

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014214.D
 Acq On : 16 Jun 2023 19:31
 Operator : KP/MD
 Sample : 03255-11
 Misc : 6.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-34-GRAB-6

Quant Time: Jun 16 23:25:32 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)

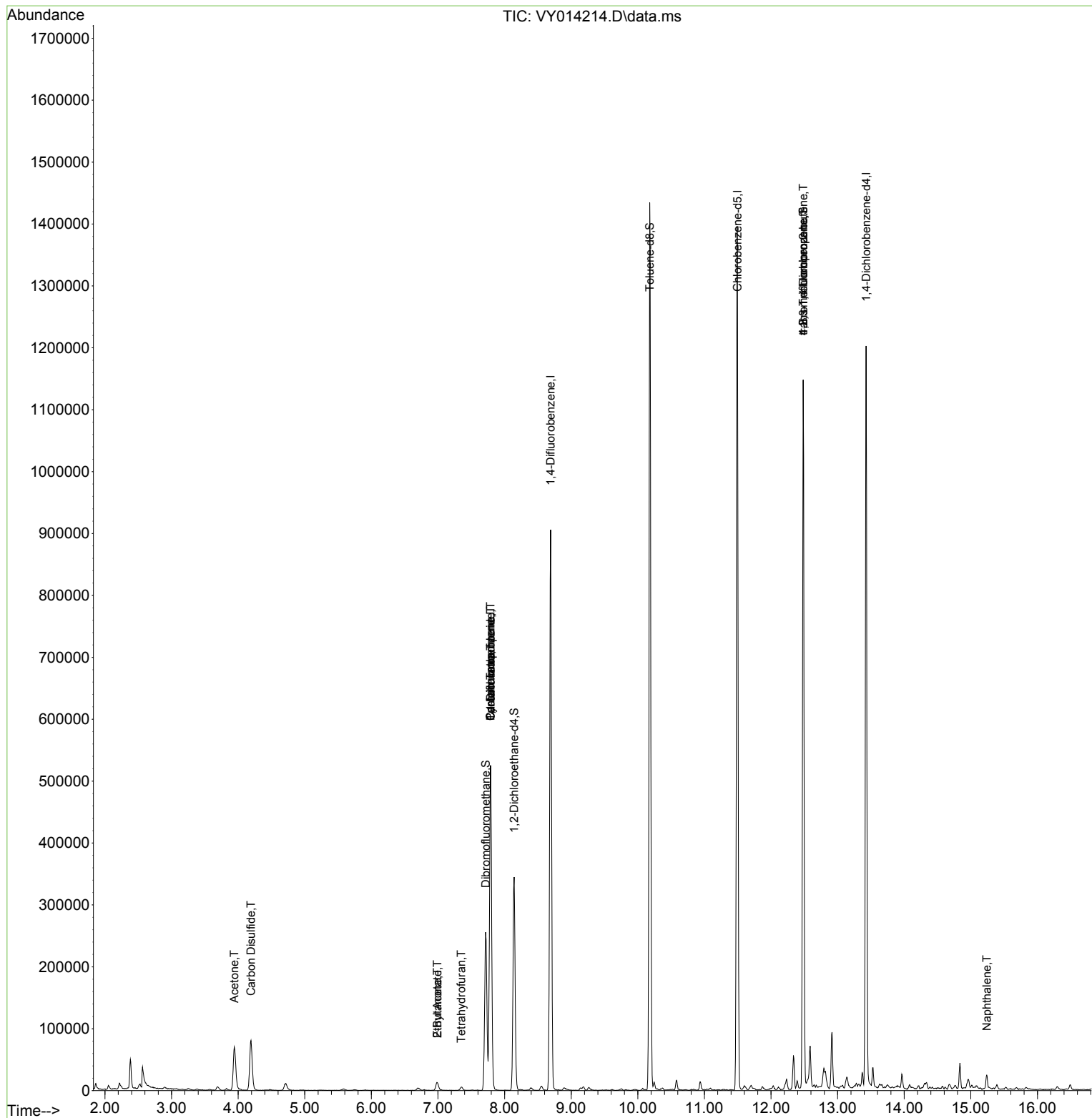
Internal Standards						
1) Pentafluorobenzene	7.789	168	399230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	738815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	739945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	296761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	281613	50.656	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.320%			
35) Dibromofluoromethane	7.715	113	173479	33.110	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 66.220%			
50) Toluene-d8	10.178	98	911739	46.545	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.080%			
62) 4-Bromofluorobenzene	12.483	95	313055	44.990	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.980%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.935	59	445	Below Cal	#	61
13) Acrolein	3.710	56	247	Below Cal	#	14
16) Acetone	3.942	43	123068	73.440	ug/l	96
17) Carbon Disulfide	4.192	76	159170	10.776	ug/l	98
20) Methylene Chloride	4.716	84	8062	Below Cal		88
25) 2-Butanone	6.990	43	19427	9.418	ug/l	100
29) Tetrahydrofuran	7.350	42	4163	3.183	ug/l	96
31) Cyclohexane	7.789	56	9621	1.292	ug/l #	15
36) 1,1-Dichloropropene	7.789	75	30468	3.730	ug/l #	51
37) Ethyl Acetate	6.990	43	19427	3.447	ug/l #	73
38) Carbon Tetrachloride	7.789	117	40183	4.263	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	177066	45.478	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	177066	98.306	ug/l #	11
95) Naphthalene	15.239	128	19152	1.460	ug/l	98

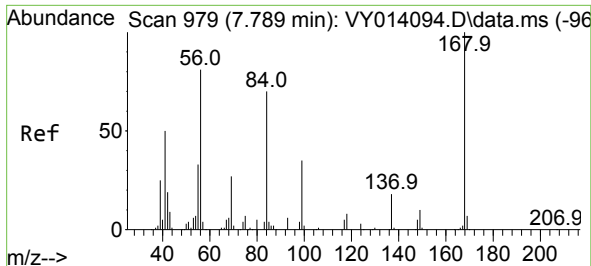
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

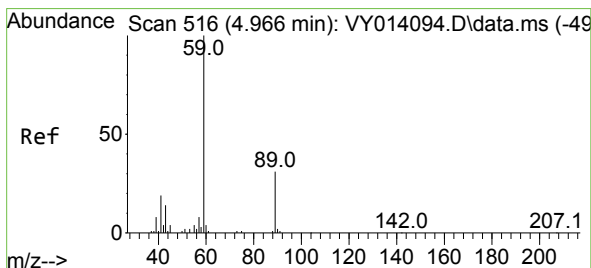
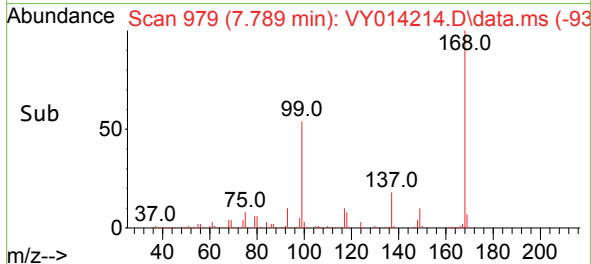
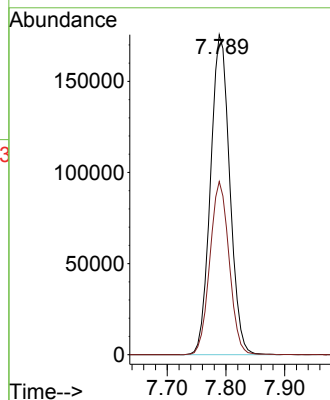
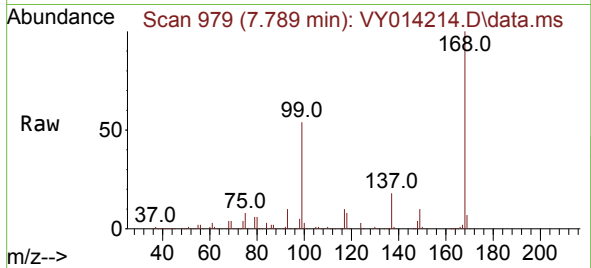




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014214.D
Acq: 16 Jun 2023 19:31

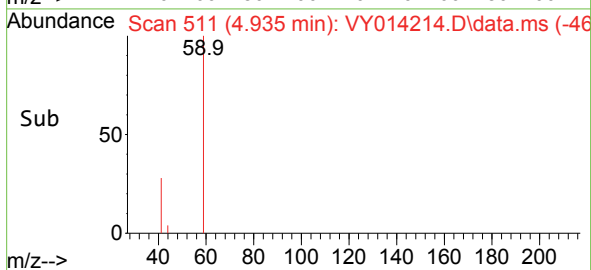
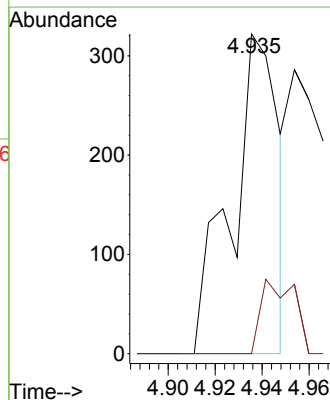
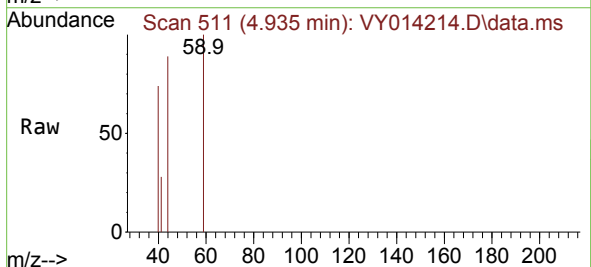
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-6

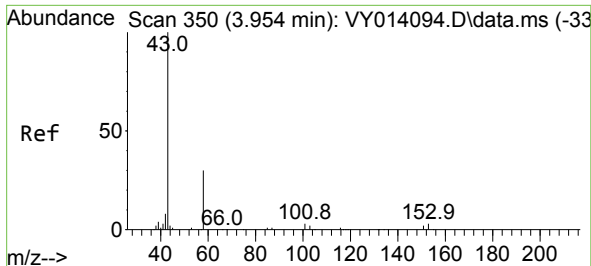
Tgt Ion:168 Resp: 399230
Ion Ratio Lower Upper
168 100
99 54.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.935 min Scan# 511
Delta R.T. -0.031 min
Lab File: VY014214.D
Acq: 16 Jun 2023 19:31

Tgt Ion: 59 Resp: 445
Ion Ratio Lower Upper
59 100
57 16.6 3.0 4.4#





#16

Acetone

Concen: 73.440 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY014214.D

Acq: 16 Jun 2023 19:31

Instrument :

MSVOA_Y

ClientSampleId :

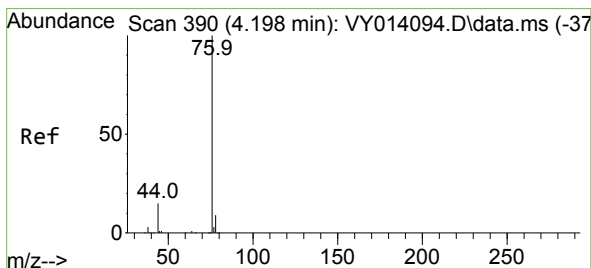
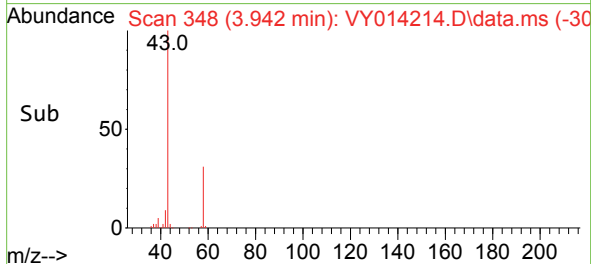
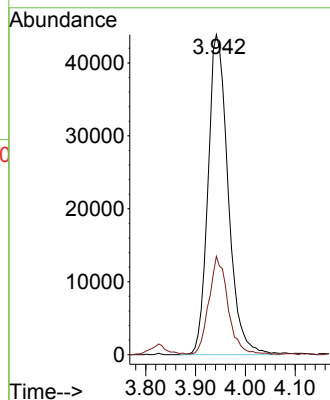
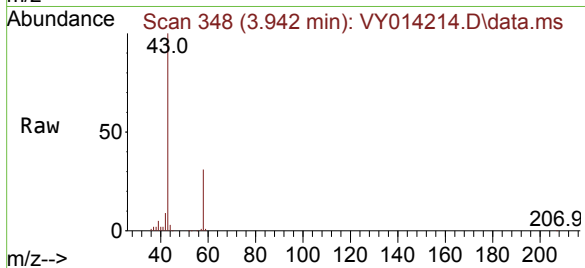
TOTAL-VOC-SB-34-GRAB-6

Tgt Ion: 43 Resp: 123068

Ion Ratio Lower Upper

43 100

58 30.6 22.7 34.1



#17

Carbon Disulfide

Concen: 10.776 ug/l

RT: 4.192 min Scan# 389

Delta R.T. -0.006 min

Lab File: VY014214.D

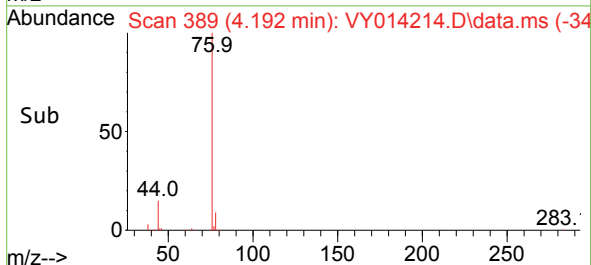
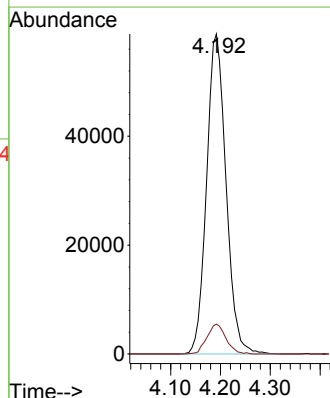
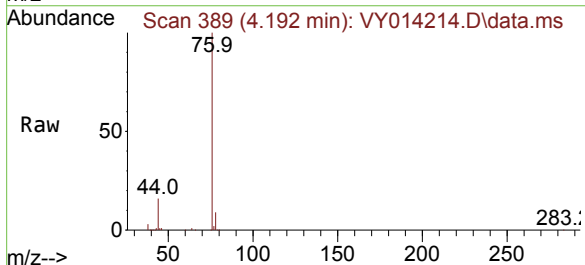
Acq: 16 Jun 2023 19:31

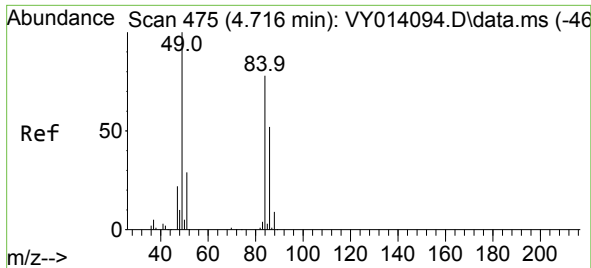
Tgt Ion: 76 Resp: 159170

Ion Ratio Lower Upper

76 100

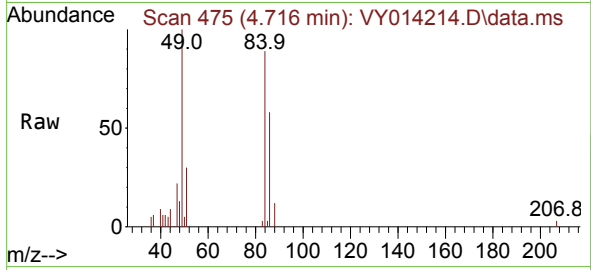
78 9.4 7.0 10.4



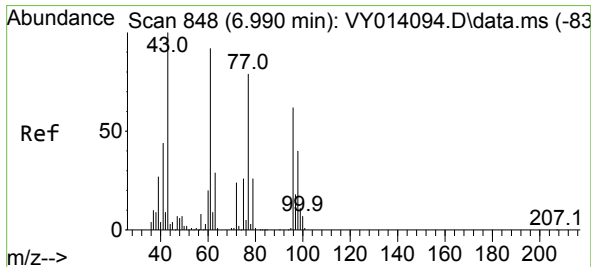
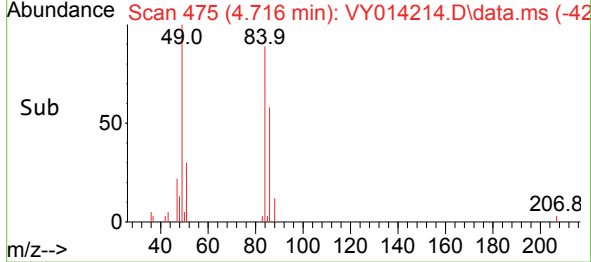
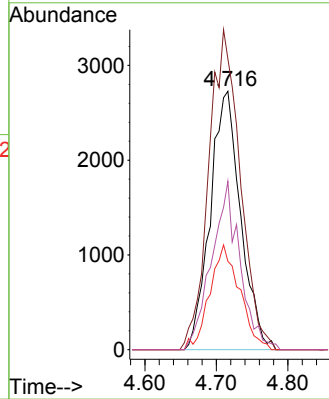


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014214.D
Acq: 16 Jun 2023 19:31

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-6

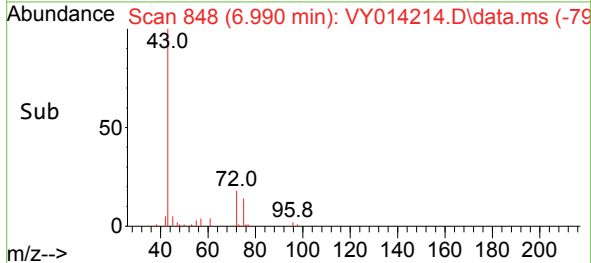
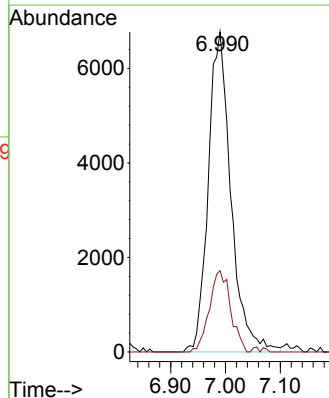
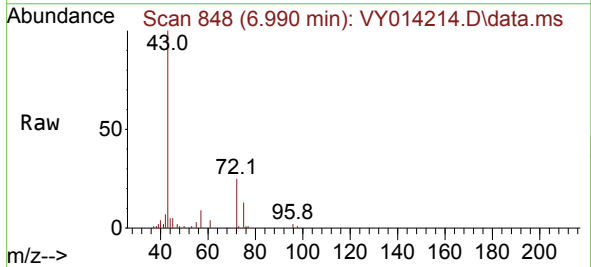


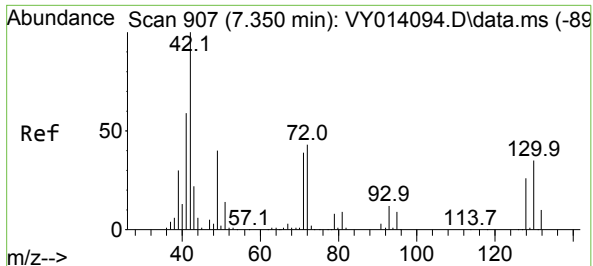
Tgt Ion:	84	Resp:	8062
Ion	Ratio	Lower	Upper
84	100		
49	112.6	106.9	160.3
51	34.2	33.2	49.8
86	65.1	51.0	76.6



#25
2-Butanone
Concen: 9.418 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY014214.D
Acq: 16 Jun 2023 19:31

Tgt Ion:	43	Resp:	19427
Ion	Ratio	Lower	Upper
43	100		
72	25.4	20.5	30.7





#29

Tetrahydrofuran

Concen: 3.183 ug/l

RT: 7.350 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY014214.D

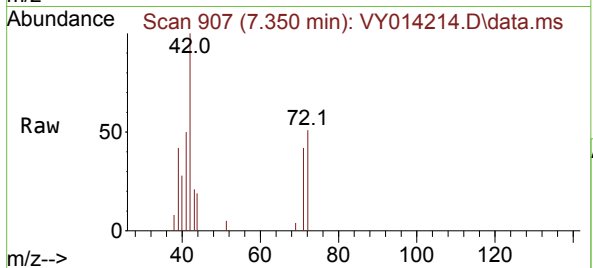
Acq: 16 Jun 2023 19:31

Instrument :

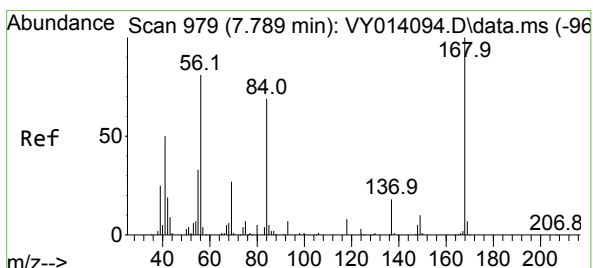
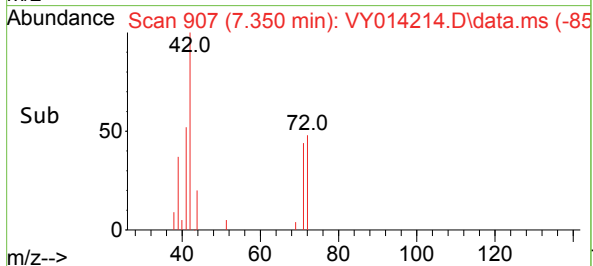
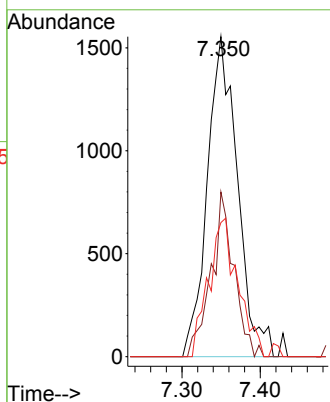
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-34-GRAB-6



Tgt Ion:	42	Resp:	4163
Ion	Ratio	Lower	Upper
42	100		
72	38.9	32.8	49.2
71	42.0	31.0	46.4



#31

Cyclohexane

Concen: 1.292 ug/l

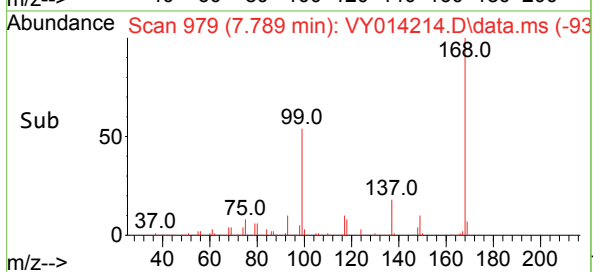
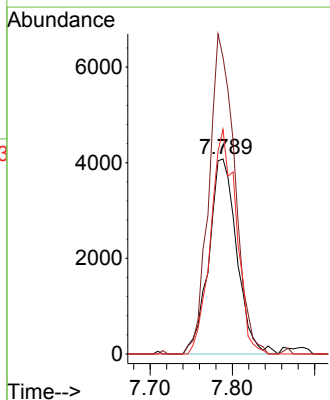
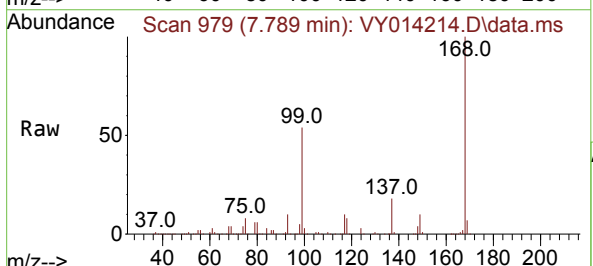
RT: 7.789 min Scan# 979

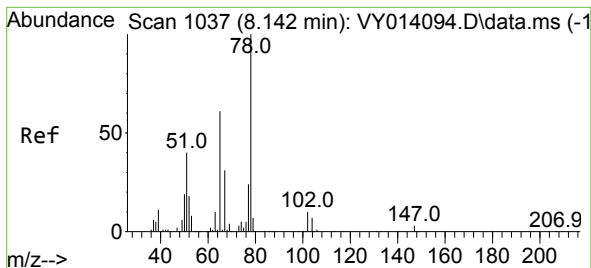
Delta R.T. -0.000 min

Lab File: VY014214.D

Acq: 16 Jun 2023 19:31

Tgt Ion:	56	Resp:	9621
Ion	Ratio	Lower	Upper
56	100		
69	152.2	27.8	41.6#
84	115.1	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 50.656 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY014214.D

Acq: 16 Jun 2023 19:31

Instrument :

MSVOA_Y

ClientSampleId :

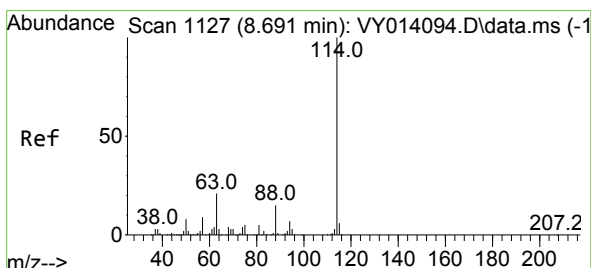
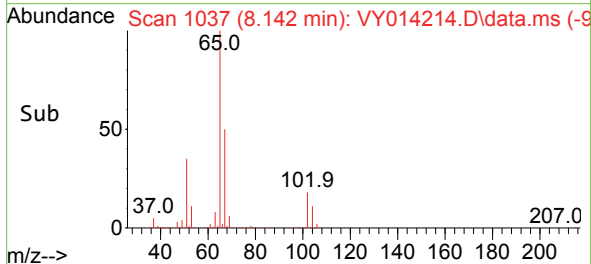
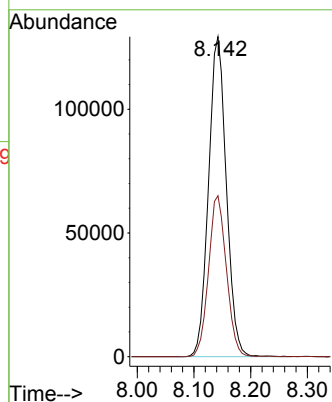
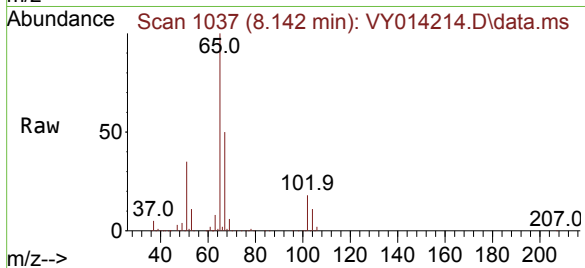
TOTAL-VOC-SB-34-GRAB-6

Tgt Ion: 65 Resp: 281613

Ion Ratio Lower Upper

65 100

67 50.5 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: VY014214.D

Acq: 16 Jun 2023 19:31

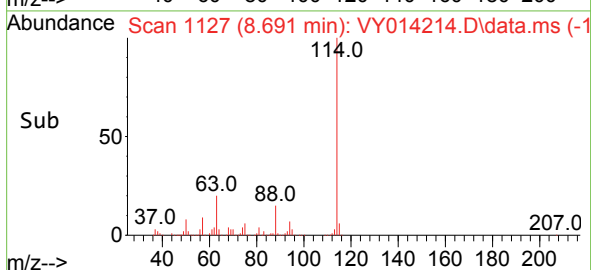
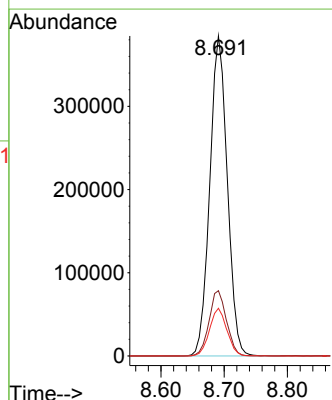
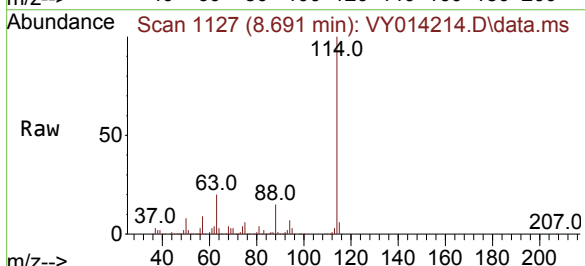
Tgt Ion: 114 Resp: 738815

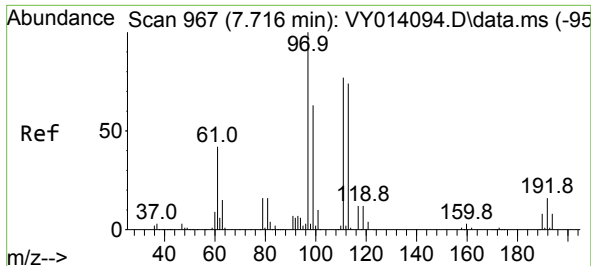
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 14.9 0.0 30.6

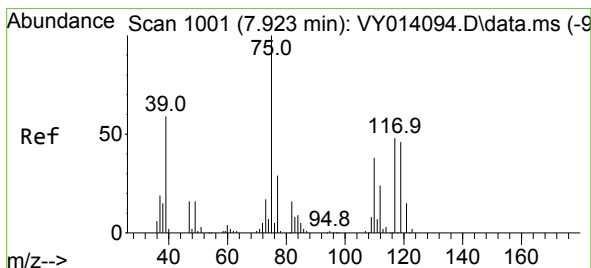
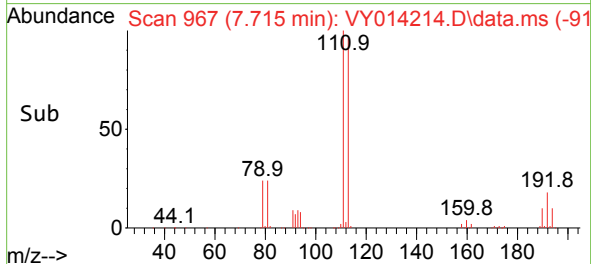
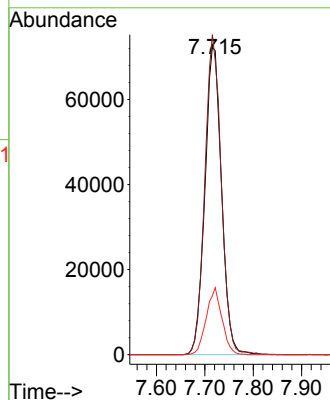
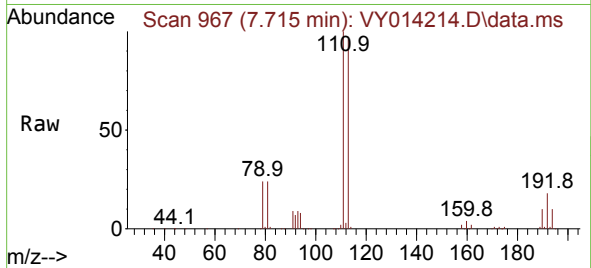




#35
Dibromofluoromethane
Concen: 33.110 ug/l
RT: 7.715 min Scan# 910
Delta R.T. -0.001 min
Lab File: VY014214.D
Acq: 16 Jun 2023 19:31

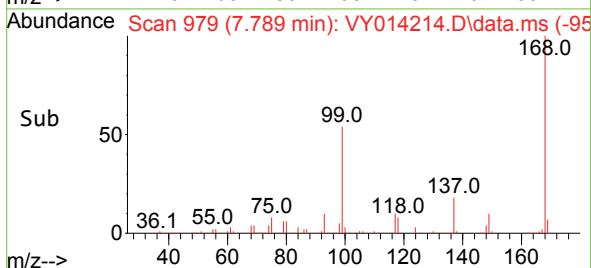
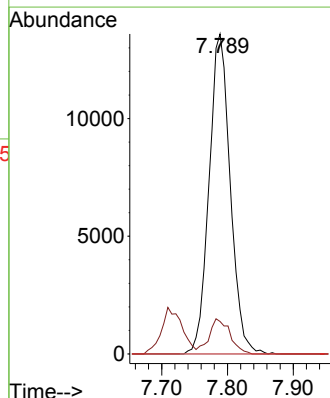
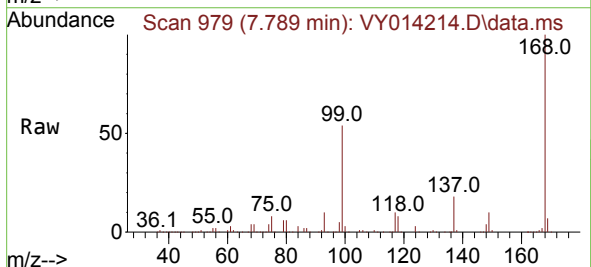
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-6

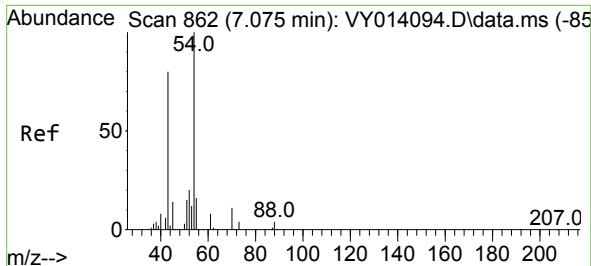
Tgt Ion:113 Resp: 173479
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 20.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.730 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014214.D
Acq: 16 Jun 2023 19:31

Tgt Ion: 75 Resp: 30468
Ion Ratio Lower Upper
75 100
110 10.9 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.447 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY014214.D

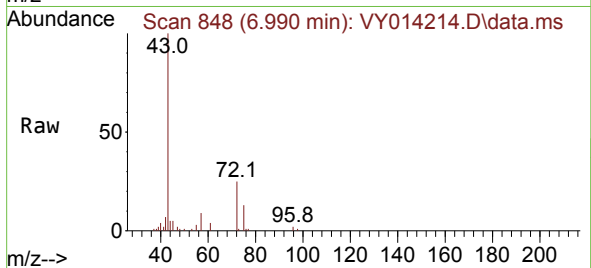
Acq: 16 Jun 2023 19:31

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-34-GRAB-6



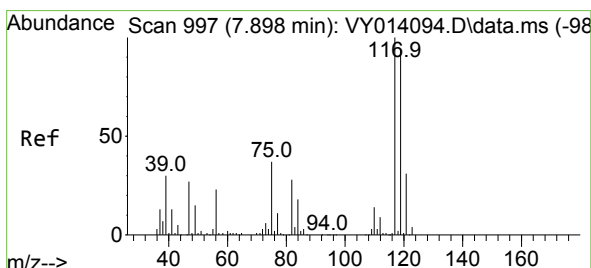
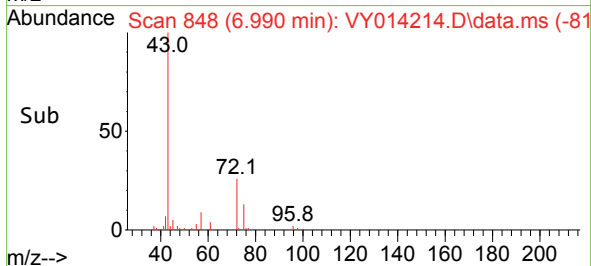
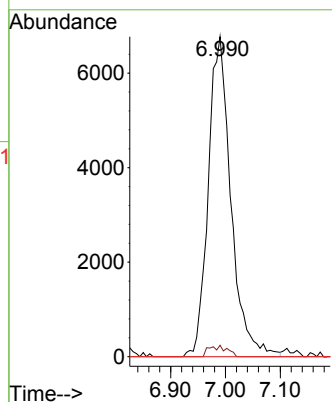
Tgt Ion: 43 Resp: 19427

Ion Ratio Lower Upper

43 100

61 1.4 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.263 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY014214.D

Acq: 16 Jun 2023 19:31

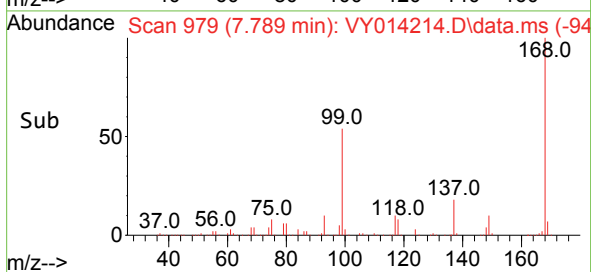
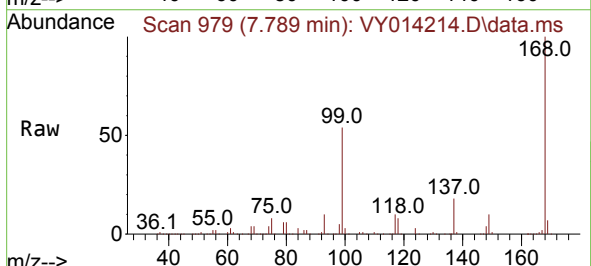
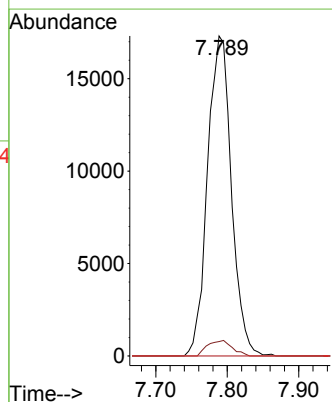
Tgt Ion: 117 Resp: 40183

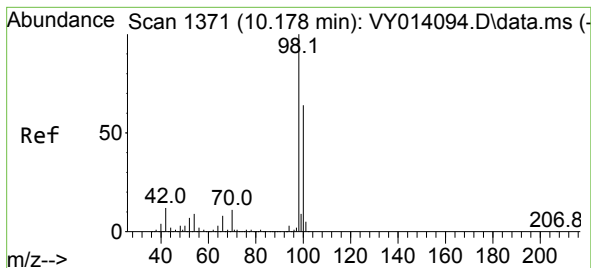
Ion Ratio Lower Upper

117 100

119 4.5 76.4 114.6#

121 0.0 25.8 38.6#

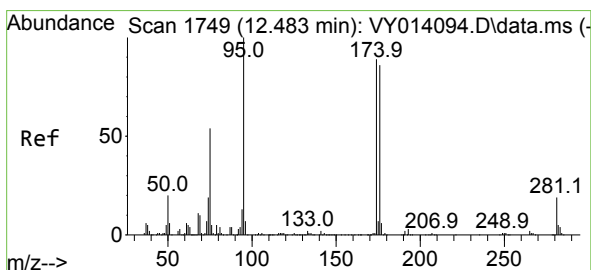
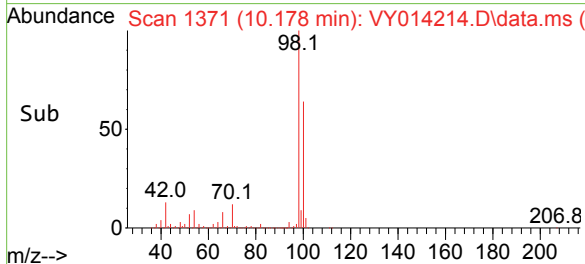
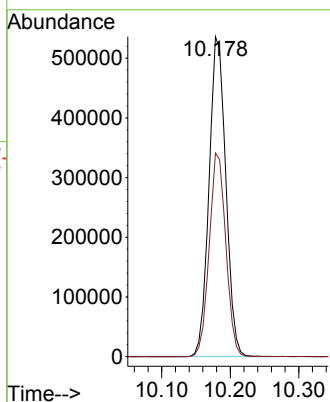
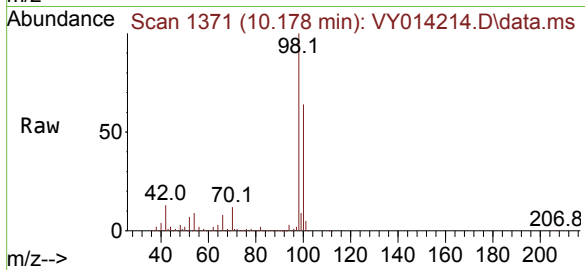




#50
Toluene-d8
Concen: 46.545 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY014214.D
Acq: 16 Jun 2023 19:31

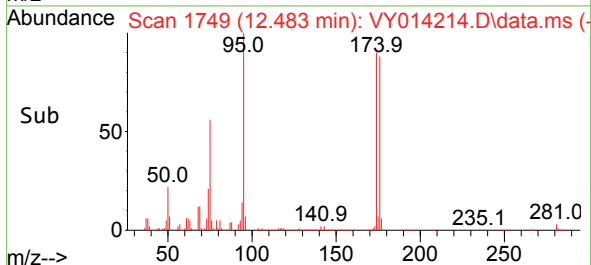
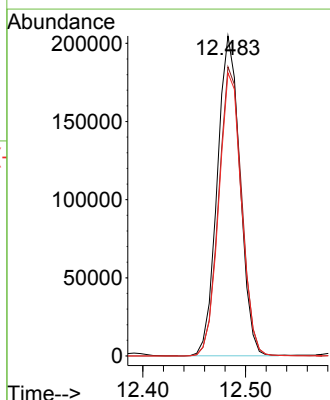
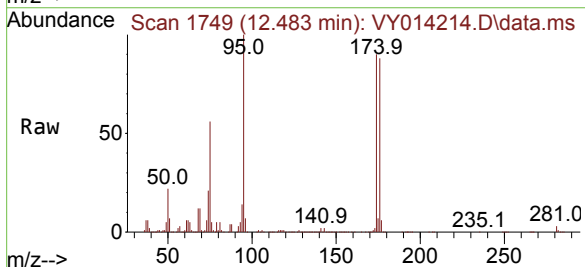
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-6

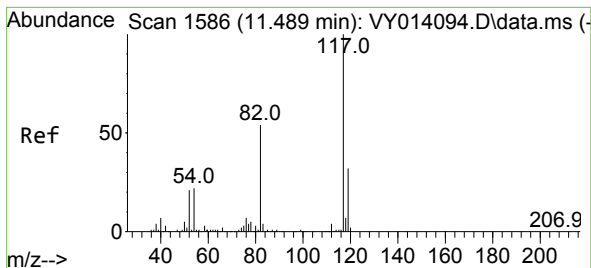
Tgt Ion: 98 Resp: 911739
Ion Ratio Lower Upper
98 100
100 63.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.990 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY014214.D
Acq: 16 Jun 2023 19:31

Tgt Ion: 95 Resp: 313055
Ion Ratio Lower Upper
95 100
174 91.5 0.0 178.2
176 88.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014214.D

Acq: 16 Jun 2023 19:31

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-34-GRAB-6

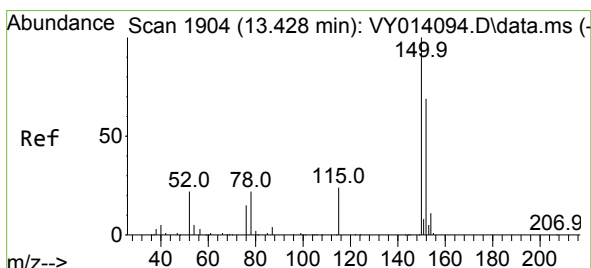
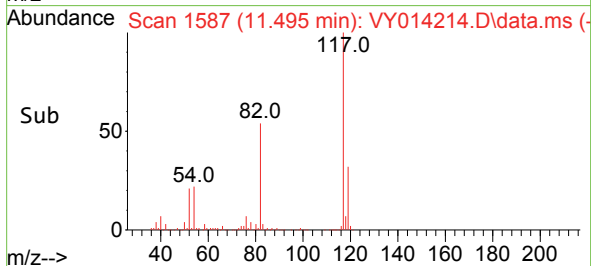
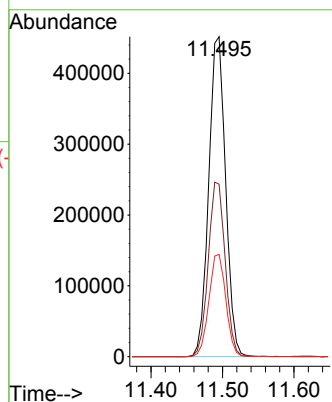
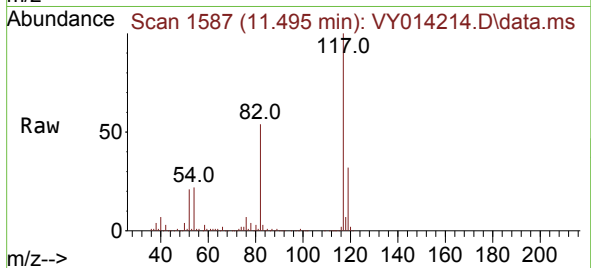
Tgt Ion:117 Resp: 739945

Ion Ratio Lower Upper

117 100

82 53.9 43.4 65.0

119 32.0 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: VY014214.D

Acq: 16 Jun 2023 19:31

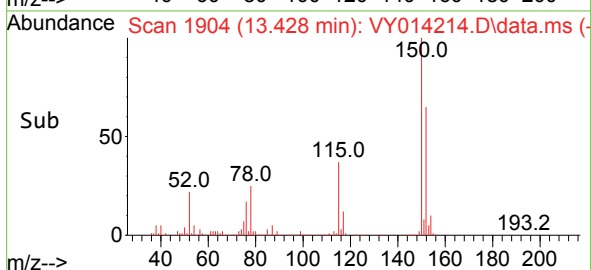
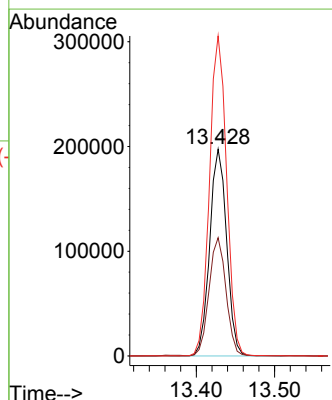
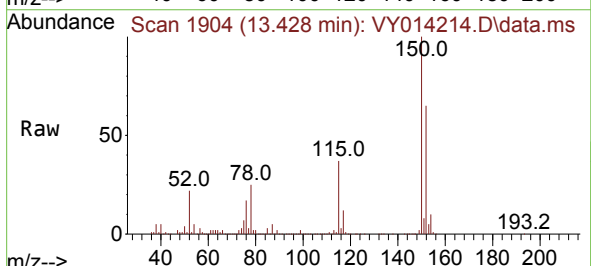
Tgt Ion:152 Resp: 296761

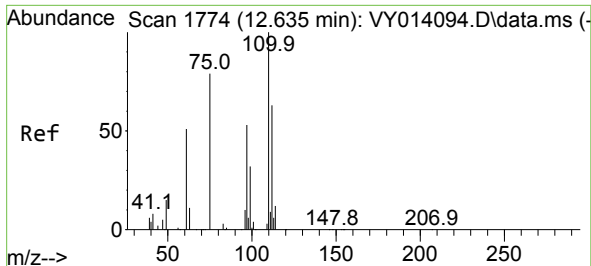
Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 156.5 0.0 348.8

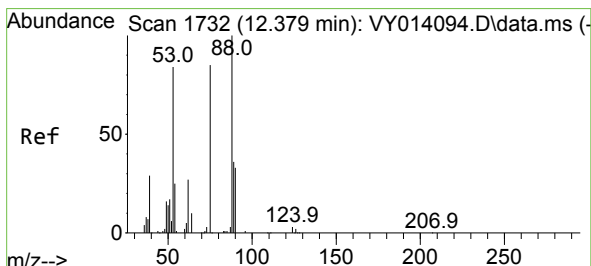
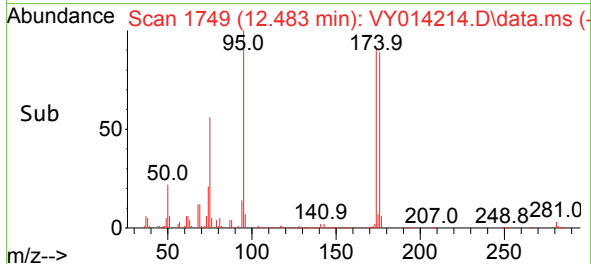
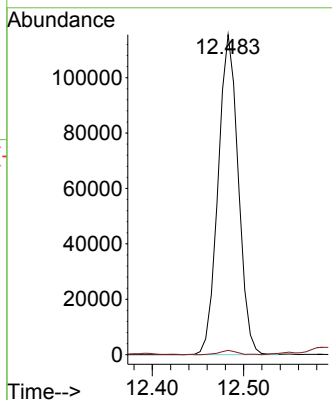
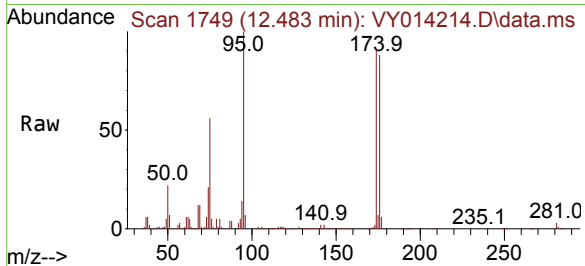




#76
1,2,3-Trichloropropane
Concen: 45.478 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014214.D
Acq: 16 Jun 2023 19:31

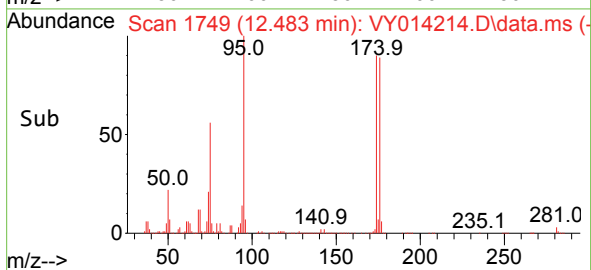
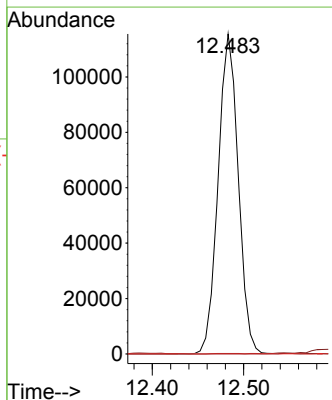
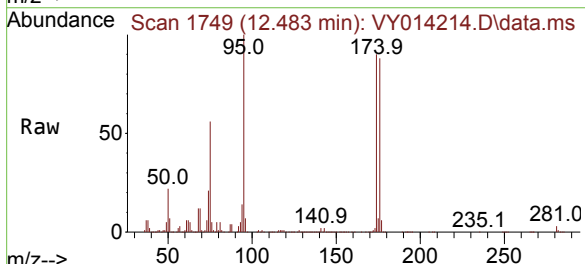
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-6

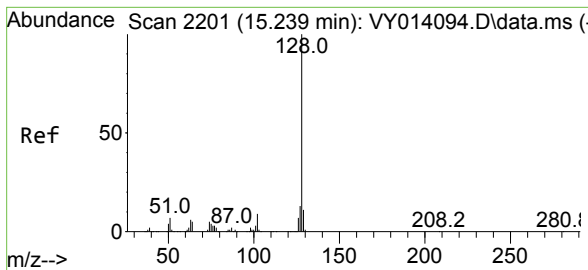
Tgt Ion: 75 Resp: 177066
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.306 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014214.D
Acq: 16 Jun 2023 19:31

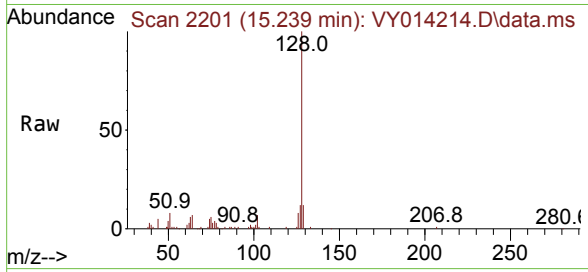
Tgt Ion: 75 Resp: 177066
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 1.460 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.001 min
Lab File: VY014214.D
Acq: 16 Jun 2023 19:31

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-6



Tgt Ion:	128	Resp:	19152
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.8	16.2
129	11.0	8.6	13.0

