:06

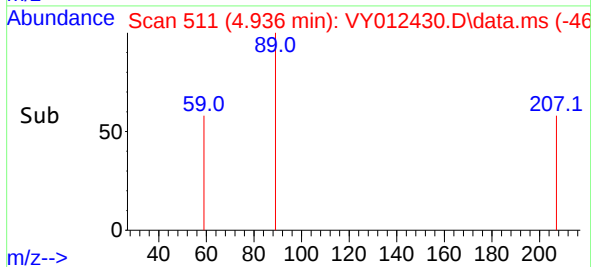
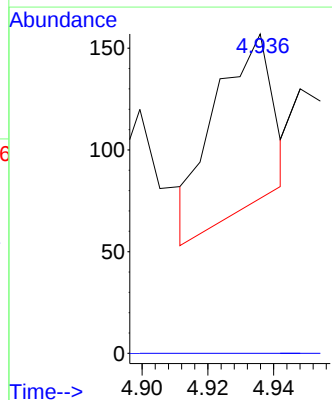
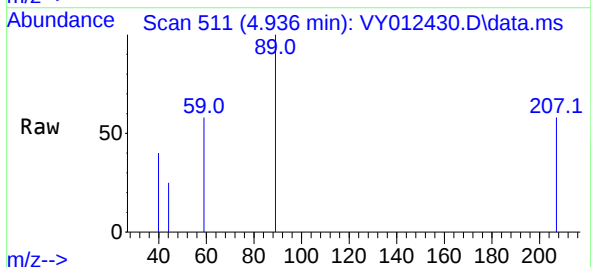
Instrument :
MSVOA_Y
ClientSampleId :
JC-3-13123-A

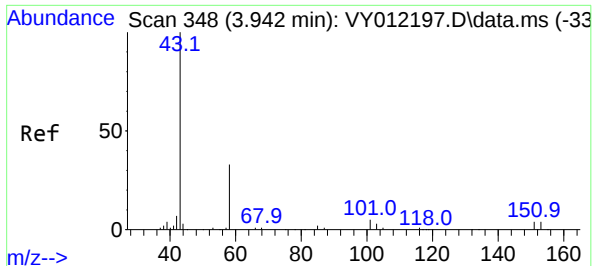
Tgt Ion:168 Resp: 97846
Ion Ratio Lower Upper
168 100
99 54.7 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012430.D
Acq: 31 Jan 2023 19:06

Tgt Ion: 59 Resp: 106
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

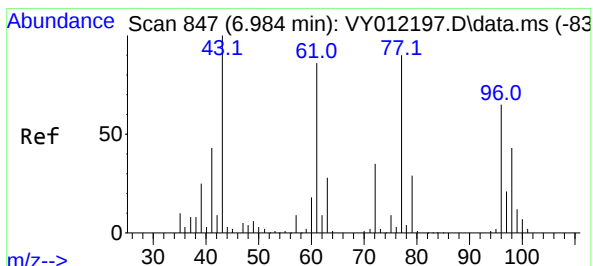
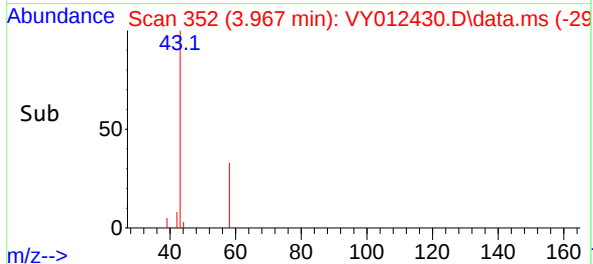
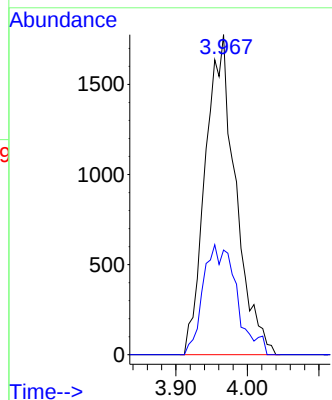
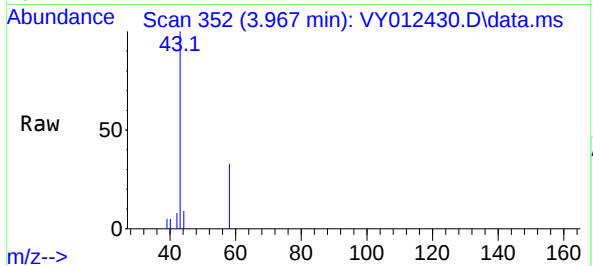




#16
Acetone
Concen: 19.166 ug/l
RT: 3.967 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY012430.D
Acq: 31 Jan 2023 19:06

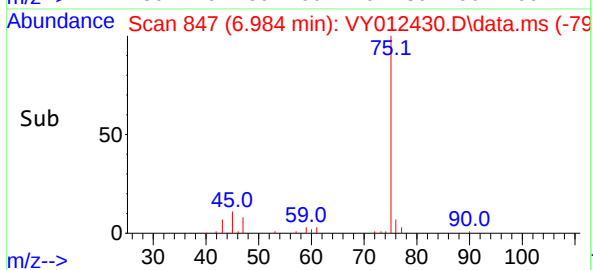
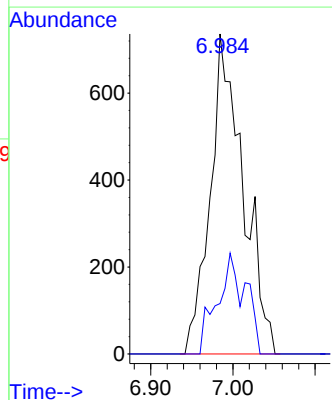
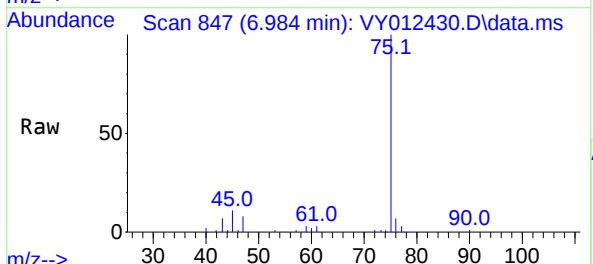
Instrument :
MSVOA_Y
ClientSampleId :
JC-3-13123-A

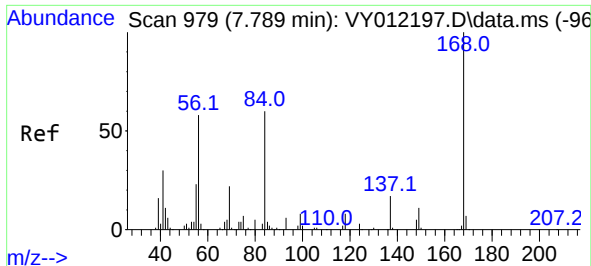
Tgt Ion: 43 Resp: 5222
Ion Ratio Lower Upper
43 100
58 32.7 27.9 41.9



#25
2-Butanone
Concen: 6.789 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012430.D
Acq: 31 Jan 2023 19:06

Tgt Ion: 43 Resp: 2042
Ion Ratio Lower Upper
43 100
72 15.8 22.6 34.0#

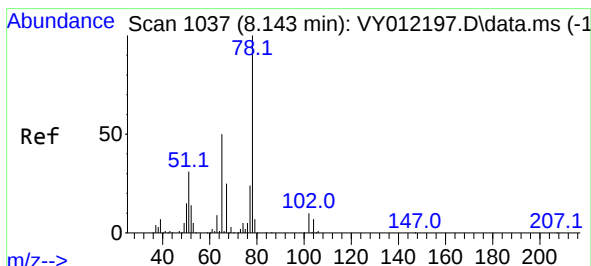
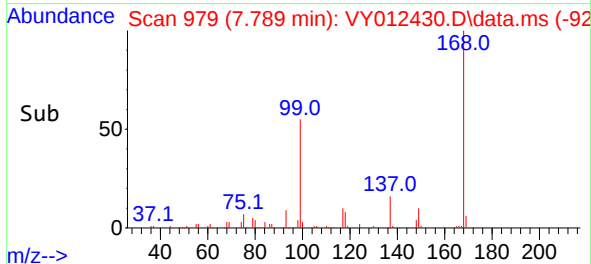
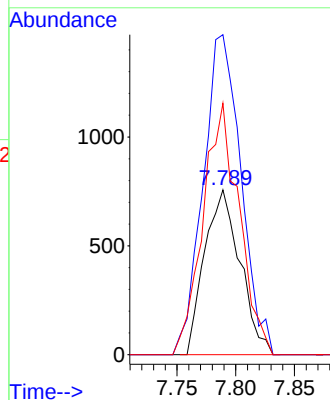
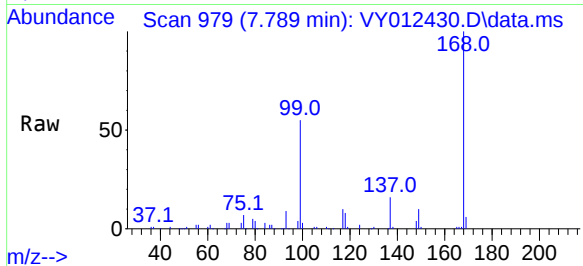




#31
Cyclohexane
Concen: 1.115 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012430.D
Acq: 31 Jan 2023 19:06

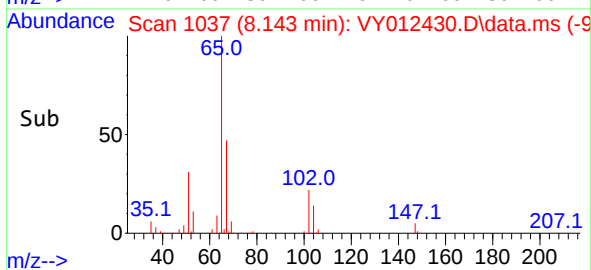
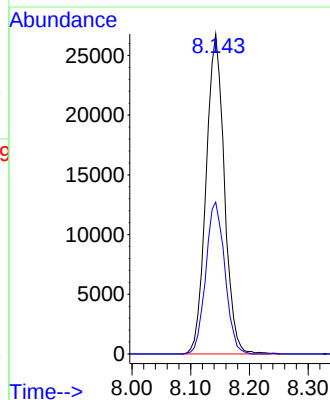
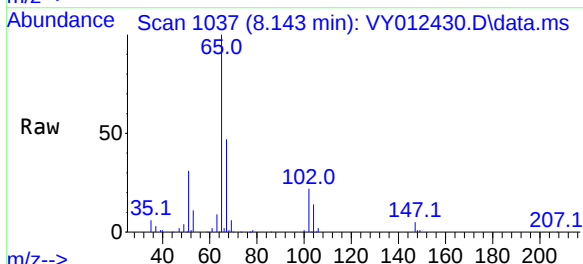
Instrument :
MSVOA_Y
ClientSampleId :
JC-3-13123-A

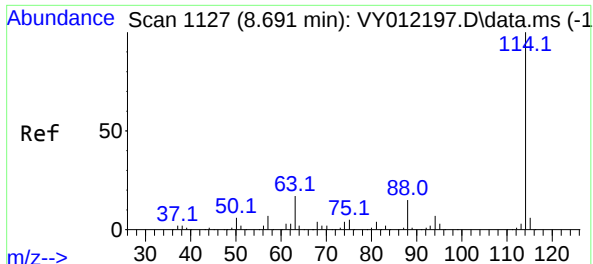
Tgt Ion: 56 Resp: 1590
Ion Ratio Lower Upper
56 100
69 194.2 29.2 43.8#
84 152.6 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 73.191 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012430.D
Acq: 31 Jan 2023 19:06

Tgt Ion: 65 Resp: 57881
Ion Ratio Lower Upper
65 100
67 49.5 0.0 103.2



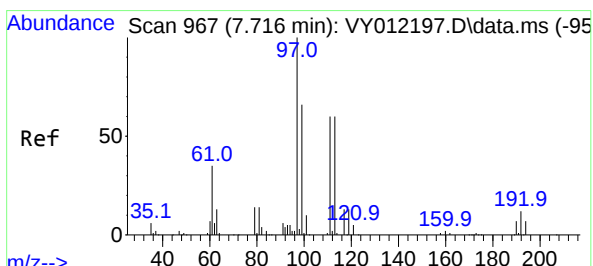
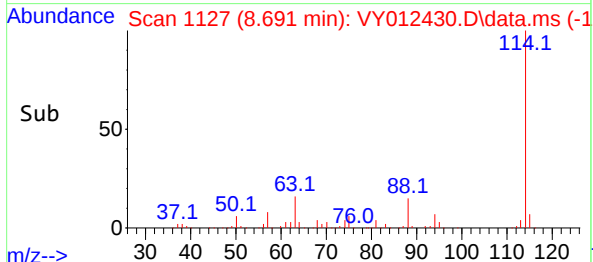
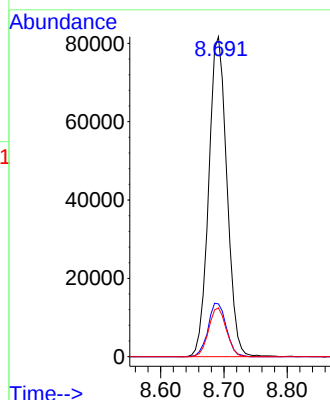
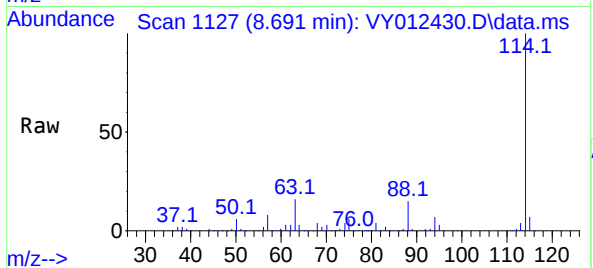


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012430.D
Acq: 31 Jan 2023 19:06

Instrument :
MSVOA_Y
ClientSampleId :
JC-3-13123-A

Tgt Ion:114 Resp: 163406

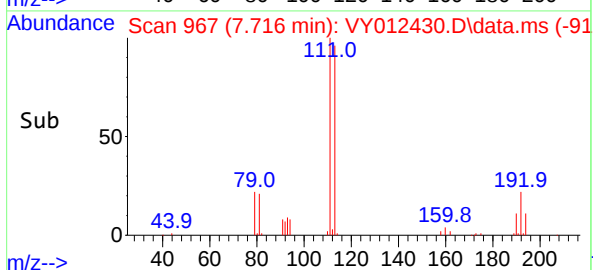
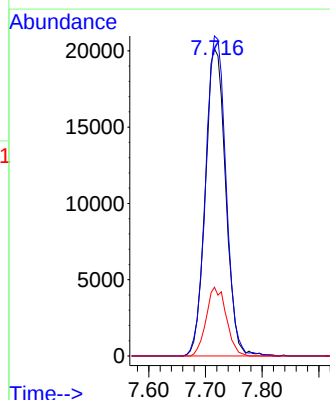
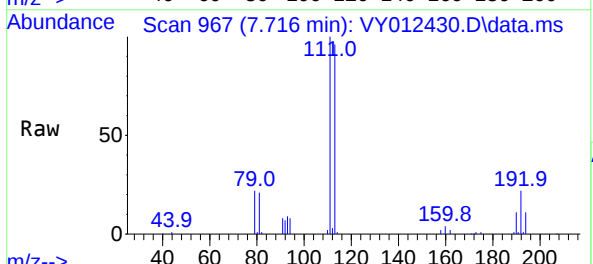
Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	39.6
88	15.3	0.0	32.2

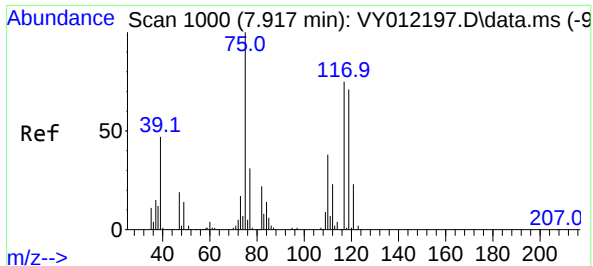


#35
Dibromofluoromethane
Concen: 58.107 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012430.D
Acq: 31 Jan 2023 19:06

Tgt Ion:113 Resp: 50276

Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.0	124.4
192	22.0	16.0	24.0





#36

1,1-Dichloropropene

Concen: 4.433 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012430.D

Acq: 31 Jan 2023 19:06

Instrument :

MSVOA_Y

ClientSampleId :

JC-3-13123-A

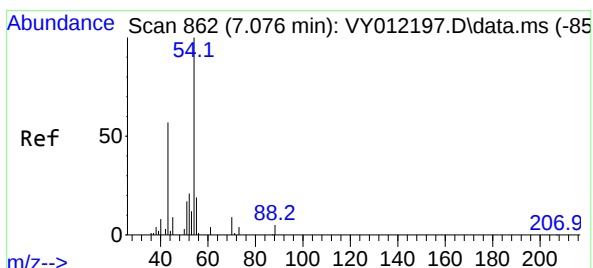
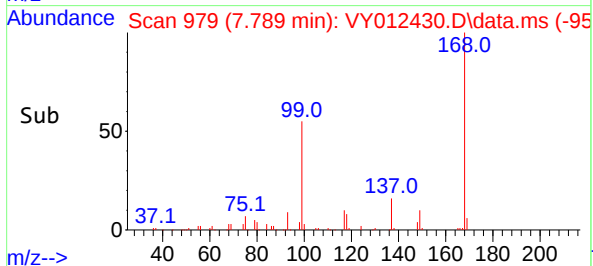
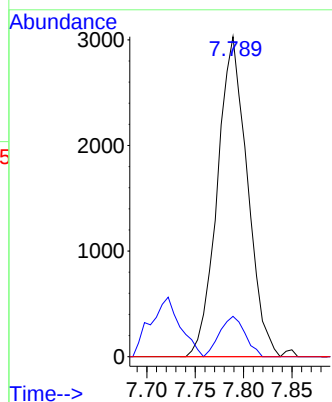
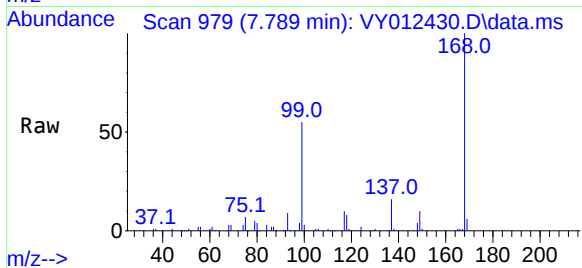
Tgt Ion: 75 Resp: 6518

Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.1#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 3.150 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.092 min

Lab File: VY012430.D

Acq: 31 Jan 2023 19:06

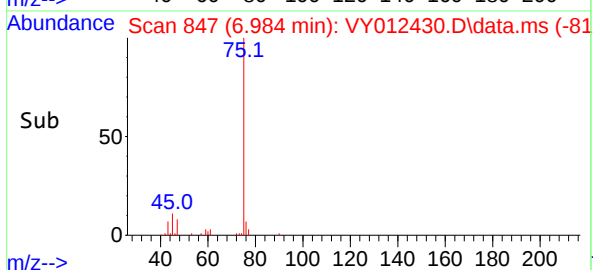
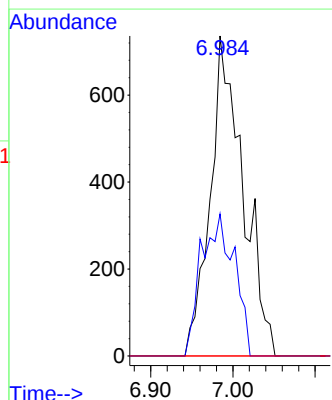
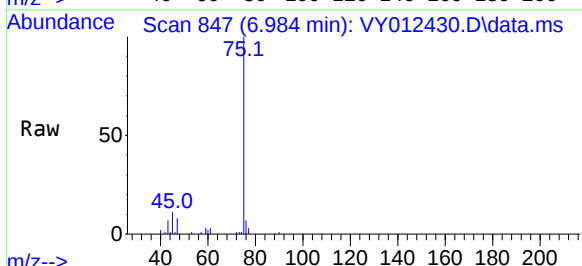
Tgt Ion: 43 Resp: 2042

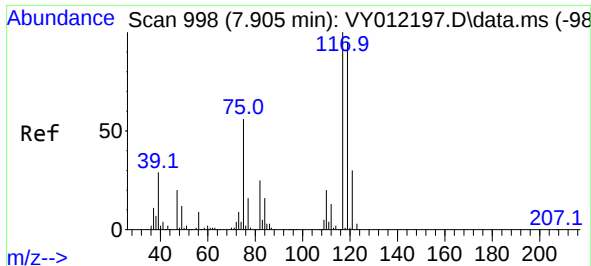
Ion Ratio Lower Upper

43 100

61 44.6 11.3 16.9#

70 0.0 8.2 12.4#

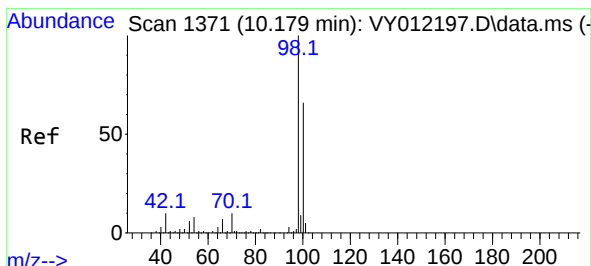
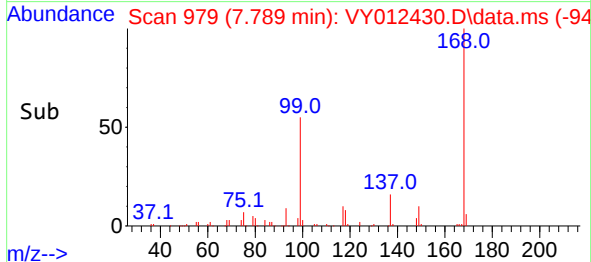
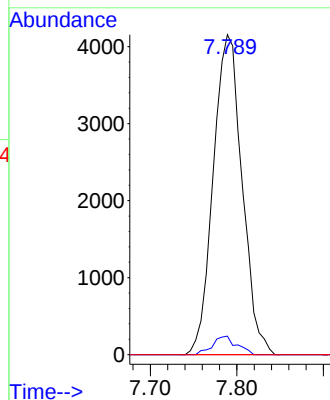
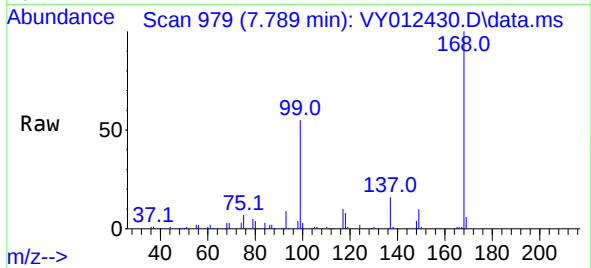




#38
Carbon Tetrachloride
Concen: 5.064 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012430.D
Acq: 31 Jan 2023 19:06

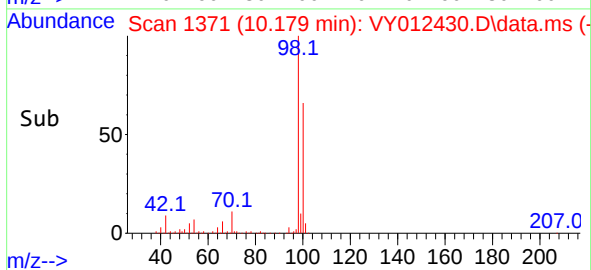
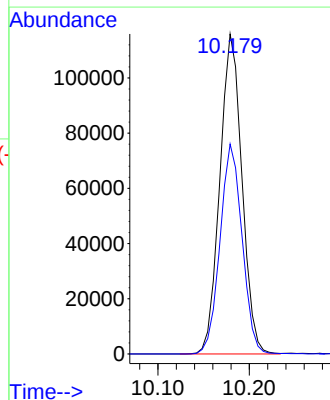
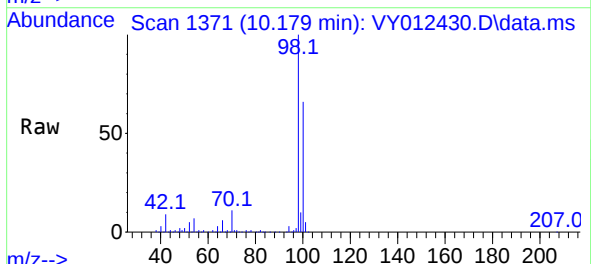
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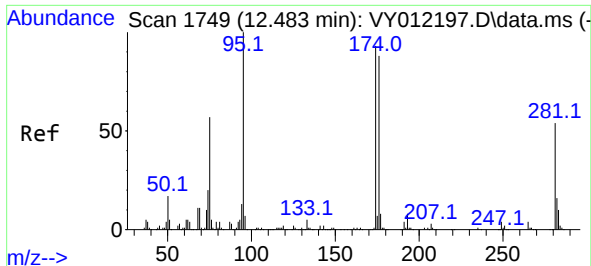
Tgt Ion:117 Resp: 9618
Ion Ratio Lower Upper
117 100
119 5.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 66.458 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012430.D
Acq: 31 Jan 2023 19:06

Tgt Ion: 98 Resp: 194958
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9

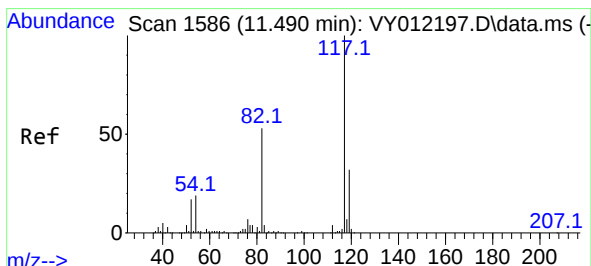
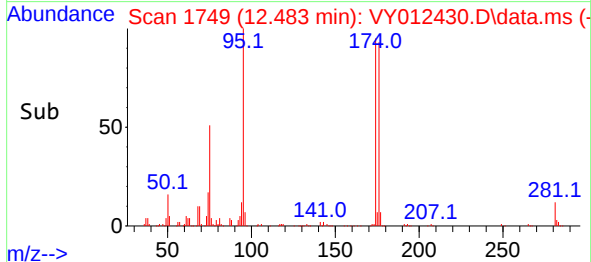
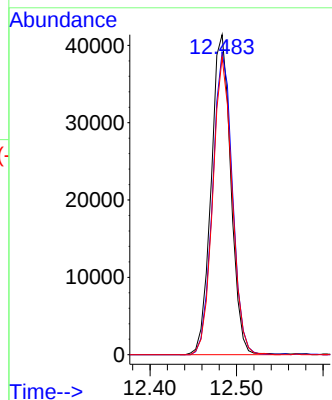
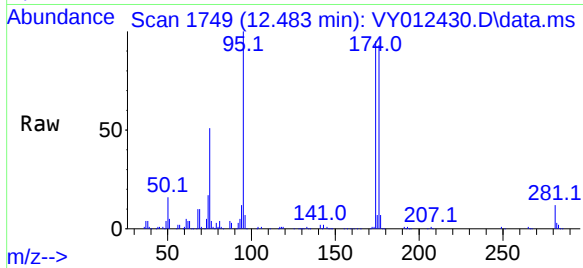




#62
4-Bromofluorobenzene
Concen: 53.558 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012430.D
Acq: 31 Jan 2023 19:06

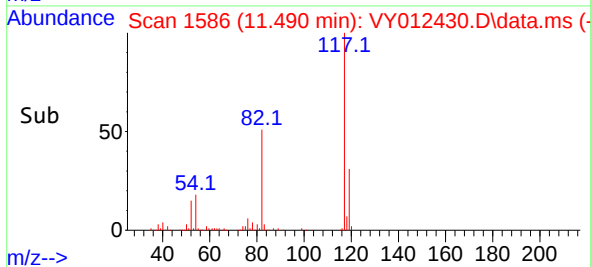
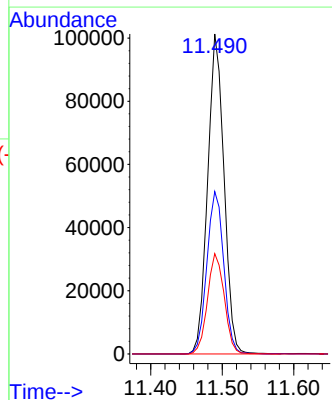
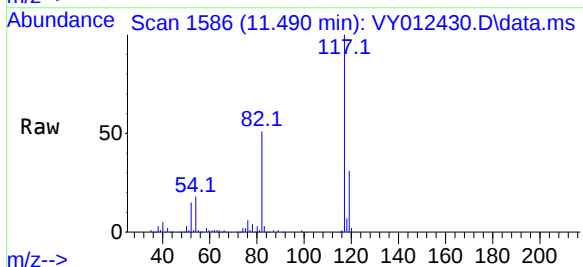
Instrument :
MSVOA_Y
ClientSampleId :
JC-3-13123-A

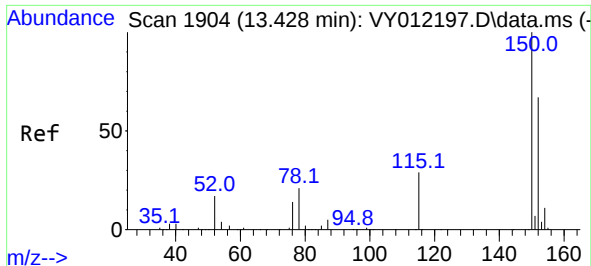
Tgt Ion: 95 Resp: 65326
Ion Ratio Lower Upper
95 100
174 94.9 0.0 172.0
176 91.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012430.D
Acq: 31 Jan 2023 19:06

Tgt Ion: 117 Resp: 161055
Ion Ratio Lower Upper
117 100
82 50.8 44.8 67.2
119 31.4 25.4 38.2

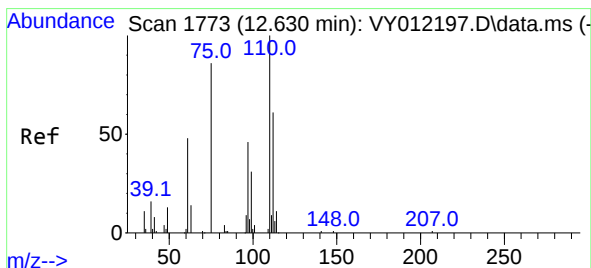
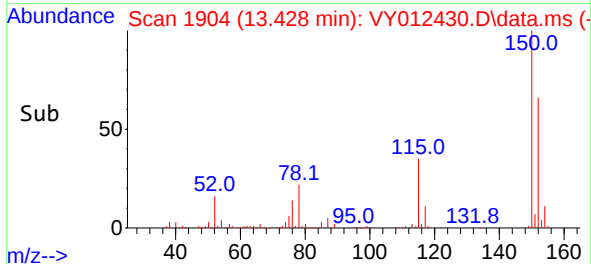
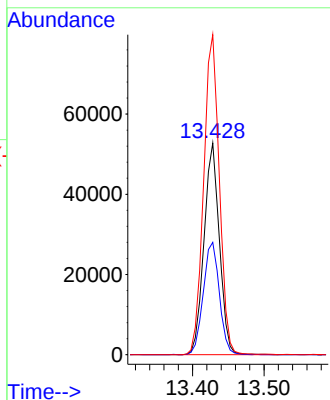
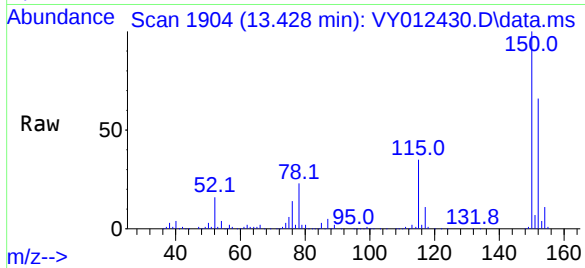




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.006 min
 Lab File: VY012430.D
 Acq: 31 Jan 2023 19:06

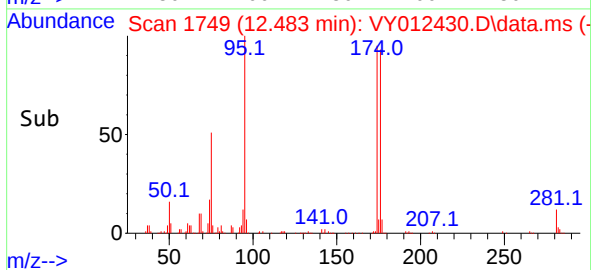
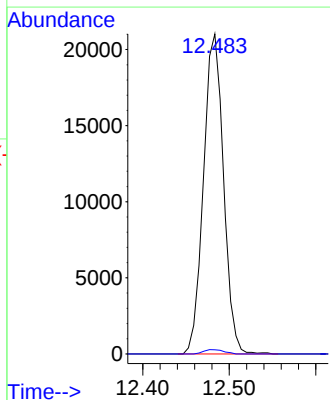
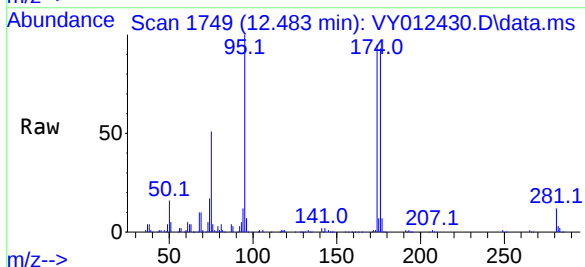
Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-3-13123-A

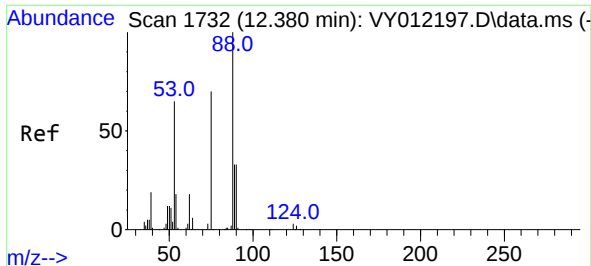
Tgt Ion:152 Resp: 78725
 Ion Ratio Lower Upper
 152 100
 115 55.7 29.1 87.3
 150 154.5 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 46.655 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY012430.D
 Acq: 31 Jan 2023 19:06

Tgt Ion: 75 Resp: 33774
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

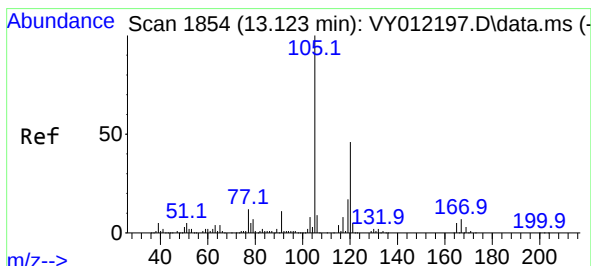
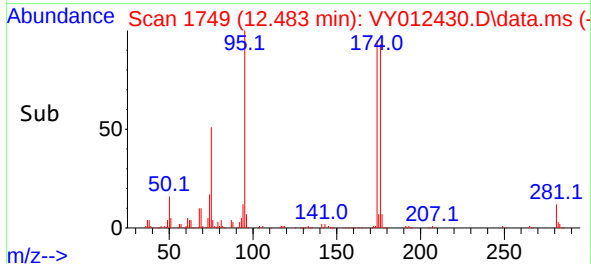
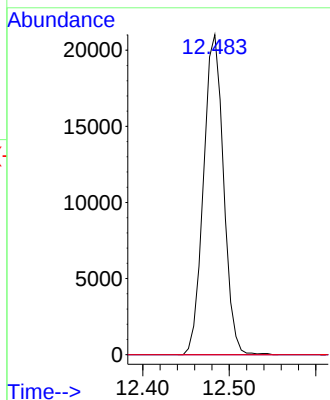
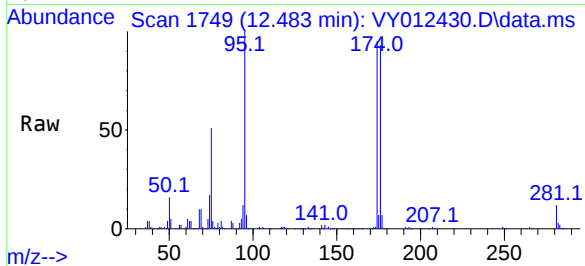




#81
trans-1,4-Dichloro-2-butene
Concen: 96.130 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012430.D
Acq: 31 Jan 2023 19:06

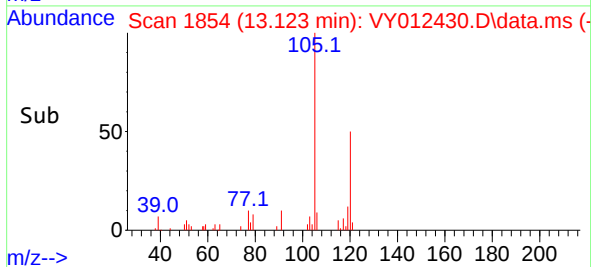
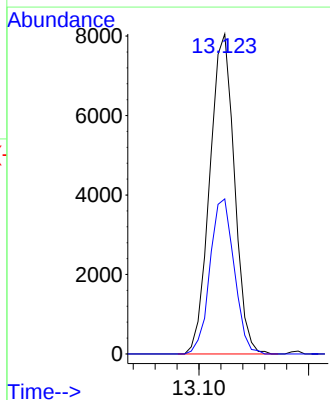
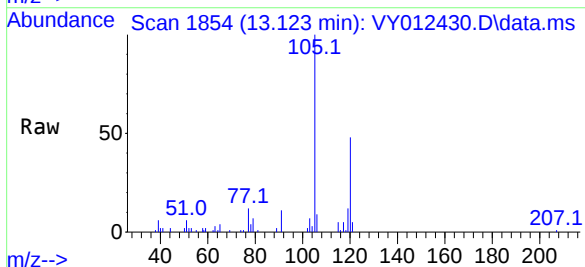
Instrument :
MSVOA_Y
ClientSampleId :
JC-3-13123-A

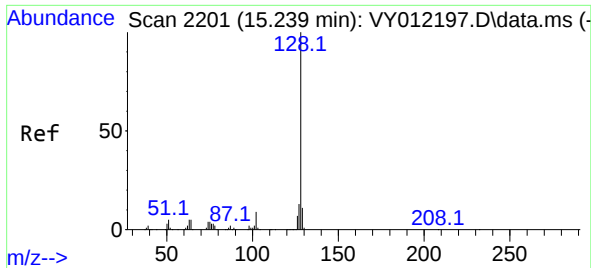
Tgt Ion: 75 Resp: 33774
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.578 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY012430.D
Acq: 31 Jan 2023 19:06

Tgt Ion: 105 Resp: 12547
Ion Ratio Lower Upper
105 100
120 47.8 22.9 68.7





#95

Naphthalene

Concen: 114.433 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY012430.D

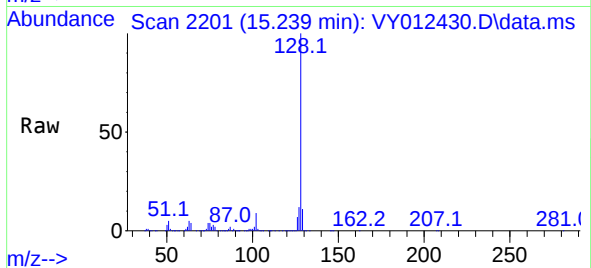
Acq: 31 Jan 2023 19:06

Instrument :

MSVOA_Y

ClientSampleId :

JC-3-13123-A



Tgt Ion:128 Resp: 350832

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 11.0 8.8 13.2

