

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032723\
 Data File : VY013095.D
 Acq On : 27 Mar 2023 16:31
 Operator : KP/MD
 Sample : 02104-01
 Misc : 5.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-37-SB01

Quant Time: Mar 28 01:45:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

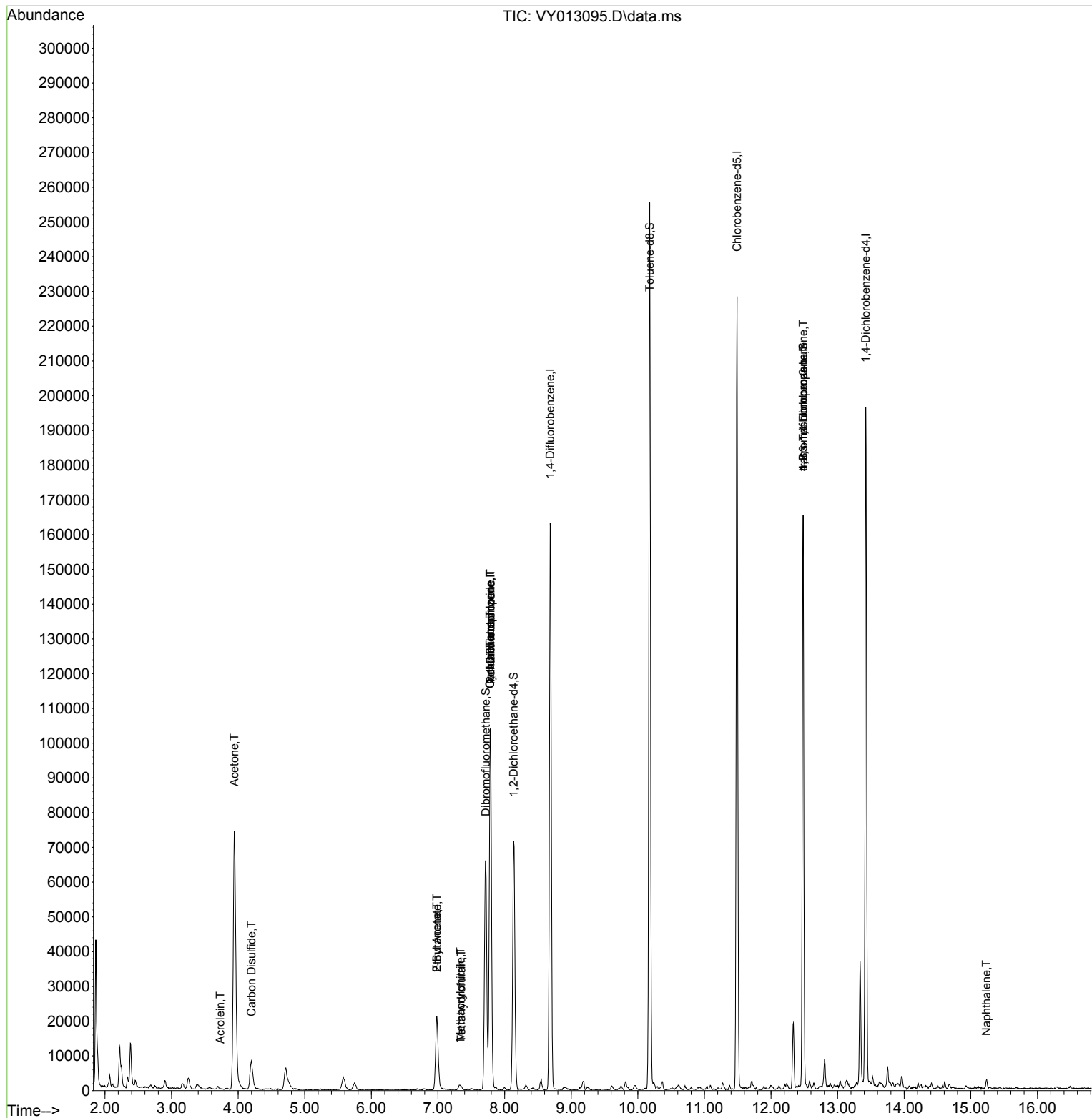
Internal Standards						
1) Pentafluorobenzene	7.789	168	81681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	136190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	117605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	49791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	54665	67.406	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.820%			
35) Dibromofluoromethane	7.716	113	47051	57.246	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.500%			
50) Toluene-d8	10.179	98	160008	53.252	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.500%			
62) 4-Bromofluorobenzene	12.483	95	47011	46.354	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.700%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.942	59	115	Below Cal	#	74
13) Acrolein	3.729	56	219	1.541	ug/l #	14
16) Acetone	3.942	43	131971	414.588	ug/l	98
17) Carbon Disulfide	4.198	76	8374	2.925	ug/l	96
20) Methylene Chloride	4.716	84	4292	Below Cal		97
25) 2-Butanone	6.984	43	36857	93.483	ug/l	92
29) Tetrahydrofuran	7.350	42	411	1.728	ug/l #	63
31) Cyclohexane	7.783	56	2353	1.515	ug/l #	11
36) 1,1-Dichloropropene	7.789	75	6363	4.620	ug/l #	49
37) Ethyl Acetate	6.984	43	36857	42.457	ug/l #	70
38) Carbon Tetrachloride	7.783	117	7677	5.398	ug/l #	16
41) Methacrylonitrile	7.338	41	625	1.336	ug/l #	100
76) 1,2,3-Trichloropropane	12.483	75	24766	41.653	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	24766	86.306	ug/l #	13
95) Naphthalene	15.233	128	2317	1.256	ug/l	98

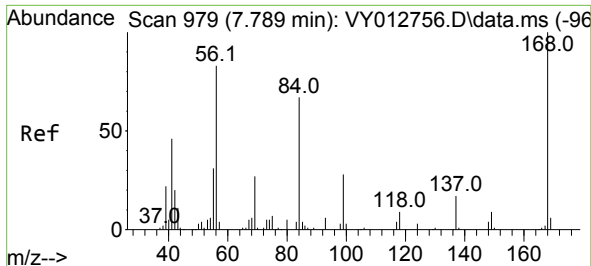
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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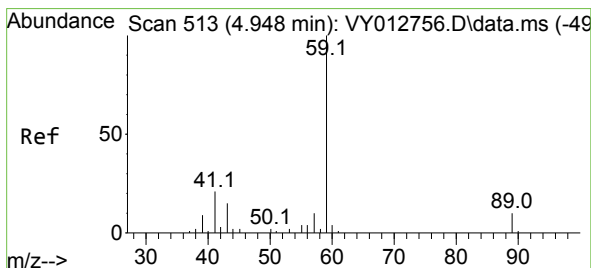
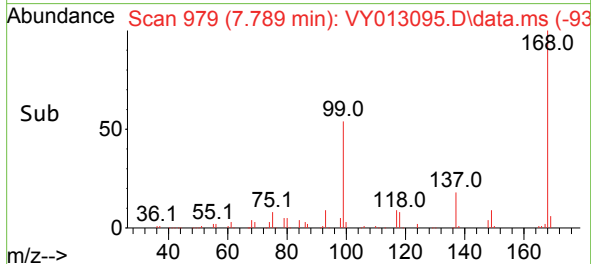
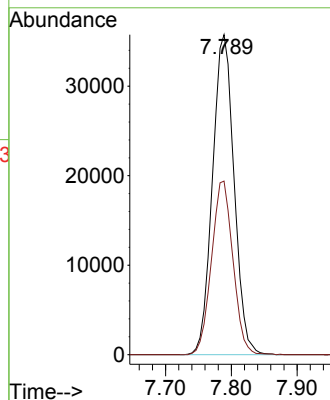
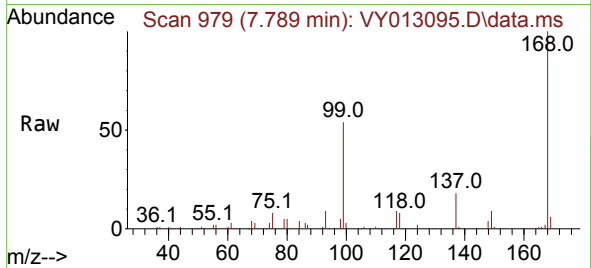




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

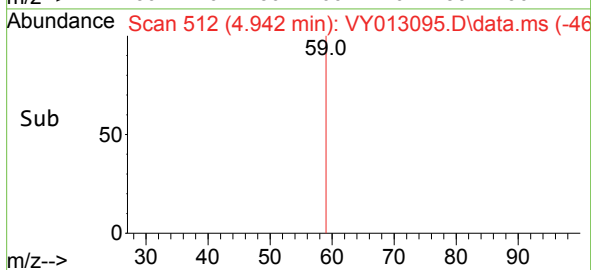
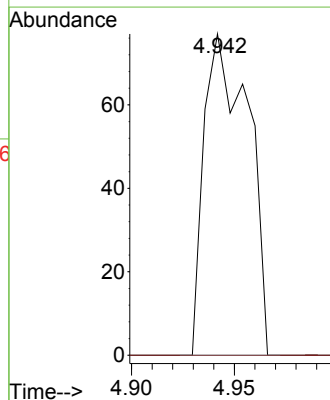
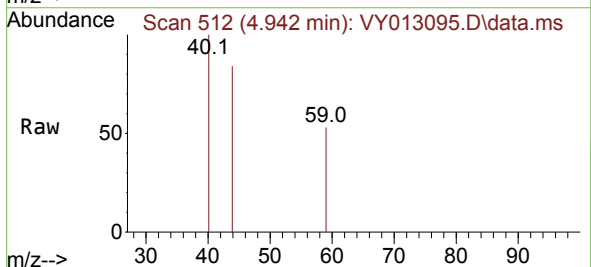
Instrument :
MSVOA_Y
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B-37-SB01

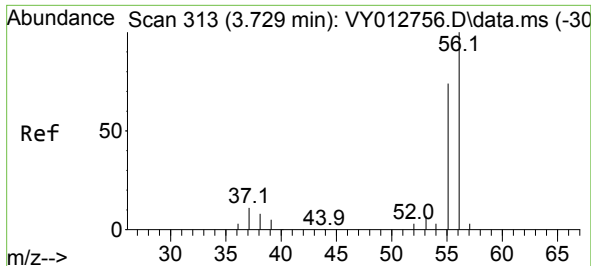
Tgt Ion:168 Resp: 81681
Ion Ratio Lower Upper
168 100
99 54.3 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

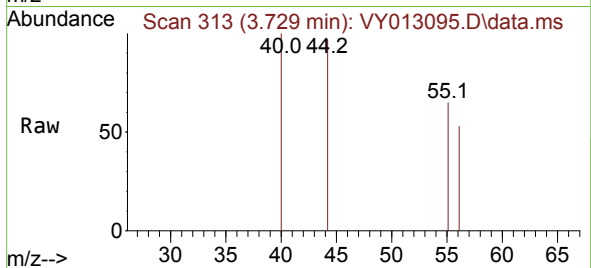
Tgt Ion: 59 Resp: 115
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



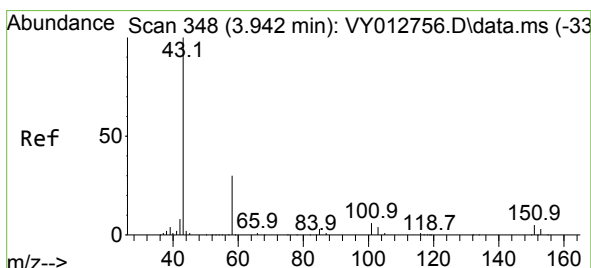
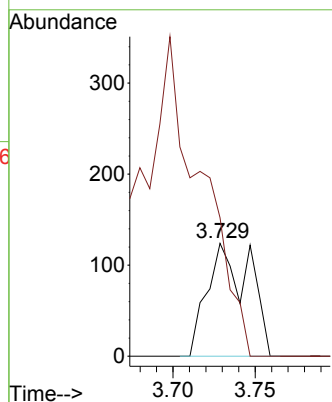
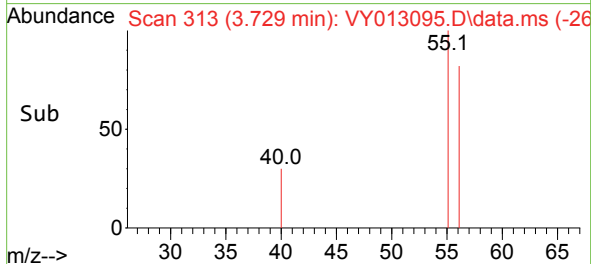


#13
Acrolein
Concen: 1.541 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

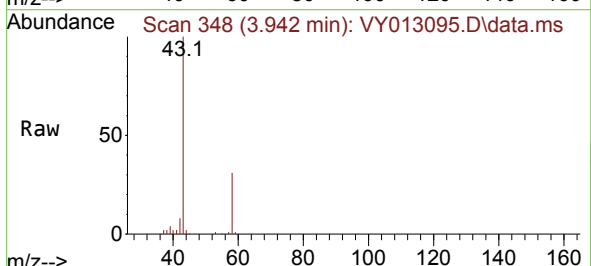
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB01



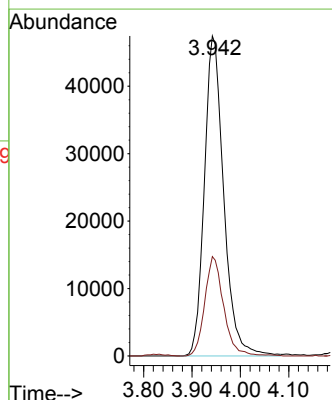
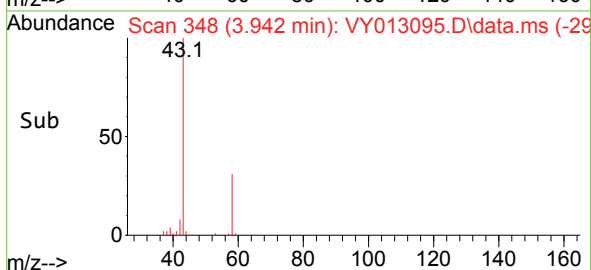
Tgt Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#

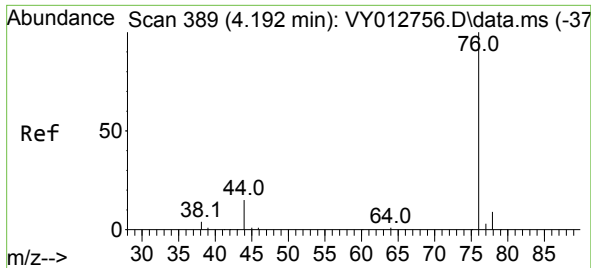


#16
Acetone
Concen: 414.588 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31



Tgt Ion: 43 Resp: 131971
Ion Ratio Lower Upper
43 100
58 31.1 24.2 36.2

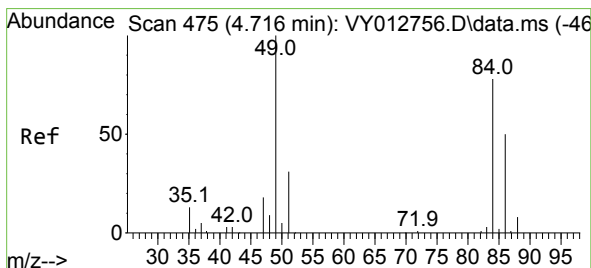
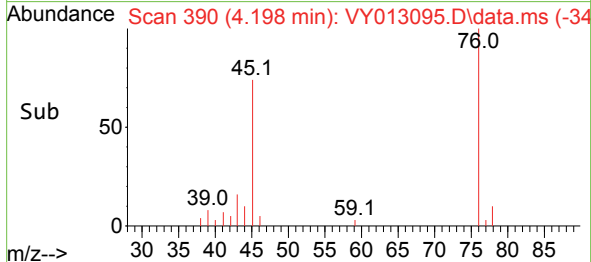
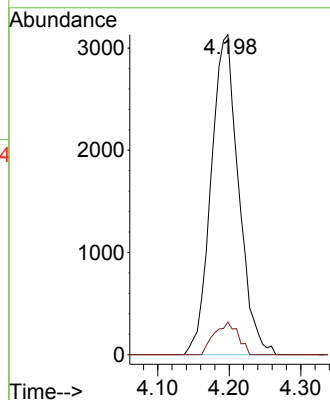
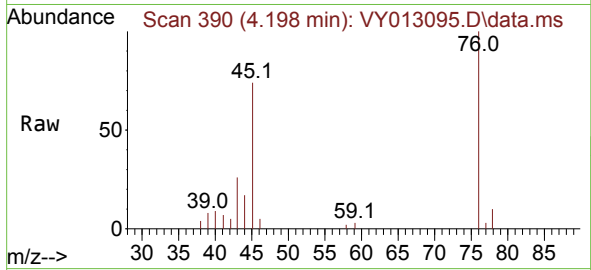




#17
Carbon Disulfide
Concen: 2.925 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

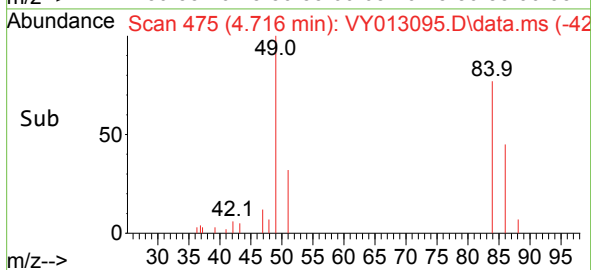
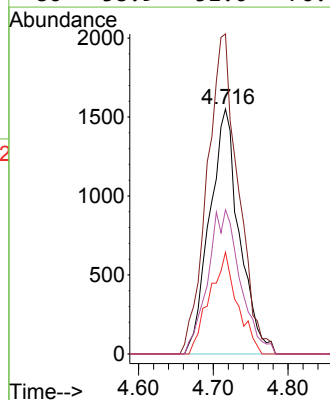
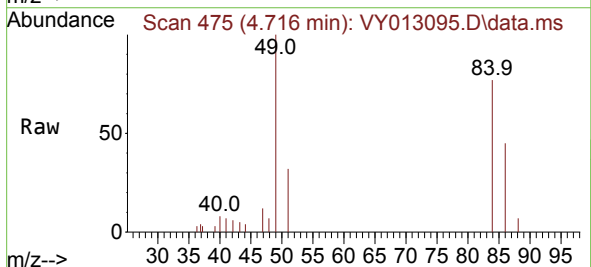
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB01

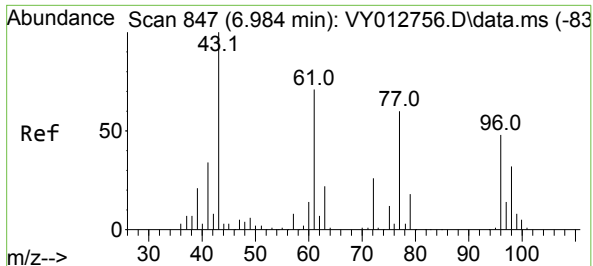
Tgt Ion: 76 Resp: 8374
Ion Ratio Lower Upper
76 100
78 10.2 7.1 10.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

Tgt Ion: 84 Resp: 4292
Ion Ratio Lower Upper
84 100
49 130.6 102.6 154.0
51 41.5 31.9 47.9
86 58.9 51.0 76.6





#25

2-Butanone

Concen: 93.483 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY013095.D

Acq: 27 Mar 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

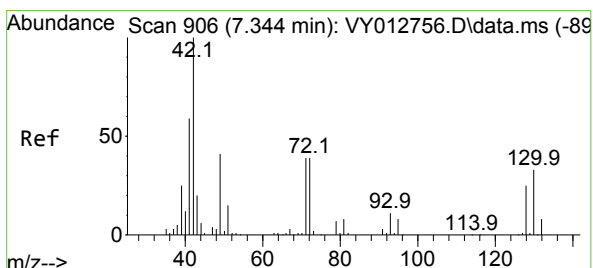
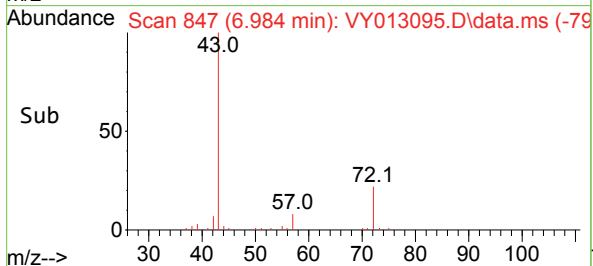
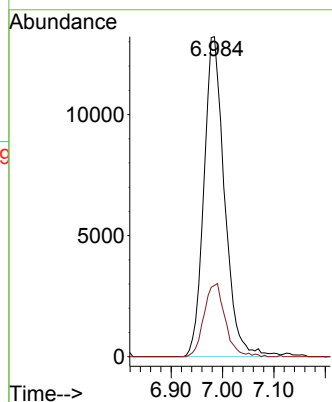
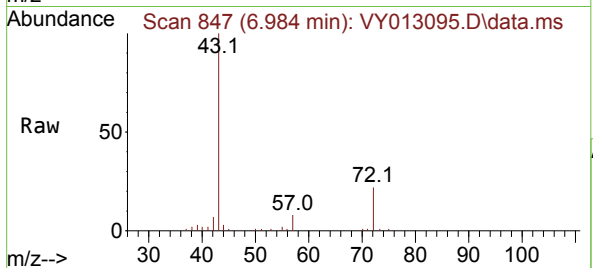
B-37-SB01

Tgt Ion: 43 Resp: 36857

Ion Ratio Lower Upper

43 100

72 22.3 21.0 31.4



#29

Tetrahydrofuran

Concen: 1.728 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY013095.D

Acq: 27 Mar 2023 16:31

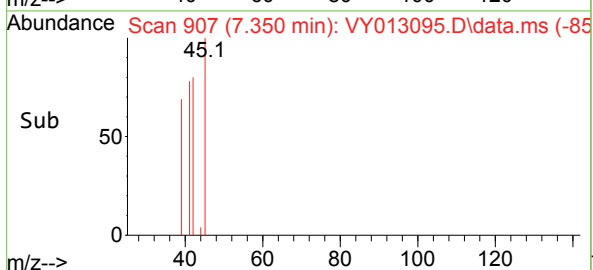
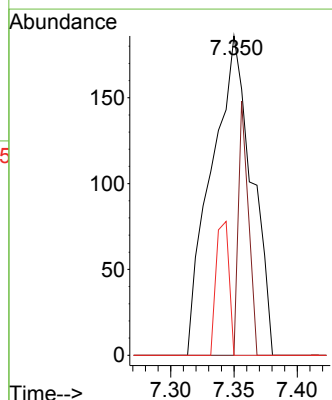
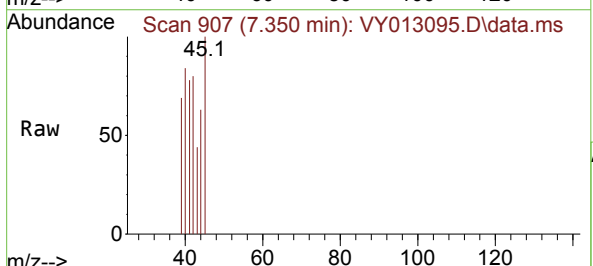
Tgt Ion: 42 Resp: 411

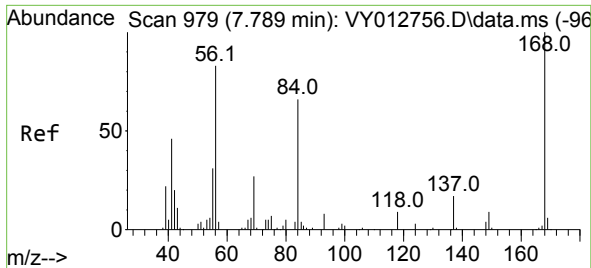
Ion Ratio Lower Upper

42 100

72 20.0 32.3 48.5#

71 13.4 30.3 45.5#

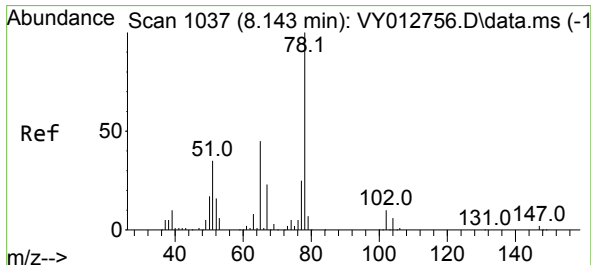
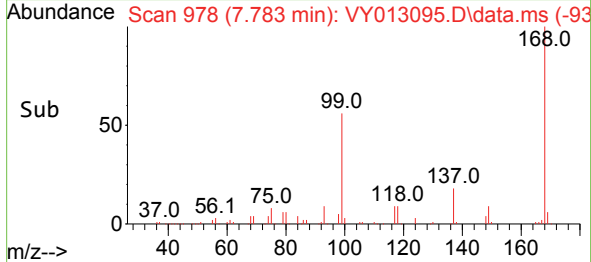
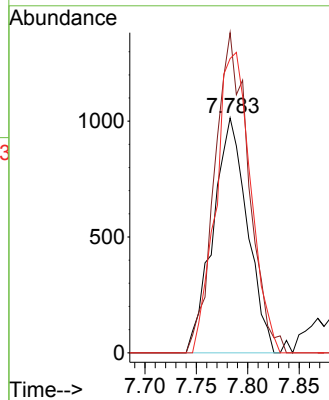
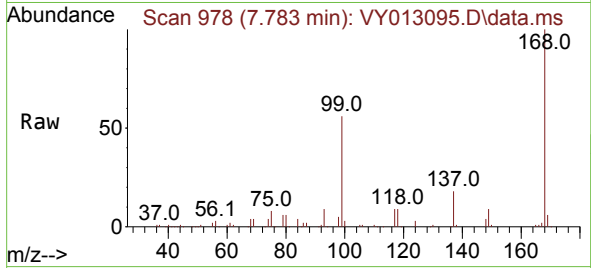




#31
Cyclohexane
Concen: 1.515 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

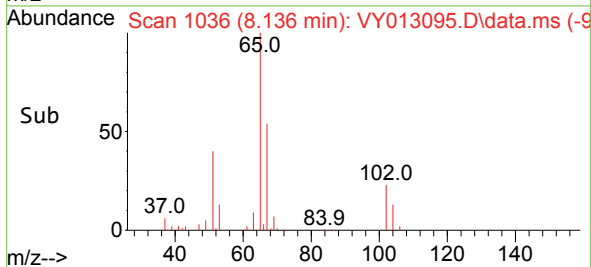
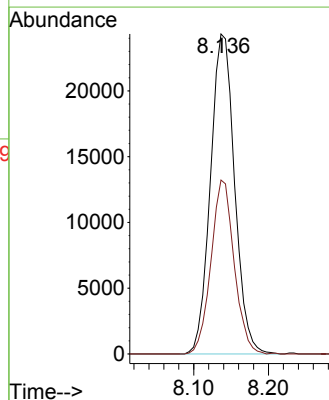
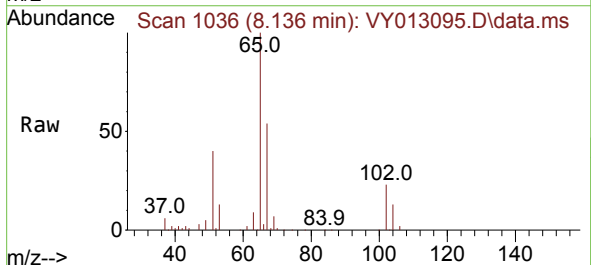
Instrument :
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B-37-SB01

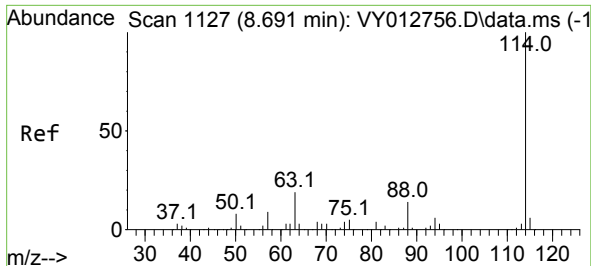
Tgt Ion: 56 Resp: 2353
Ion Ratio Lower Upper
56 100
69 136.3 25.7 38.5#
84 125.2 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 67.406 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

Tgt Ion: 65 Resp: 54665
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013095.D

Acq: 27 Mar 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

B-37-SB01

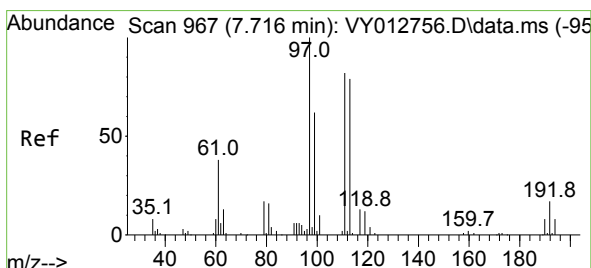
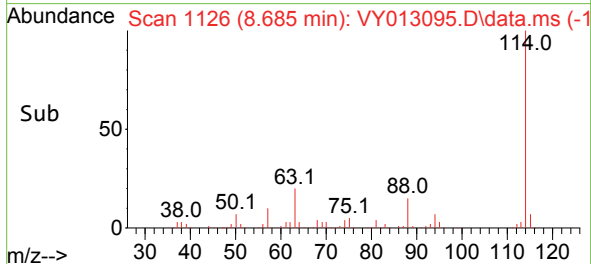
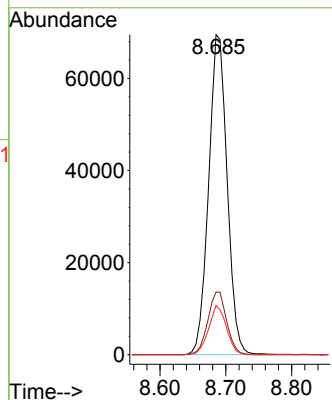
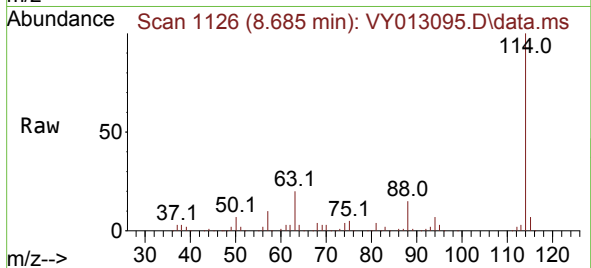
Tgt Ion:114 Resp: 136190

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

88 15.4 0.0 28.6



#35

Dibromofluoromethane

Concen: 57.246 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013095.D

Acq: 27 Mar 2023 16:31

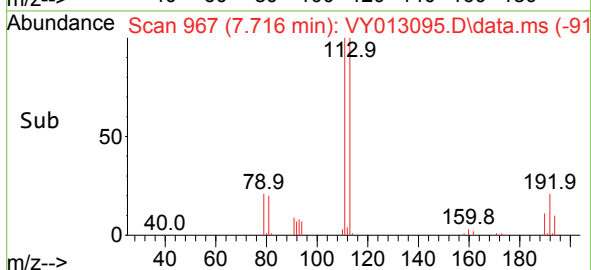
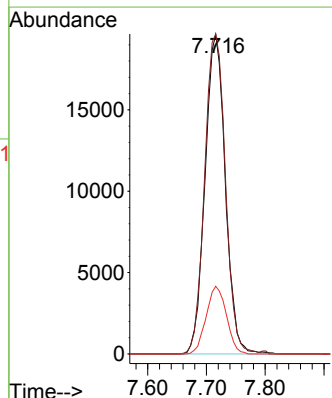
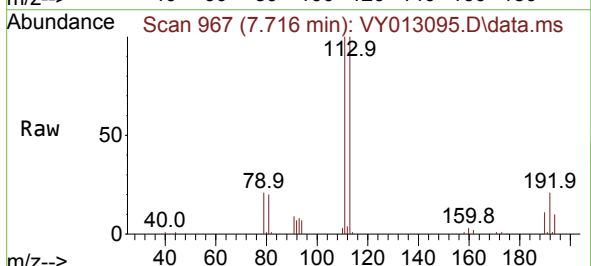
Tgt Ion:113 Resp: 47051

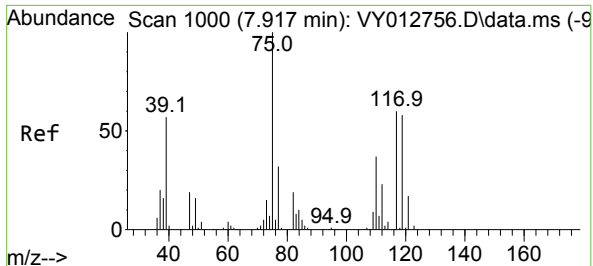
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 21.1 16.8 25.2

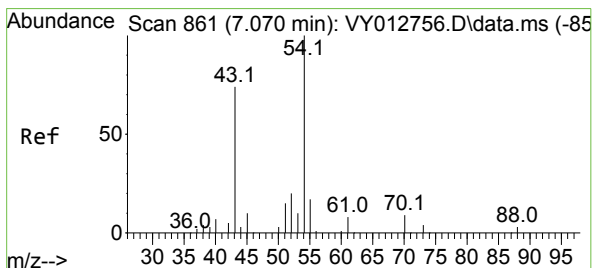
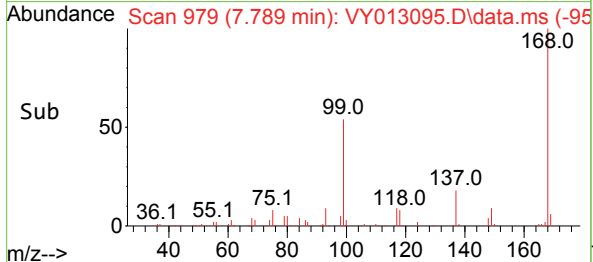
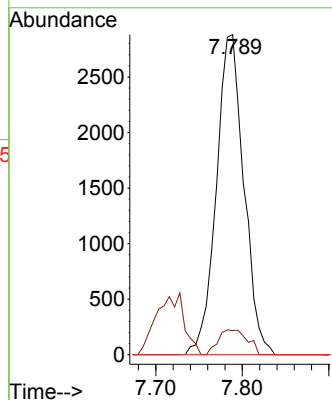
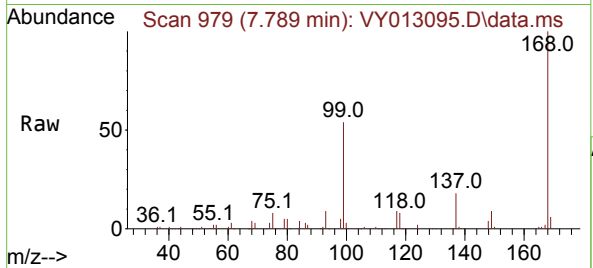




#36
1,1-Dichloropropene
Concen: 4.620 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

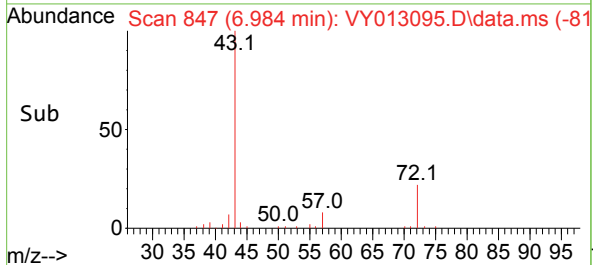
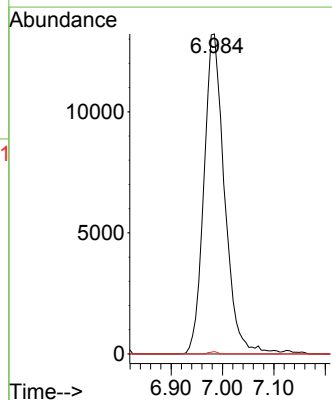
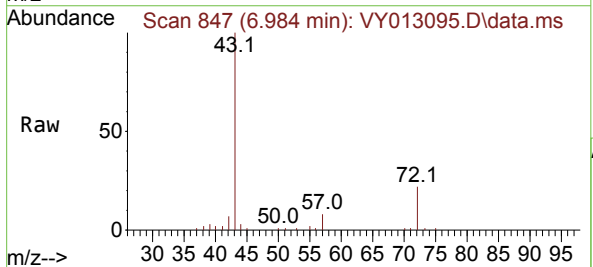
Instrument :
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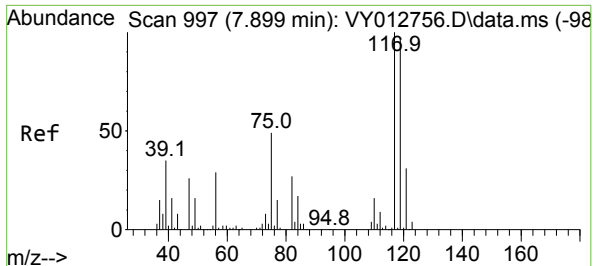
Tgt Ion: 75 Resp: 6363
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 42.457 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

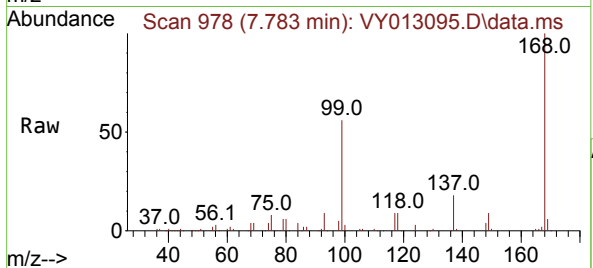
Tgt Ion: 43 Resp: 36857
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.3 7.8 11.8#



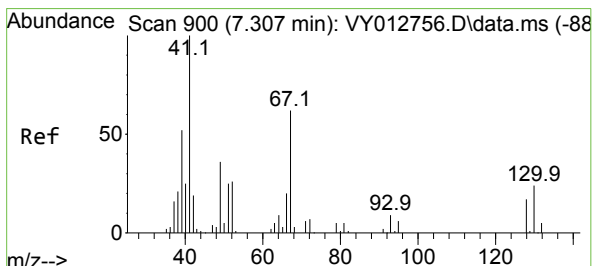
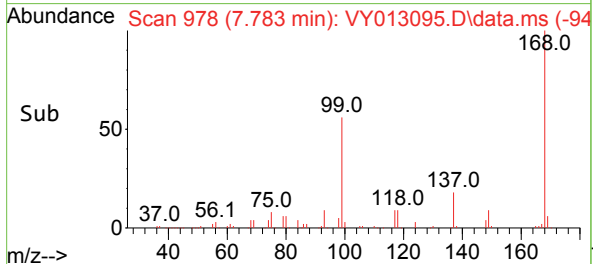
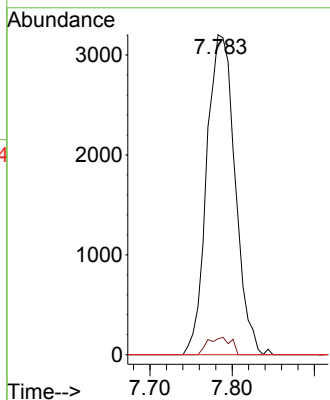


#38
Carbon Tetrachloride
Concen: 5.398 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB01

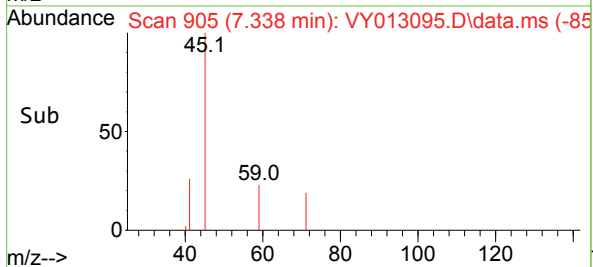
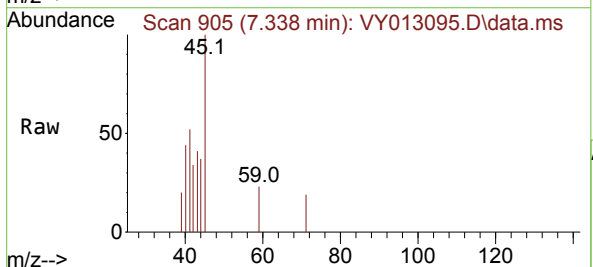
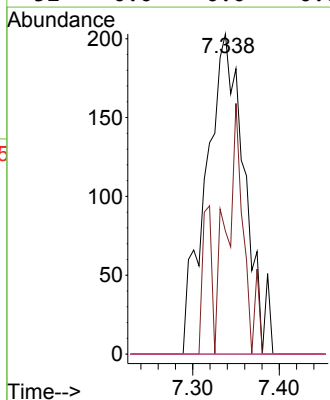


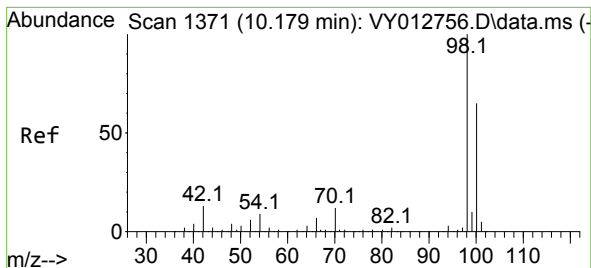
Tgt Ion:117 Resp: 7677
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 1.336 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.030 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

Tgt Ion: 41 Resp: 625
Ion Ratio Lower Upper
41 100
39 35.2 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

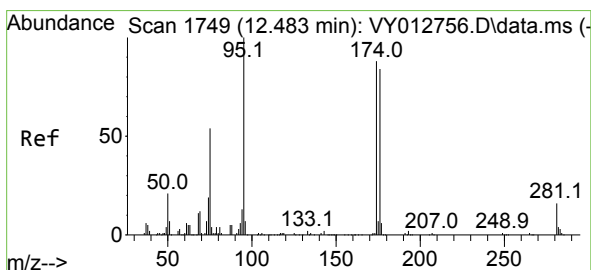
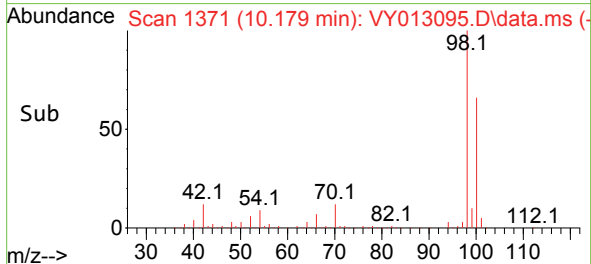
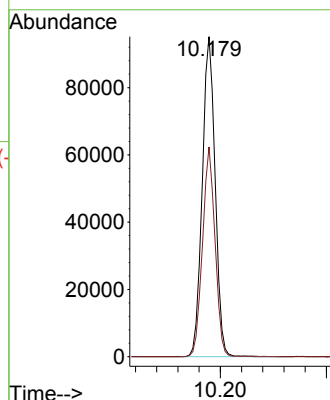
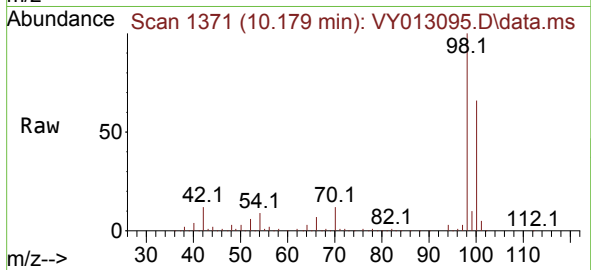




#50
Toluene-d8
Concen: 53.252 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

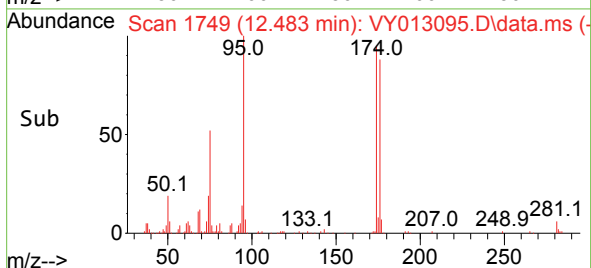
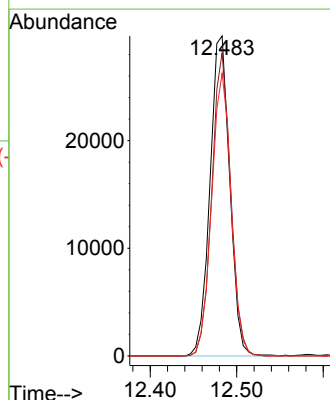
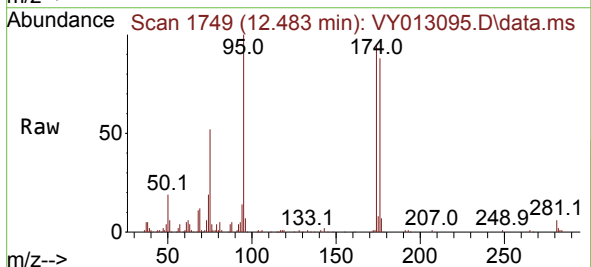
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB01

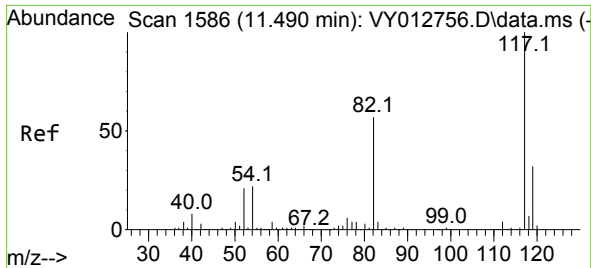
Tgt Ion: 98 Resp: 160008
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.354 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

Tgt Ion: 95 Resp: 47011
Ion Ratio Lower Upper
95 100
174 90.9 0.0 176.6
176 87.3 0.0 170.2

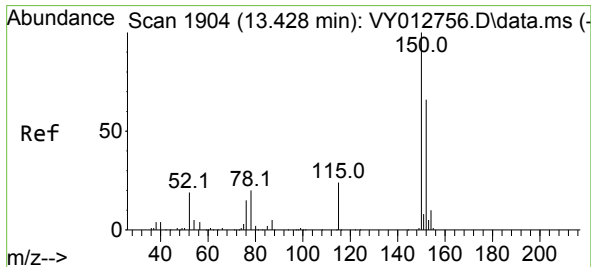
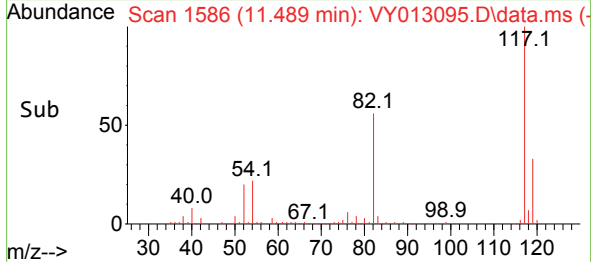
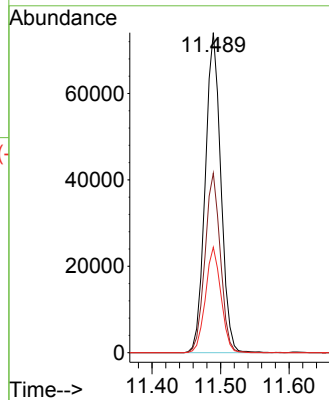
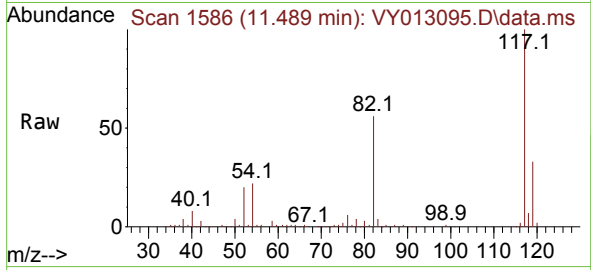




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117605
Delta R.T. -0.000 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

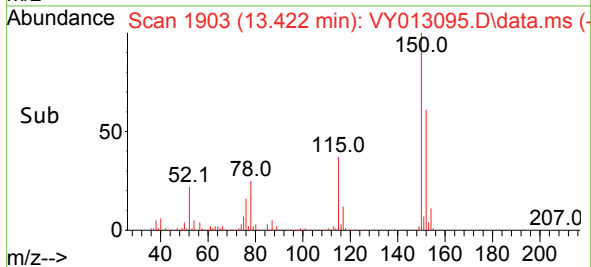
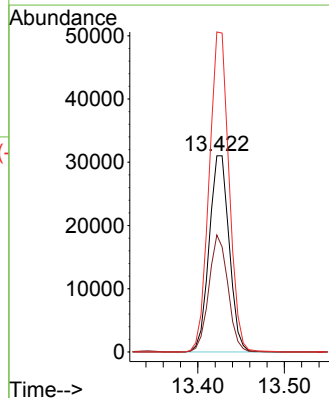
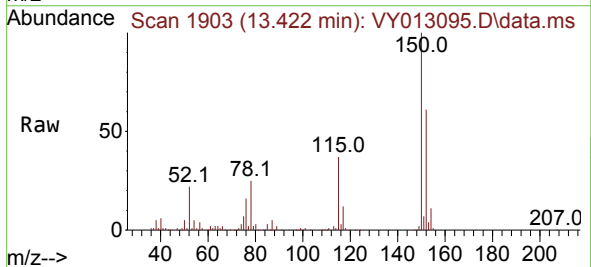
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB01

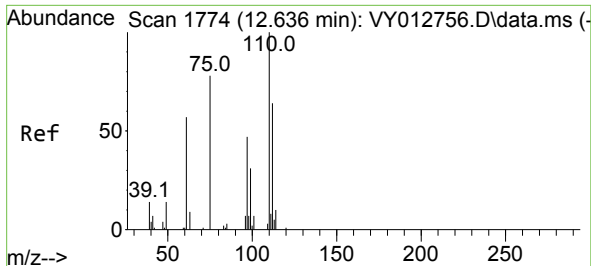
Tgt Ion:117 Resp: 117605
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.0
119 32.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

Tgt Ion:152 Resp: 49791
Ion Ratio Lower Upper
152 100
115 56.8 27.1 81.3
150 161.8 0.0 347.8

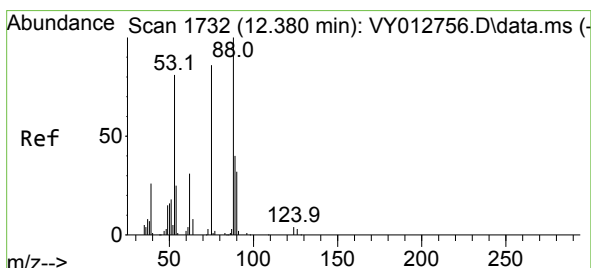
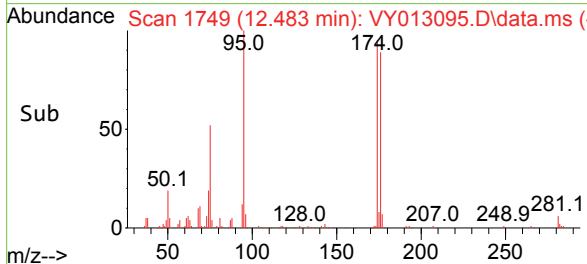
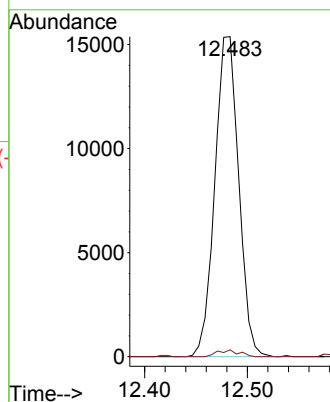
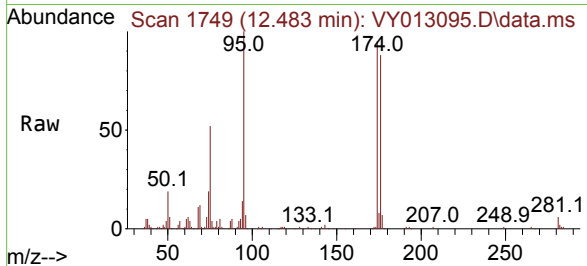




#76
1,2,3-Trichloropropane
Concen: 41.653 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

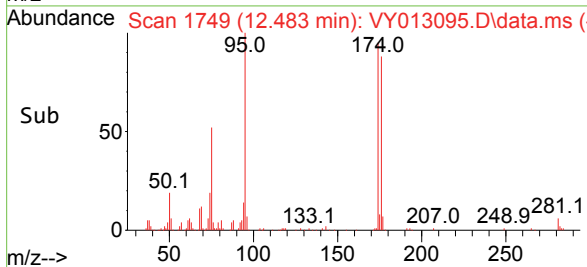
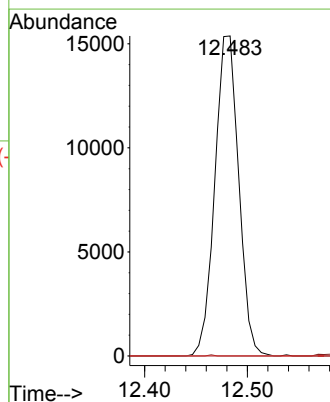
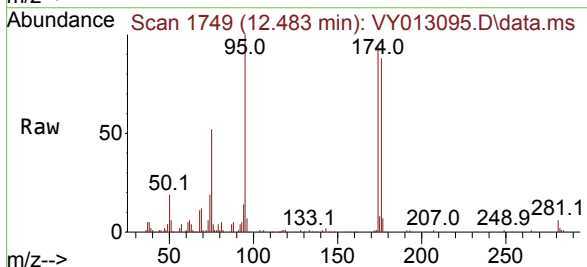
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB01

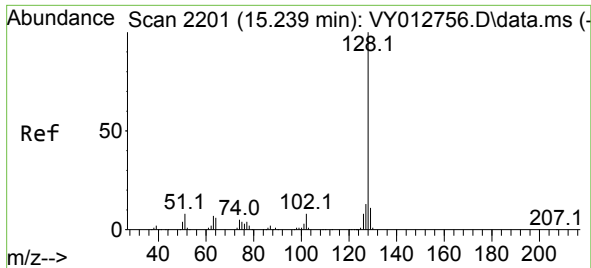
Tgt Ion: 75 Resp: 24766
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.306 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

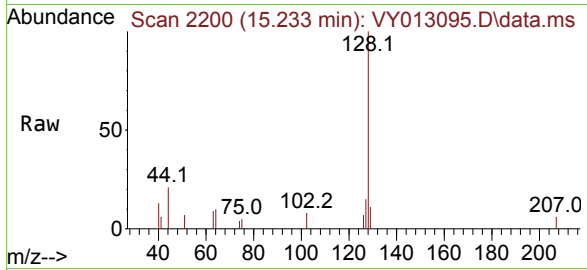
Tgt Ion: 75 Resp: 24766
Ion Ratio Lower Upper
75 100
53 0.1 73.4 110.0#
89 0.0 36.6 55.0#





#95
Naphthalene
Concen: 1.256 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY013095.D
Acq: 27 Mar 2023 16:31

Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB01



Tgt Ion:128 Resp: 2317
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 11.5 8.6 13.0

