

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032723\
 Data File : VY013104.D
 Acq On : 27 Mar 2023 20:01
 Operator : KP/MD
 Sample : 02109-02
 Misc : 6.71g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-30-SB02

Quant Time: Mar 28 01:49:07 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)

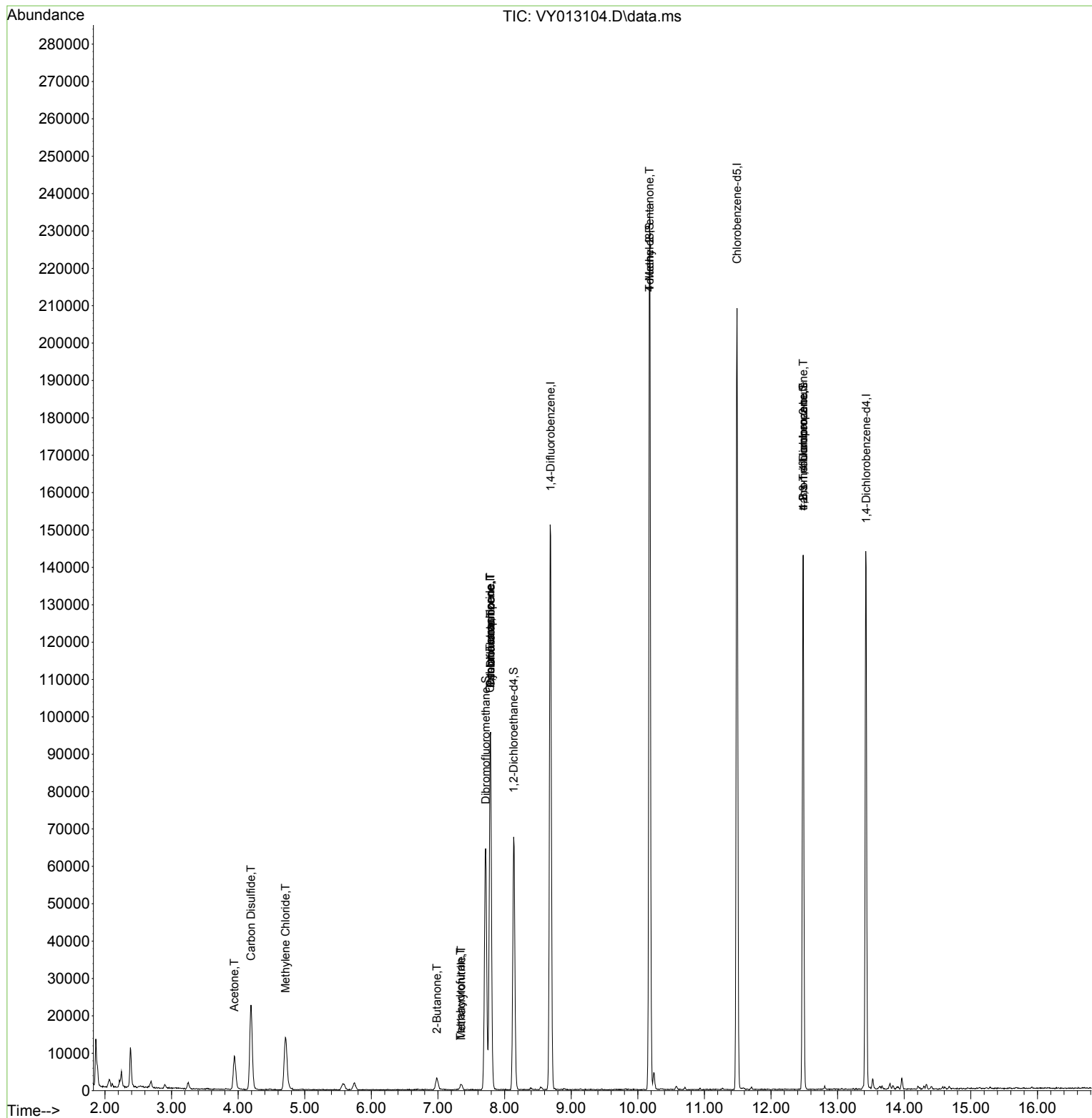
Internal Standards						
1) Pentafluorobenzene	7.789	168	75242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	126733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	111940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	37301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51379	68.775	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.560%			
35) Dibromofluoromethane	7.716	113	45437	59.408	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.820%			
50) Toluene-d8	10.179	98	151965	54.349	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.700%			
62) 4-Bromofluorobenzene	12.483	95	39918	42.298	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.600%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	157	Below Cal	#	74
16) Acetone	3.942	43	15878	54.150	ug/l	95
17) Carbon Disulfide	4.192	76	45790	17.362	ug/l	98
20) Methylene Chloride	4.710	84	10345	6.934	ug/l	97
25) 2-Butanone	6.984	43	4461	12.283	ug/l	95
29) Tetrahydrofuran	7.338	42	1134	5.177	ug/l	96
31) Cyclohexane	7.789	56	1724	1.205	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	5842	4.558	ug/l #	49
38) Carbon Tetrachloride	7.783	117	7249	5.477	ug/l #	16
41) Methacrylonitrile	7.350	41	714	1.640	ug/l #	100
51) 4-Methyl-2-Pentanone	10.179	43	786	1.005	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	20607	46.263	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	20607	95.858	ug/l #	13

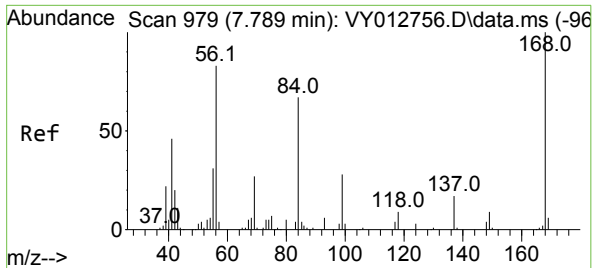
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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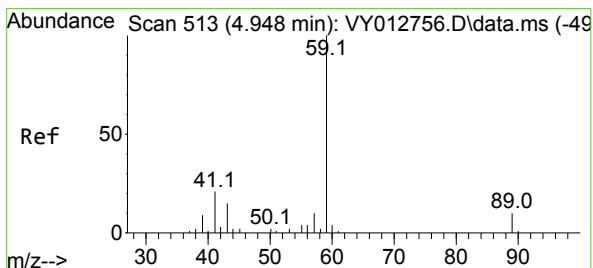
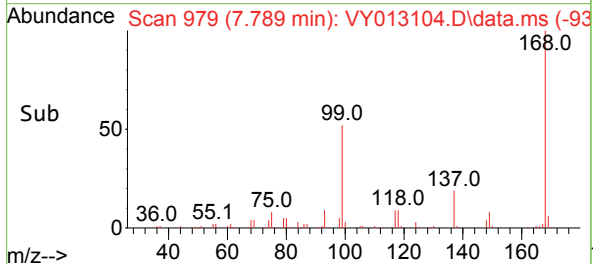
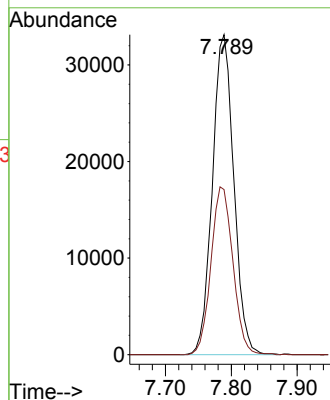
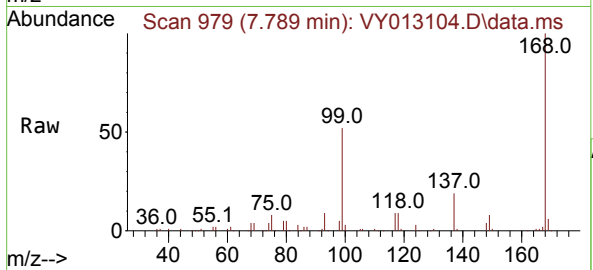




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

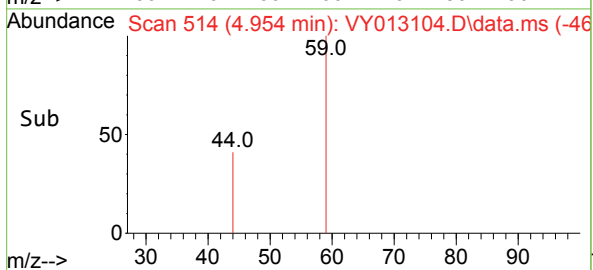
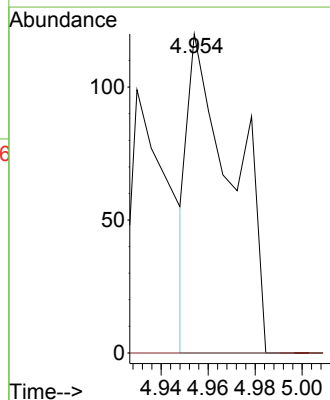
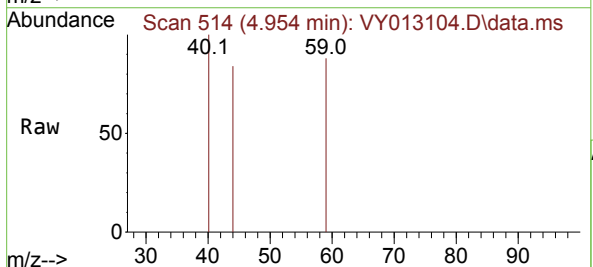
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02

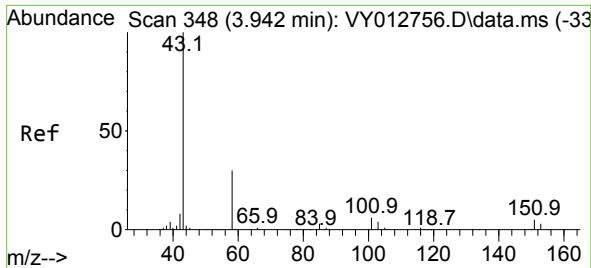
Tgt Ion:168 Resp: 75242
Ion Ratio Lower Upper
168 100
99 51.6 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

Tgt Ion: 59 Resp: 157
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

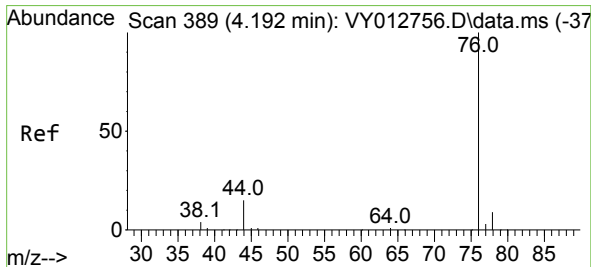
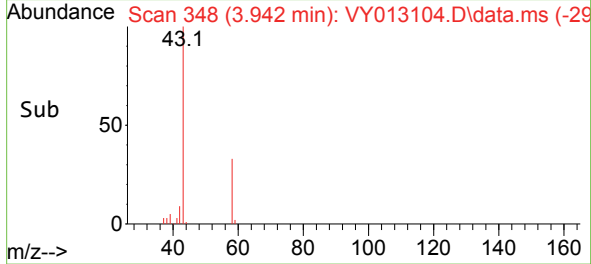
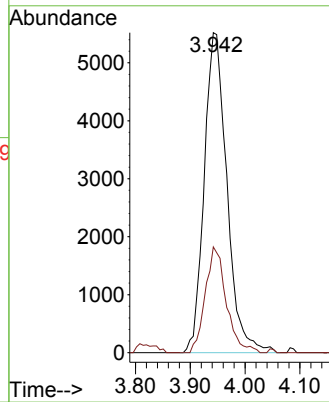
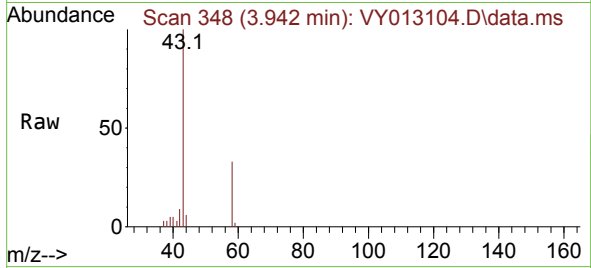




#16
Acetone
Concen: 54.150 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

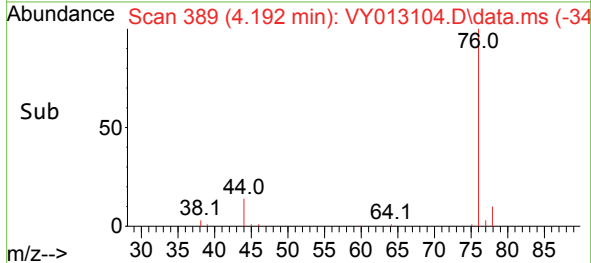
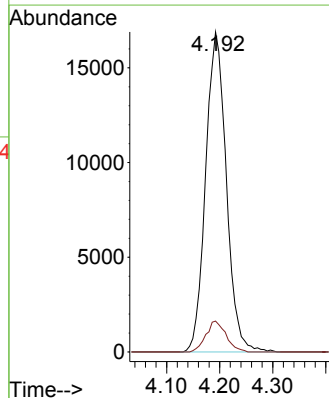
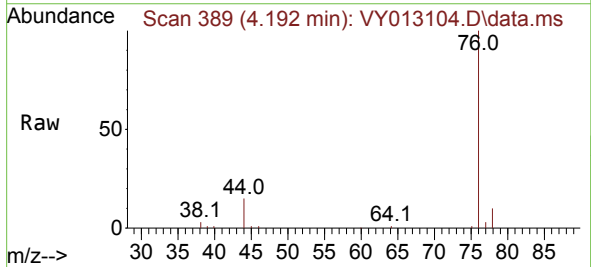
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02

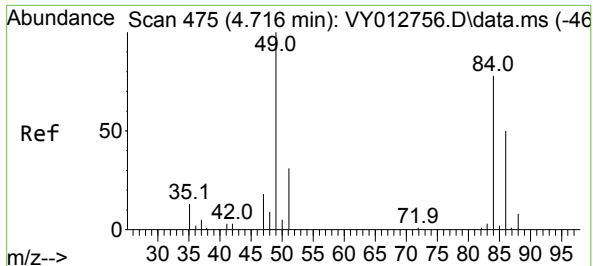
Tgt Ion: 43 Resp: 15878
Ion Ratio Lower Upper
43 100
58 33.0 24.2 36.2



#17
Carbon Disulfide
Concen: 17.362 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

Tgt Ion: 76 Resp: 45790
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7

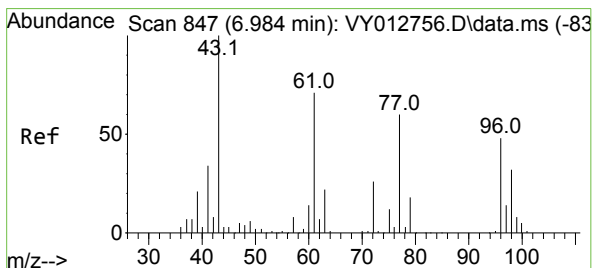
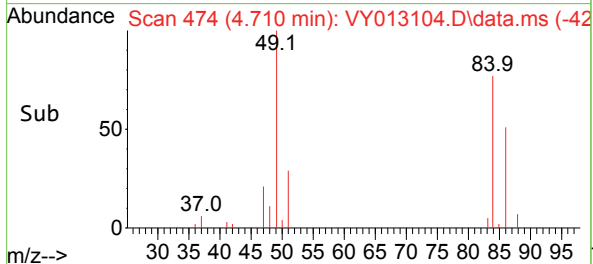
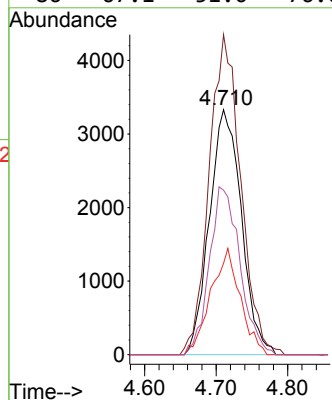
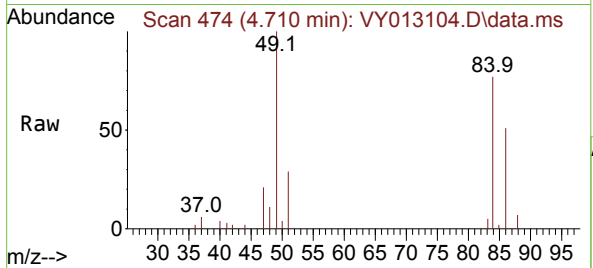




#20
Methylene Chloride
Concen: 6.934 ug/l
RT: 4.710 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

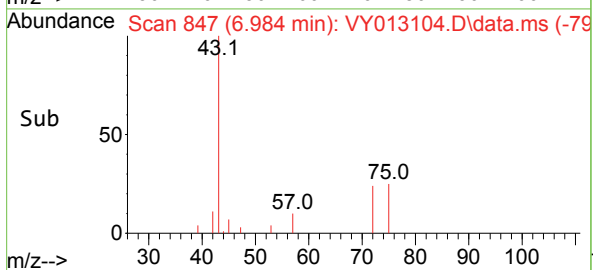
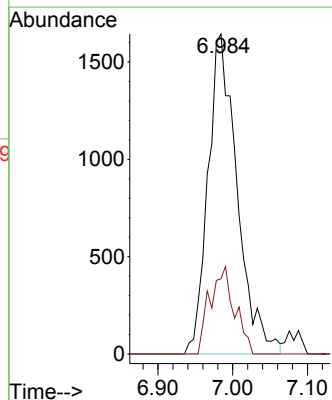
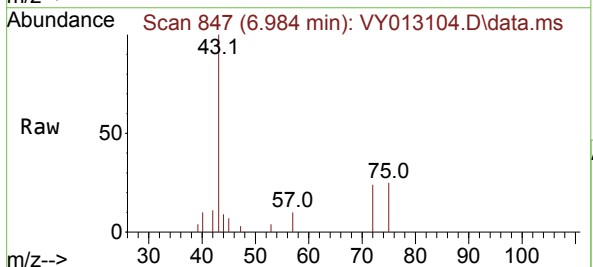
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02

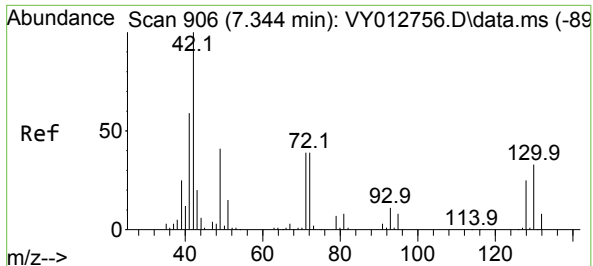
Tgt Ion:	84	Resp:	10345
Ion	Ratio	Lower	Upper
84	100		
49	130.6	102.6	154.0
51	37.3	31.9	47.9
86	67.1	51.0	76.6



#25
2-Butanone
Concen: 12.283 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

Tgt Ion:	43	Resp:	4461
Ion	Ratio	Lower	Upper
43	100		
72	23.5	21.0	31.4





#29

Tetrahydrofuran

Concen: 5.177 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY013104.D

Acq: 27 Mar 2023 20:01

Instrument :

MSVOA_Y

ClientSampleId :

B-30-SB02

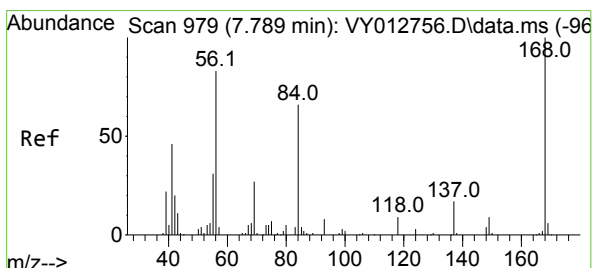
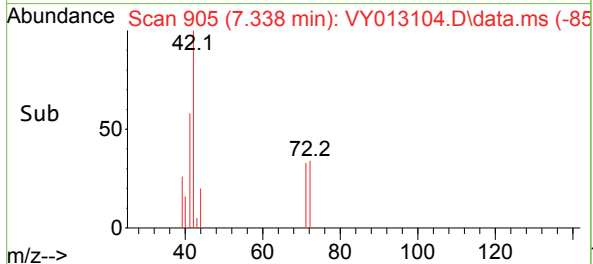
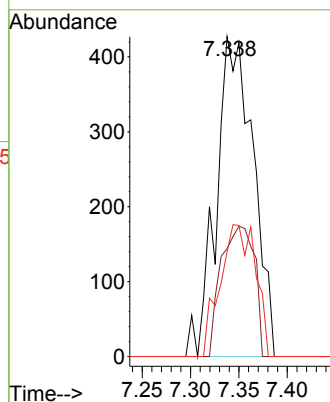
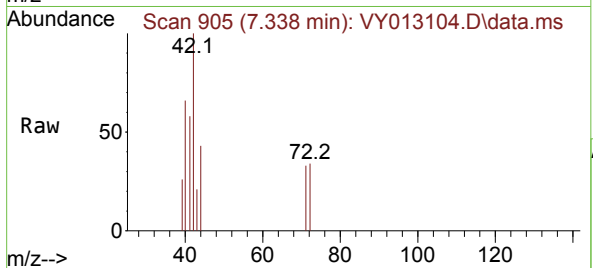
Tgt Ion: 42 Resp: 1134

Ion Ratio Lower Upper

42 100

72 36.8 32.3 48.5

71 39.7 30.3 45.5



#31

Cyclohexane

Concen: 1.205 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY013104.D

Acq: 27 Mar 2023 20:01

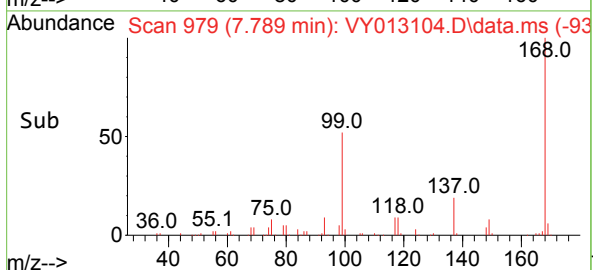
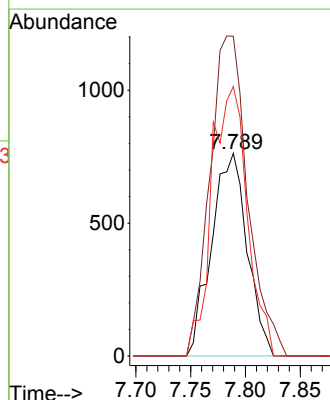
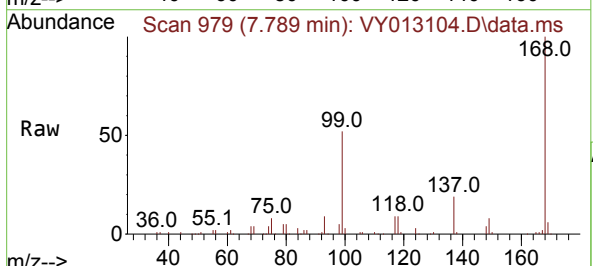
Tgt Ion: 56 Resp: 1724

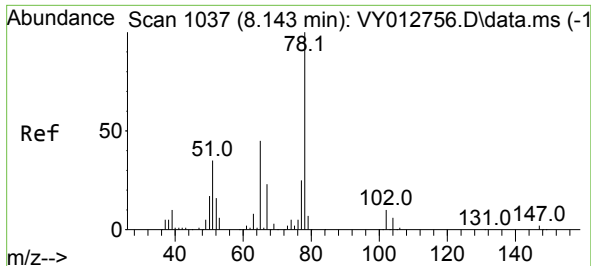
Ion Ratio Lower Upper

56 100

69 157.9 25.7 38.5#

84 133.1 64.3 96.5#

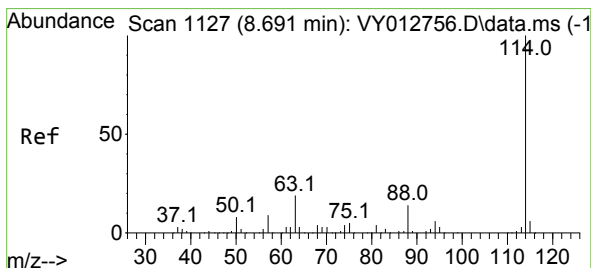
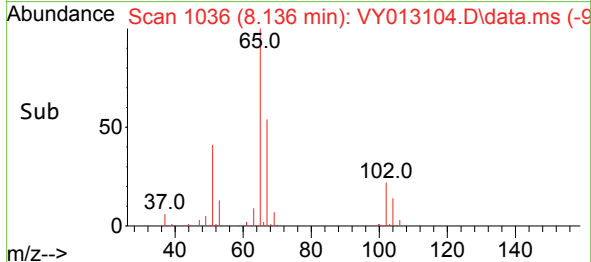
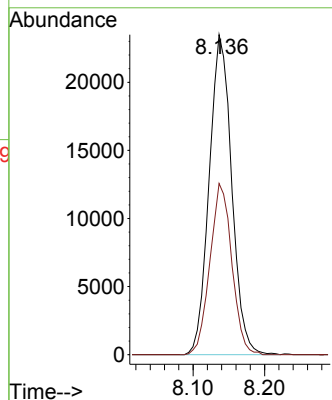
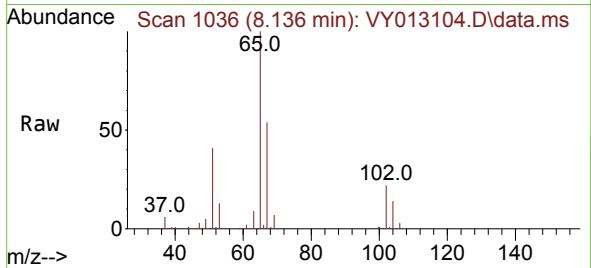




#33
 1,2-Dichloroethane-d4
 Concen: 68.775 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.007 min
 Lab File: VY013104.D
 Acq: 27 Mar 2023 20:01

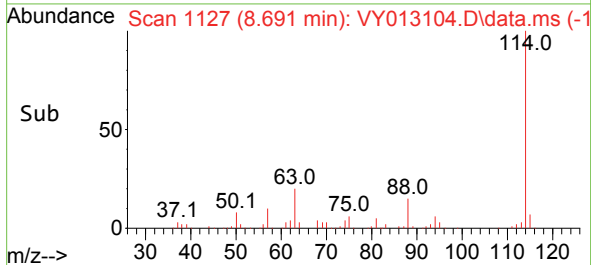
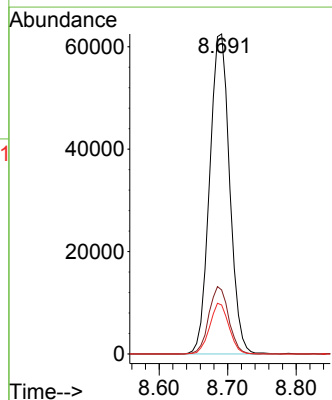
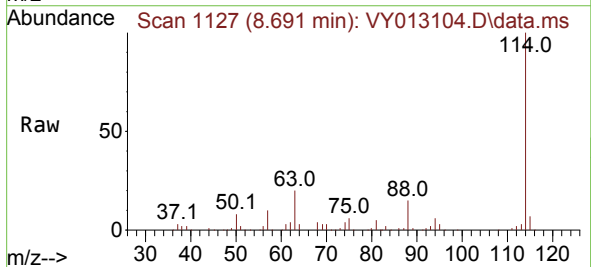
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 B-30-SB02

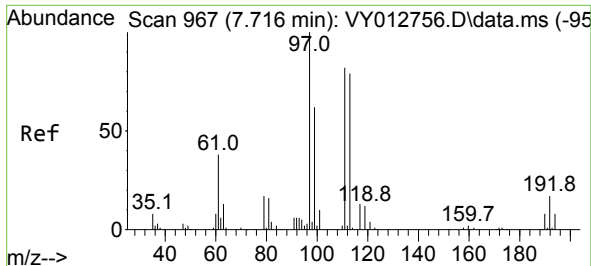
Tgt Ion: 65 Resp: 51379
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY013104.D
 Acq: 27 Mar 2023 20:01

Tgt Ion: 114 Resp: 126733
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 37.4
 88 15.3 0.0 28.6

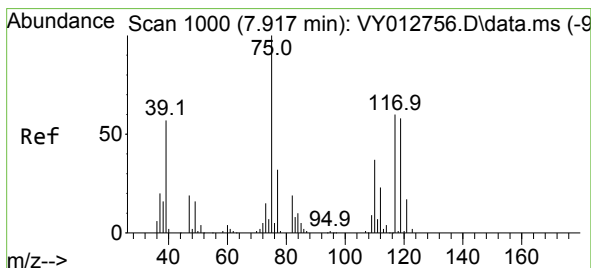
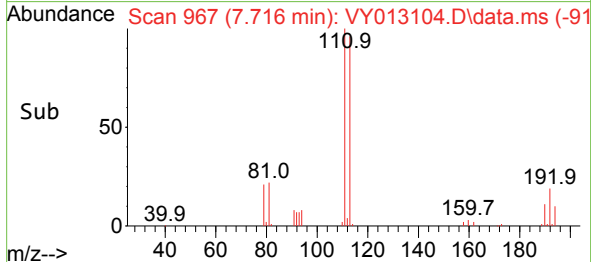
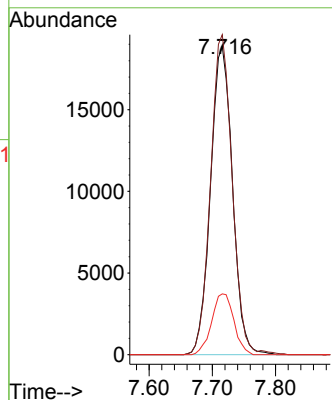
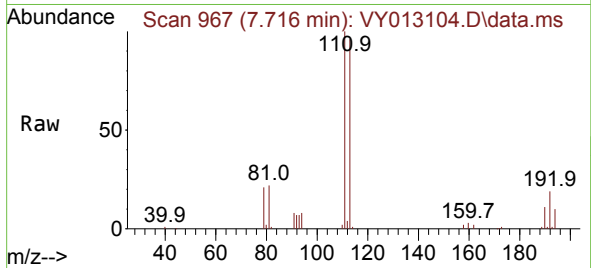




#35
Dibromofluoromethane
Concen: 59.408 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

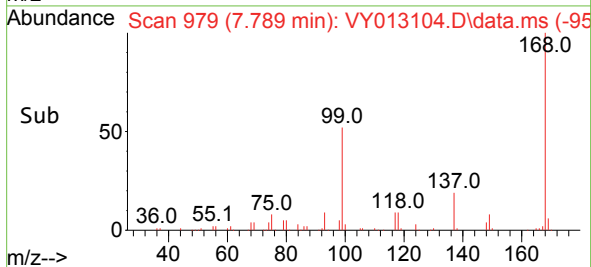
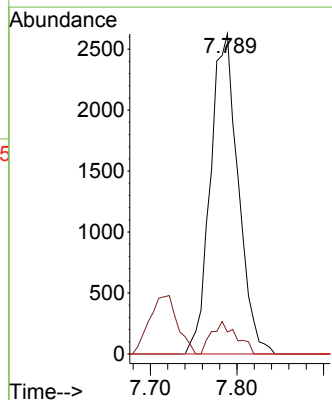
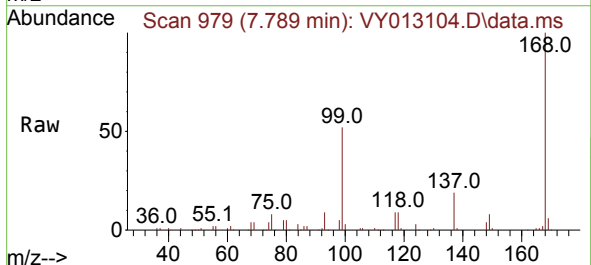
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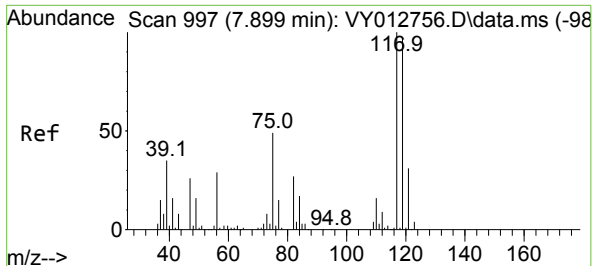
Tgt Ion:113 Resp: 45437
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 19.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.558 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

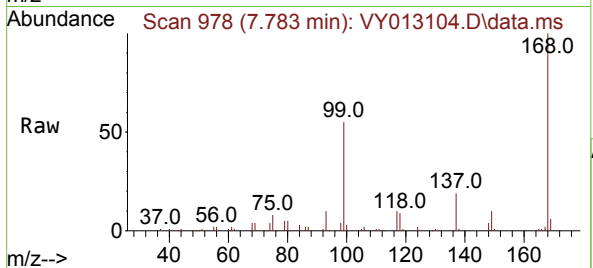
Tgt Ion: 75 Resp: 5842
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.3#
77 0.0 25.0 37.4#



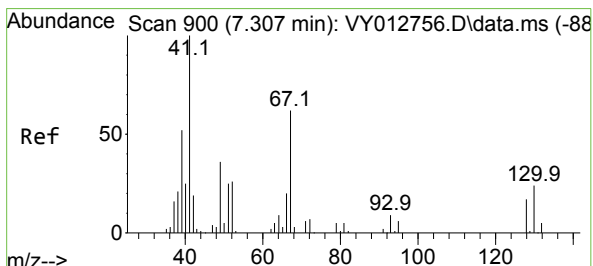
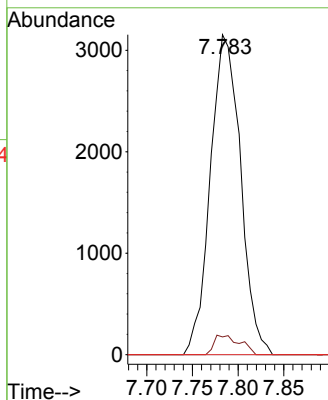
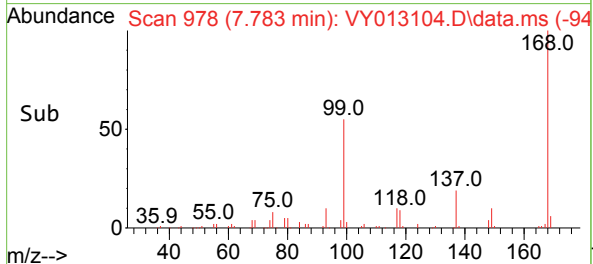


#38
Carbon Tetrachloride
Concen: 5.477 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02

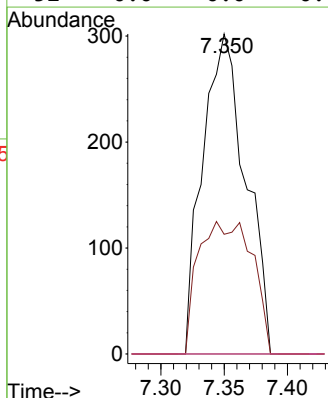
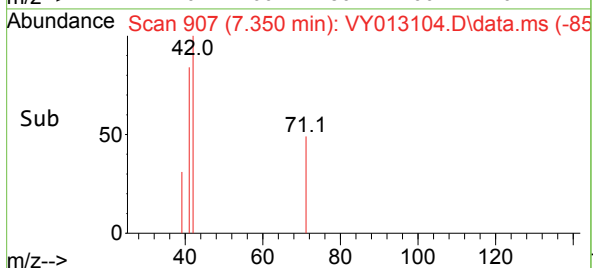
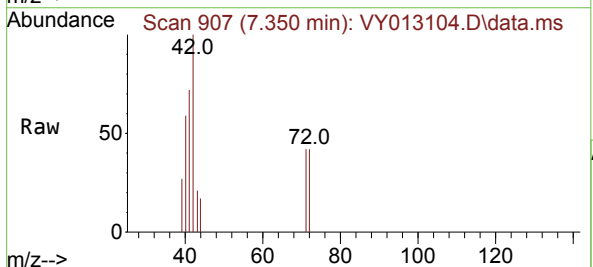


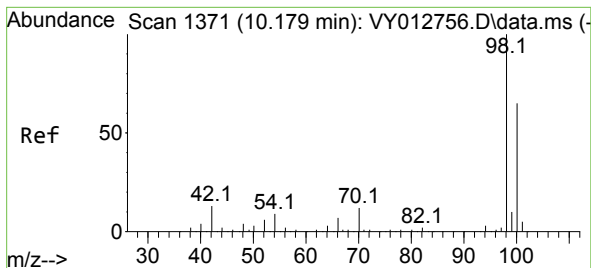
Tgt Ion:117 Resp: 7249
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 1.640 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

Tgt Ion: 41 Resp: 714
Ion Ratio Lower Upper
41 100
39 51.8 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

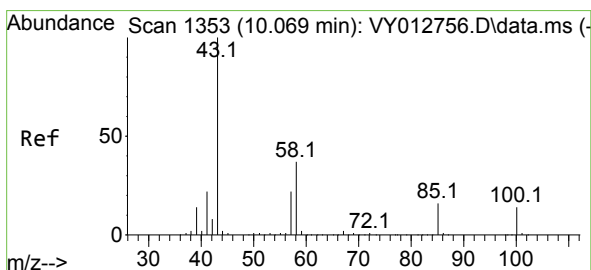
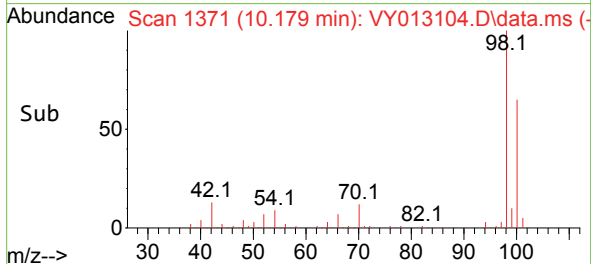
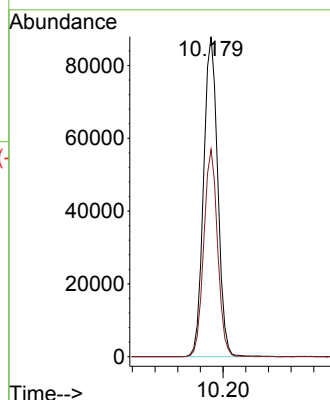
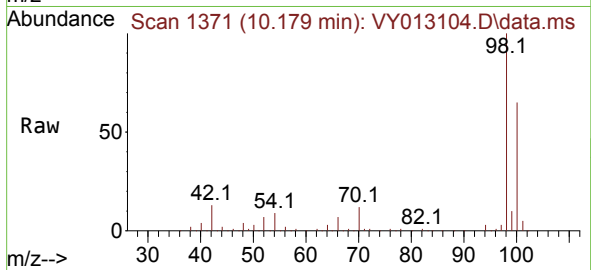




#50
Toluene-d8
Concen: 54.349 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

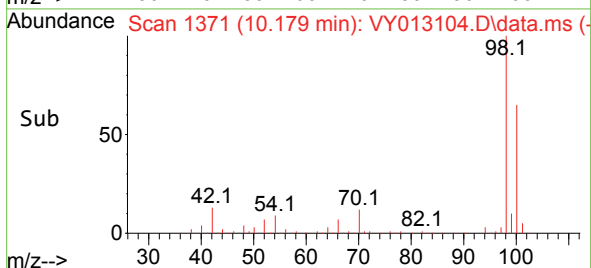
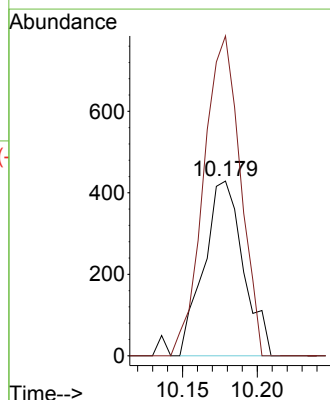
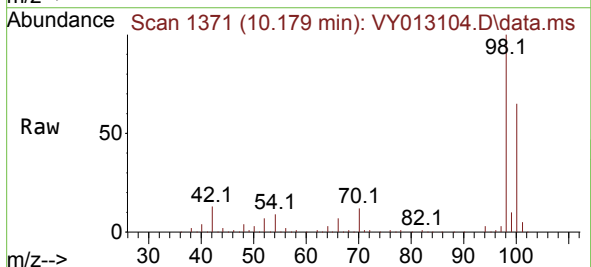
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02

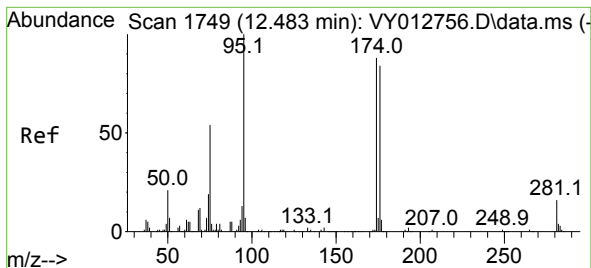
Tgt Ion: 98 Resp: 151965
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.005 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

Tgt Ion: 43 Resp: 786
Ion Ratio Lower Upper
43 100
58 170.4 29.8 44.6#

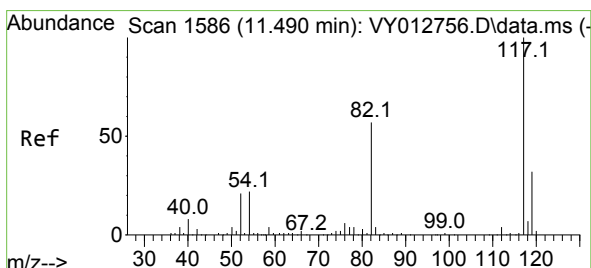
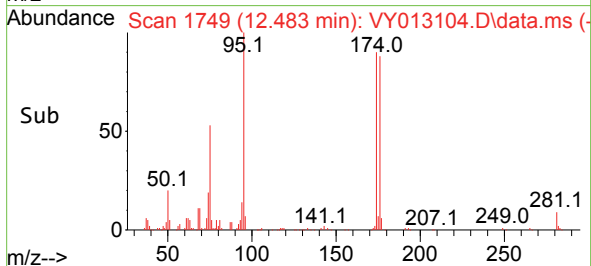
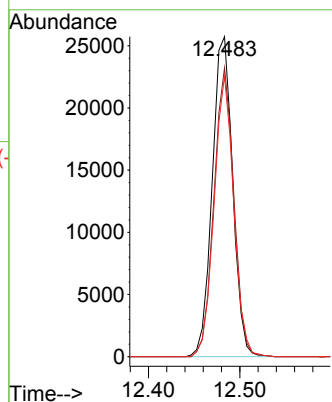
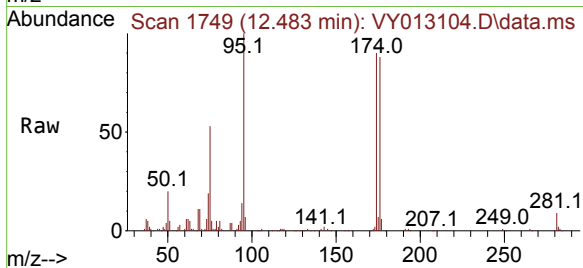




#62
4-Bromofluorobenzene
Concen: 42.298 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

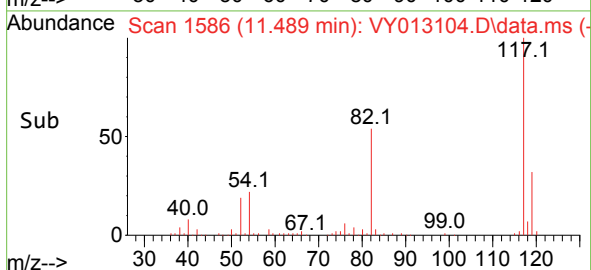
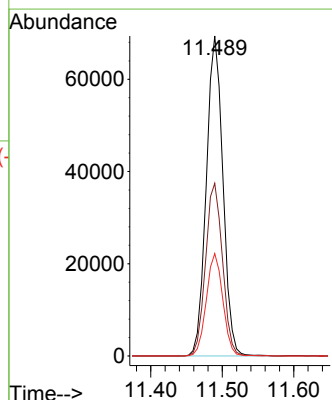
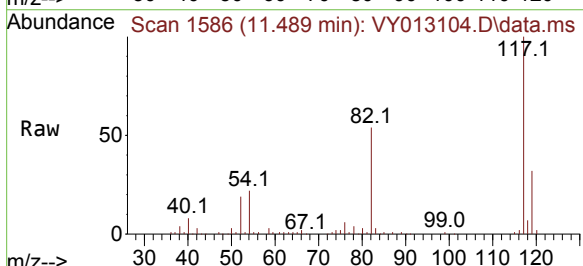
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02

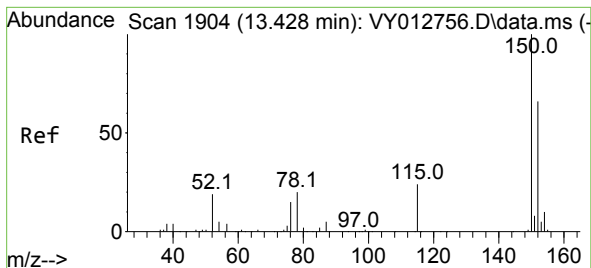
Tgt Ion:	95	Resp:	39918
Ion Ratio	Lower	Upper	
95	100		
174	88.1	0.0	176.6
176	84.5	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

Tgt Ion:	117	Resp:	111940
Ion Ratio	Lower	Upper	
117	100		
82	54.0	45.4	68.0
119	32.0	25.6	38.4

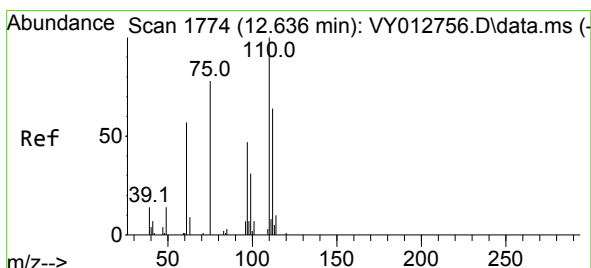
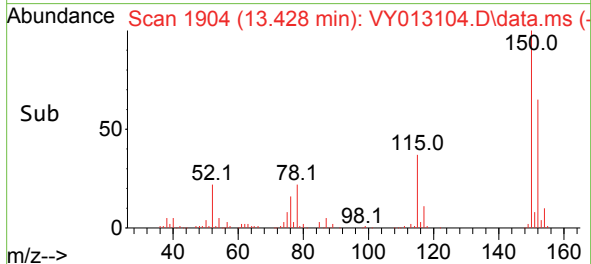
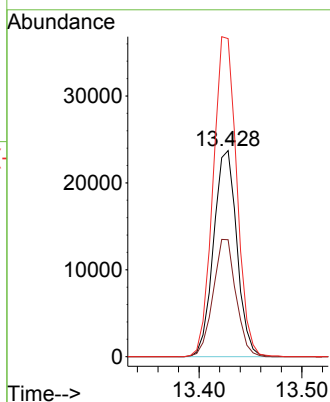
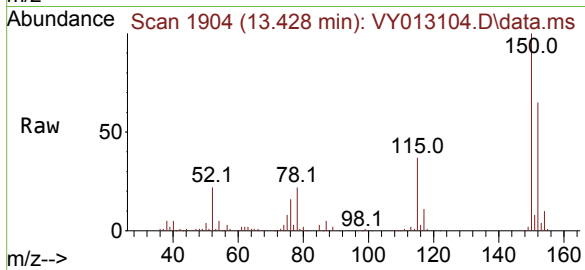




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

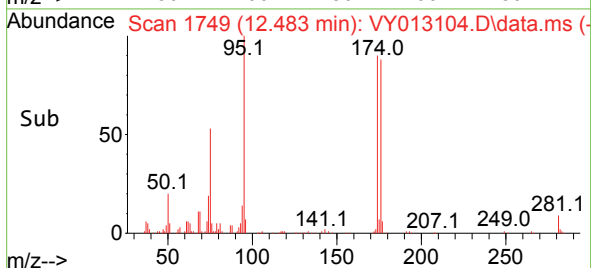
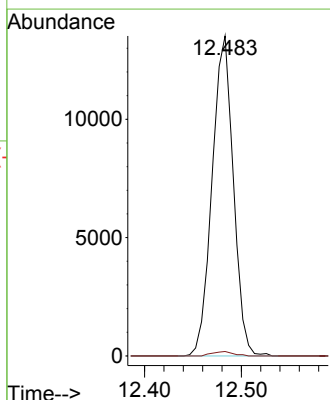
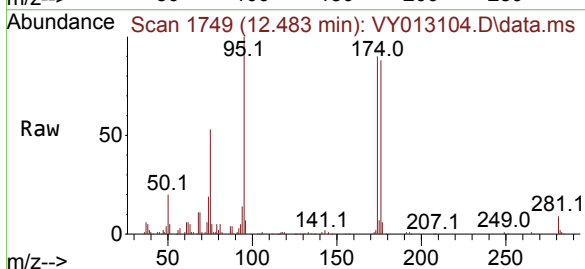
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02

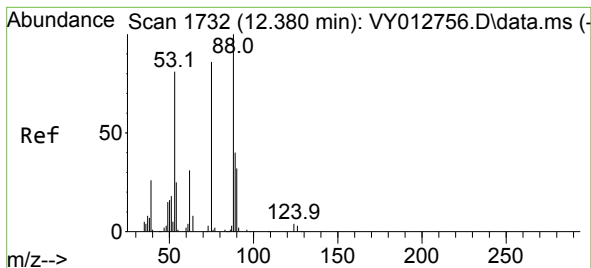
Tgt Ion:152 Resp: 37301
Ion Ratio Lower Upper
152 100
115 55.8 27.1 81.3
150 157.4 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 46.263 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013104.D
Acq: 27 Mar 2023 20:01

Tgt Ion: 75 Resp: 20607
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.858 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013104.D
 Acq: 27 Mar 2023 20:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-30-SB02

Tgt Ion: 75 Resp: 20607
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

