

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032823\
 Data File : VY013115.D
 Acq On : 28 Mar 2023 14:37
 Operator : KP/MD
 Sample : 02109-02
 Misc : 6.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-30-SB02RE

Quant Time: Mar 29 02:29:11 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)

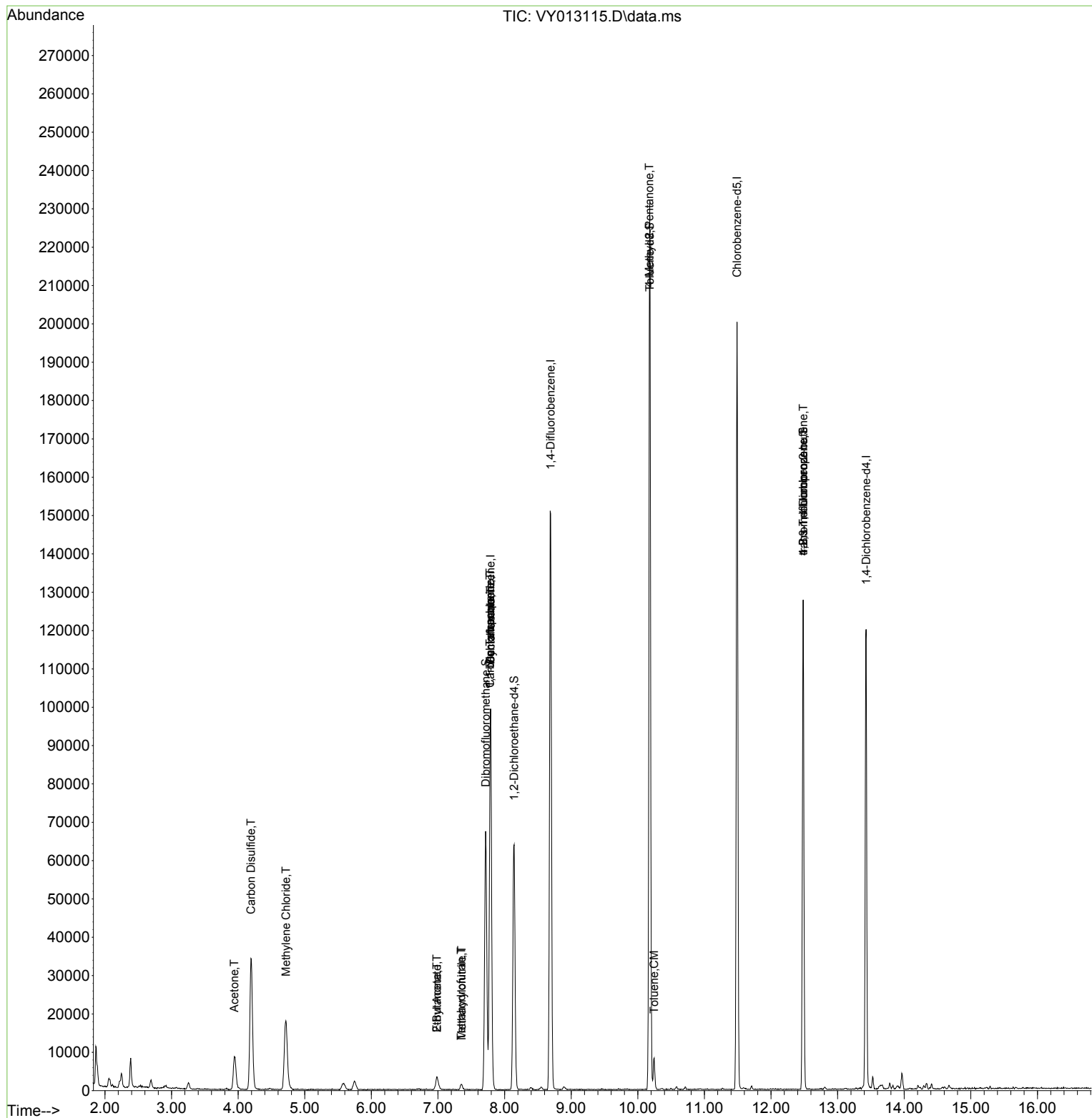
Internal Standards						
1) Pentafluorobenzene	7.789	168	76678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	125990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	104442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	31062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	50911	66.873	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.740%			
35) Dibromofluoromethane	7.715	113	45979	60.471	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.940%			
50) Toluene-d8	10.178	98	148191	53.312	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.620%			
62) 4-Bromofluorobenzene	12.483	95	34830	37.124	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 74.240%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.948	59	24	Below Cal	#	74
16) Acetone	3.942	43	16482	55.157	ug/l	100
17) Carbon Disulfide	4.192	76	71112	26.458	ug/l	99
20) Methylene Chloride	4.716	84	13449	10.505	ug/l	98
25) 2-Butanone	6.984	43	5288	14.287	ug/l	99
29) Tetrahydrofuran	7.350	42	1018	4.560	ug/l	93
31) Cyclohexane	7.789	56	1769	1.213	ug/l #	14
36) 1,1-Dichloropropene	7.782	75	5793	4.546	ug/l #	49
37) Ethyl Acetate	6.984	43	5288	6.585	ug/l #	69
38) Carbon Tetrachloride	7.782	117	7494	5.695	ug/l #	16
41) Methacrylonitrile	7.356	41	714	1.650	ug/l #	100
51) 4-Methyl-2-Pentanone	10.172	43	926	1.191	ug/l #	1
52) Toluene	10.245	92	3143	1.446	ug/l	100
76) 1,2,3-Trichloropropane	12.483	75	18838	50.786	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	18838	105.230	ug/l #	13

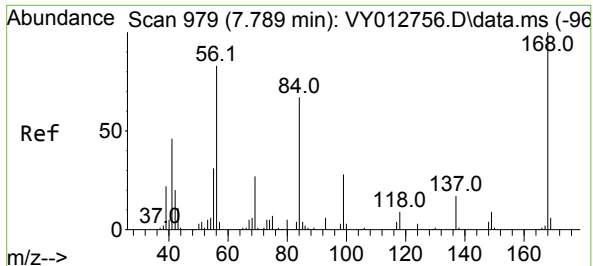
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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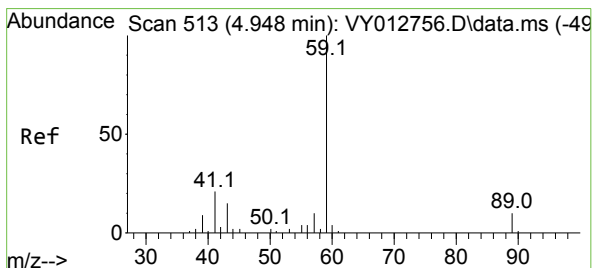
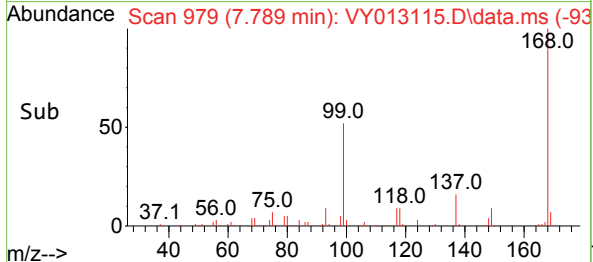
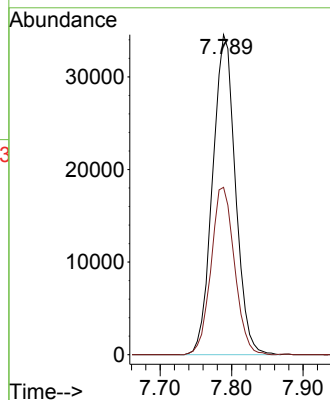
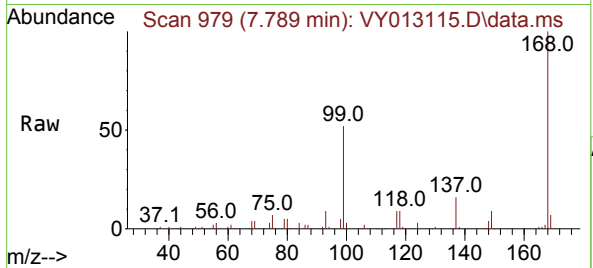




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

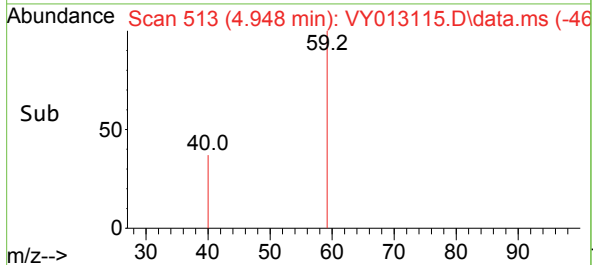
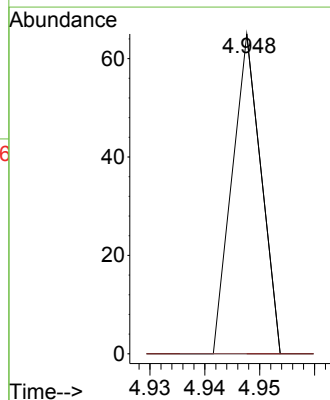
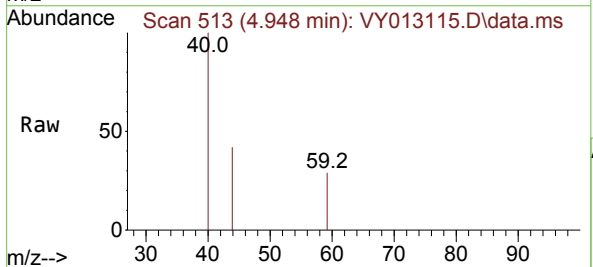
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02RE

Tgt Ion:168 Resp: 76678
Ion Ratio Lower Upper
168 100
99 52.3 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

Tgt Ion: 59 Resp: 24
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 55.157 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY013115.D

Acq: 28 Mar 2023 14:37

Instrument :

MSVOA_Y

ClientSampleId :

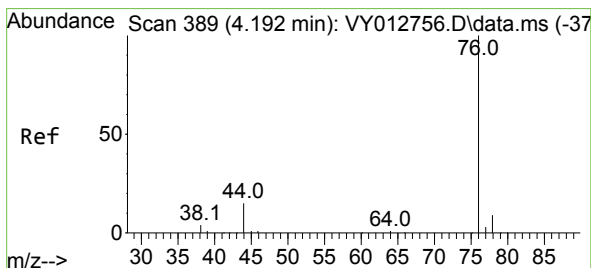
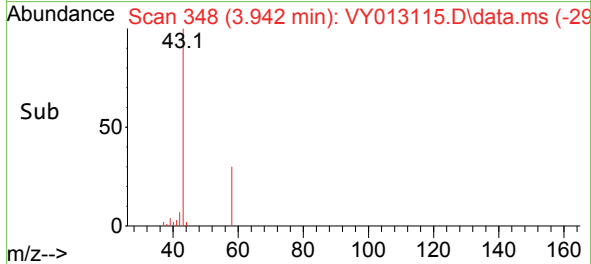
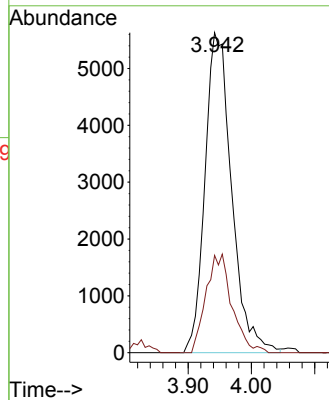
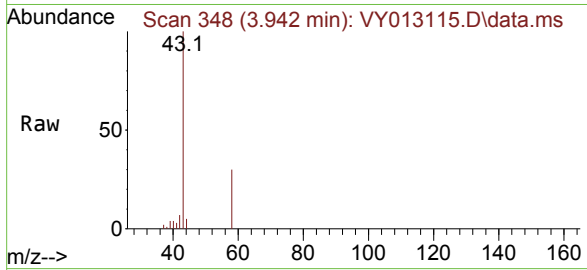
B-30-SB02RE

Tgt Ion: 43 Resp: 16482

Ion Ratio Lower Upper

43 100

58 30.4 24.2 36.2



#17

Carbon Disulfide

Concen: 26.458 ug/l

RT: 4.192 min Scan# 389

Delta R.T. -0.000 min

Lab File: VY013115.D

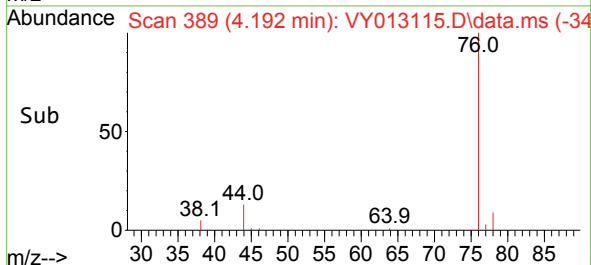
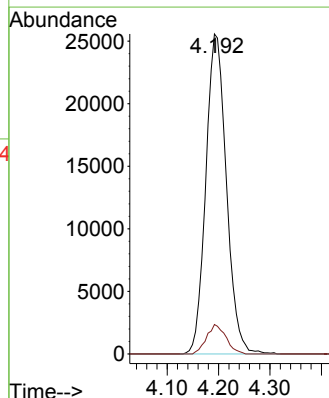
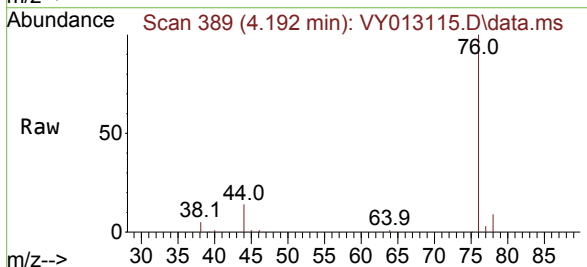
Acq: 28 Mar 2023 14:37

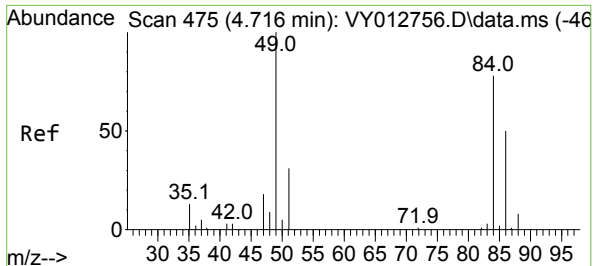
Tgt Ion: 76 Resp: 71112

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

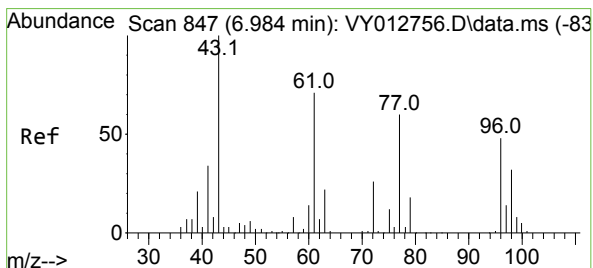
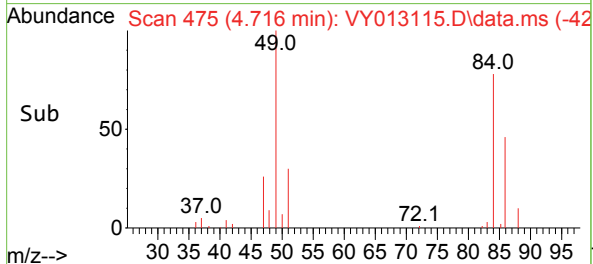
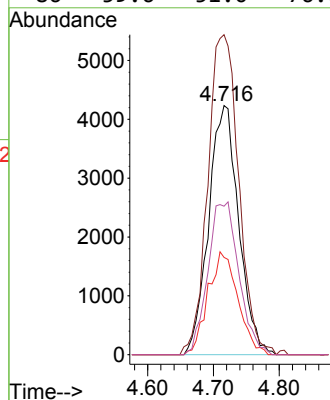
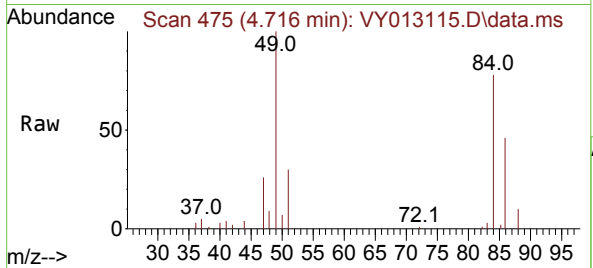




#20
Methylene Chloride
Concen: 10.505 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

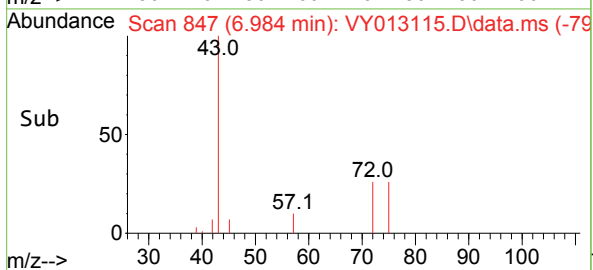
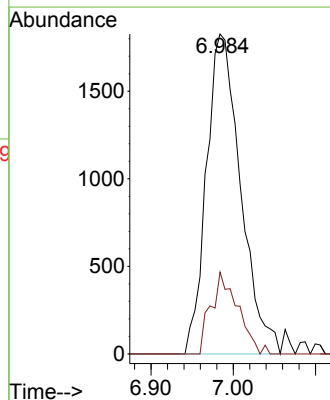
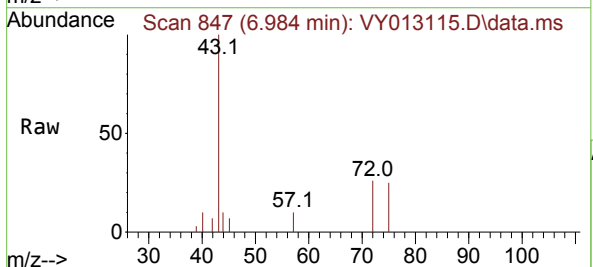
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02RE

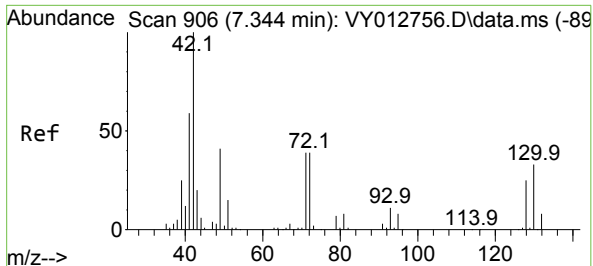
Tgt Ion: 84	Resp: 13449		
Ion	Ratio	Lower	Upper
84	100		
49	128.4	102.6	154.0
51	39.0	31.9	47.9
86	59.6	51.0	76.6



#25
2-Butanone
Concen: 14.287 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

Tgt Ion: 43	Resp: 5288		
Ion Ratio	Lower	Upper	
43 100			
72 25.6	21.0	31.4	





#29

Tetrahydrofuran

Concen: 4.560 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY013115.D

Acq: 28 Mar 2023 14:37

Instrument :

MSVOA_Y

ClientSampleId :

B-30-SB02RE

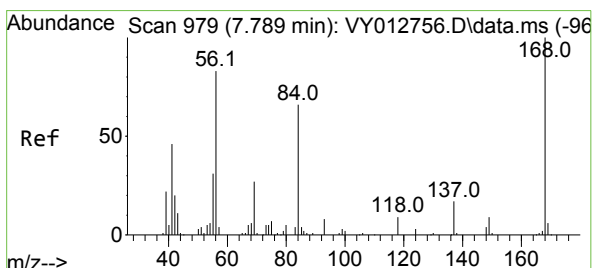
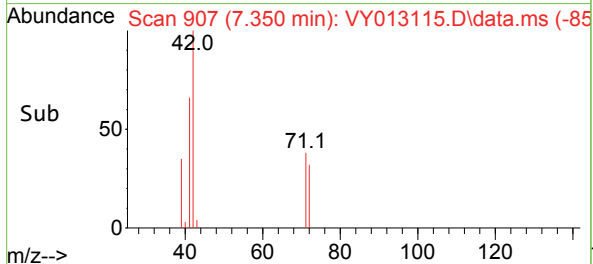
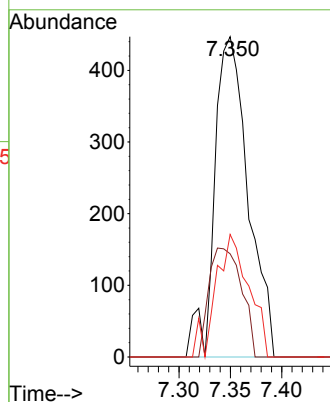
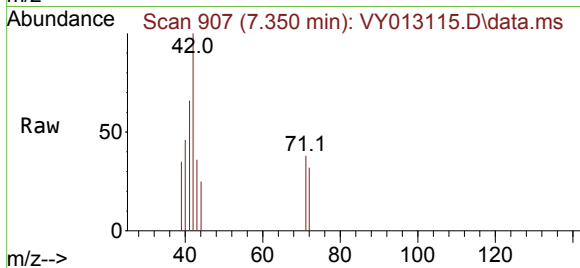
Tgt Ion: 42 Resp: 1018

Ion Ratio Lower Upper

42 100

72 33.0 32.3 48.5

71 37.3 30.3 45.5



#31

Cyclohexane

Concen: 1.213 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY013115.D

Acq: 28 Mar 2023 14:37

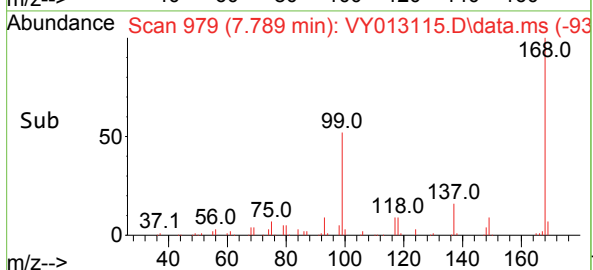
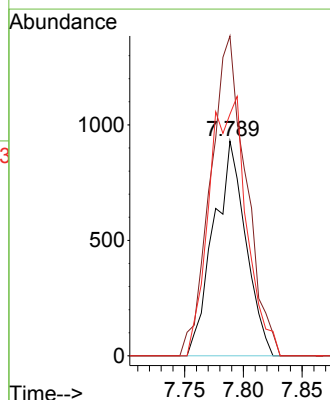
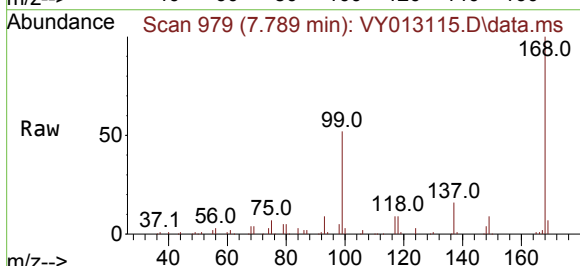
Tgt Ion: 56 Resp: 1769

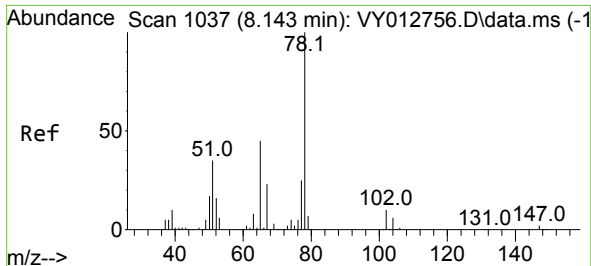
Ion Ratio Lower Upper

56 100

69 148.9 25.7 38.5#

84 112.5 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 66.873 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY013115.D

Acq: 28 Mar 2023 14:37

Instrument :

MSVOA_Y

ClientSampleId :

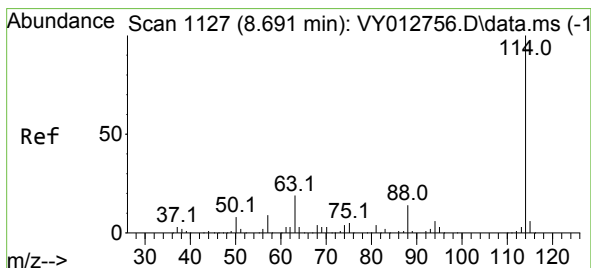
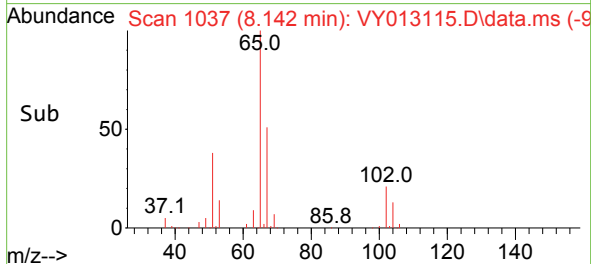
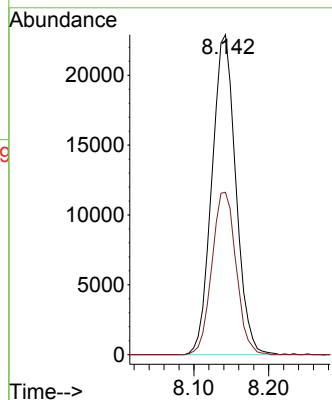
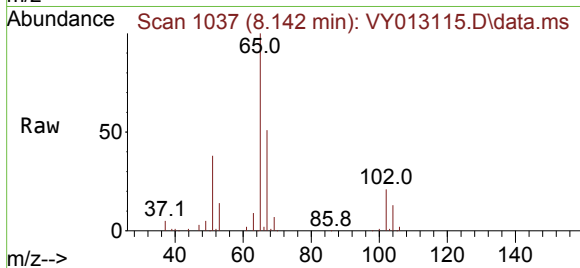
B-30-SB02RE

Tgt Ion: 65 Resp: 50911

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY013115.D

Acq: 28 Mar 2023 14:37

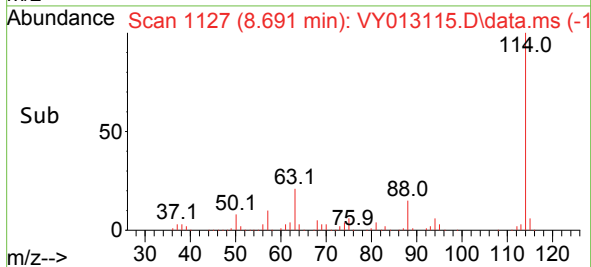
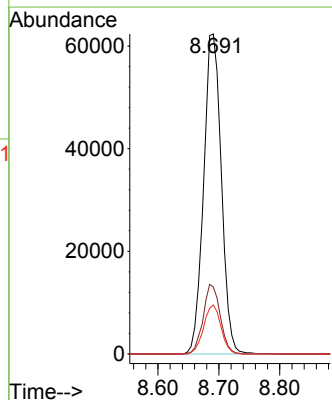
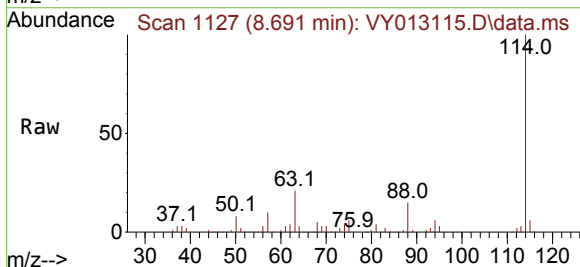
Tgt Ion: 114 Resp: 125990

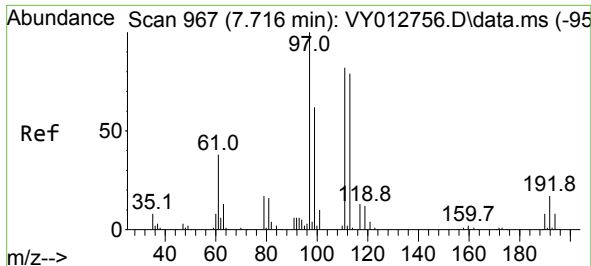
Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

88 15.3 0.0 28.6

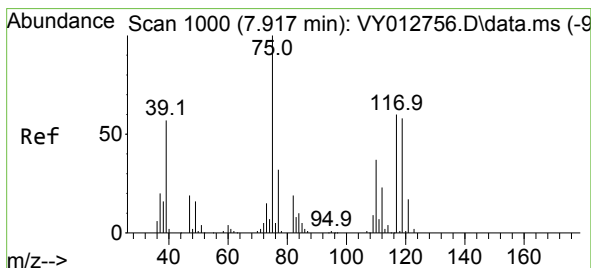
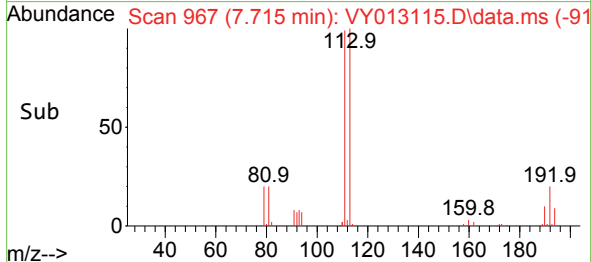
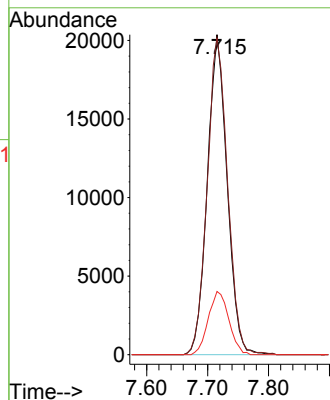
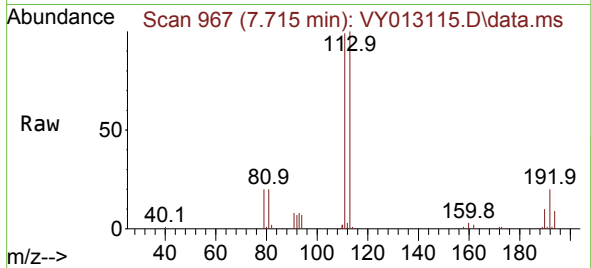




#35
Dibromofluoromethane
Concen: 60.471 ug/l
RT: 7.715 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

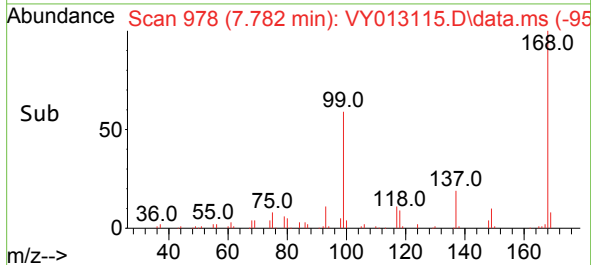
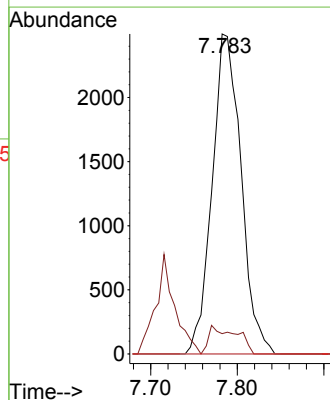
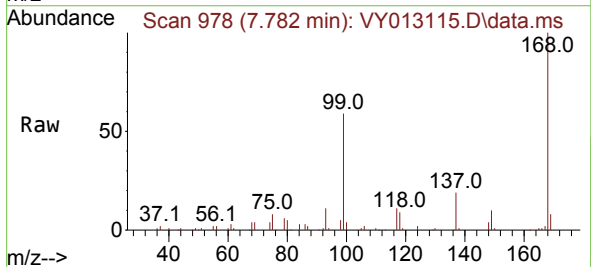
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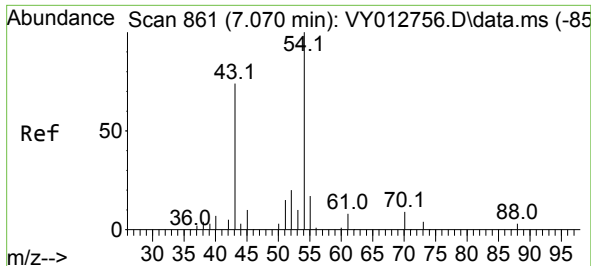
Tgt Ion:113 Resp: 45979
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 20.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.546 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.135 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

Tgt Ion: 75 Resp: 5793
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.3#
77 0.0 25.0 37.4#

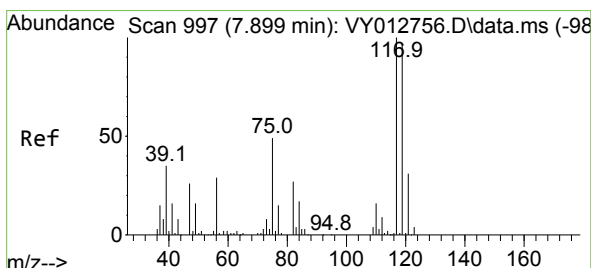
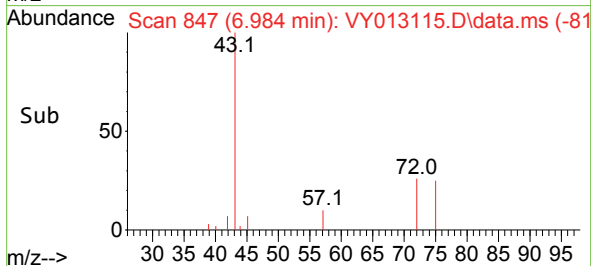
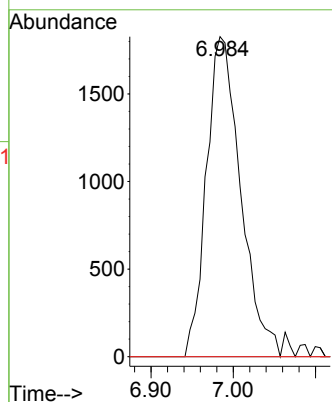
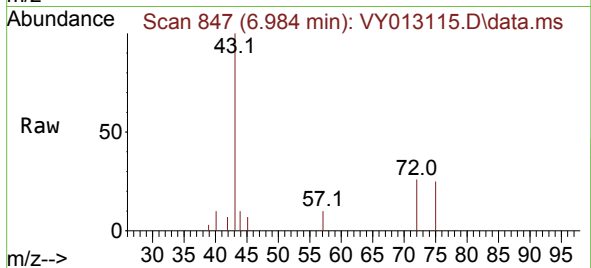




#37
Ethyl Acetate
Concen: 6.585 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.086 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

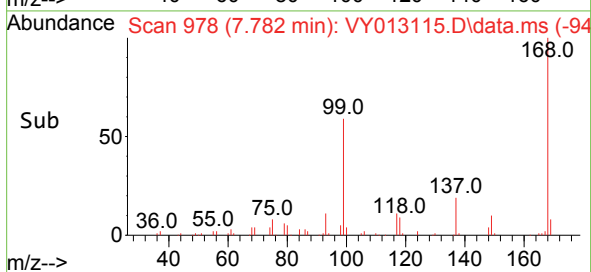
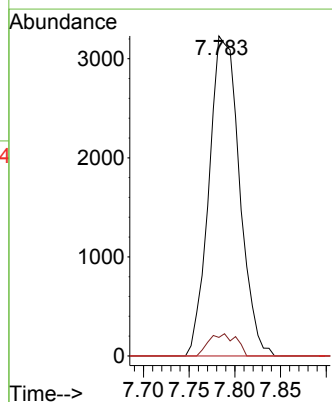
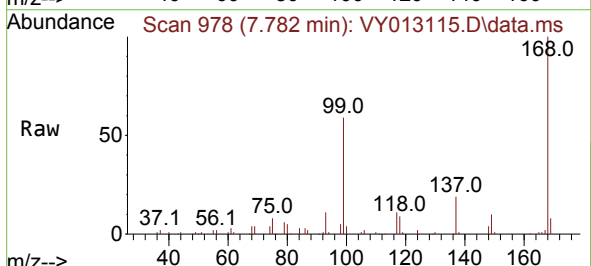
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02RE

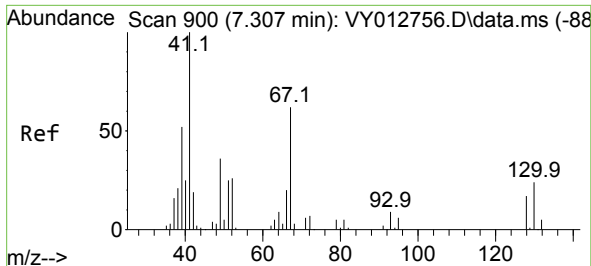
Tgt Ion: 43 Resp: 5288
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.695 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

Tgt Ion: 117 Resp: 7494
Ion Ratio Lower Upper
117 100
119 5.8 77.2 115.8#
121 0.0 24.7 37.1#

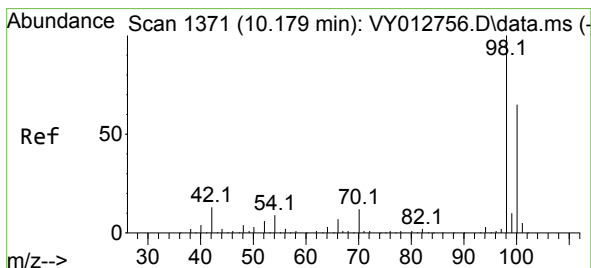
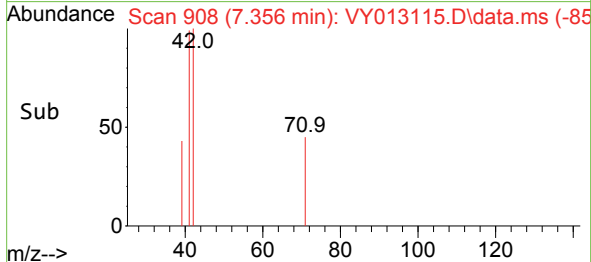
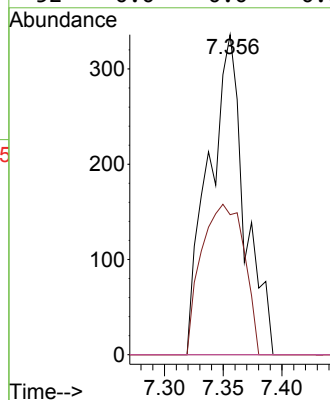
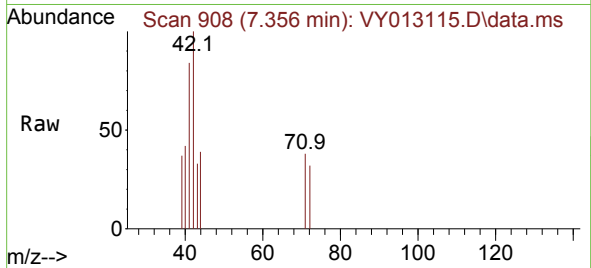




#41
Methacrylonitrile
Concen: 1.650 ug/l
RT: 7.356 min Scan# 900
Delta R.T. 0.048 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

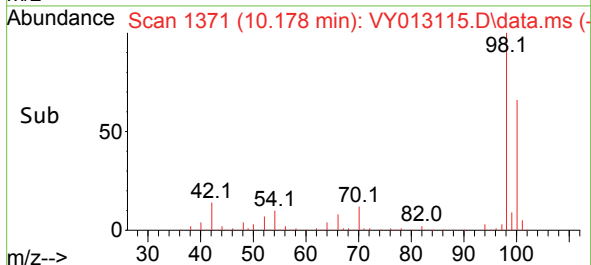
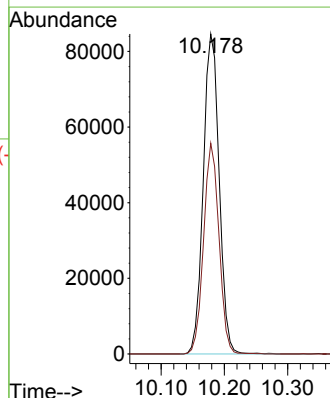
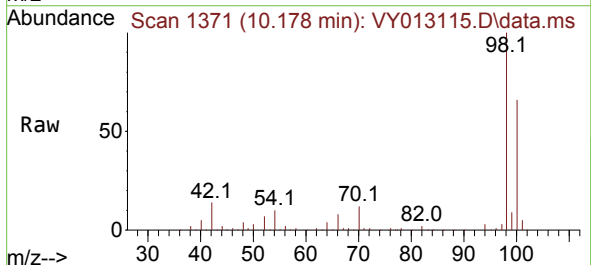
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02RE

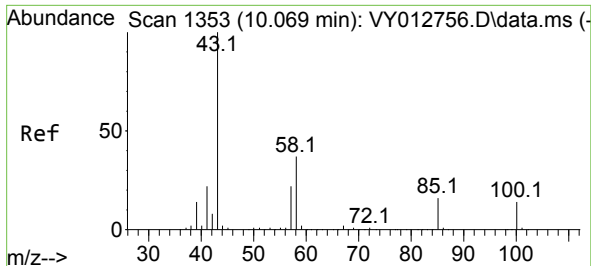
Tgt Ion: 41 Resp: 714
Ion Ratio Lower Upper
41 100
39 55.9 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 53.312 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

Tgt Ion: 98 Resp: 148191
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3

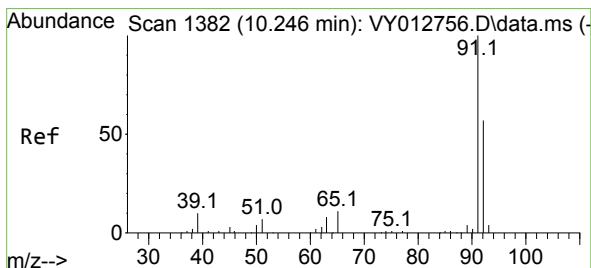
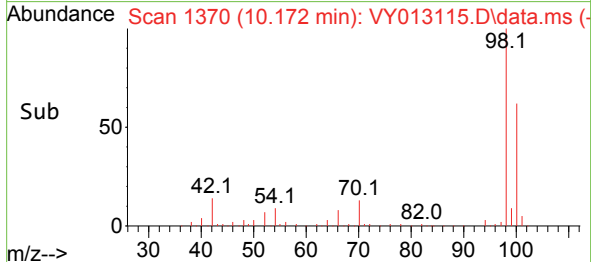
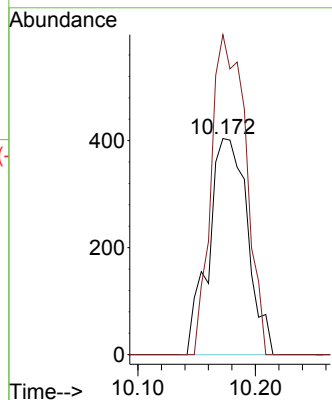
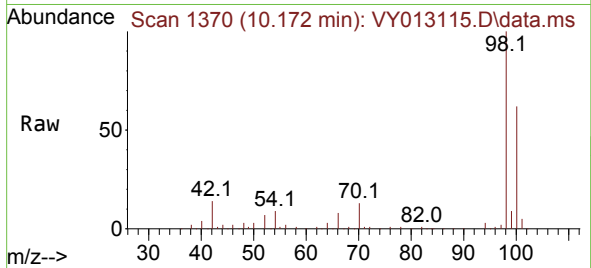




#51
4-Methyl-2-Pentanone
Concen: 1.191 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. 0.103 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

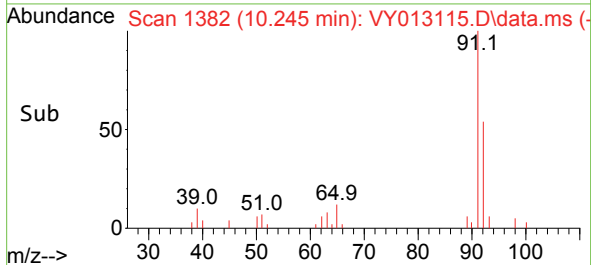
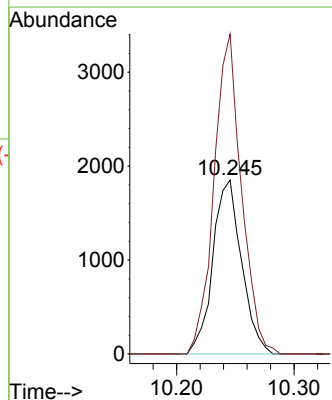
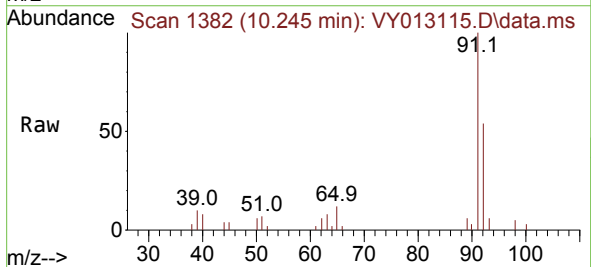
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02RE

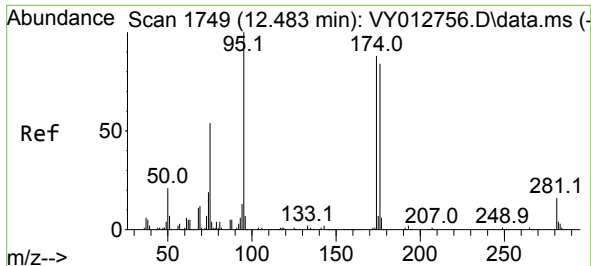
Tgt Ion: 43 Resp: 926
Ion Ratio Lower Upper
43 100
58 131.9 29.8 44.6#



#52
Toluene
Concen: 1.446 ug/l
RT: 10.245 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

Tgt Ion: 92 Resp: 3143
Ion Ratio Lower Upper
92 100
91 176.1 141.3 211.9

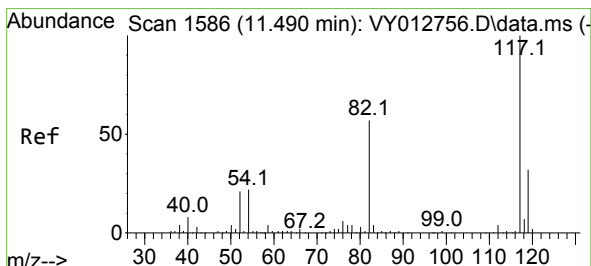
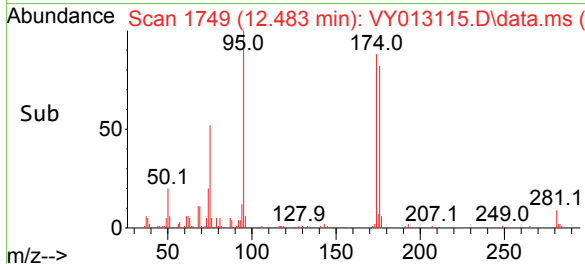
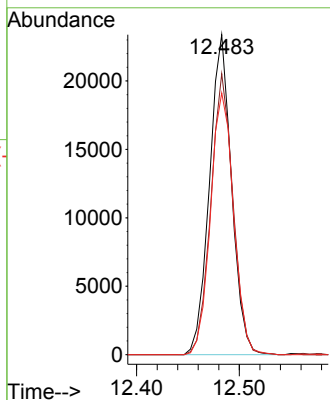
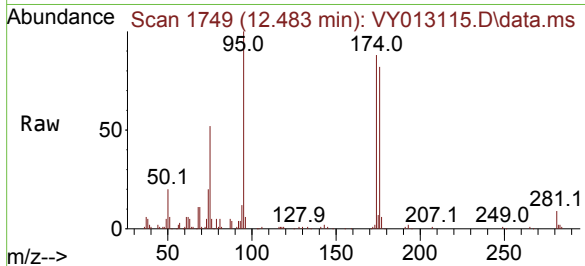




#62
4-Bromofluorobenzene
Concen: 37.124 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

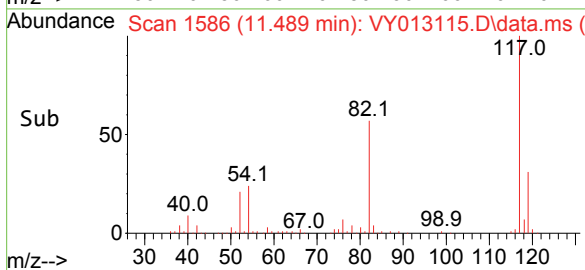
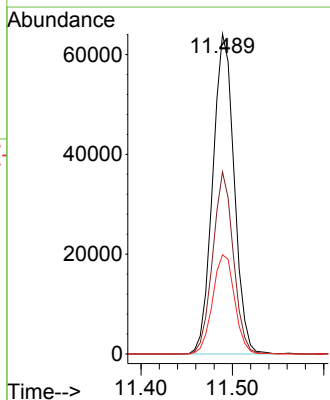
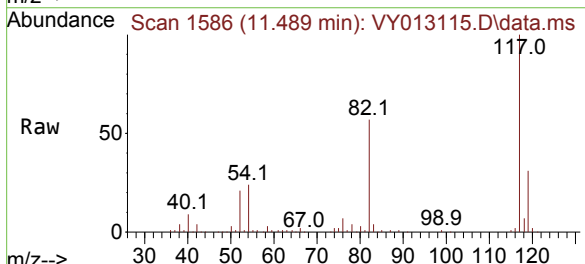
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02RE

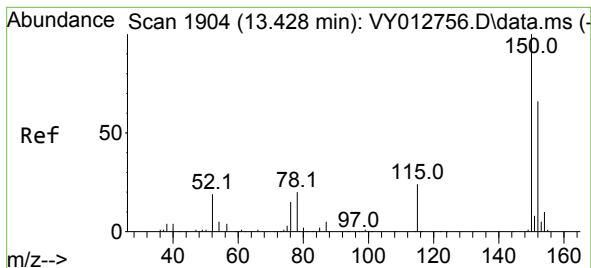
Tgt Ion: 95 Resp: 34830
Ion Ratio Lower Upper
95 100
174 88.3 0.0 176.6
176 85.5 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

Tgt Ion: 117 Resp: 104442
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.0
119 31.0 25.6 38.4

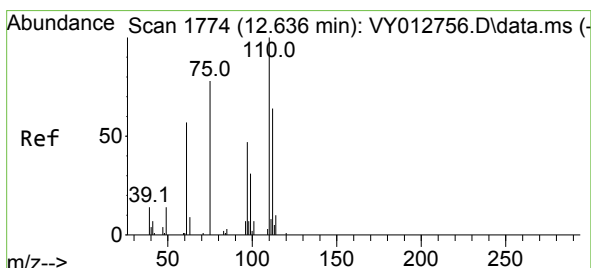
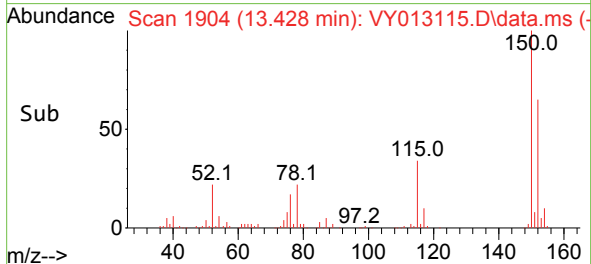
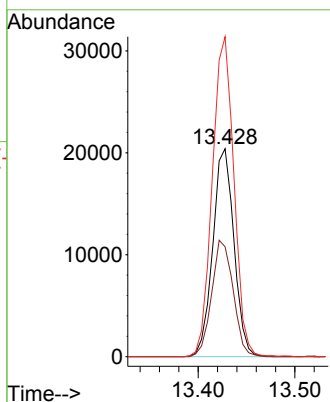
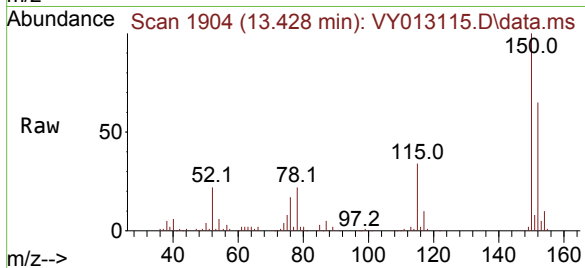




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY013115.D
 Acq: 28 Mar 2023 14:37

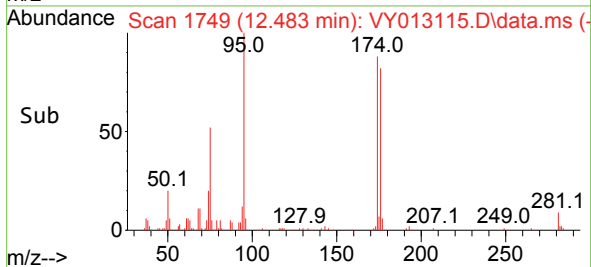
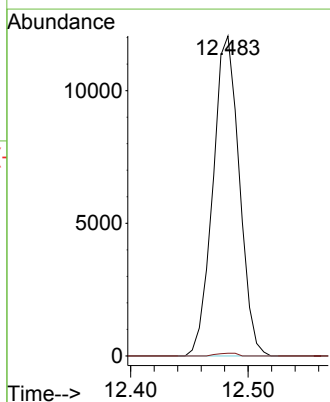
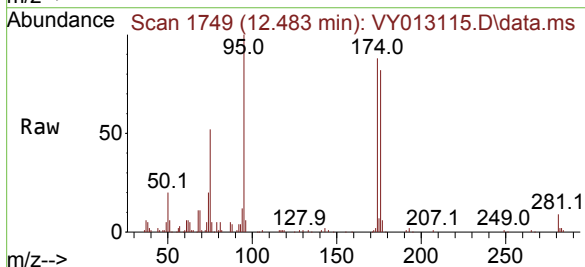
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-30-SB02RE

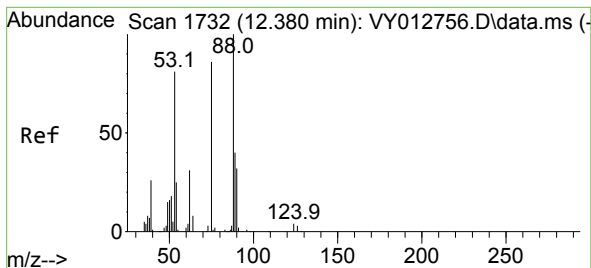
Tgt Ion:152 Resp: 31062
 Ion Ratio Lower Upper
 152 100
 115 56.7 27.1 81.3
 150 156.6 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 50.786 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY013115.D
 Acq: 28 Mar 2023 14:37

Tgt Ion: 75 Resp: 18838
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.230 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY013115.D
 Acq: 28 Mar 2023 14:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-30-SB02RE

Tgt Ion: 75 Resp: 18838
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

