

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
 Data File : VY012231.D
 Acq On : 17 Jan 2023 18:23
 Operator : KP/MD
 Sample : 01178-01
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-5-011723

Quant Time: Jan 18 00:34:14 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)

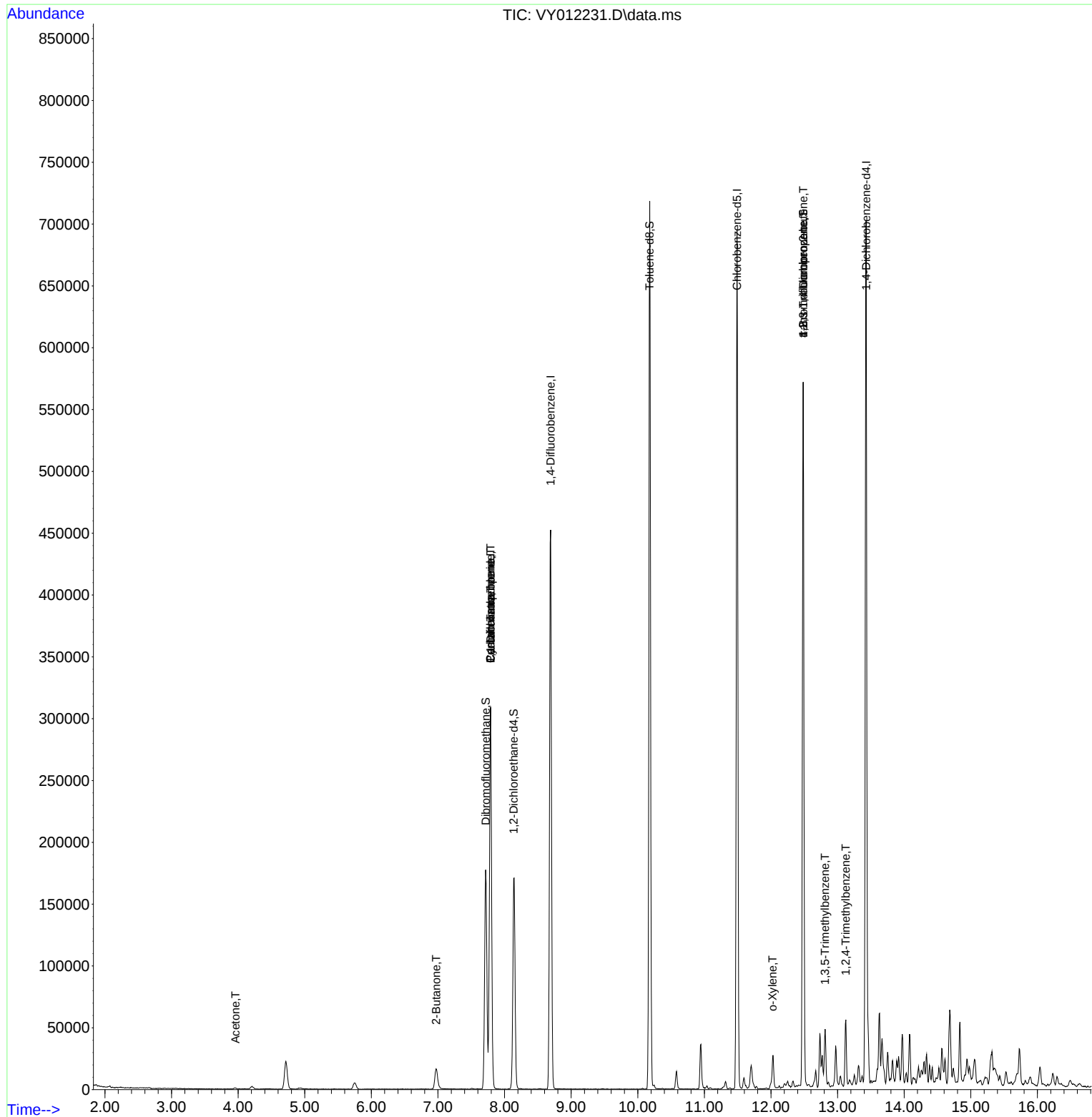
Internal Standards						
1) Pentafluorobenzene	7.789	168	241267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	407871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	389430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	186228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	137347	70.274	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.540%	
35) Dibromofluoromethane	7.716	113	124488	57.642	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.280%	
50) Toluene-d8	10.179	98	481985	65.779	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 131.560%	
62) 4-Bromofluorobenzene	12.483	95	171149	56.216	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	693	Below Cal	#	74
16) Acetone	3.960	43	1654	2.462	ug/l	97
20) Methylene Chloride	4.716	84	18020	Below Cal		92
25) 2-Butanone	6.972	43	1308	1.764	ug/l	92
31) Cyclohexane	7.789	56	4192	1.192	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	16862	4.594	ug/l #	50
38) Carbon Tetrachloride	7.789	117	23503	4.958	ug/l #	18
69) o-Xylene	12.026	106	6959	1.294	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	87409	51.044	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	14859	1.273	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	87409	105.173	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	29902	2.597	ug/l	99

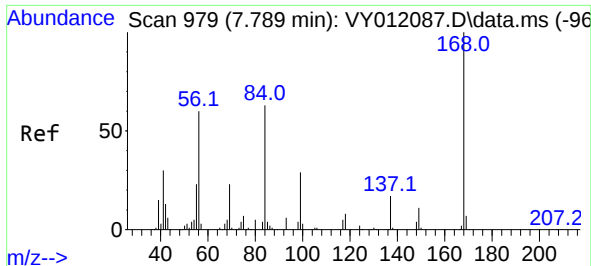
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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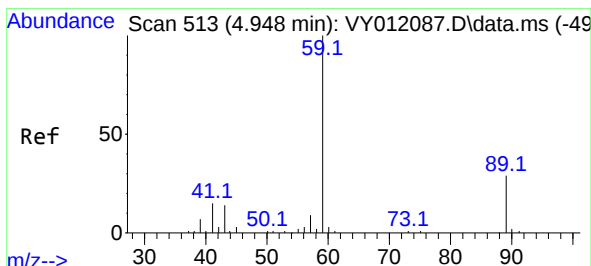
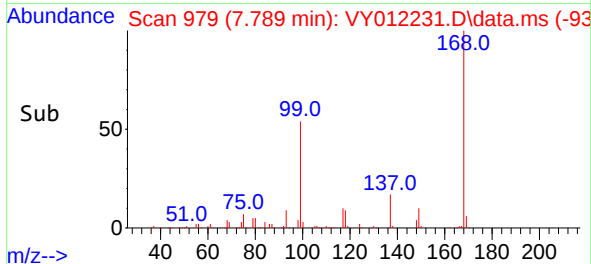
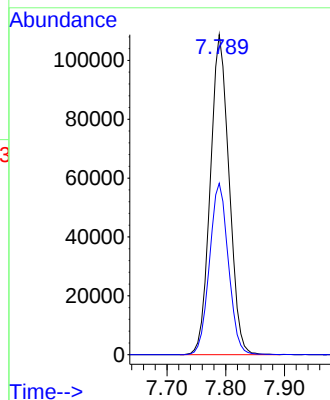
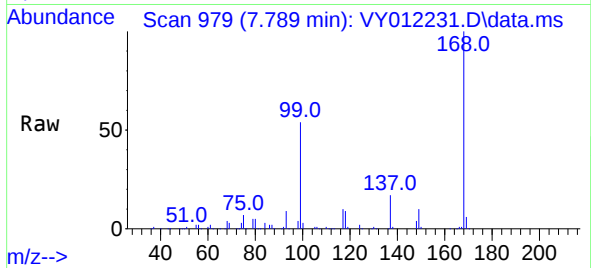




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

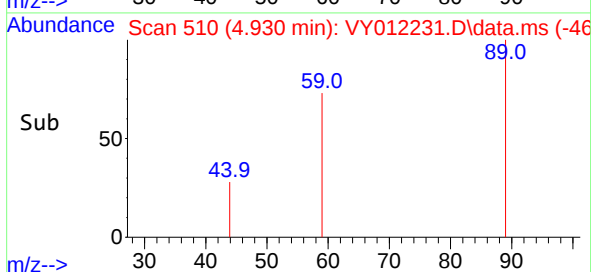
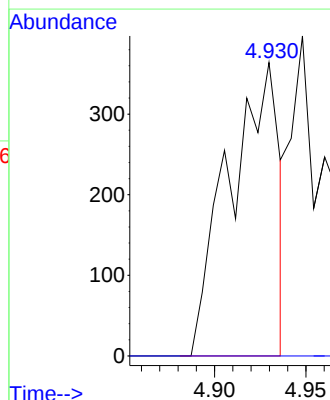
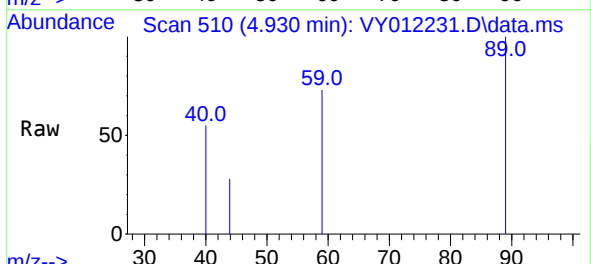
Instrument :
MSVOA_Y
ClientSampleId :
AU-5-011723

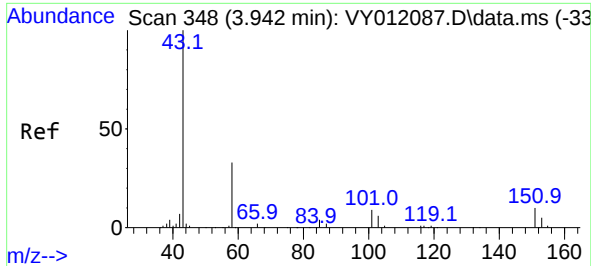
Tgt Ion:168 Resp: 241267
Ion Ratio Lower Upper
168 100
99 53.5 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

Tgt Ion: 59 Resp: 693
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 2.462 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.018 min

Lab File: VY012231.D

Acq: 17 Jan 2023 18:23

Instrument :

MSVOA_Y

ClientSampleId :

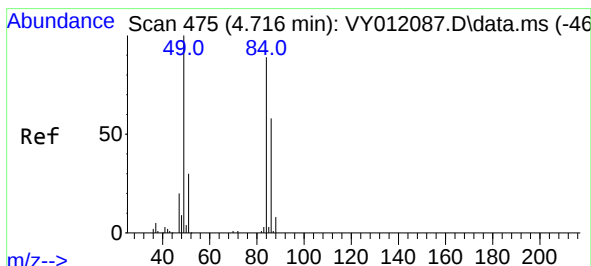
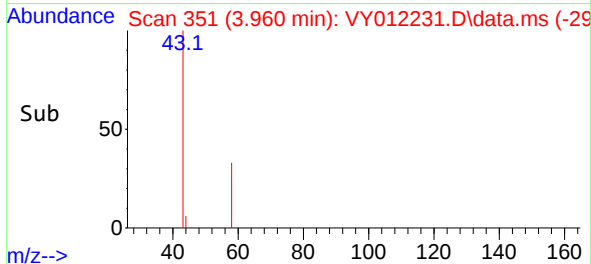
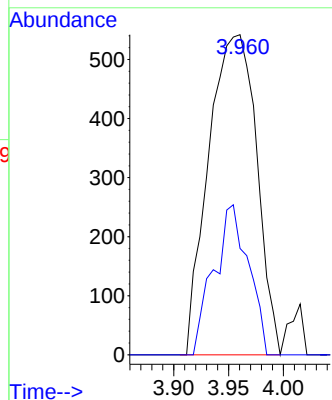
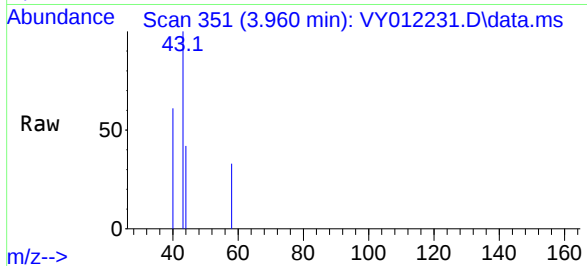
AU-5-011723

Tgt Ion: 43 Resp: 1654

Ion Ratio Lower Upper

43 100

58 33.2 27.9 41.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012231.D

Acq: 17 Jan 2023 18:23

Tgt Ion: 84 Resp: 18020

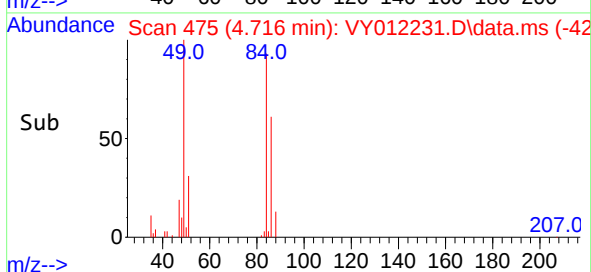
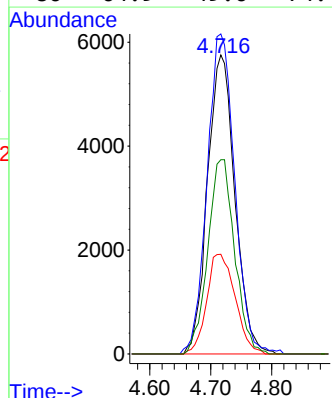
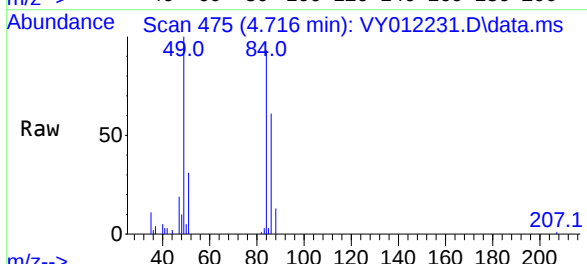
Ion Ratio Lower Upper

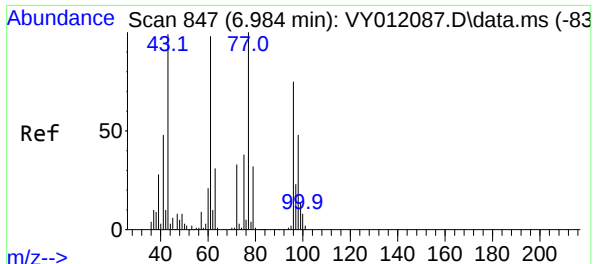
84 100

49 107.0 95.4 143.2

51 33.3 29.9 44.9

86 64.9 49.6 74.4

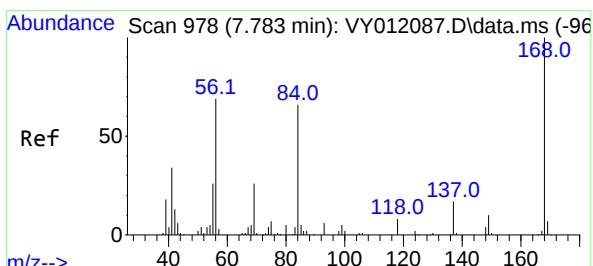
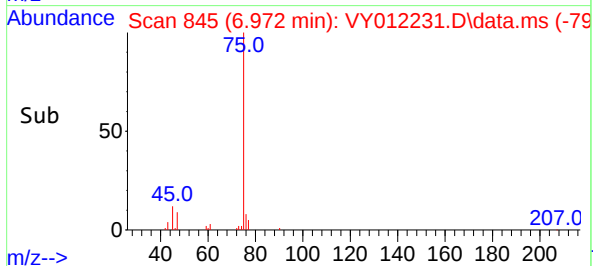
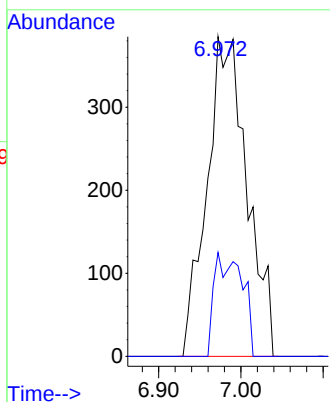
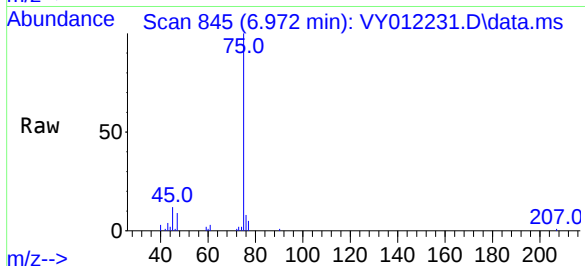




#25
2-Butanone
Concen: 1.764 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

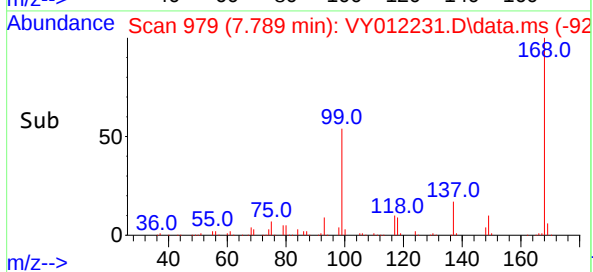
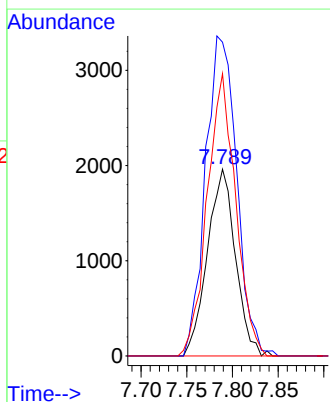
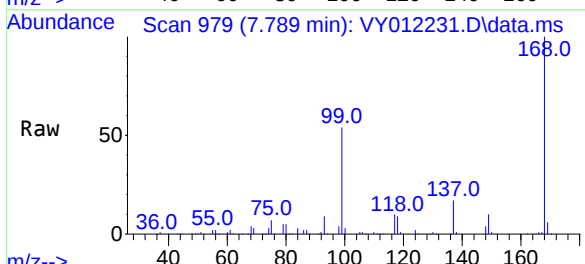
Instrument :
MSVOA_Y
ClientSampleId :
AU-5-011723

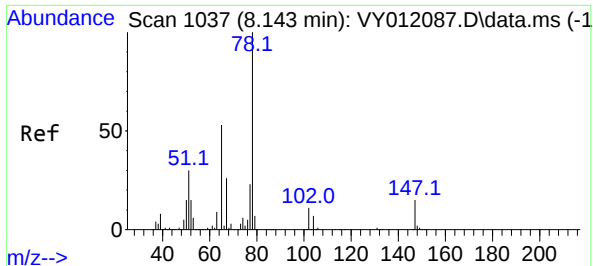
Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
72 32.5 22.6 34.0



#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

Tgt Ion: 56 Resp: 4192
Ion Ratio Lower Upper
56 100
69 168.1 29.2 43.8#
84 151.2 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 70.274 ug/l

RT: 8.137 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY012231.D

Acq: 17 Jan 2023 18:23

Instrument :

MSVOA_Y

ClientSampleId :

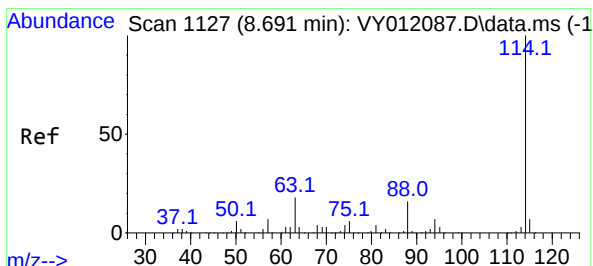
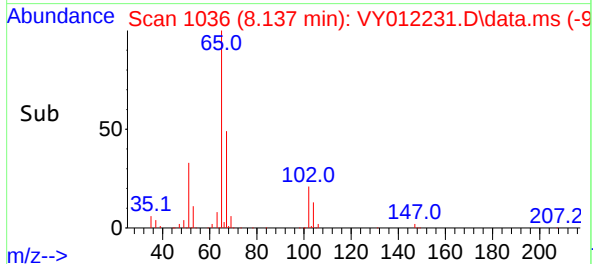
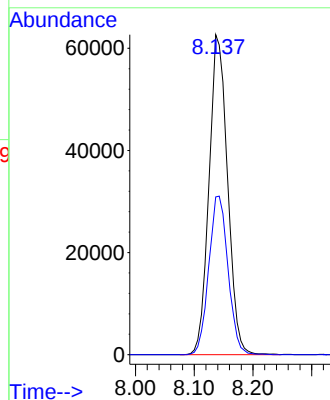
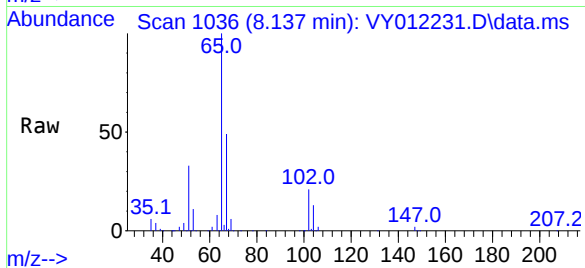
AU-5-011723

Tgt Ion: 65 Resp: 137347

Ion Ratio Lower Upper

65 100

67 51.5 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: VY012231.D

Acq: 17 Jan 2023 18:23

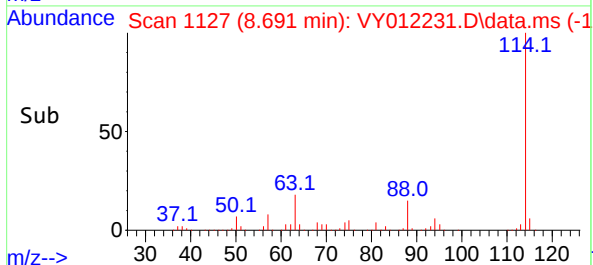
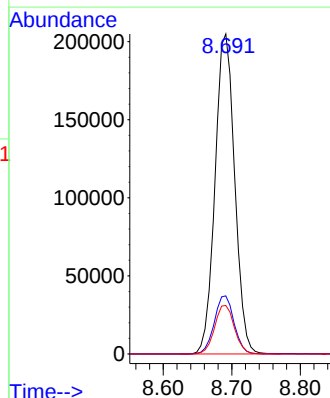
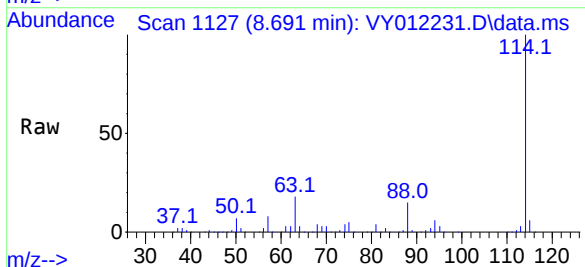
Tgt Ion: 114 Resp: 407871

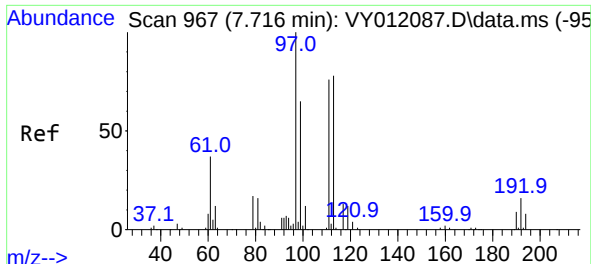
Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.1 0.0 32.2

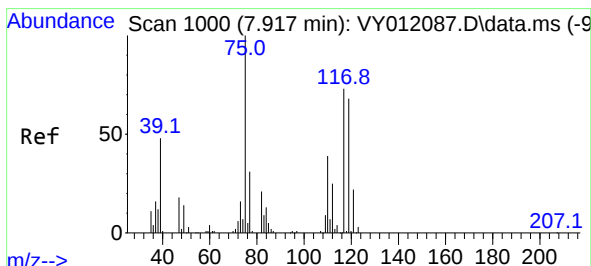
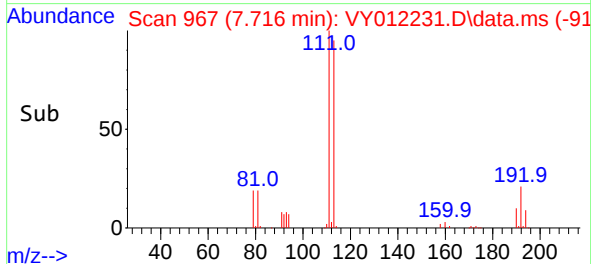
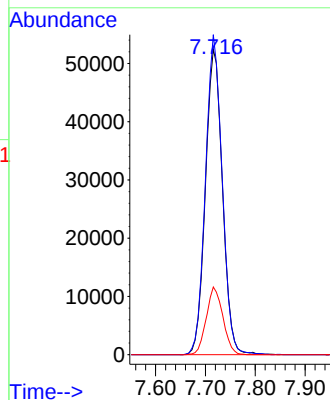
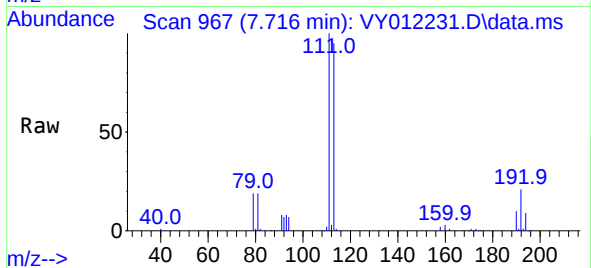




#35
Dibromofluoromethane
Concen: 57.642 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

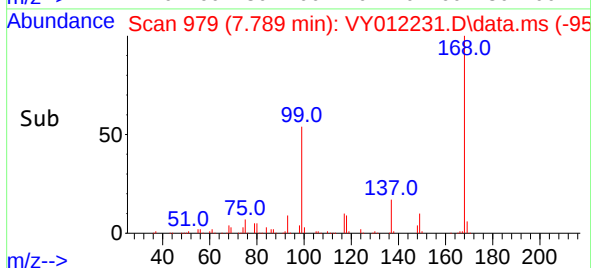
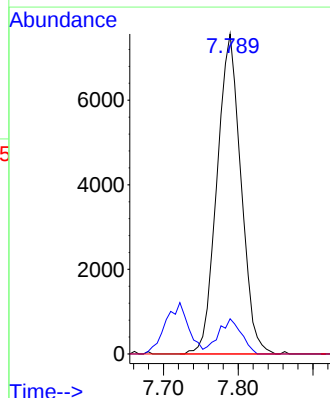
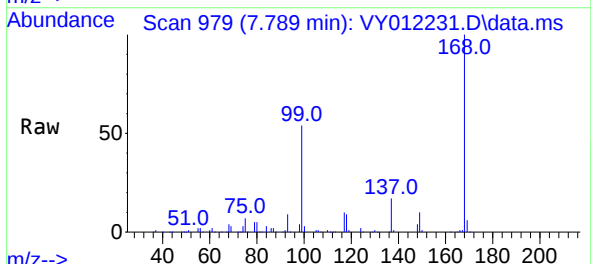
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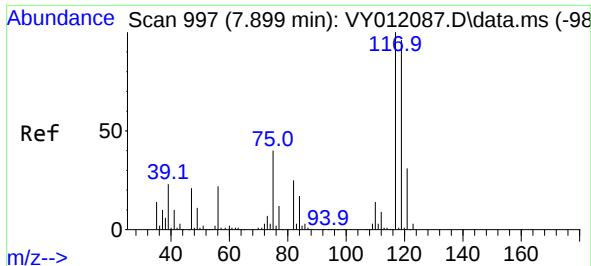
Tgt Ion:113 Resp: 124488
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 21.6 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.594 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

Tgt Ion: 75 Resp: 16862
Ion Ratio Lower Upper
75 100
110 10.6 18.1 54.1#
77 0.0 25.1 37.7#

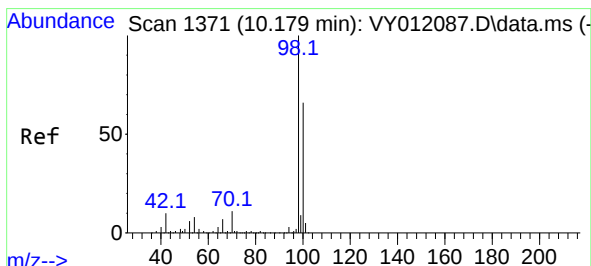
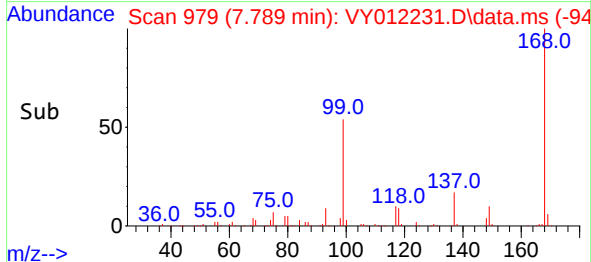
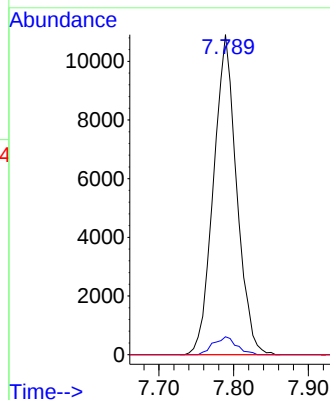
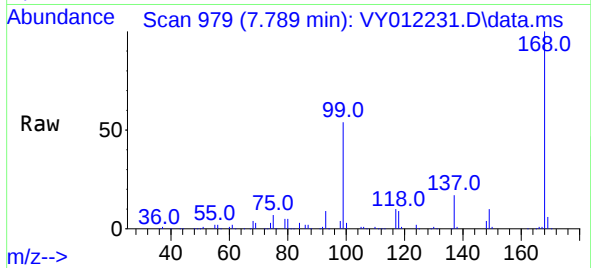




#38
Carbon Tetrachloride
Concen: 4.958 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

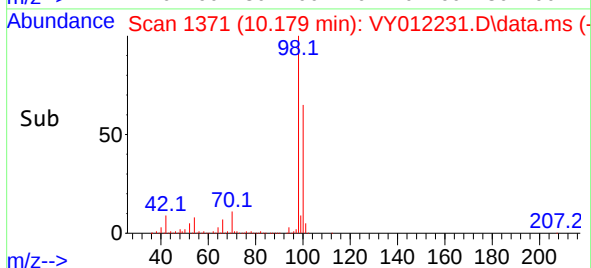
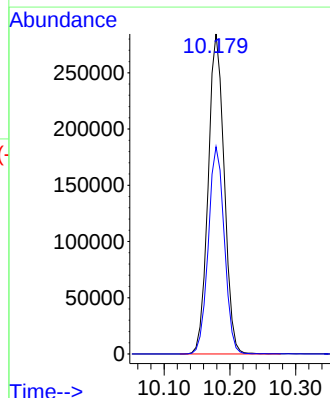
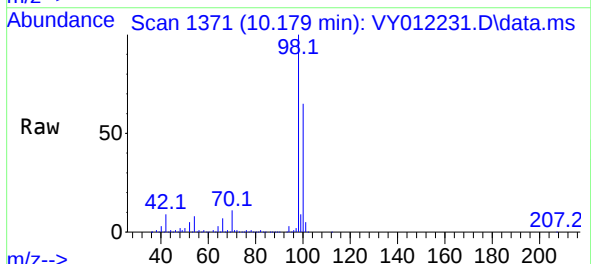
Instrument :
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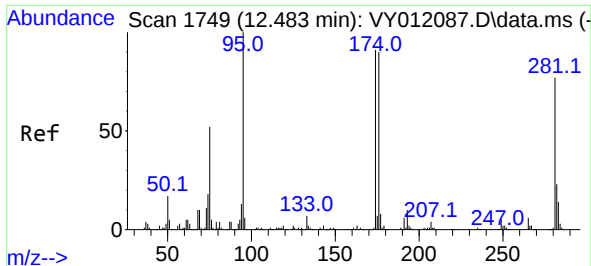
Tgt Ion:117 Resp: 23503
Ion Ratio Lower Upper
117 100
119 5.6 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 65.779 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

Tgt Ion: 98 Resp: 481985
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

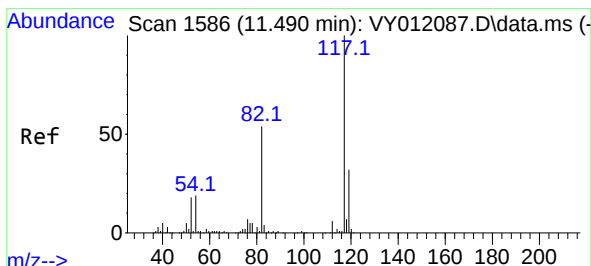
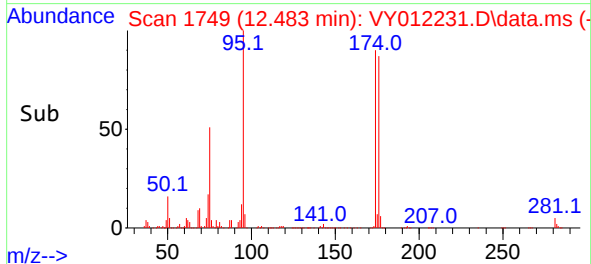
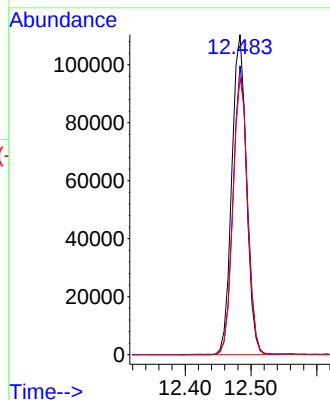
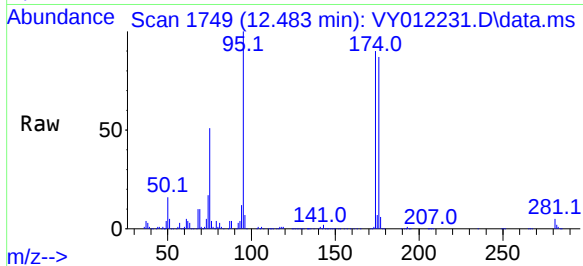




#62
4-Bromofluorobenzene
Concen: 56.216 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

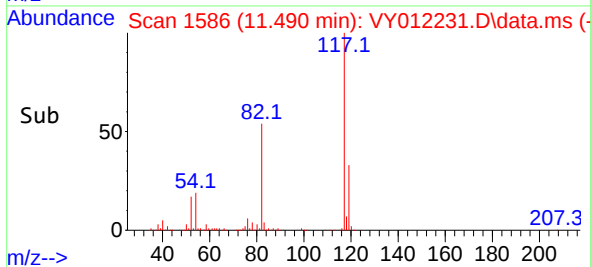
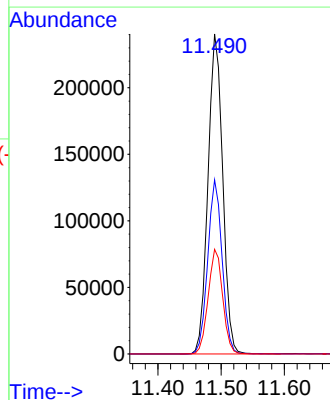
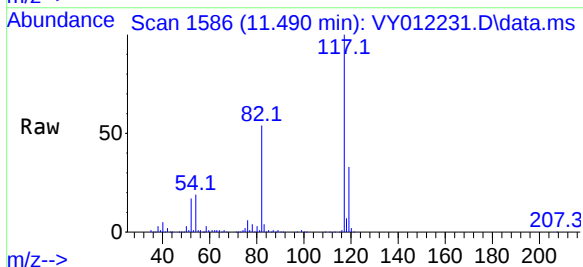
Instrument :
MSVOA_Y
ClientSampleId :
AU-5-011723

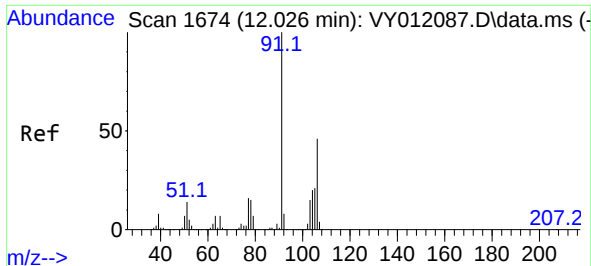
Tgt Ion: 95 Resp: 171149
Ion Ratio Lower Upper
95 100
174 88.8 0.0 172.0
176 86.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

Tgt Ion: 117 Resp: 389430
Ion Ratio Lower Upper
117 100
82 54.4 44.8 67.2
119 32.7 25.4 38.2

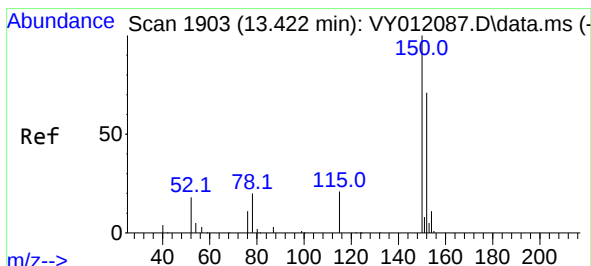
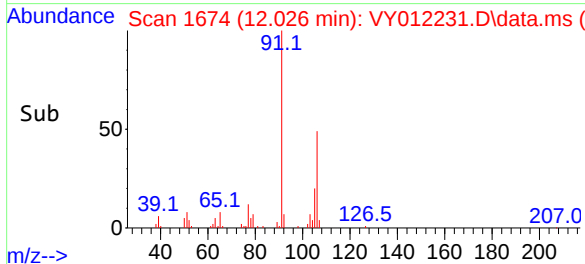
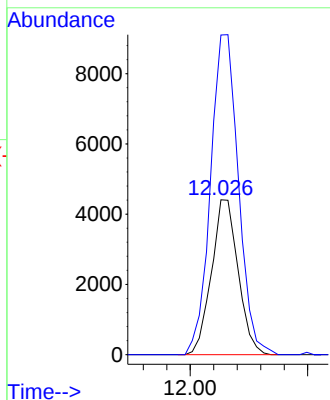
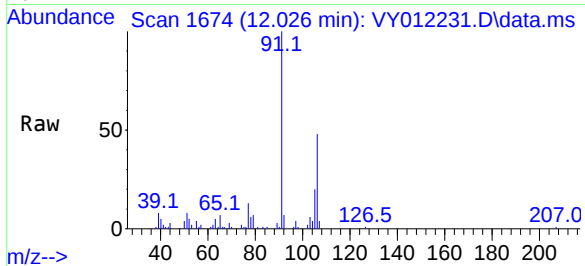




#69
o-Xylene
Concen: 1.294 ug/l
RT: 12.026 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

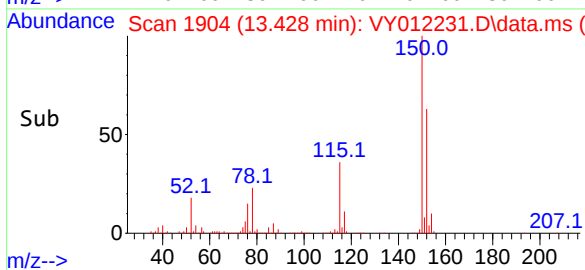
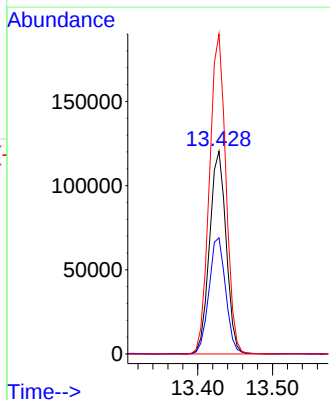
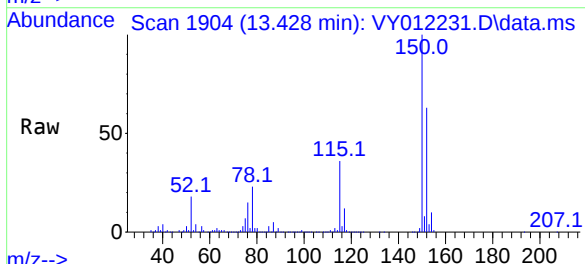
Instrument :
MSVOA_Y
ClientSampleId :
AU-5-011723

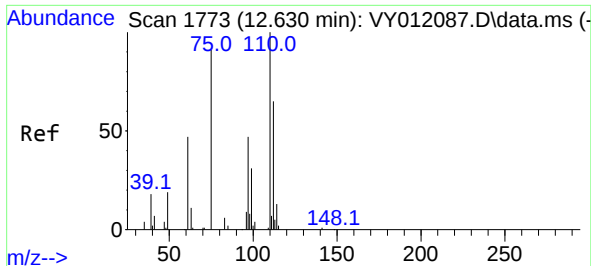
Tgt Ion:106 Resp: 6959
Ion Ratio Lower Upper
106 100
91 215.8 107.5 322.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

Tgt Ion:152 Resp: 186228
Ion Ratio Lower Upper
152 100
115 58.0 29.1 87.3
150 156.4 0.0 342.6

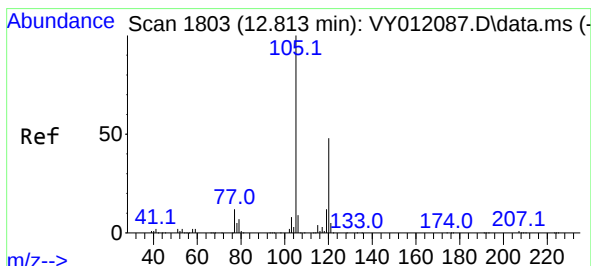
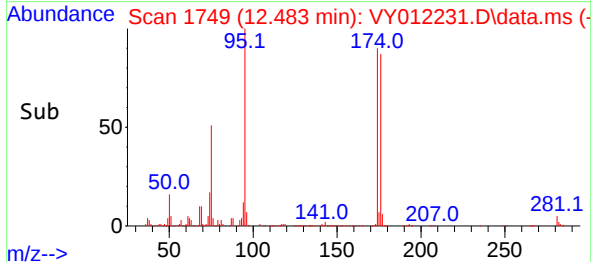
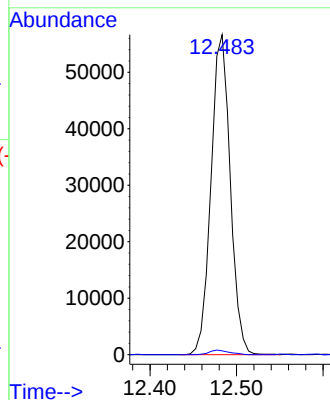
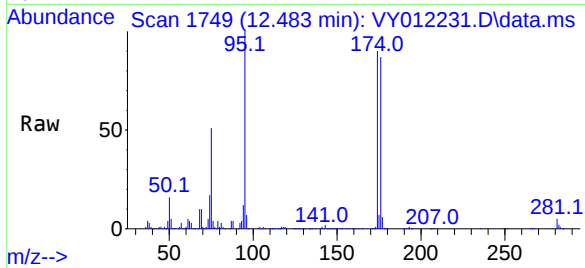




#76
1,2,3-Trichloropropane
Concen: 51.044 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.147 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

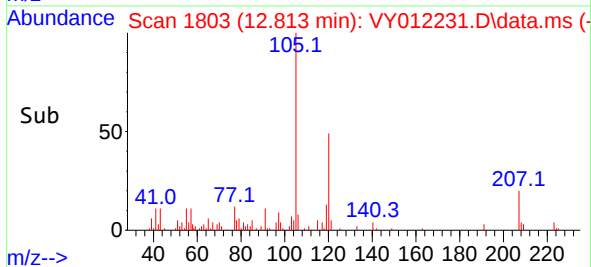
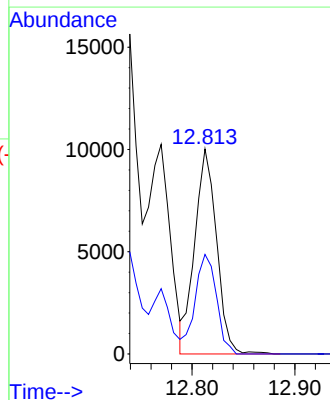
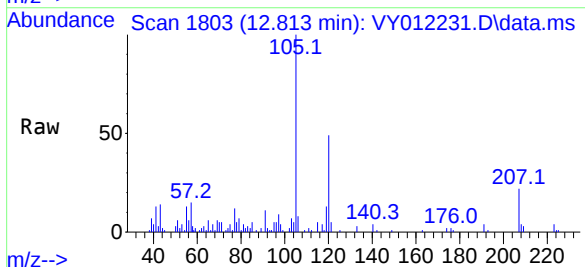
Instrument :
MSVOA_Y
ClientSampleId :
AU-5-011723

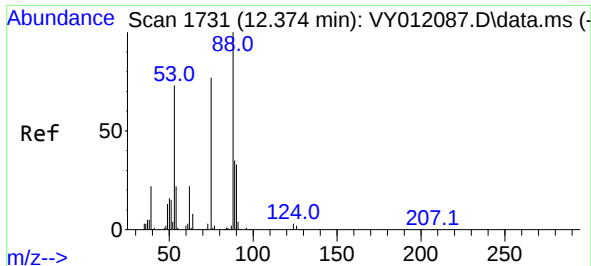
Tgt Ion: 75 Resp: 87409
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.273 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

Tgt Ion:105 Resp: 14859
Ion Ratio Lower Upper
105 100
120 47.6 24.2 72.6

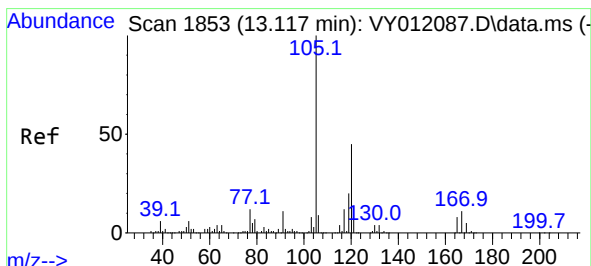
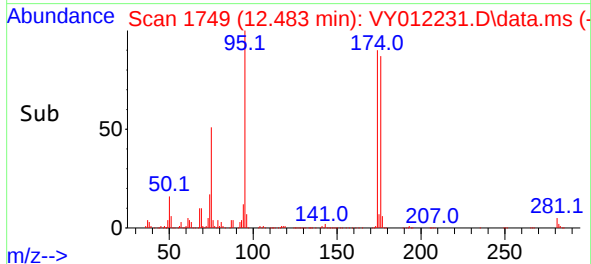
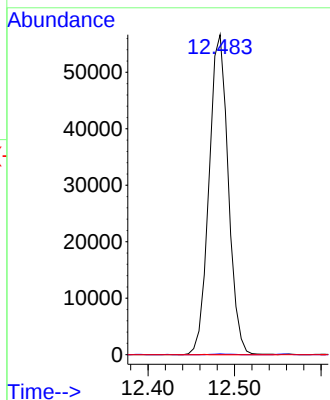
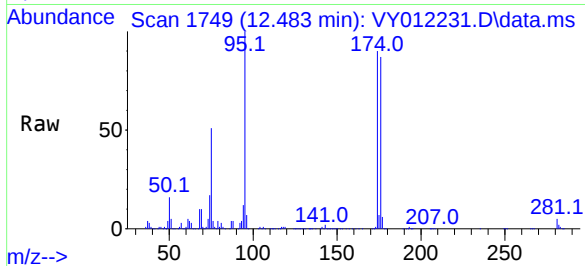




#81
trans-1,4-Dichloro-2-butene
Concen: 105.173 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

Instrument :
MSVOA_Y
ClientSampleId :
AU-5-011723

Tgt Ion: 75 Resp: 87409
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.597 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY012231.D
Acq: 17 Jan 2023 18:23

Tgt Ion:105 Resp: 29902
Ion Ratio Lower Upper
105 100
120 46.6 22.9 68.7

