

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014216.D
 Acq On : 16 Jun 2023 20:18
 Operator : KP/MD
 Sample : 03255-12
 Misc : 5.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-34-GRAB-7

Quant Time: Jun 16 23:26:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

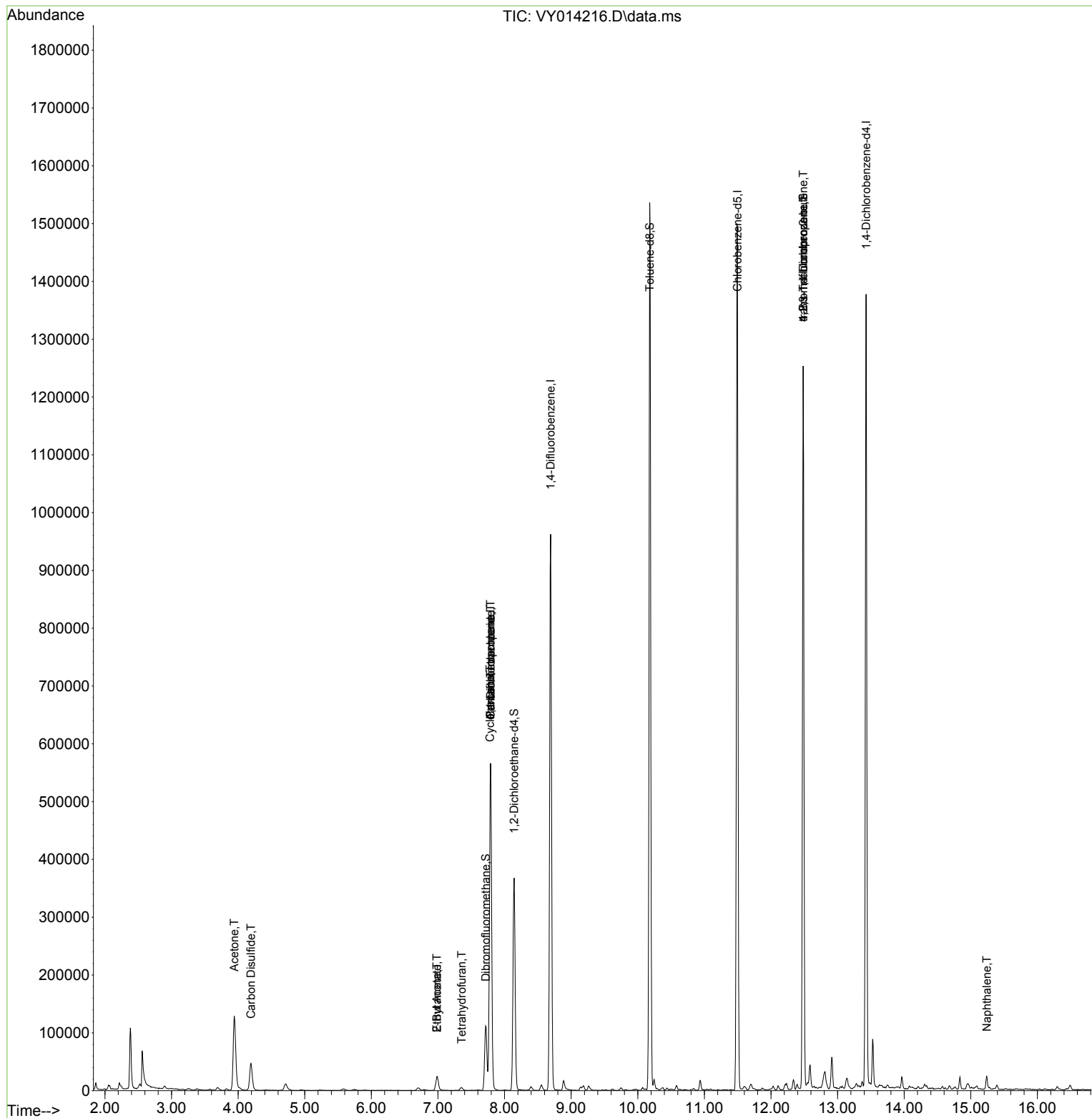
Internal Standards						
1) Pentafluorobenzene	7.789	168	438905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	795661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	800910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	335069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	305181	49.933	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.860%
35) Dibromofluoromethane	7.716	113	76823	13.615	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	27.220%#
50) Toluene-d8	10.179	98	980324	46.471	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.940%
62) 4-Bromofluorobenzene	12.483	95	345297	46.078	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.160%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.979	59	474	Below Cal		98
13) Acrolein	3.711	56	355	Below Cal	#	14
16) Acetone	3.942	43	226289	122.830	ug/l	99
17) Carbon Disulfide	4.192	76	88094	5.425	ug/l	98
20) Methylene Chloride	4.704	84	7267	Below Cal		98
25) 2-Butanone	6.984	43	36627	16.151	ug/l	98
29) Tetrahydrofuran	7.356	42	3722	2.588	ug/l	96
31) Cyclohexane	7.783	56	10350	1.264	ug/l #	4
36) 1,1-Dichloropropene	7.789	75	32626	3.709	ug/l #	51
37) Ethyl Acetate	6.984	43	36627	6.034	ug/l #	74
38) Carbon Tetrachloride	7.789	117	43512	4.286	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	196934	44.798	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	196934	96.836	ug/l #	11
95) Naphthalene	15.239	128	18263	1.233	ug/l	97

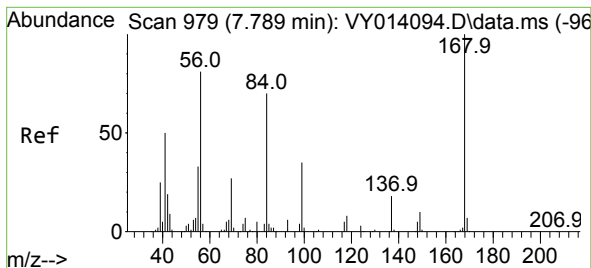
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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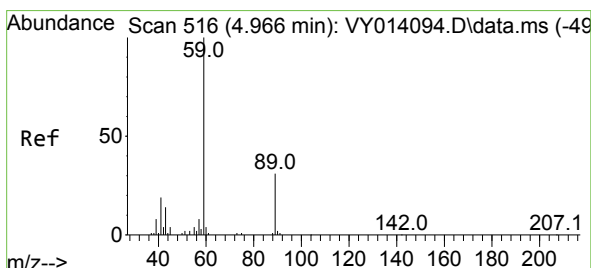
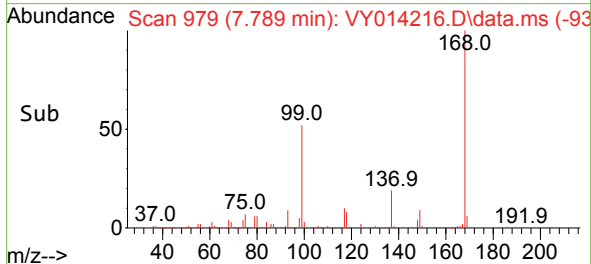
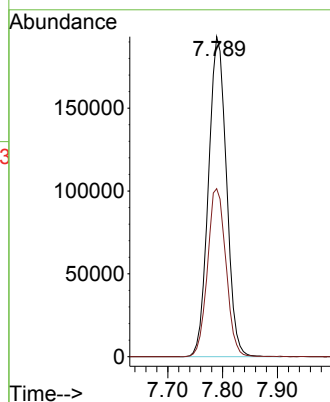
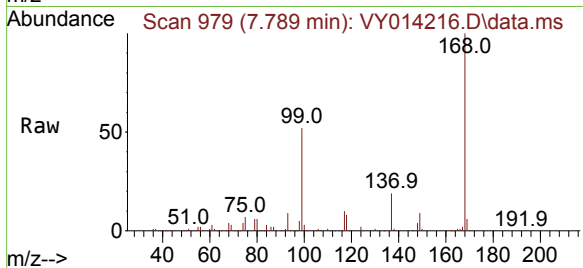




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

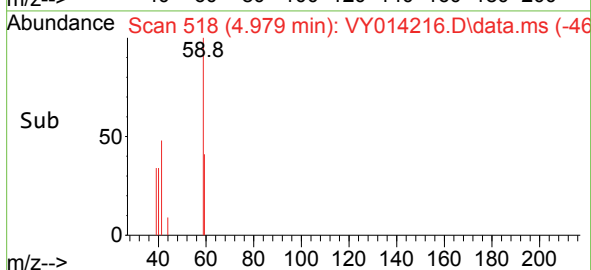
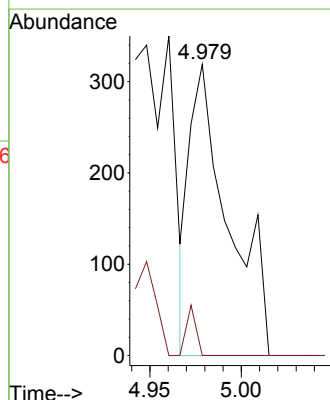
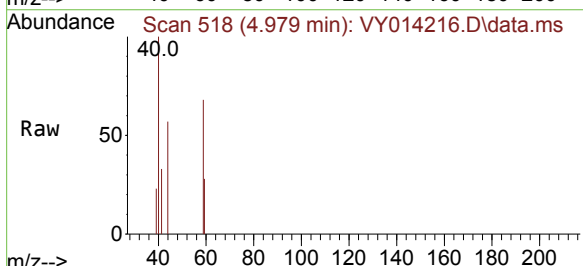
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7

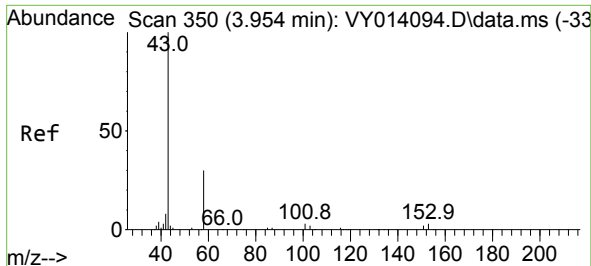
Tgt Ion:168 Resp: 438905
Ion Ratio Lower Upper
168 100
99 52.5 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.979 min Scan# 518
Delta R.T. 0.013 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

Tgt Ion: 59 Resp: 474
Ion Ratio Lower Upper
59 100
57 4.2 3.0 4.4

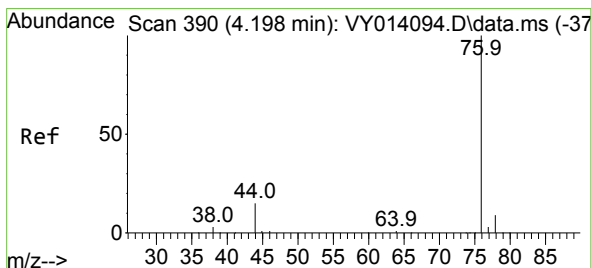
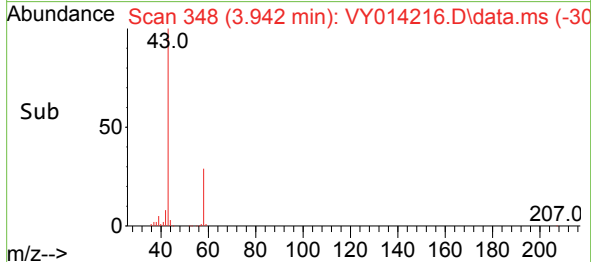
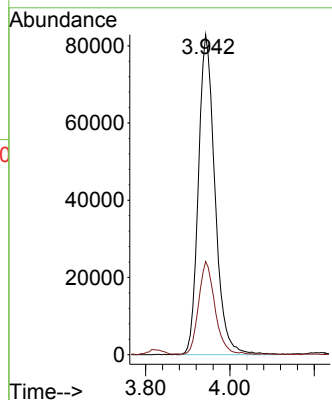
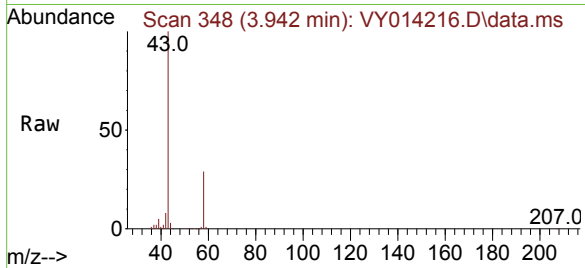




#16
Acetone
Concen: 122.830 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

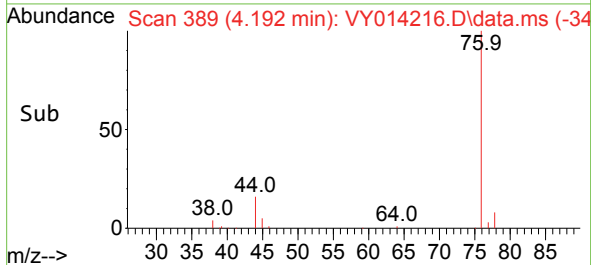
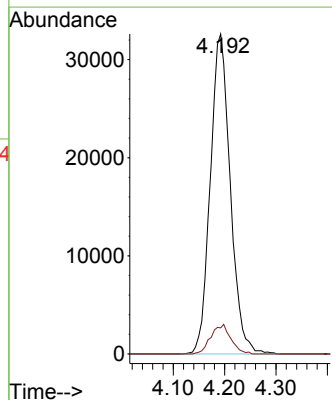
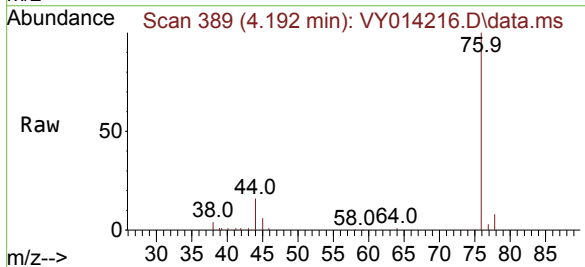
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7

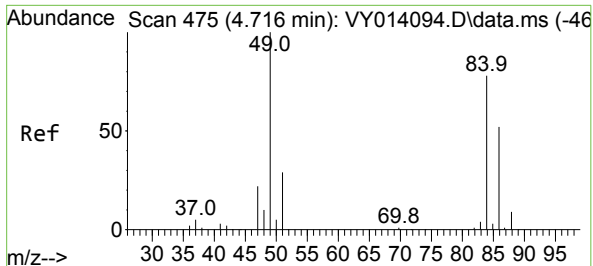
Tgt Ion: 43 Resp: 226289
Ion Ratio Lower Upper
43 100
58 29.0 22.7 34.1



#17
Carbon Disulfide
Concen: 5.425 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.006 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

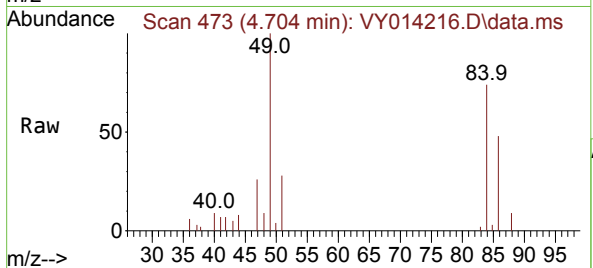
Tgt Ion: 76 Resp: 88094
Ion Ratio Lower Upper
76 100
78 8.2 7.0 10.4



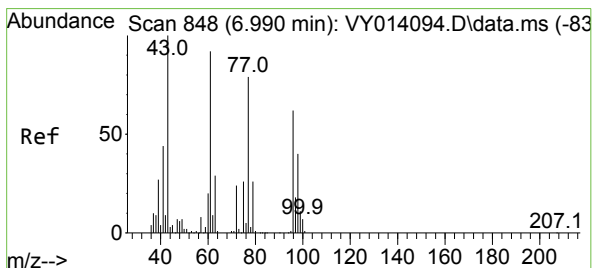
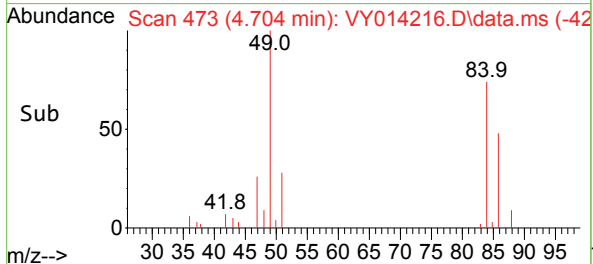
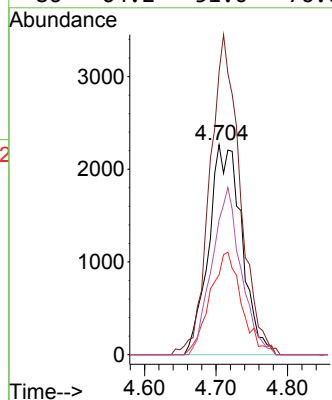


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7

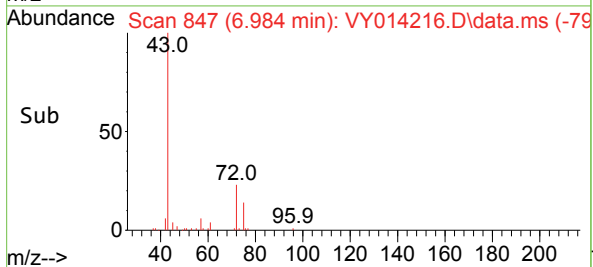
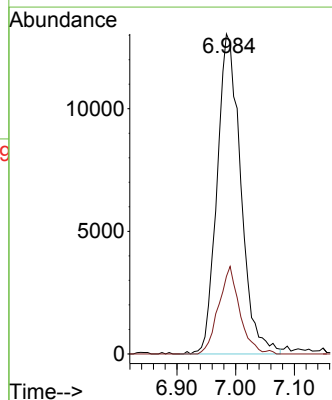
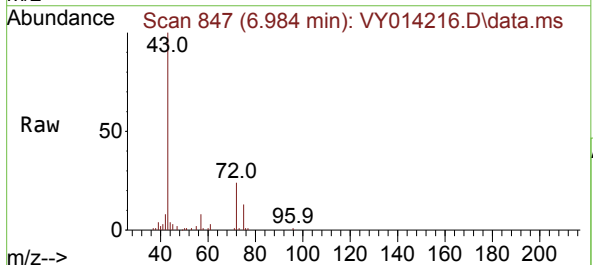


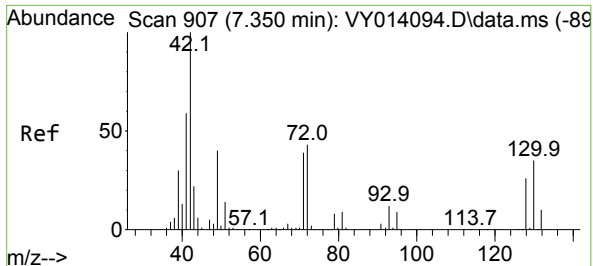
Tgt Ion:	84	Resp:	7267
Ion	Ratio	Lower	Upper
84	100		
49	134.7	106.9	160.3
51	38.0	33.2	49.8
86	64.2	51.0	76.6



#25
2-Butanone
Concen: 16.151 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

Tgt Ion:	43	Resp:	36627
Ion	Ratio	Lower	Upper
43	100		
72	24.4	20.5	30.7





#29

Tetrahydrofuran

Concen: 2.588 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014216.D

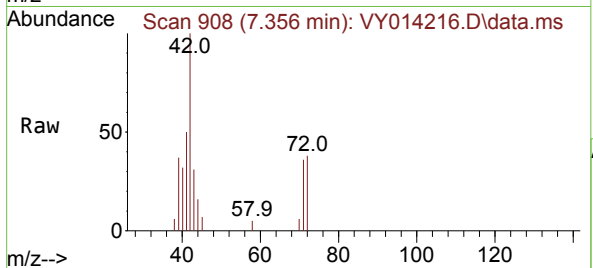
Acq: 16 Jun 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-34-GRAB-7



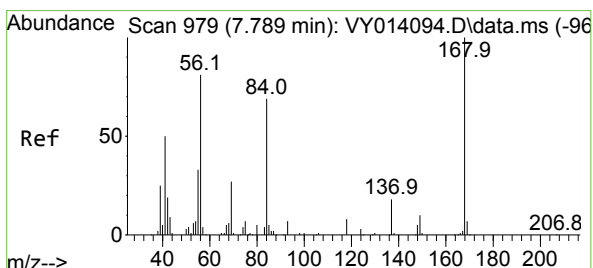
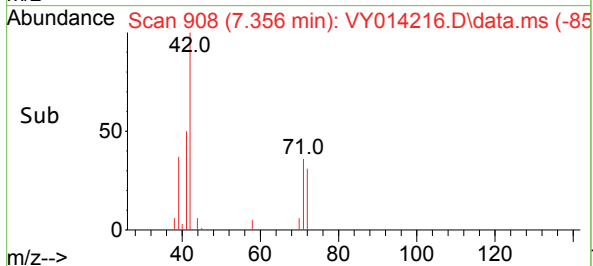
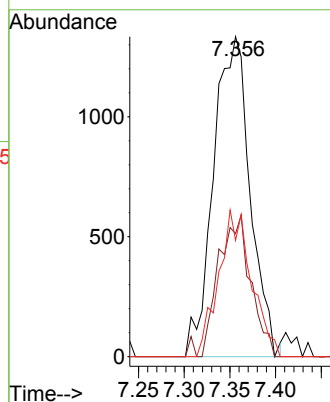
Tgt Ion: 42 Resp: 3722

Ion Ratio Lower Upper

42 100

72 38.5 32.8 49.2

71 40.8 31.0 46.4



#31

Cyclohexane

Concen: 1.264 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY014216.D

Acq: 16 Jun 2023 20:18

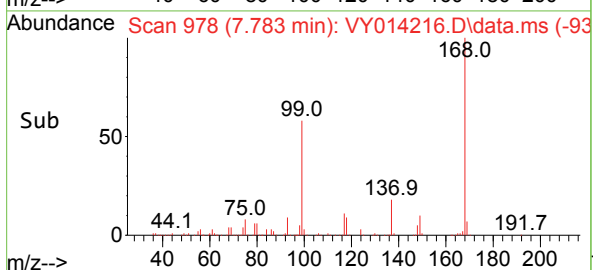
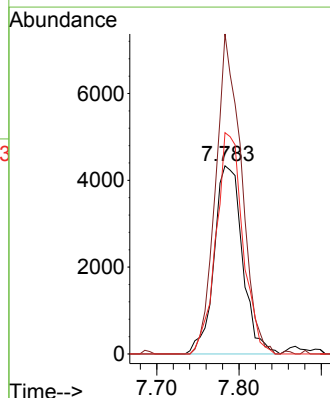
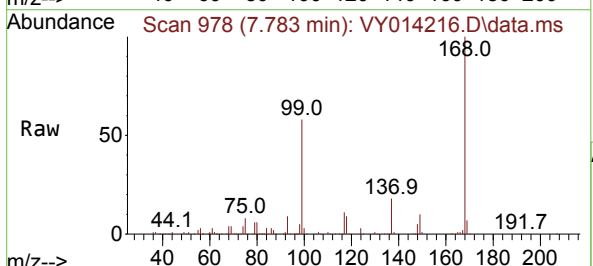
Tgt Ion: 56 Resp: 10350

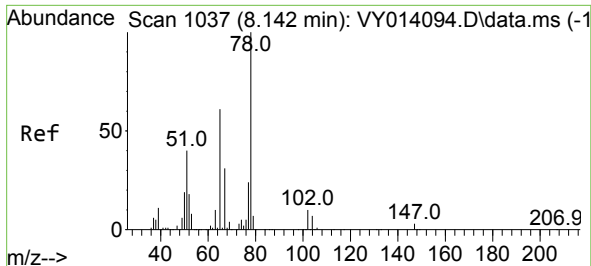
Ion Ratio Lower Upper

56 100

69 170.1 27.8 41.6#

84 117.7 66.4 99.6#

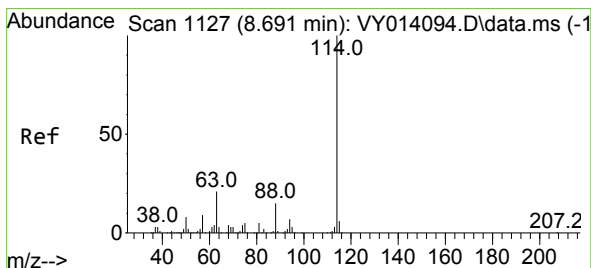
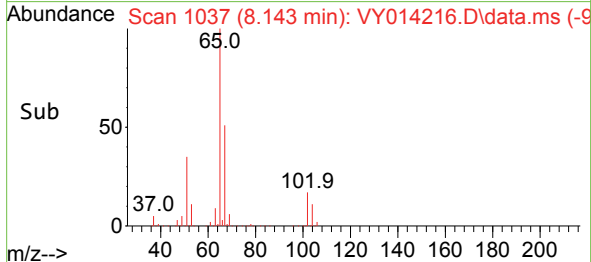
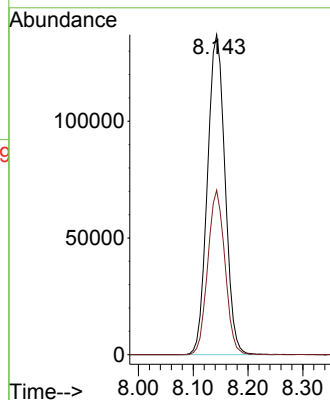
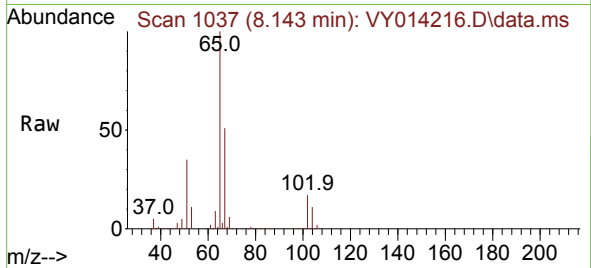




#33
1,2-Dichloroethane-d4
Concen: 49.933 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

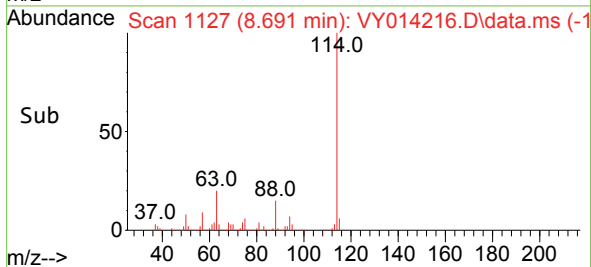
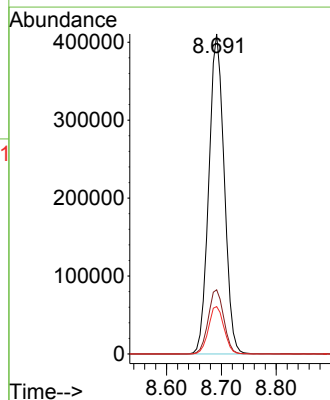
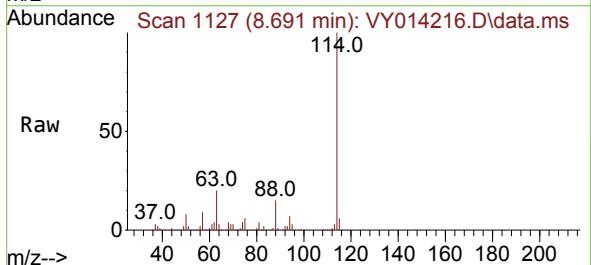
Instrument :
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TOTAL-VOC-SB-34-GRAB-7

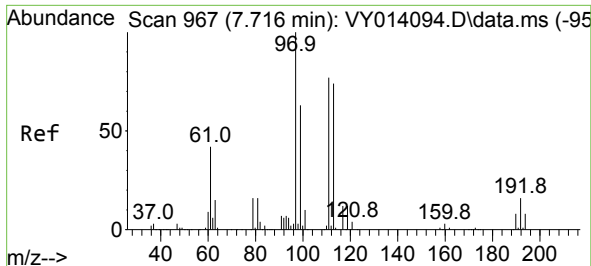
Tgt Ion: 65 Resp: 305181
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

Tgt Ion: 114 Resp: 795661
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.4
88 14.8 0.0 30.6

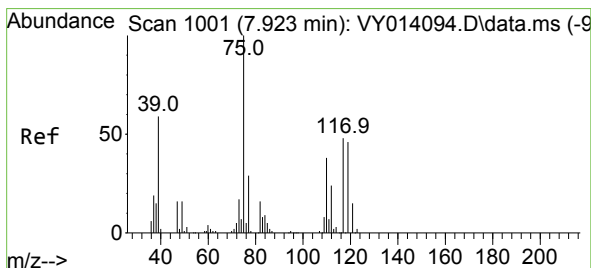
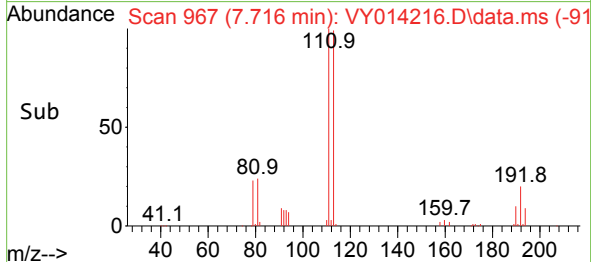
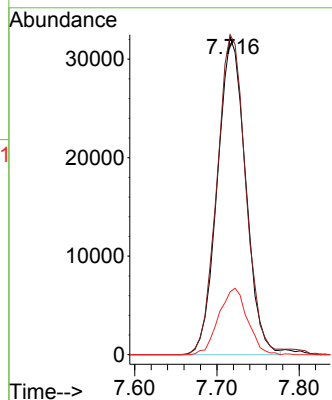
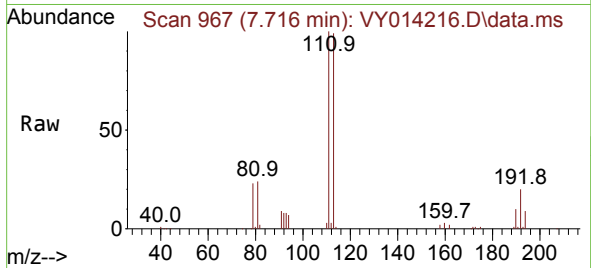




#35
Dibromofluoromethane
Concen: 13.615 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

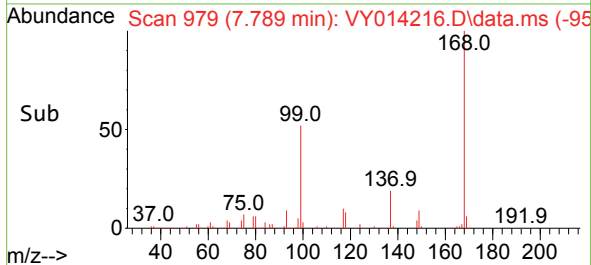
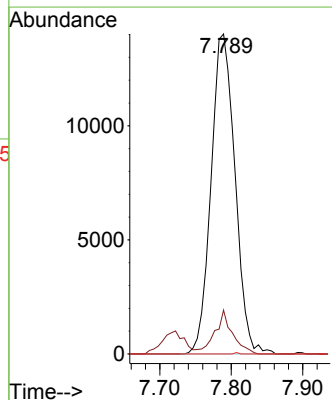
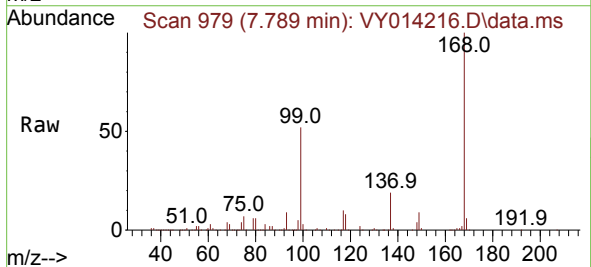
Instrument :
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ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7

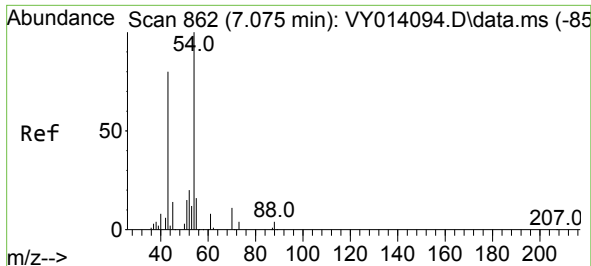
Tgt Ion:113 Resp: 76823
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 21.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.709 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

Tgt Ion: 75 Resp: 32626
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 6.034 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY014216.D

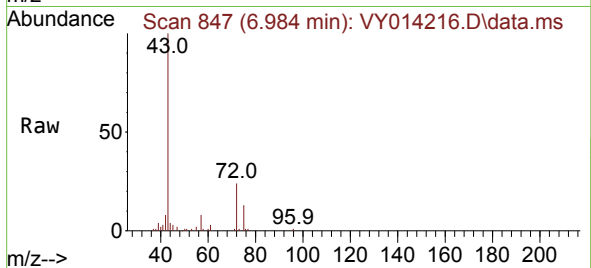
Acq: 16 Jun 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-34-GRAB-7



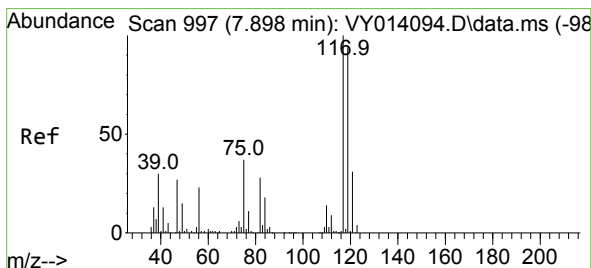
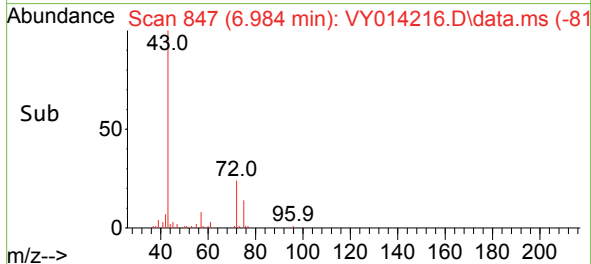
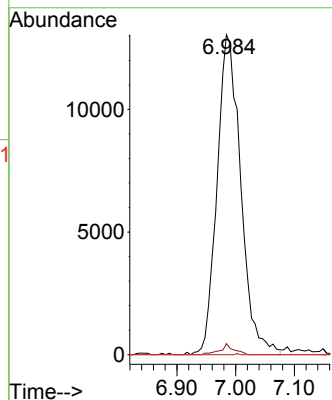
Tgt Ion: 43 Resp: 36627

Ion Ratio Lower Upper

43 100

61 1.9 10.1 15.1#

70 0.1 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.286 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY014216.D

Acq: 16 Jun 2023 20:18

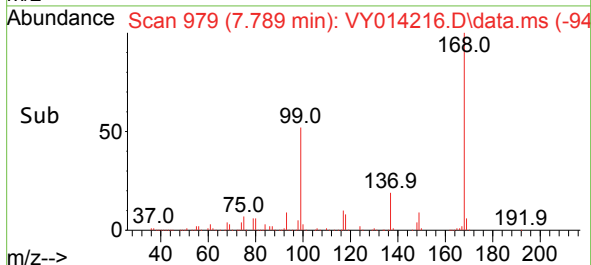
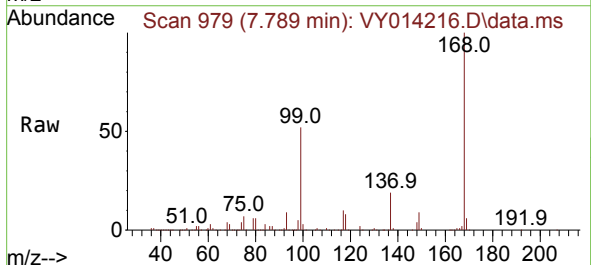
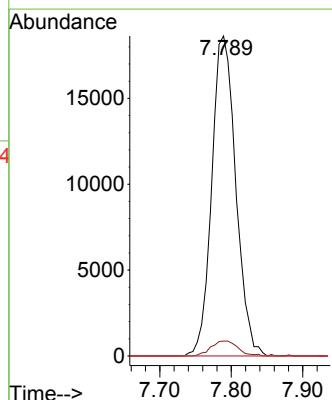
Tgt Ion: 117 Resp: 43512

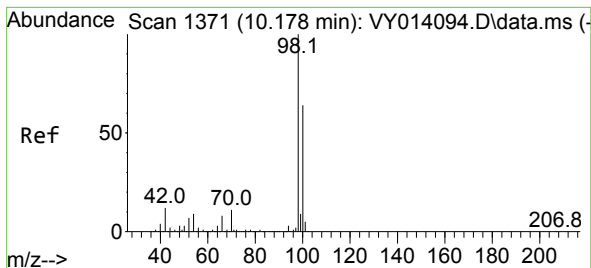
Ion Ratio Lower Upper

117 100

119 4.6 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 46.471 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014216.D

Acq: 16 Jun 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

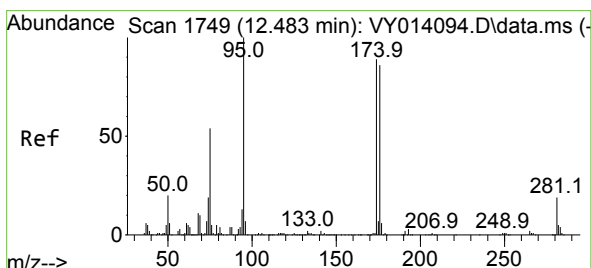
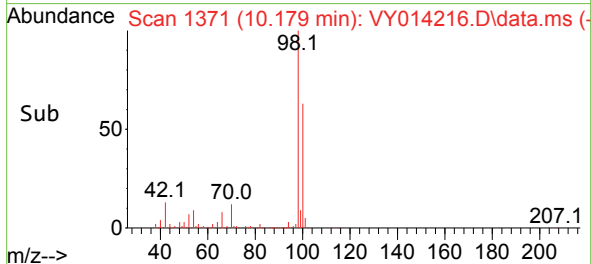
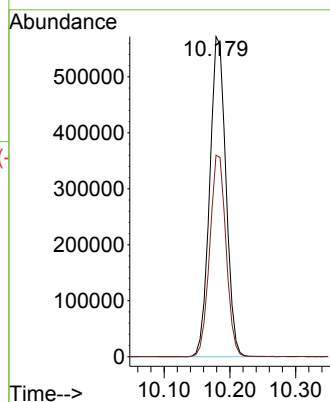
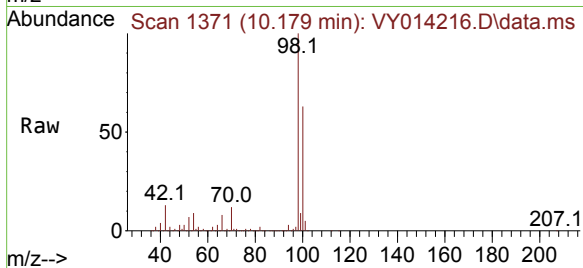
TOTAL-VOC-SB-34-GRAB-7

Tgt Ion: 98 Resp: 980324

Ion Ratio Lower Upper

98 100

100 63.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 46.078 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY014216.D

Acq: 16 Jun 2023 20:18

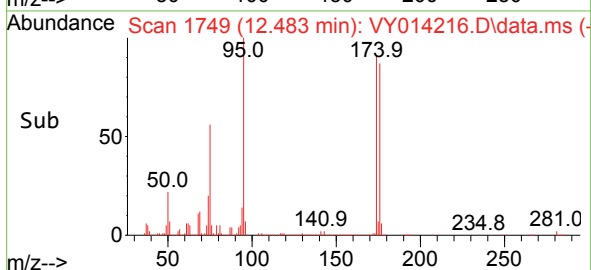
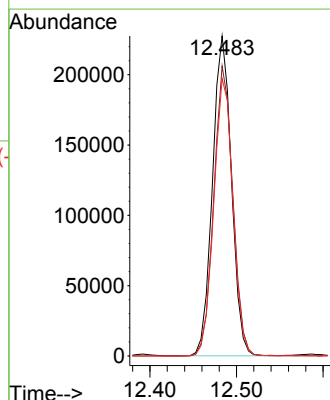
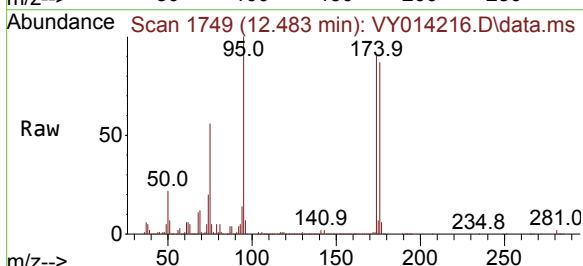
Tgt Ion: 95 Resp: 345297

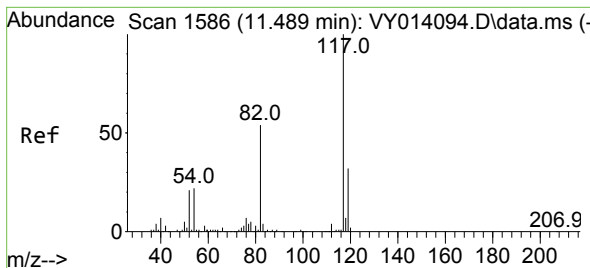
Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.2

176 88.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014216.D

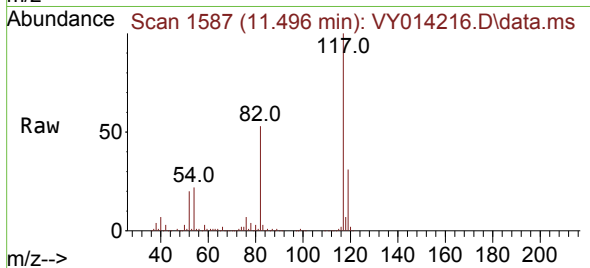
Acq: 16 Jun 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-34-GRAB-7



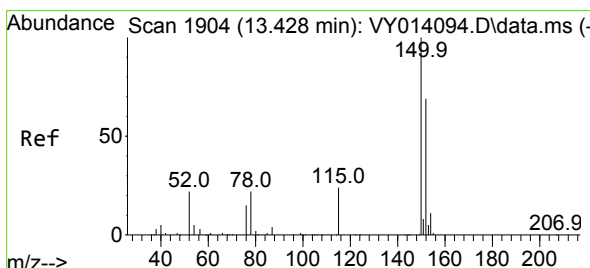
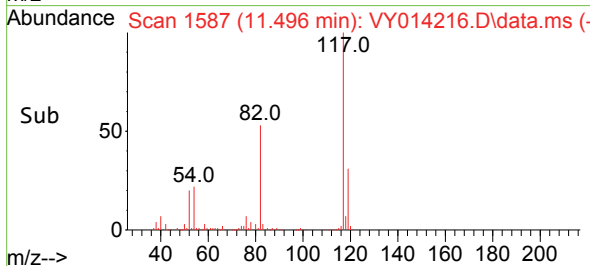
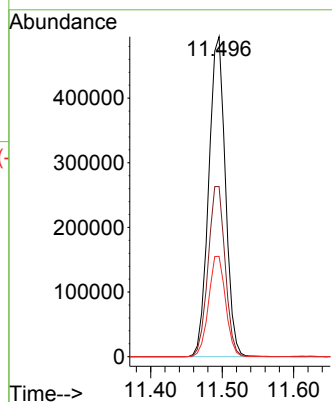
Tgt Ion:117 Resp: 800910

Ion Ratio Lower Upper

117 100

82 53.2 43.4 65.0

119 31.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014216.D

Acq: 16 Jun 2023 20:18

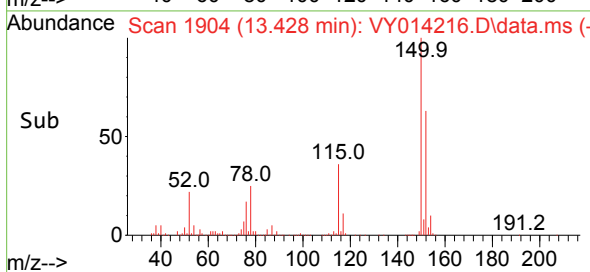
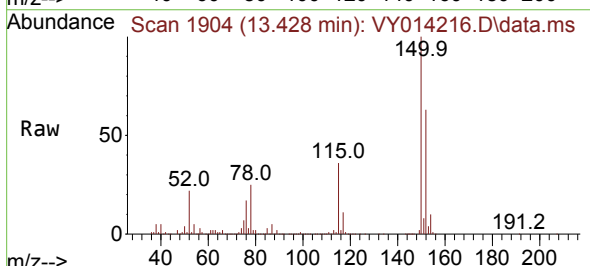
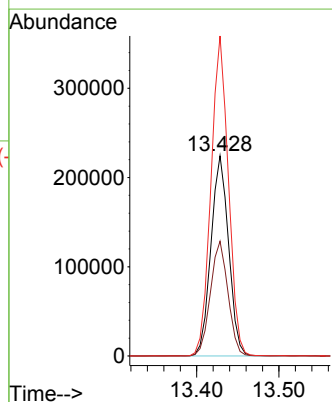
Tgt Ion:152 Resp: 335069

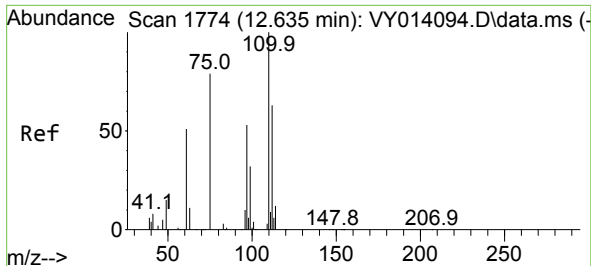
Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 157.3 0.0 348.8

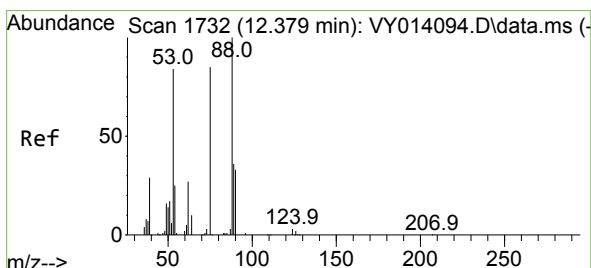
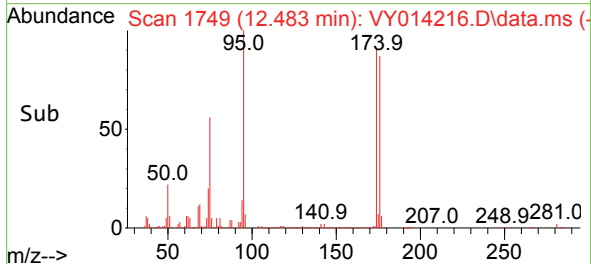
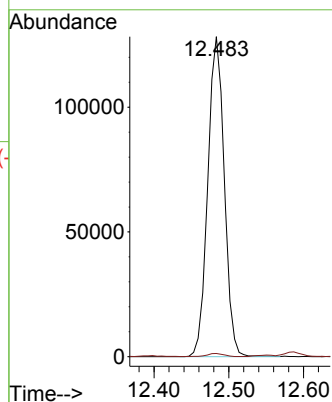
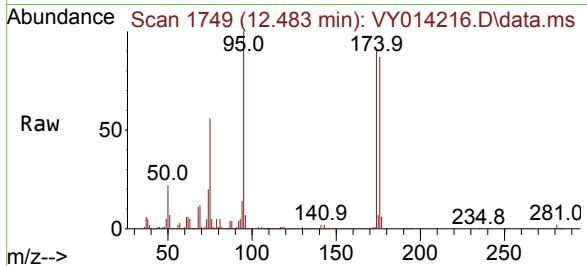




#76
 1,2,3-Trichloropropane
 Concen: 44.798 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY014216.D
 Acq: 16 Jun 2023 20:18

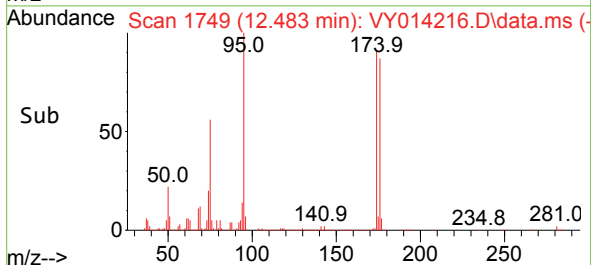
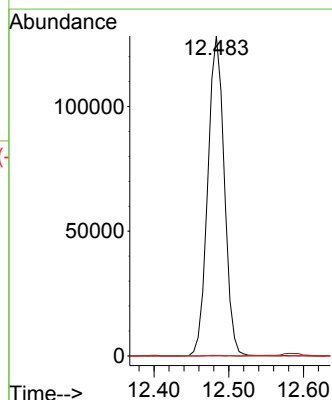
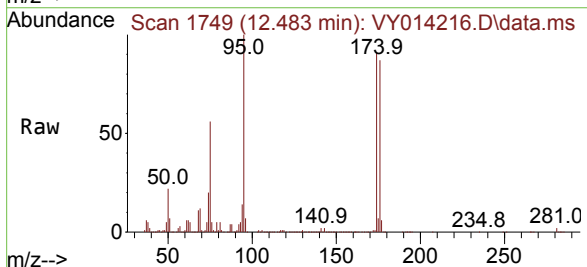
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-34-GRAB-7

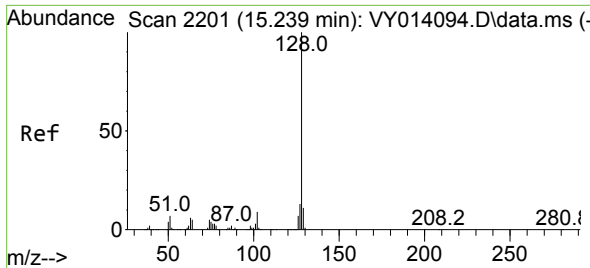
Tgt Ion: 75 Resp: 196934
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.836 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY014216.D
 Acq: 16 Jun 2023 20:18

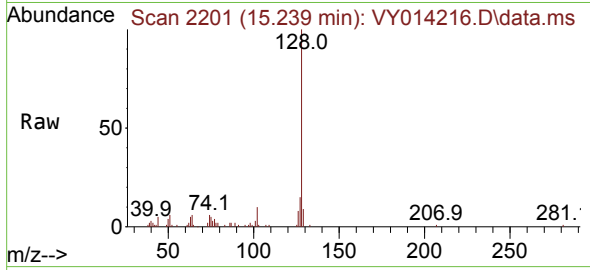
Tgt Ion: 75 Resp: 196934
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 1.233 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7



Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.8	16.2
129	11.3	8.6	13.0

