

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012323\
 Data File : VY012318.D
 Acq On : 23 Jan 2023 16:58
 Operator : KP/MD
 Sample : 01251-05
 Misc : 4.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 24 01:29:30 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)

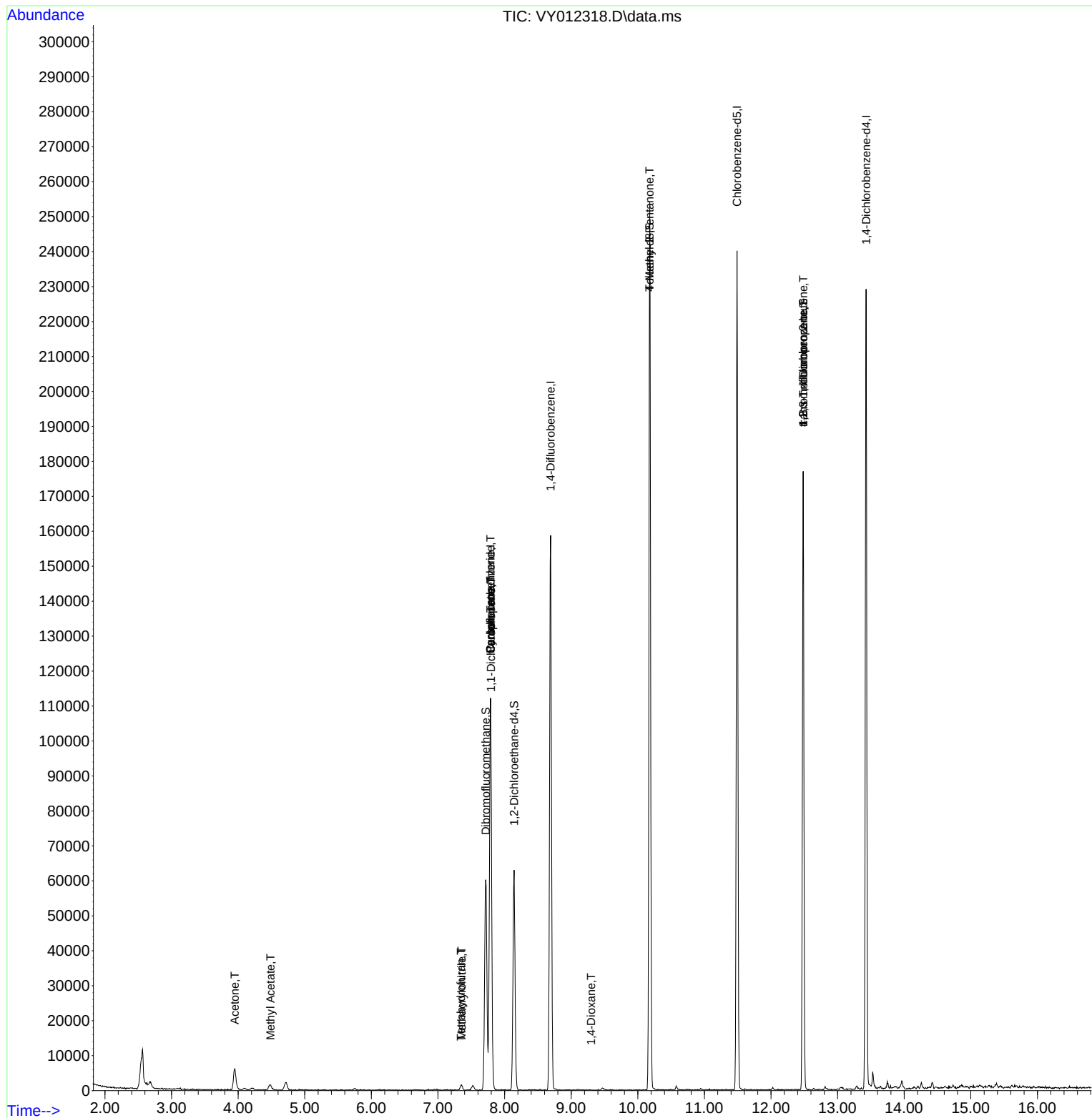
Internal Standards						
1) Pentafluorobenzene	7.789	168	88148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	142686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	131828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	60904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	52187	73.254	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.500%	
35) Dibromofluoromethane	7.716	113	41529	54.967	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.940%	
50) Toluene-d8	10.179	98	168578	65.764	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 131.520%	
62) 4-Bromofluorobenzene	12.483	95	51737	48.577	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	63	Below Cal	#	74
16) Acetone	3.948	43	10863	44.257	ug/l	99
18) Methyl Acetate	4.485	43	2953	5.377	ug/l	# 83
20) Methylene Chloride	4.704	84	2027	Below Cal	#	71
29) Tetrahydrofuran	7.344	42	1105	7.424	ug/l	# 85
31) Cyclohexane	7.789	56	1605	1.249	ug/l	# 5
36) 1,1-Dichloropropene	7.795	75	6234	4.855	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	8887	5.359	ug/l	# 16
41) Methacrylonitrile	7.356	41	534	1.605	ug/l	# 100
49) 1,4-Dioxane	9.301	88	21	2.977	ug/l	# 24
51) 4-Methyl-2-Pentanone	10.179	43	622	1.108	ug/l	# 1
76) 1,2,3-Trichloropropane	12.483	75	27846	49.722	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	27846	102.449	ug/l	# 13

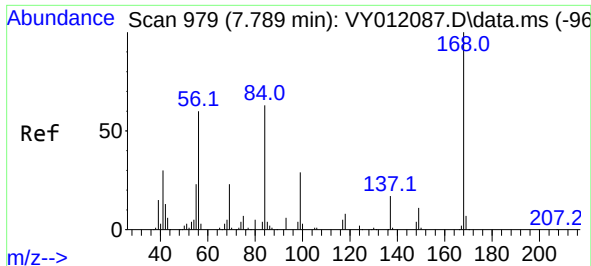
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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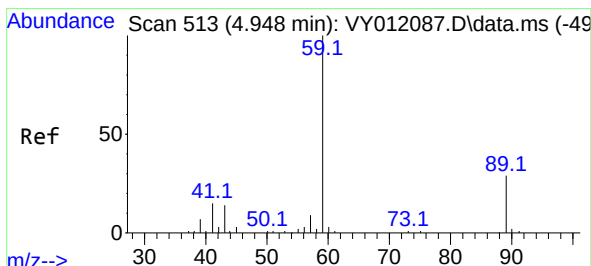
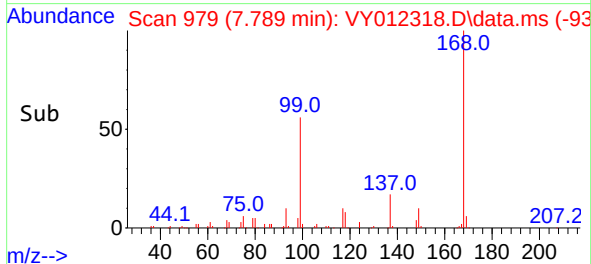
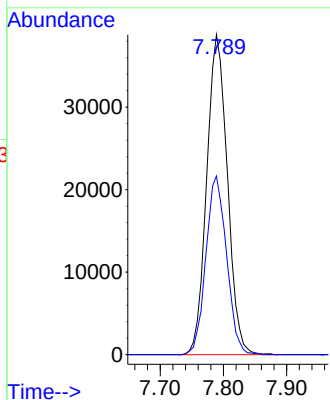
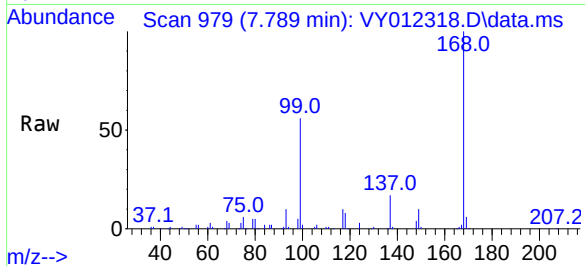




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

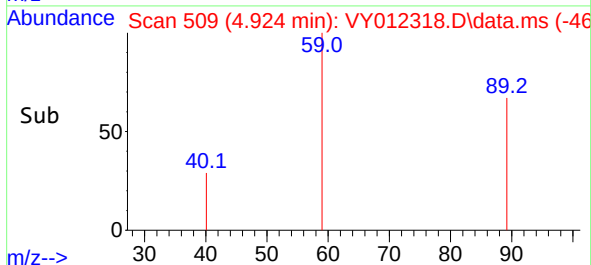
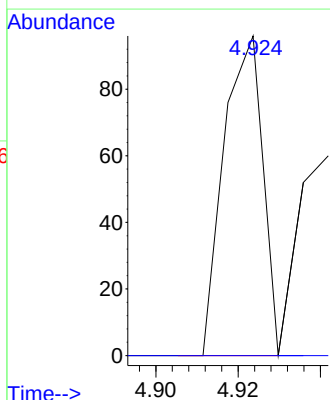
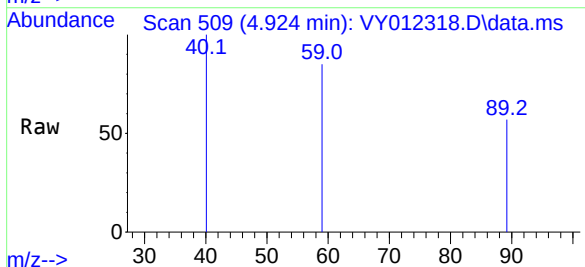
Instrument :
MSVOA_Y
ClientSampleId :

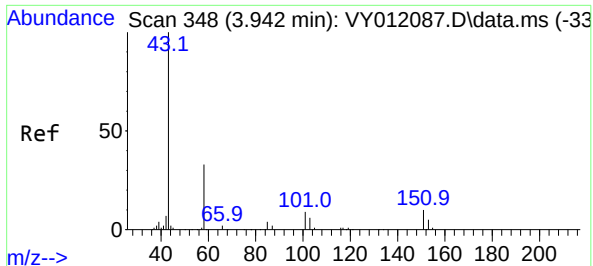
Tgt Ion:168 Resp: 88148
Ion Ratio Lower Upper
168 100
99 55.8 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

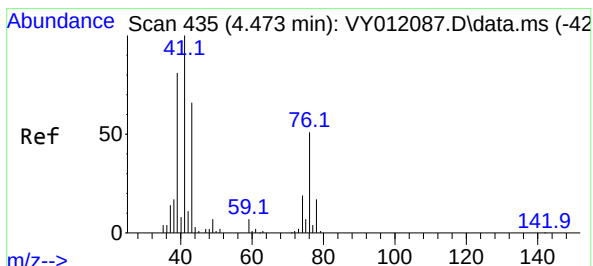
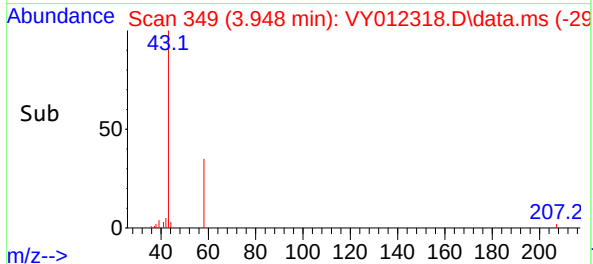
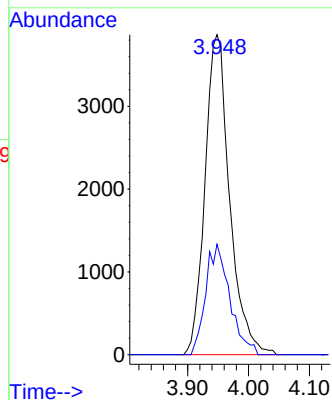
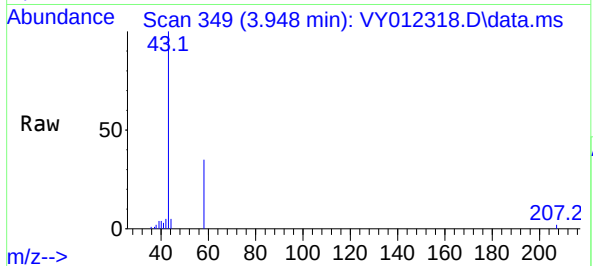




#16
Acetone
Concen: 44.257 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

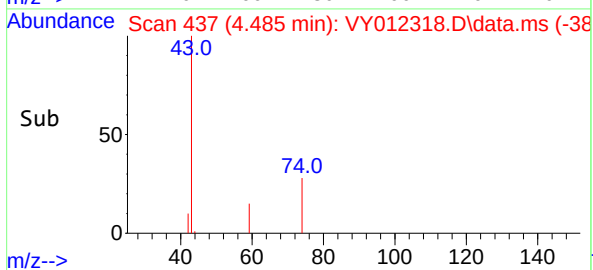
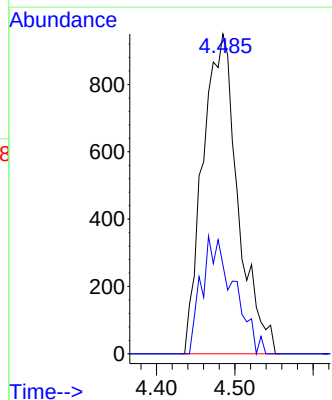
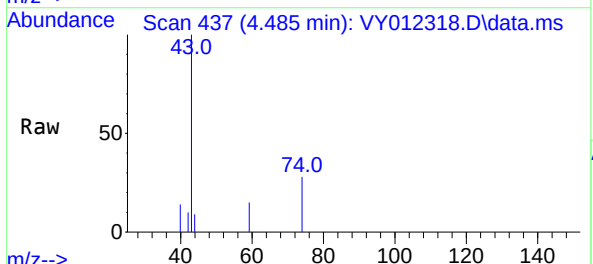
Instrument :
MSVOA_Y
ClientSampleId :

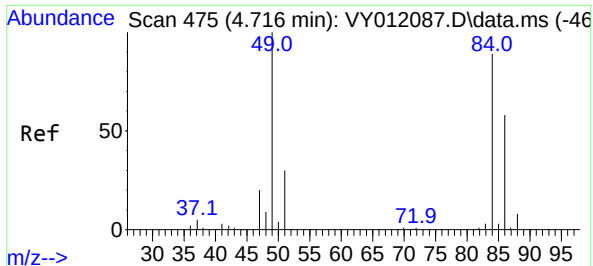
Tgt Ion: 43 Resp: 10863
Ion Ratio Lower Upper
43 100
58 34.5 27.9 41.9



#18
Methyl Acetate
Concen: 5.377 ug/l
RT: 4.485 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

Tgt Ion: 43 Resp: 2953
Ion Ratio Lower Upper
43 100
74 33.6 20.1 30.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. -0.012 min

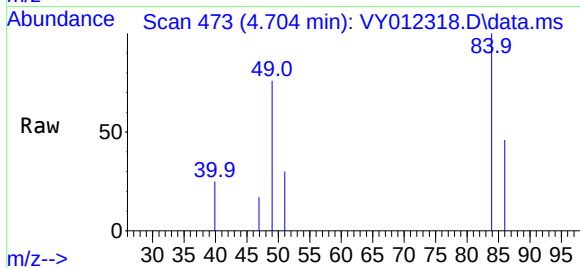
Lab File: VY012318.D

Acq: 23 Jan 2023 16:58

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 2027

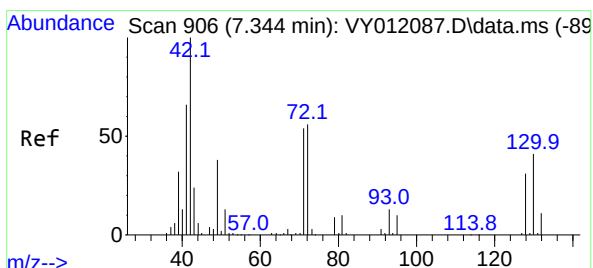
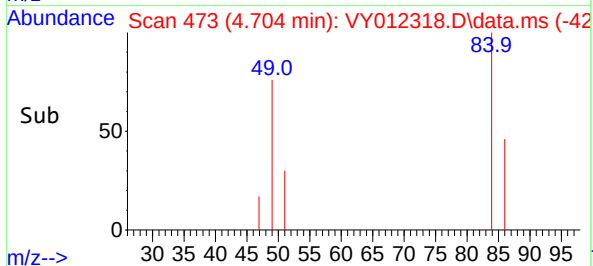
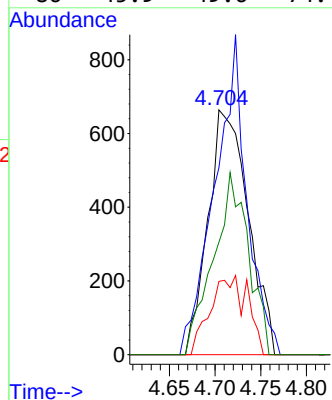
Ion Ratio Lower Upper

84 100

49 76.4 95.4 143.2#

51 30.0 29.9 44.9

86 45.9 49.6 74.4#



#29

Tetrahydrofuran

Concen: 7.424 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY012318.D

Acq: 23 Jan 2023 16:58

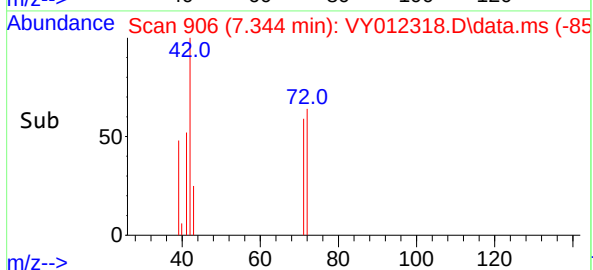
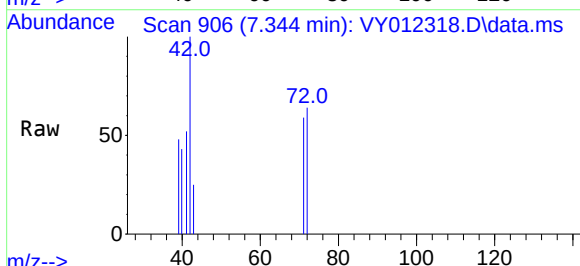
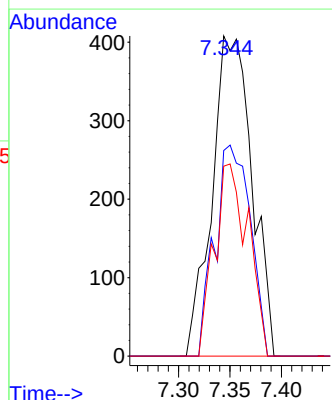
Tgt Ion: 42 Resp: 1105

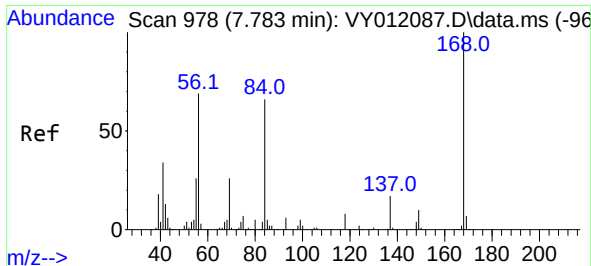
Ion Ratio Lower Upper

42 100

72 58.4 37.0 55.6#

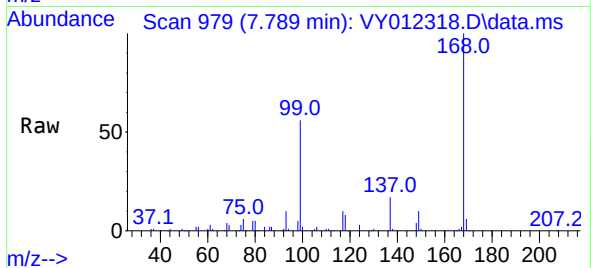
71 50.8 34.9 52.3



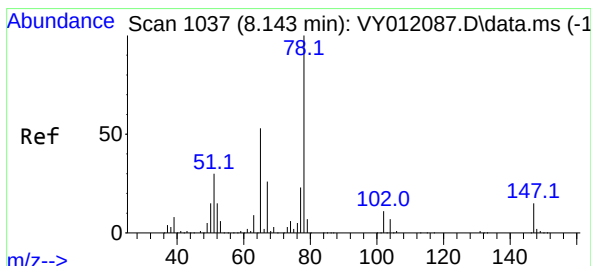
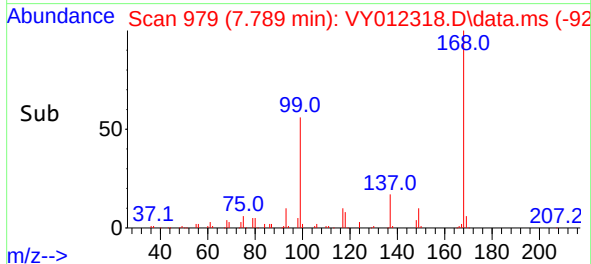
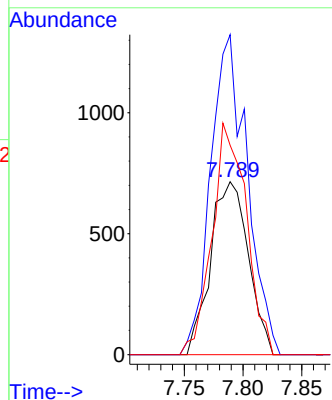


#31
Cyclohexane
Concen: 1.249 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

Instrument :
MSVOA_Y
ClientSampleId :

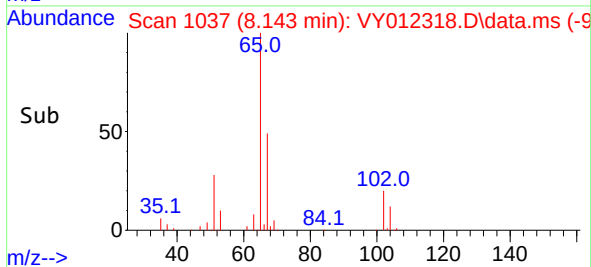
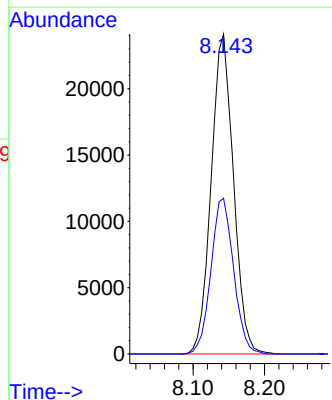
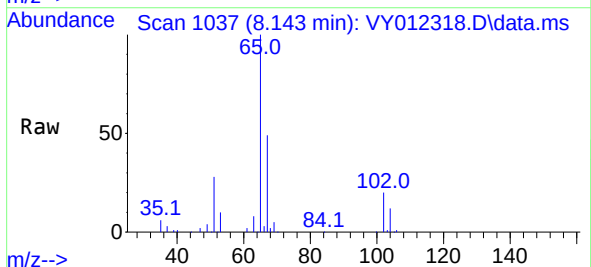


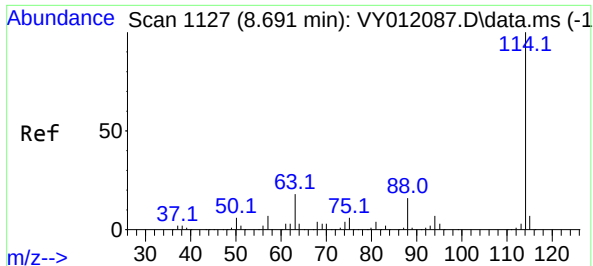
Tgt Ion: 56 Resp: 1605
Ion Ratio Lower Upper
56 100
69 185.0 29.2 43.8#
84 121.1 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 73.254 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

Tgt Ion: 65 Resp: 52187
Ion Ratio Lower Upper
65 100
67 49.5 0.0 103.2

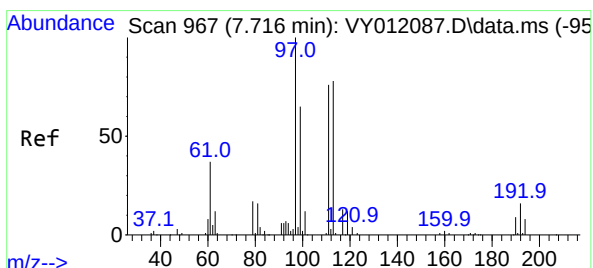
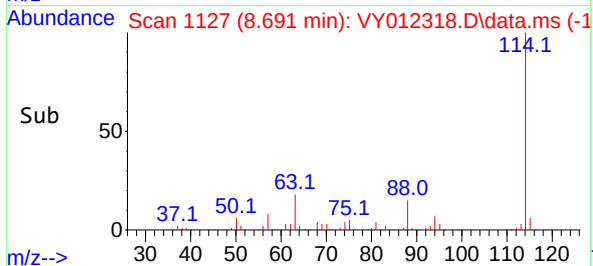
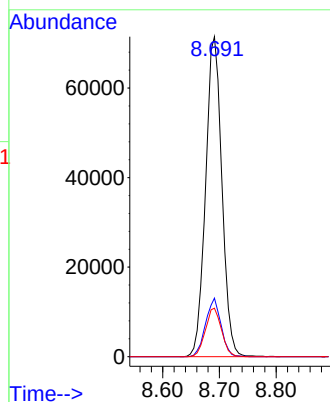
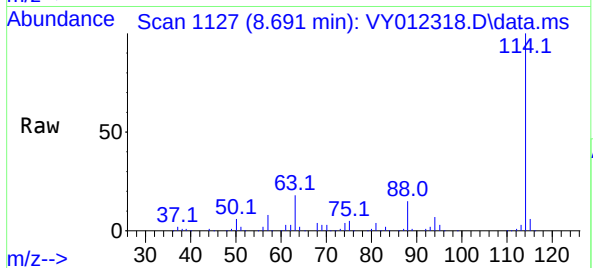




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

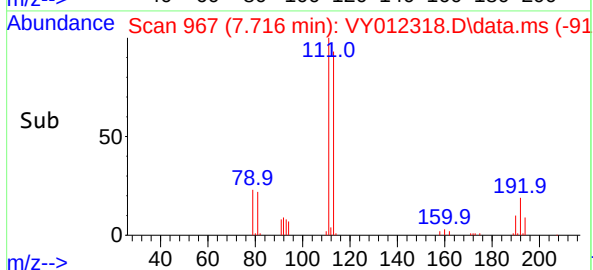
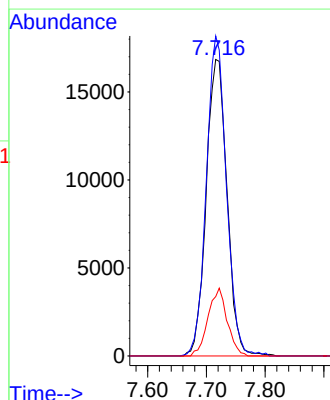
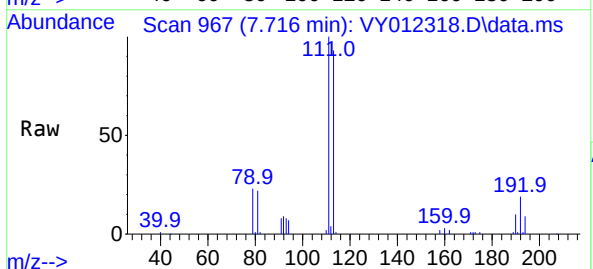
Instrument :
MSVOA_Y
ClientSampleId :

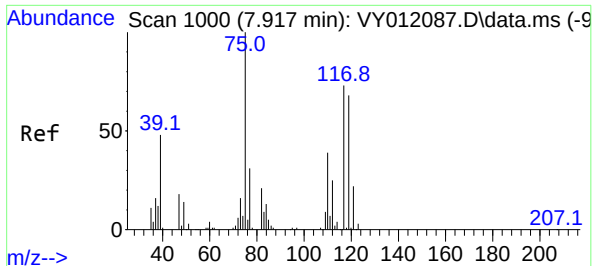
Tgt Ion:114 Resp: 142686
Ion Ratio Lower Upper
114 100
63 18.3 0.0 39.6
88 15.1 0.0 32.2



#35
Dibromofluoromethane
Concen: 54.967 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

Tgt Ion:113 Resp: 41529
Ion Ratio Lower Upper
113 100
111 104.1 83.0 124.4
192 21.0 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.855 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.122 min

Lab File: VY012318.D

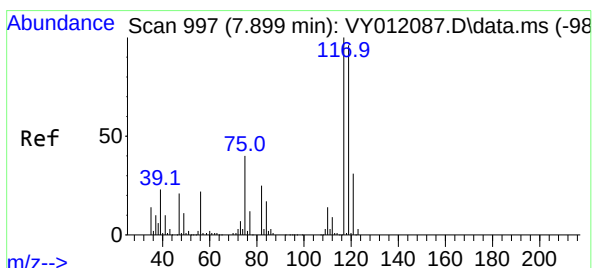
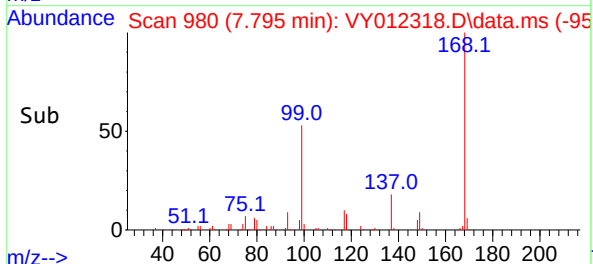
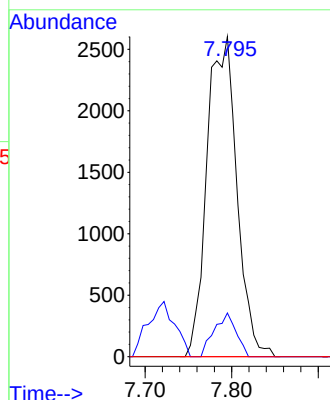
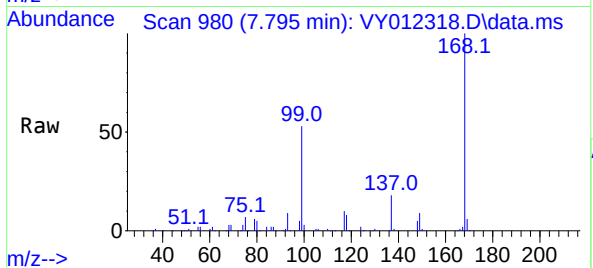
Acq: 23 Jan 2023 16:58

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 6234
Ion Ratio	Lower Upper
75 100	
110 10.1	18.1 54.1#
77 0.0	25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.359 ug/l

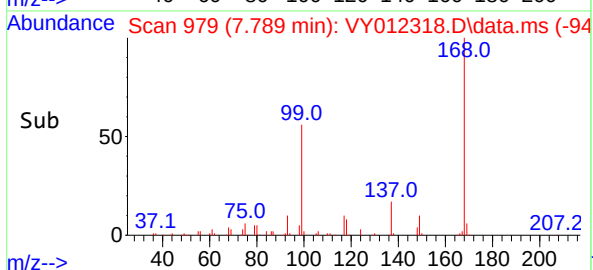
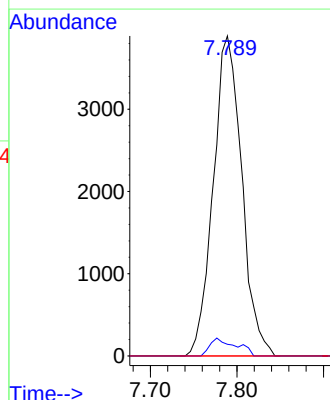
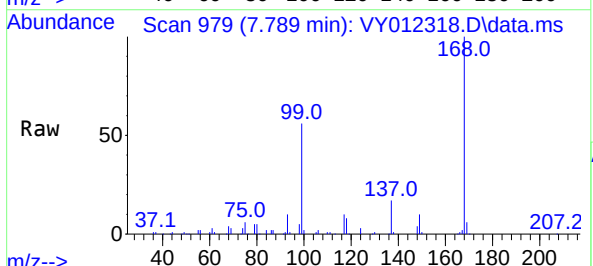
RT: 7.789 min Scan# 979

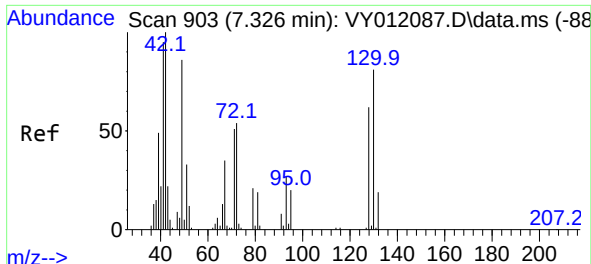
Delta R.T. -0.110 min

Lab File: VY012318.D

Acq: 23 Jan 2023 16:58

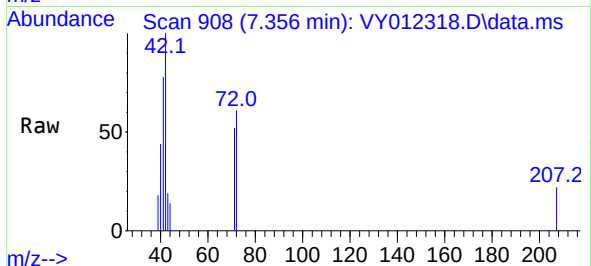
Tgt Ion: 117	Resp: 8887
Ion Ratio	Lower Upper
117 100	
119 3.6	73.8 110.8#
121 0.0	25.2 37.8#



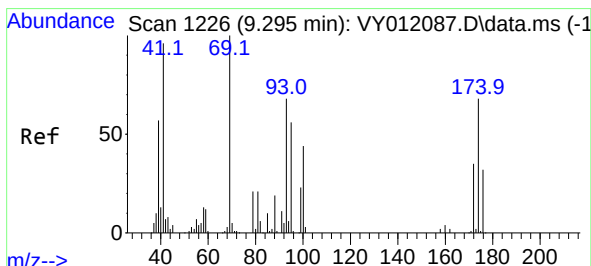
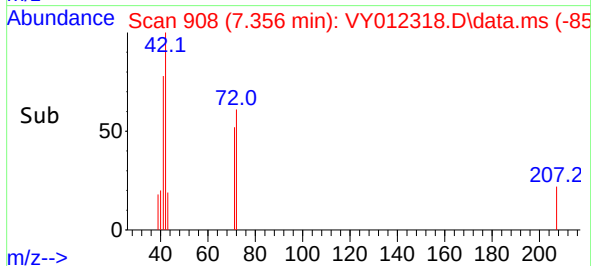
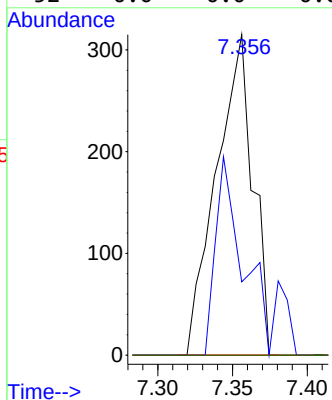


#41
Methacrylonitrile
Concen: 1.605 ug/l
RT: 7.356 min Scan# 903
Delta R.T. 0.030 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

Instrument :
MSVOA_Y
ClientSampleId :

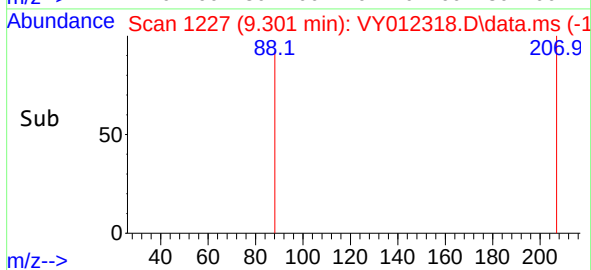
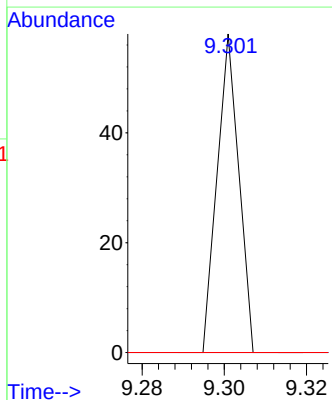
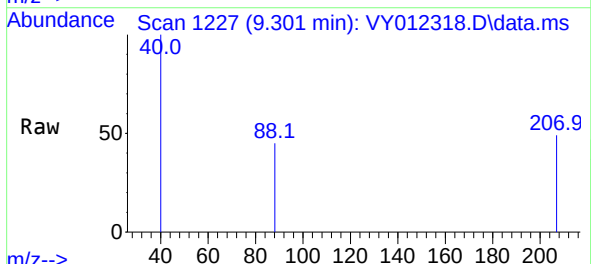


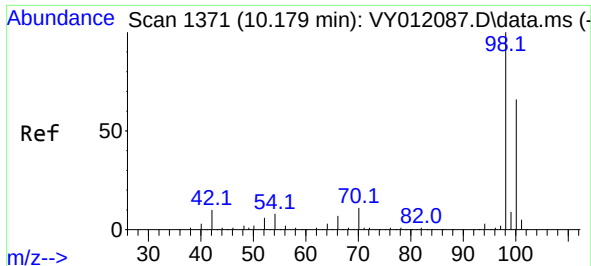
Tgt Ion: 41 Resp: 534
Ion Ratio Lower Upper
41 100
39 46.3 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#49
1,4-Dioxane
Concen: 2.977 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. 0.006 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 26.2 39.2#
58 0.0 54.3 81.5#

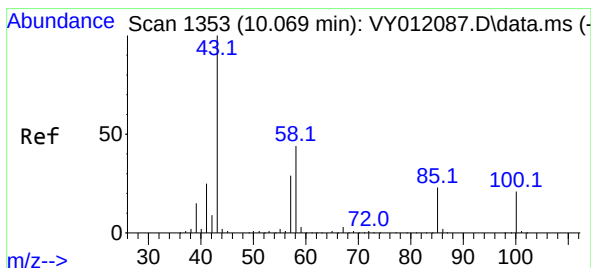
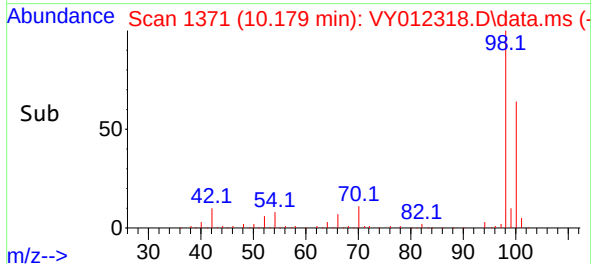
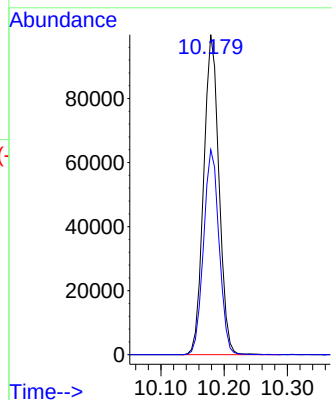
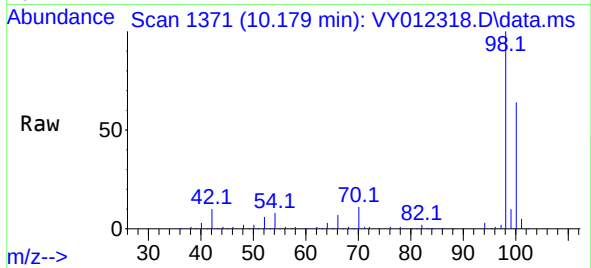




#50
Toluene-d8
Concen: 65.764 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

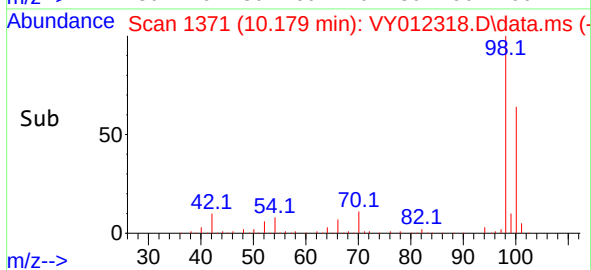
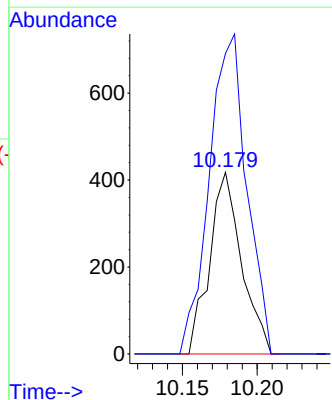
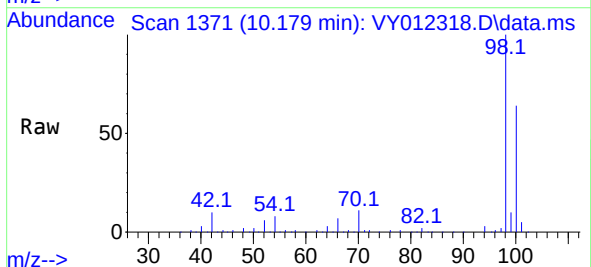
Instrument :
MSVOA_Y
ClientSampleId :

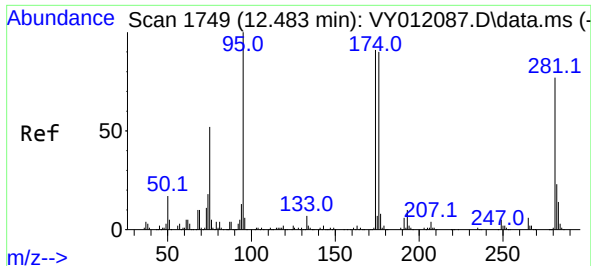
Tgt Ion: 98 Resp: 168578
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.108 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

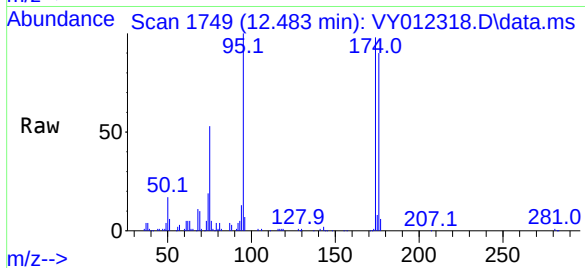
Tgt Ion: 43 Resp: 622
Ion Ratio Lower Upper
43 100
58 205.8 32.9 49.3#



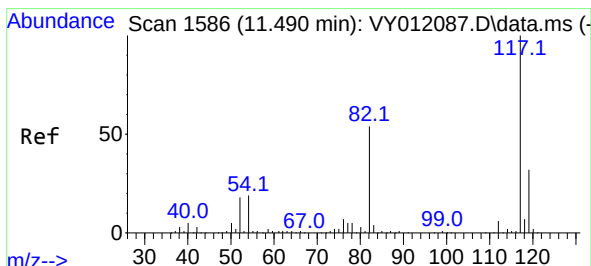
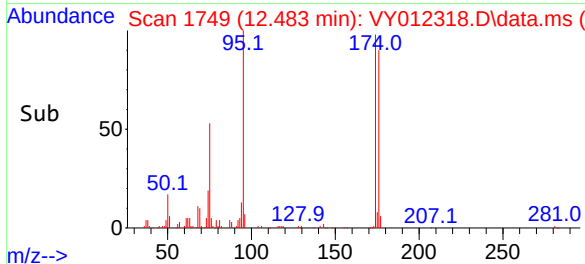
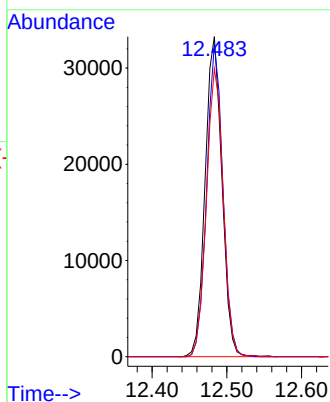


#62
4-Bromofluorobenzene
Concen: 48.577 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

Instrument :
MSVOA_Y
ClientSampleId :

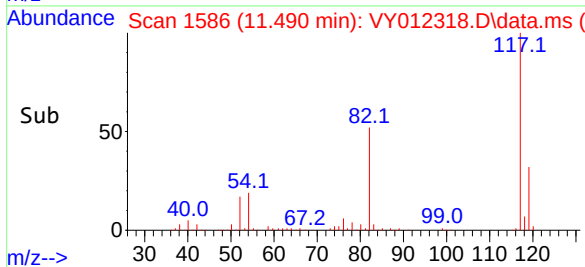
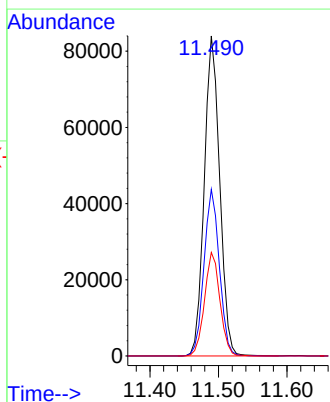
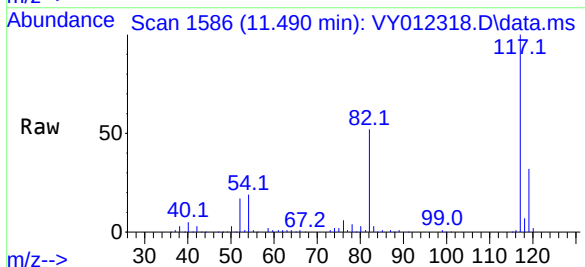


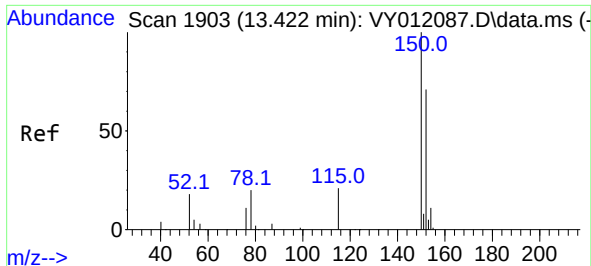
Tgt Ion: 95 Resp: 51737
Ion Ratio Lower Upper
95 100
174 94.0 0.0 172.0
176 90.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

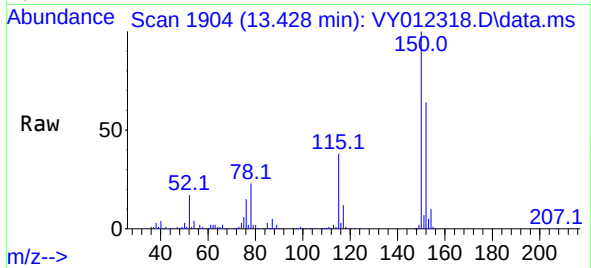
Tgt Ion: 117 Resp: 131828
Ion Ratio Lower Upper
117 100
82 52.0 44.8 67.2
119 32.3 25.4 38.2



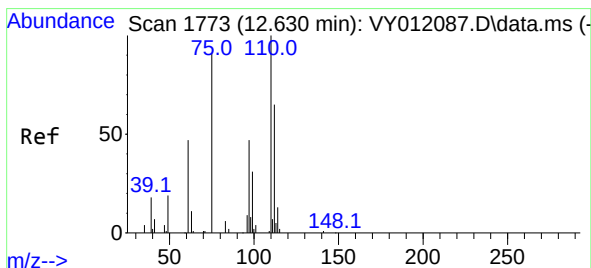
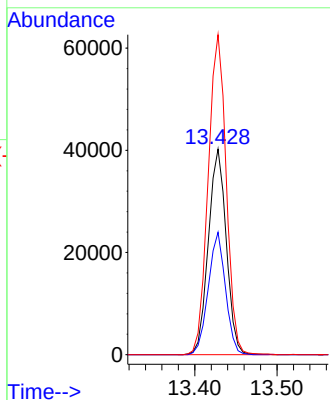
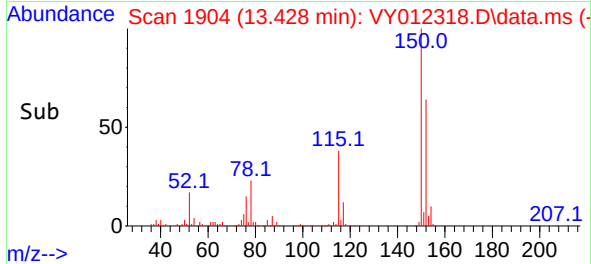


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY012318.D
 Acq: 23 Jan 2023 16:58

Instrument :
 MSVOA_Y
 ClientSampleId :

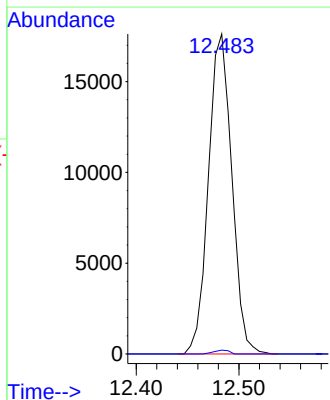
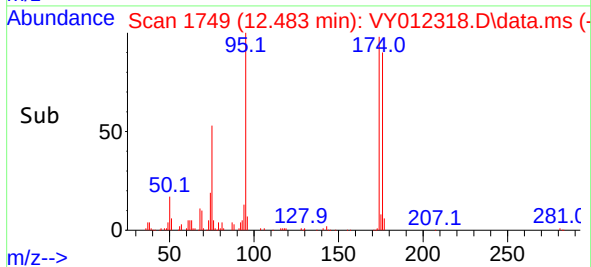
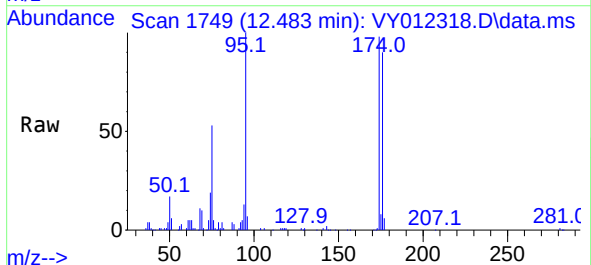


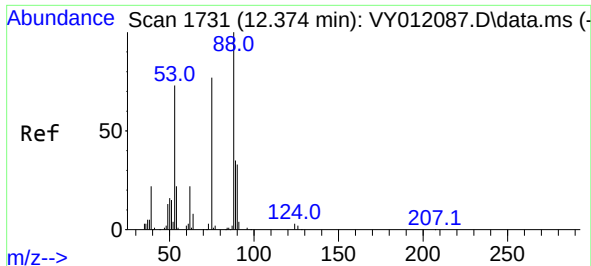
Tgt Ion:152 Resp: 60904
 Ion Ratio Lower Upper
 152 100
 115 57.2 29.1 87.3
 150 157.0 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 49.722 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY012318.D
 Acq: 23 Jan 2023 16:58

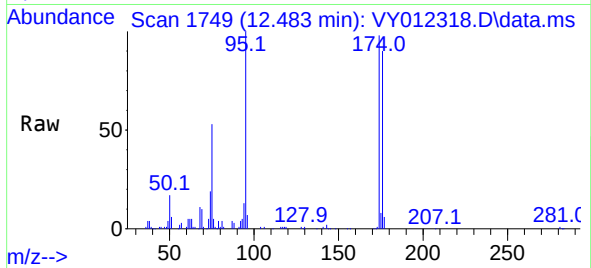
Tgt Ion: 75 Resp: 27846
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 102.449 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012318.D
Acq: 23 Jan 2023 16:58

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 27846
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

