

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014189.D
 Acq On : 15 Jun 2023 15:06
 Operator : KP/MD
 Sample : 03222-23RE
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-16-GRAB-6

Quant Time: Jun 16 02:08:57 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)

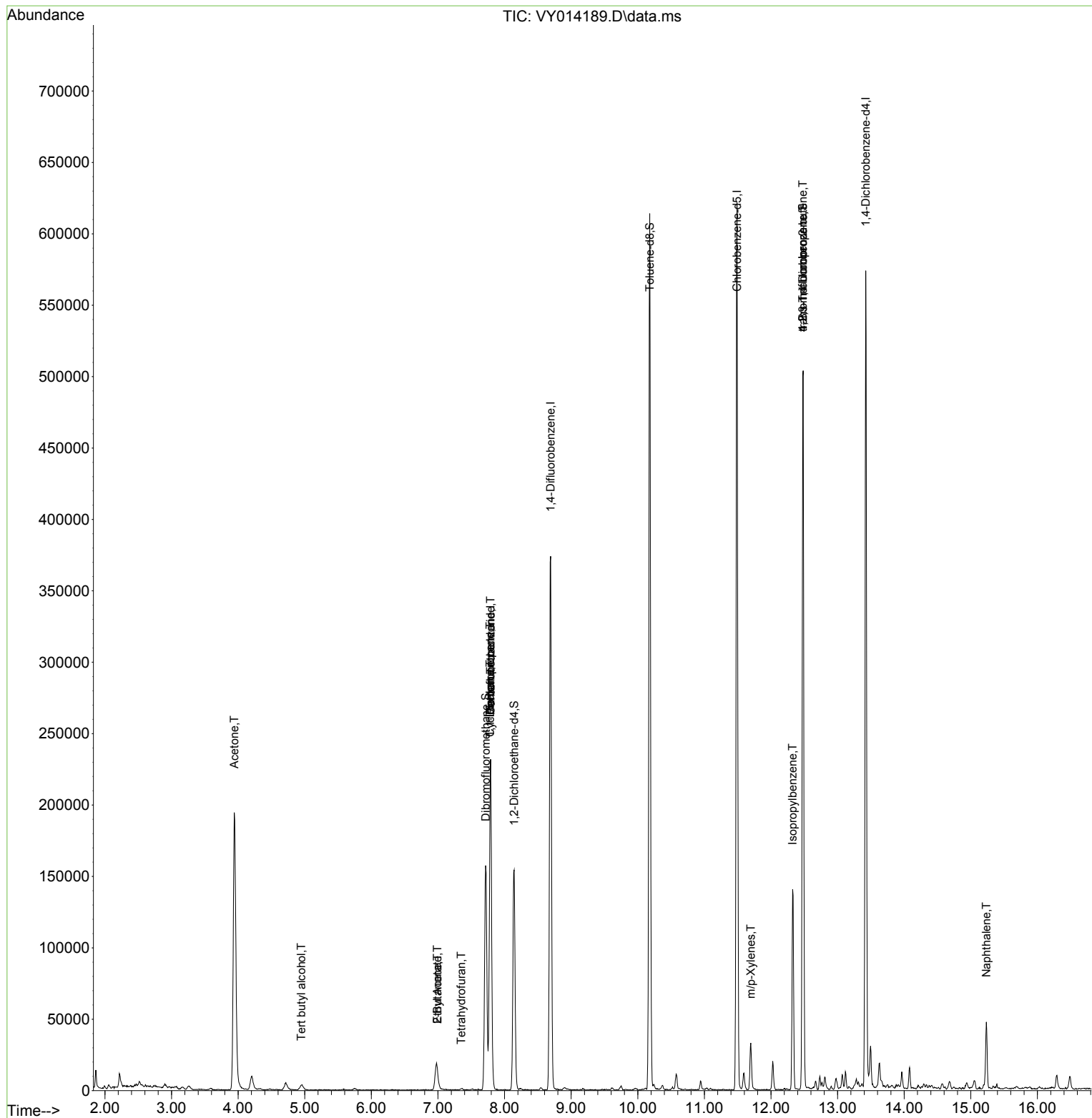
Internal Standards						
1) Pentafluorobenzene	7.789	168	178403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	316941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	328337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	143366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	130040	52.345	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.680%	
35) Dibromofluoromethane	7.716	113	108325	48.194	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.380%	
50) Toluene-d8	10.179	98	392452	46.703	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.400%	
62) 4-Bromofluorobenzene	12.477	95	140068	46.923	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	6540	2.450	ug/l #	77
13) Acrolein	3.741	56	20	Below Cal	#	14
16) Acetone	3.942	43	340134	454.213	ug/l	98
20) Methylene Chloride	4.716	84	3579	Below Cal		88
25) 2-Butanone	6.990	43	4403	4.777	ug/l #	80
29) Tetrahydrofuran	7.350	42	759	1.299	ug/l #	44
31) Cyclohexane	7.783	56	4251	1.277	ug/l #	29
36) 1,1-Dichloropropene	7.783	75	13226	3.774	ug/l #	51
37) Ethyl Acetate	6.990	43	4403	1.821	ug/l #	66
38) Carbon Tetrachloride	7.789	117	17605	4.354	ug/l #	16
68) m/p-Xylenes	11.697	106	8969	1.689	ug/l	98
73) Isopropylbenzene	12.325	105	85012	7.773	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	77744	41.333	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	77744	89.345	ug/l #	11
95) Naphthalene	15.233	128	37397	5.900	ug/l	99

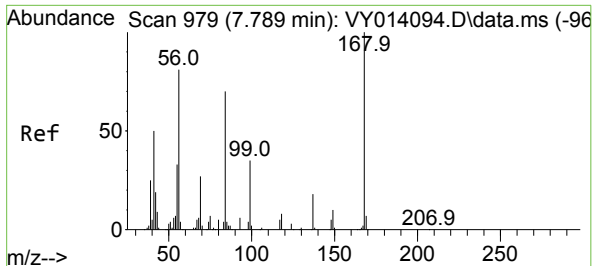
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
Data File : VY014189.D
Acq On : 15 Jun 2023 15:06
Operator : KP/MD
Sample : 03222-23RE
Misc : 5.52g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

Quant Time: Jun 16 02:08:57 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

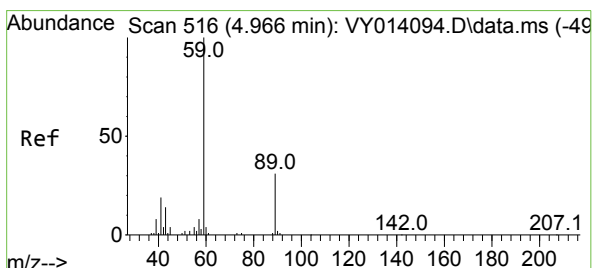
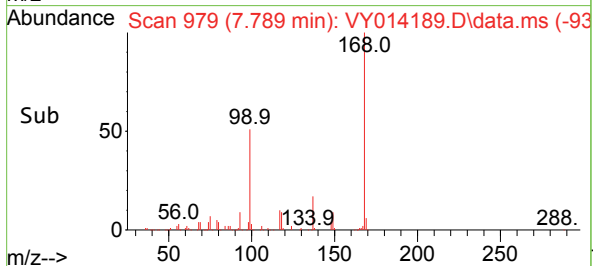
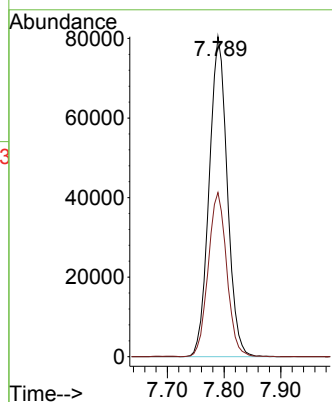
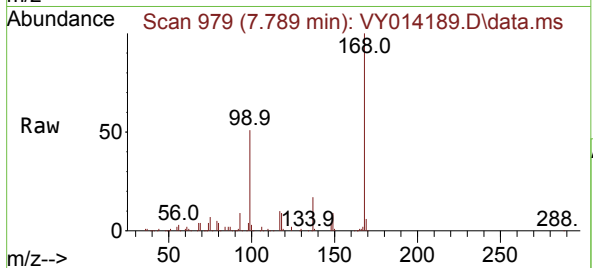




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

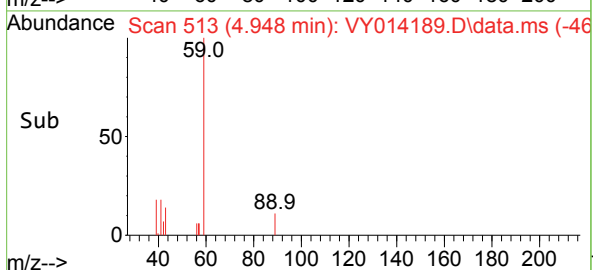
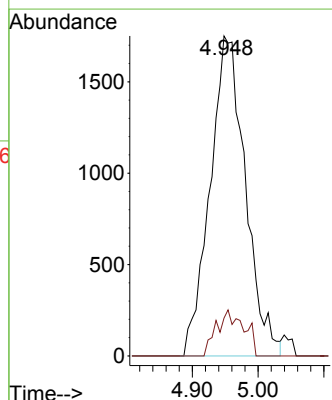
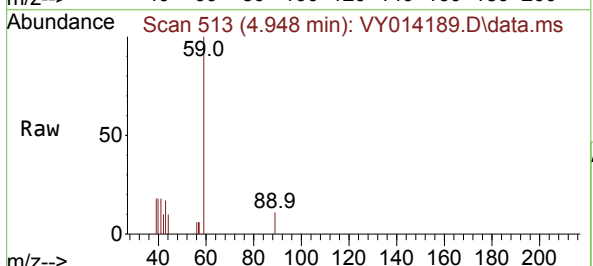
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

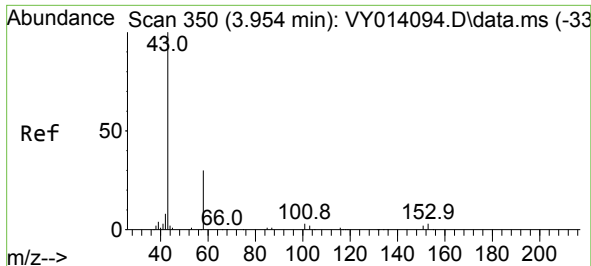
Tgt Ion:168 Resp: 178403
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.450 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

Tgt Ion: 59 Resp: 6540
Ion Ratio Lower Upper
59 100
57 11.1 3.0 4.4#





#16

Acetone

Concen: 454.213 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY014189.D

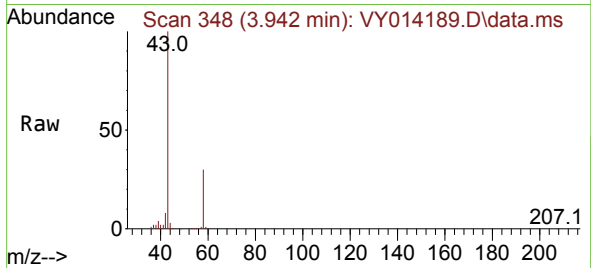
Acq: 15 Jun 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-16-GRAB-6

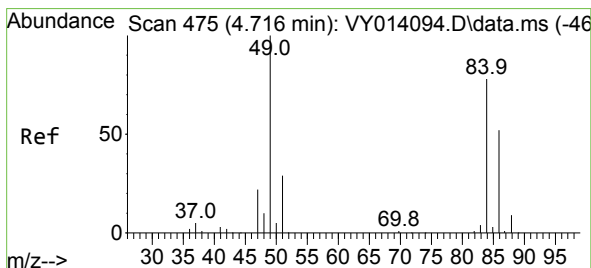
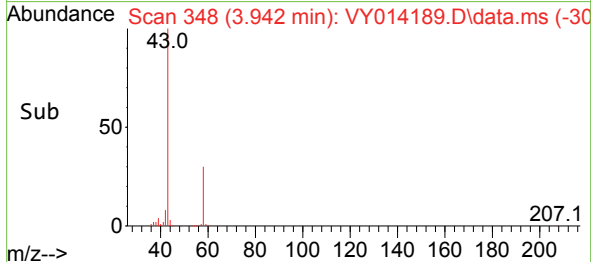
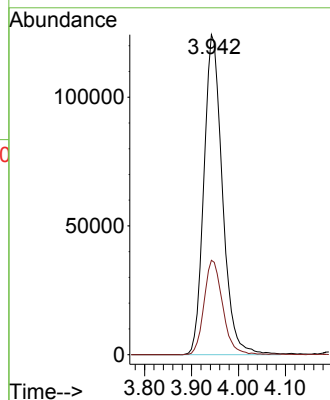


Tgt Ion: 43 Resp: 340134

Ion Ratio Lower Upper

43 100

58 29.5 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY014189.D

Acq: 15 Jun 2023 15:06

Tgt Ion: 84 Resp: 3579

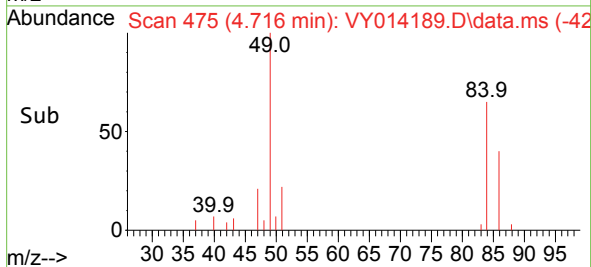
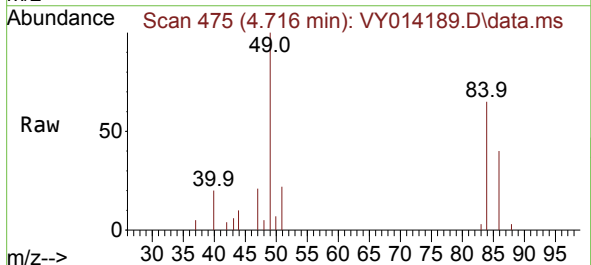
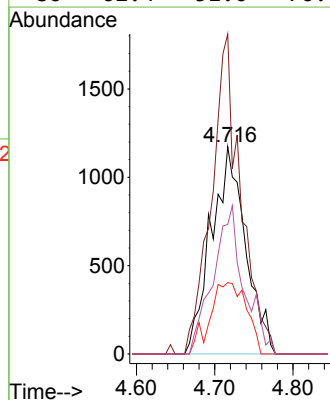
Ion Ratio Lower Upper

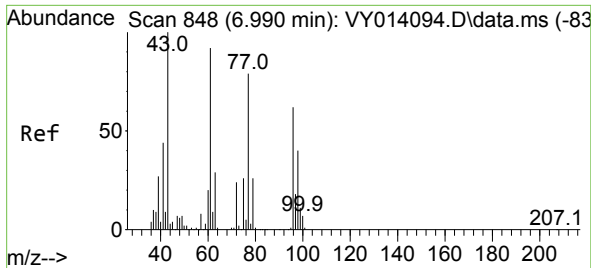
84 100

49 154.3 106.9 160.3

51 34.4 33.2 49.8

86 62.4 51.0 76.6

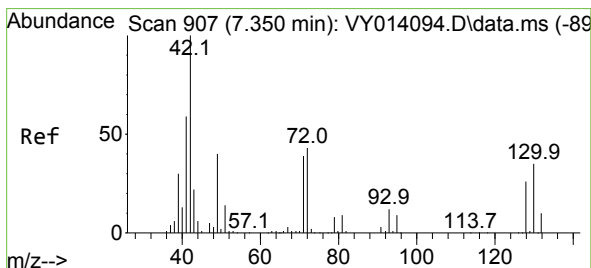
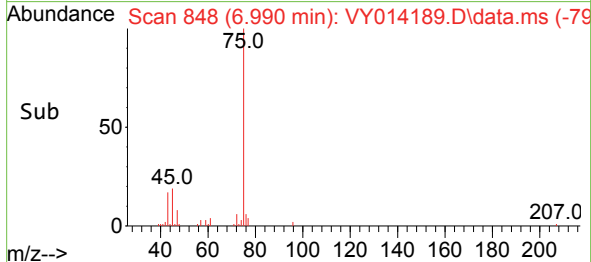
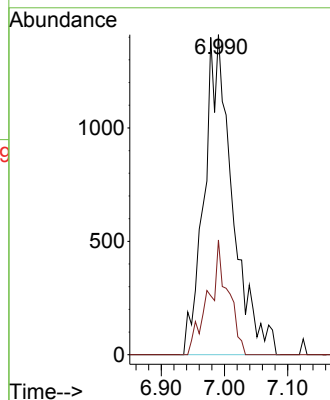
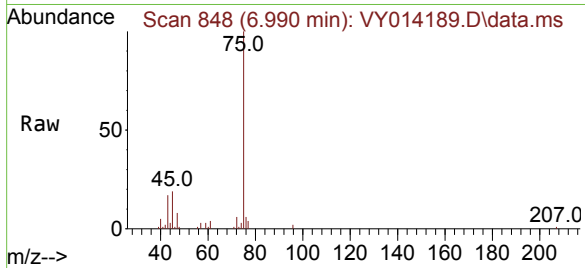




#25
2-Butanone
Concen: 4.777 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

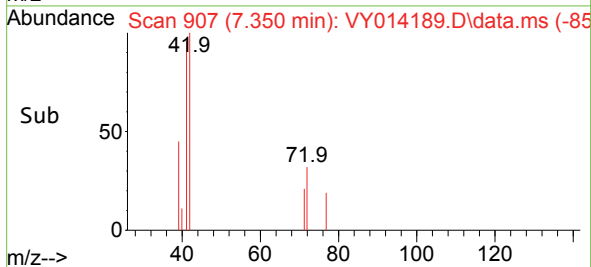
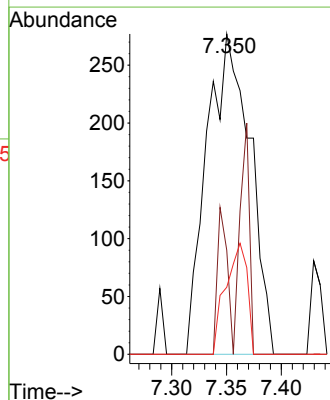
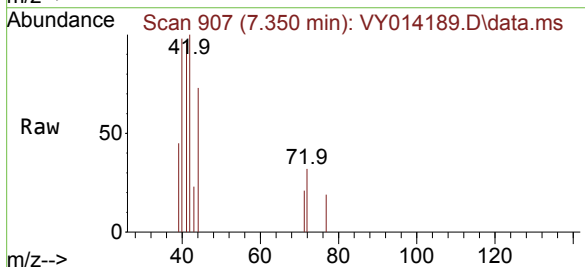
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

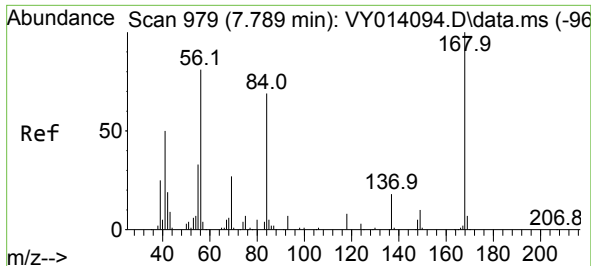
Tgt Ion: 43 Resp: 4403
Ion Ratio Lower Upper
43 100
72 35.9 20.5 30.7#



#29
Tetrahydrofuran
Concen: 1.299 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

Tgt Ion: 42 Resp: 759
Ion Ratio Lower Upper
42 100
72 10.4 32.8 49.2#
71 0.0 31.0 46.4#

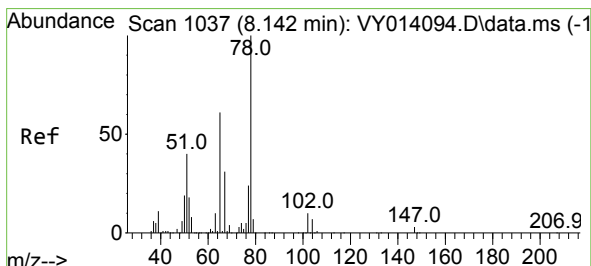
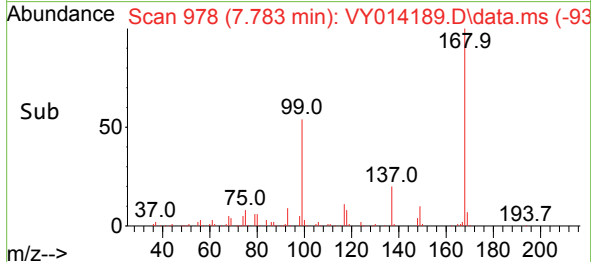
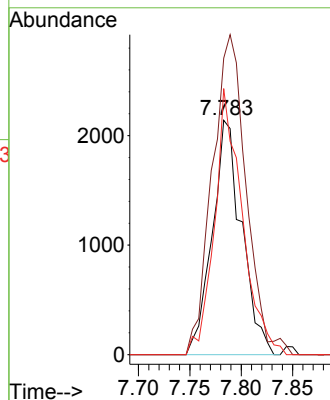
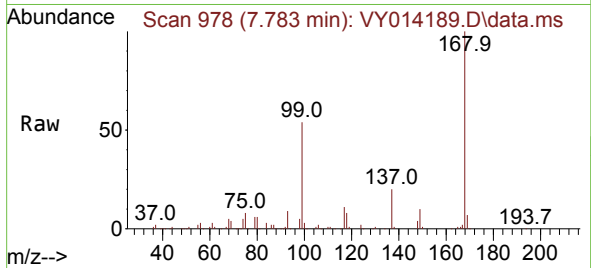




#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

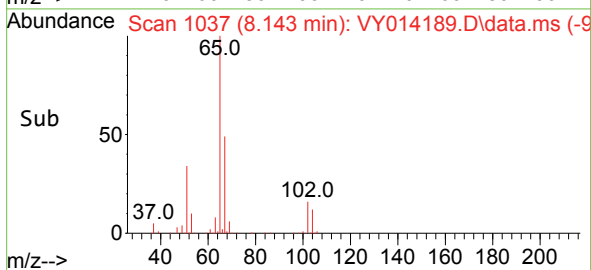
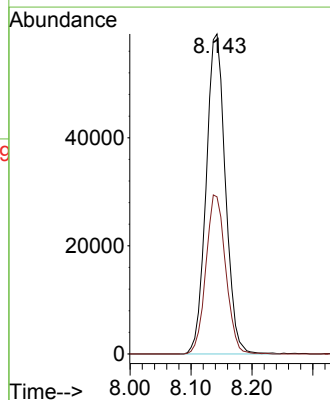
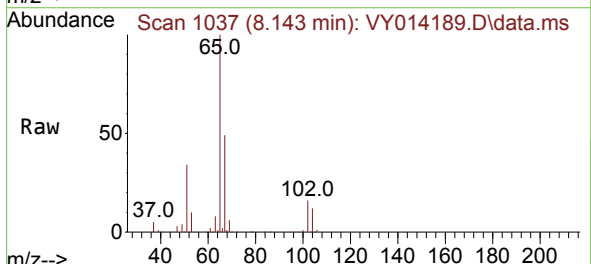
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

Tgt Ion: 56 Resp: 4251
Ion Ratio Lower Upper
56 100
69 126.4 27.8 41.6#
84 113.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 52.345 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

Tgt Ion: 65 Resp: 130040
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.8

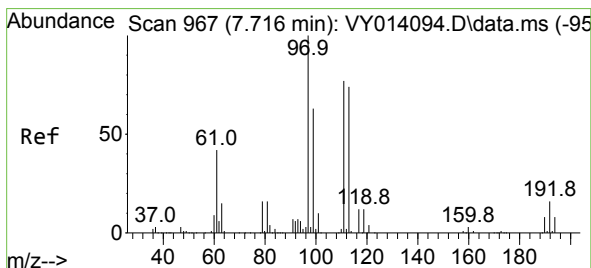
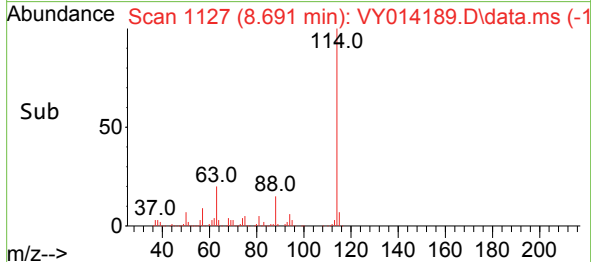
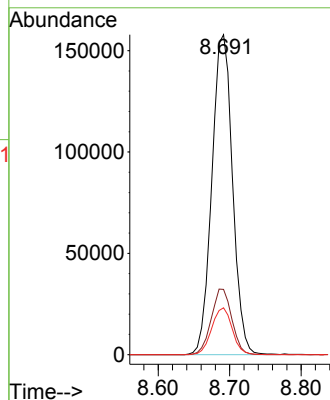
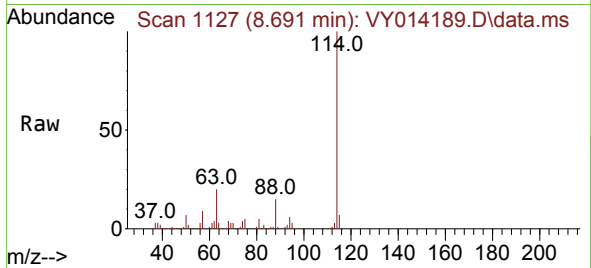




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

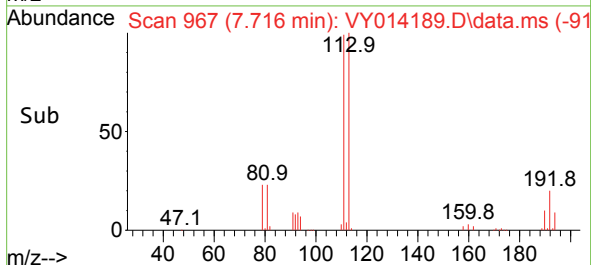
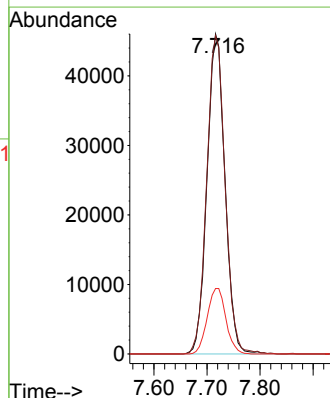
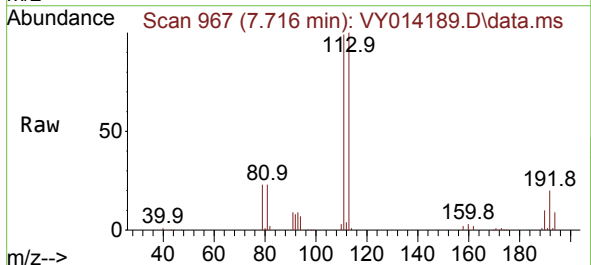
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

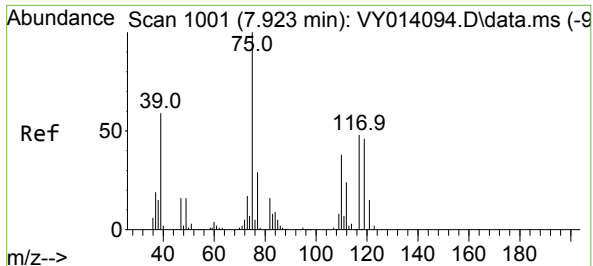
Tgt Ion:	114	Resp:	316941
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.4
88	14.6	0.0	30.6



#35
Dibromofluoromethane
Concen: 48.194 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

Tgt Ion:	113	Resp:	108325
Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.3	121.9
192	21.3	16.9	25.3

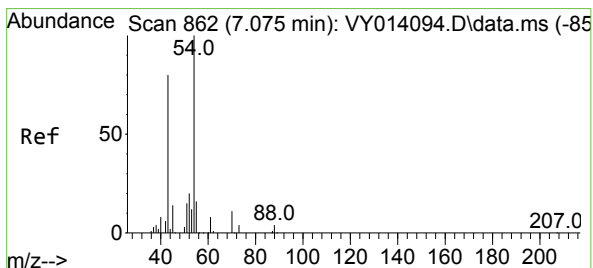
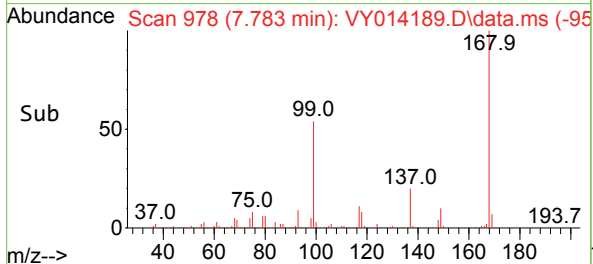
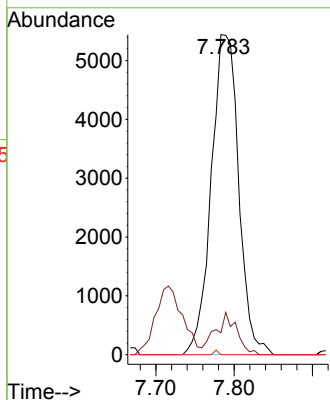
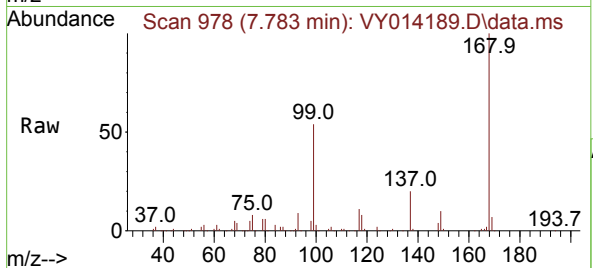




#36
1,1-Dichloropropene
Concen: 3.774 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

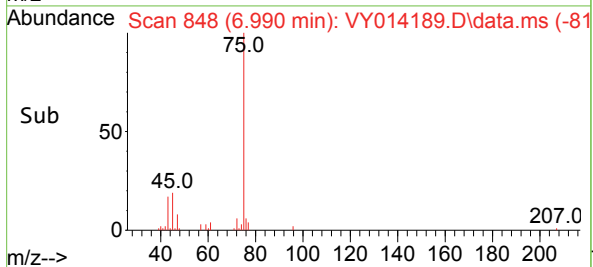
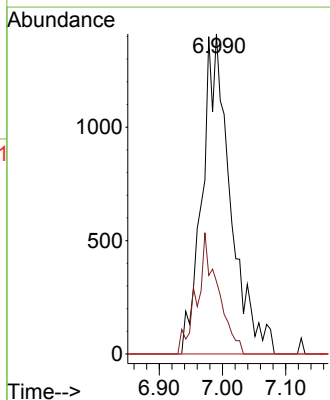
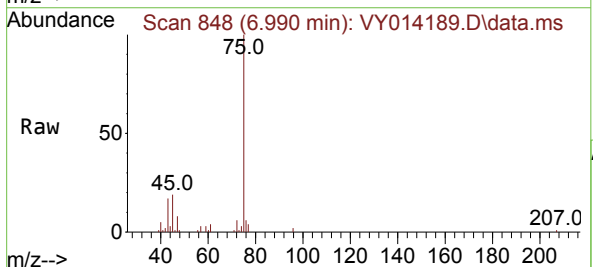
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

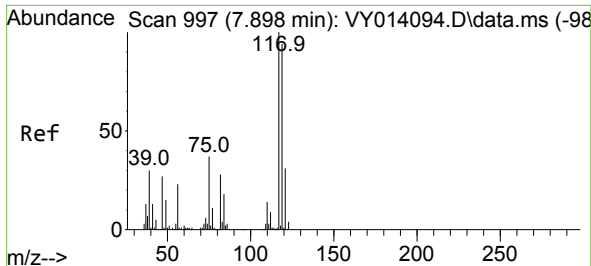
Tgt Ion: 75 Resp: 13226
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.2 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.821 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.085 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

Tgt Ion: 43 Resp: 4403
Ion Ratio Lower Upper
43 100
61 28.3 10.1 15.1#
70 0.0 7.1 10.7#

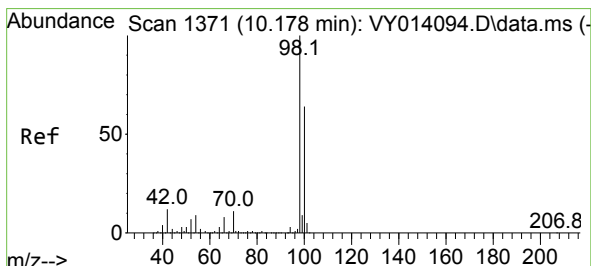
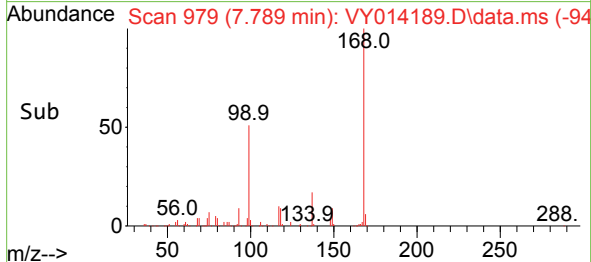
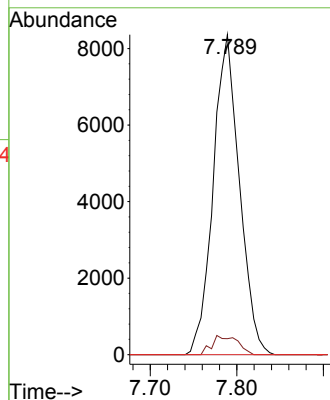
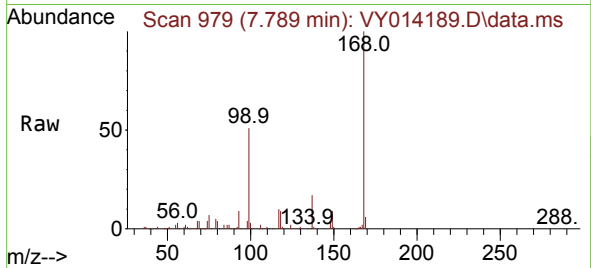




#38
Carbon Tetrachloride
Concen: 4.354 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

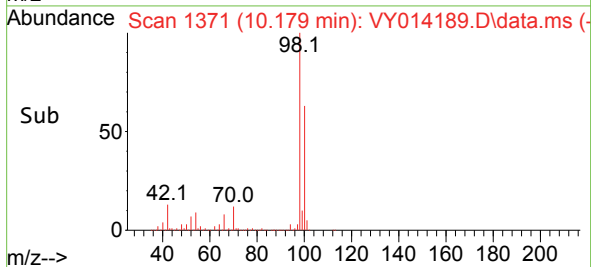
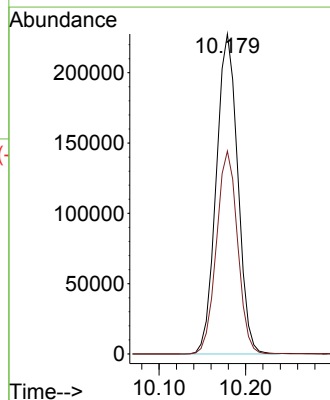
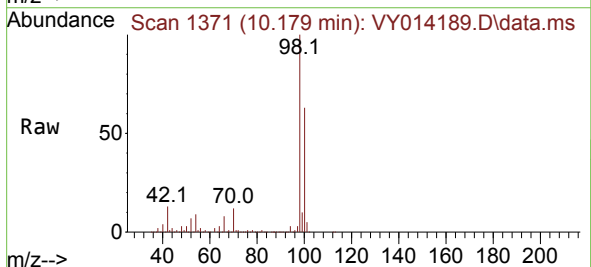
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

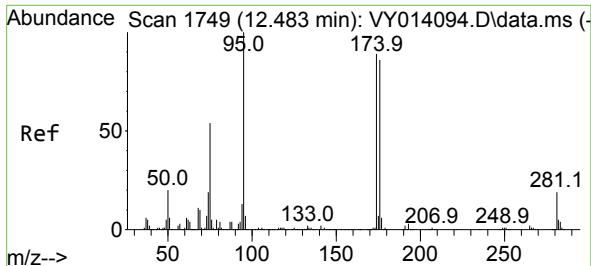
Tgt Ion:117 Resp: 17605
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.703 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

Tgt Ion: 98 Resp: 392452
Ion Ratio Lower Upper
98 100
100 62.3 50.1 75.1

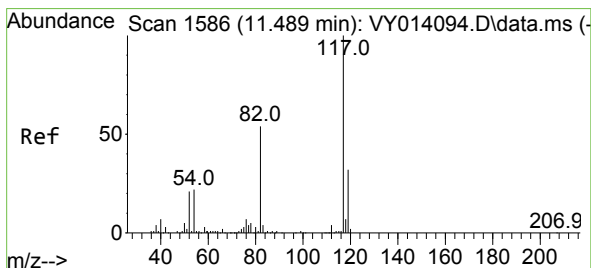
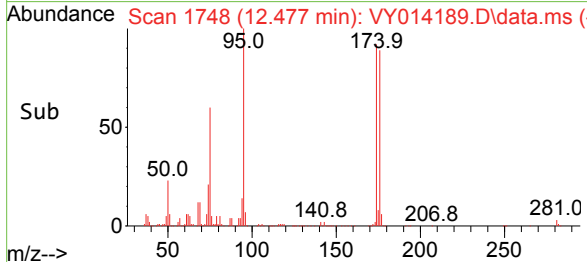
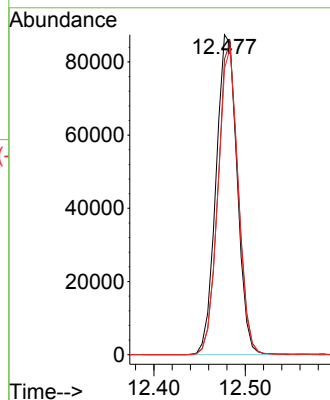
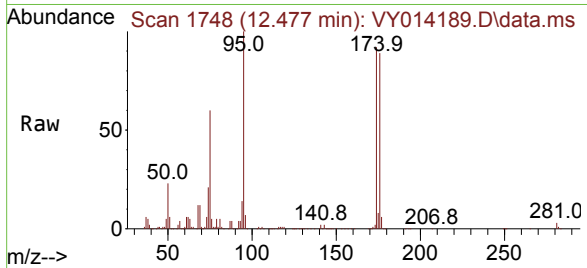




#62
4-Bromofluorobenzene
Concen: 46.923 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

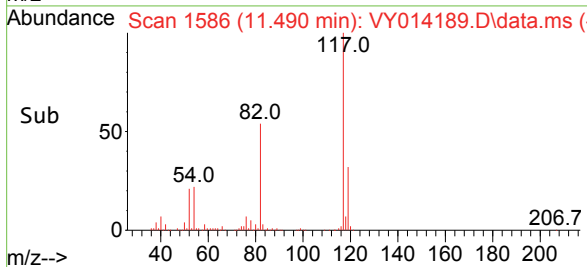
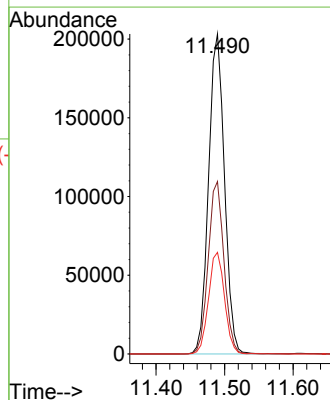
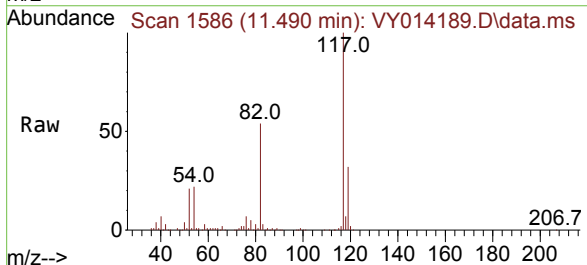
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

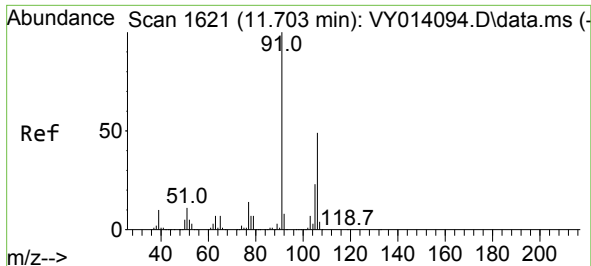
Tgt Ion: 95 Resp: 140068
Ion Ratio Lower Upper
95 100
174 93.0 0.0 178.2
176 91.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

Tgt Ion: 117 Resp: 328337
Ion Ratio Lower Upper
117 100
82 53.9 43.4 65.0
119 31.8 26.3 39.5

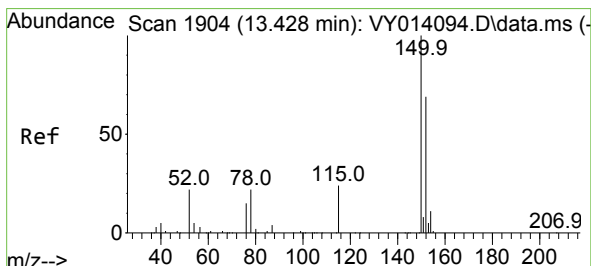
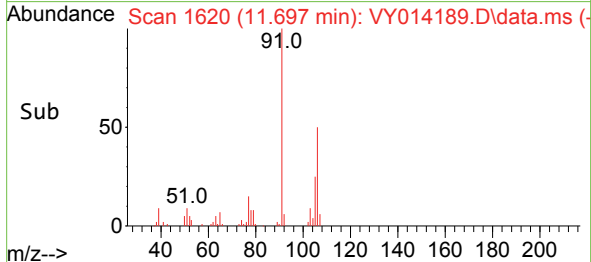
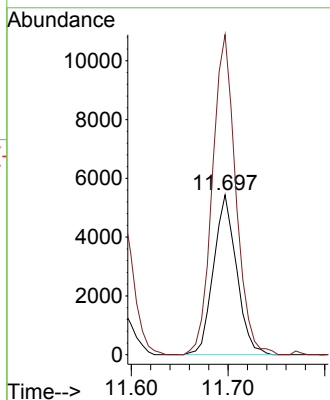
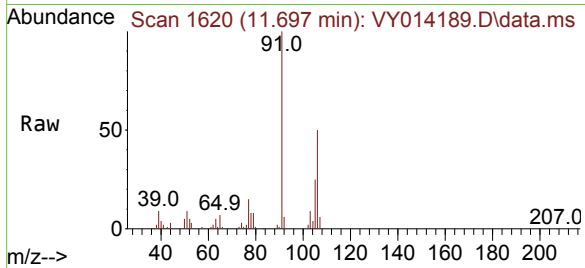




#68
m/p-Xylenes
Concen: 1.689 ug/l
RT: 11.697 min Scan# 106
Delta R.T. -0.006 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

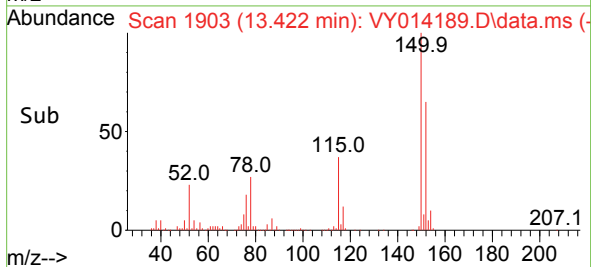
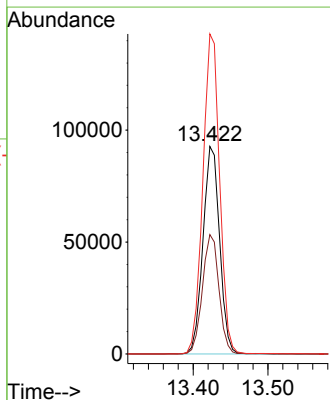
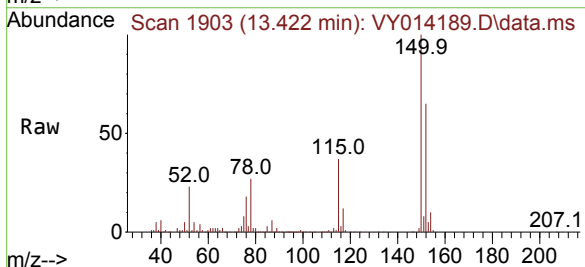
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

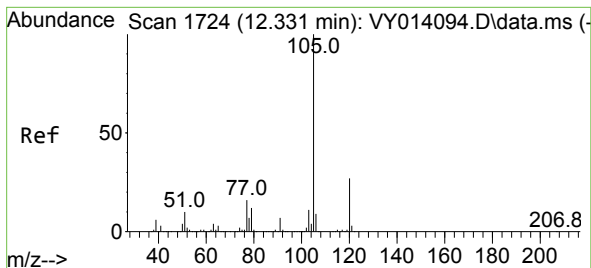
Tgt Ion:106 Resp: 8969
Ion Ratio Lower Upper
106 100
91 203.9 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

Tgt Ion:152 Resp: 143366
Ion Ratio Lower Upper
152 100
115 57.3 28.8 86.5
150 155.2 0.0 348.8





#73

Isopropylbenzene

Concen: 7.773 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.006 min

Lab File: VY014189.D

Acq: 15 Jun 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

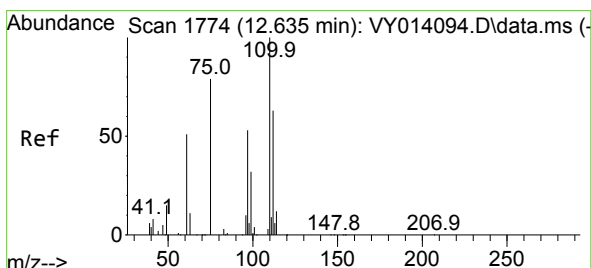
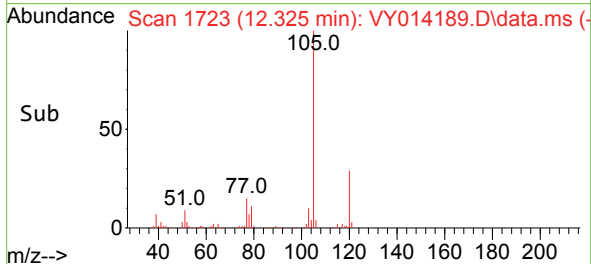
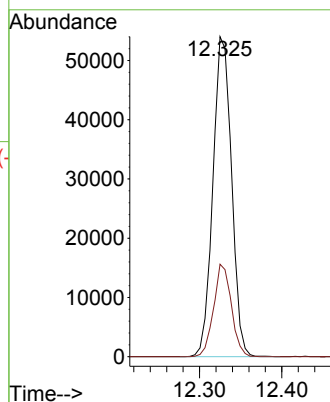
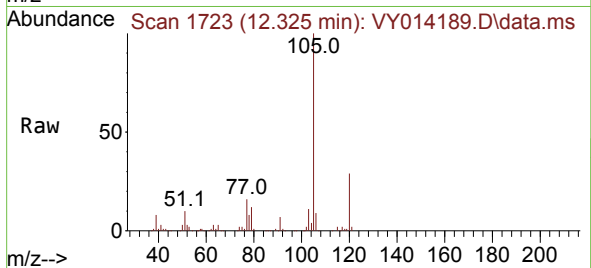
TOTAL-VOC-SB-16-GRAB-6

Tgt Ion:105 Resp: 85012

Ion Ratio Lower Upper

105 100

120 27.5 13.3 39.9



#76

1,2,3-Trichloropropane

Concen: 41.333 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014189.D

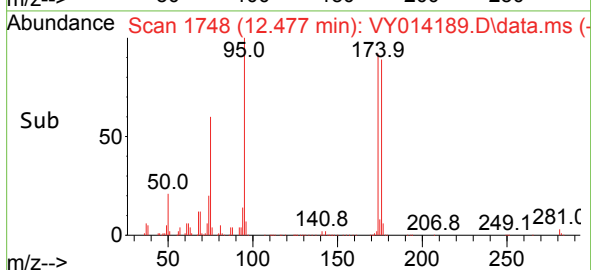
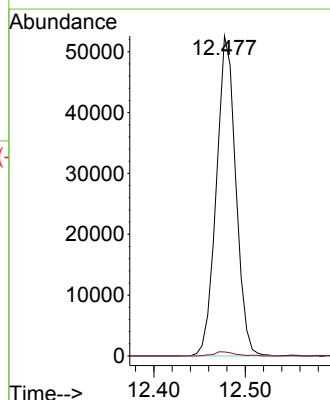
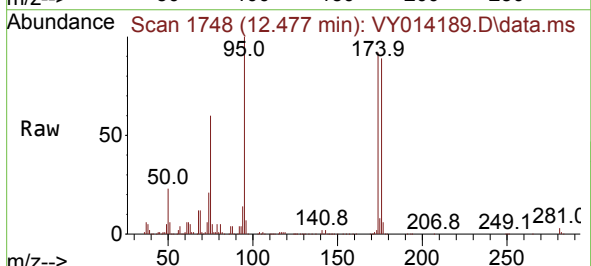
Acq: 15 Jun 2023 15:06

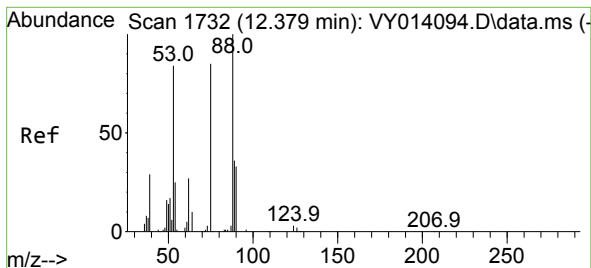
Tgt Ion: 75 Resp: 77744

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

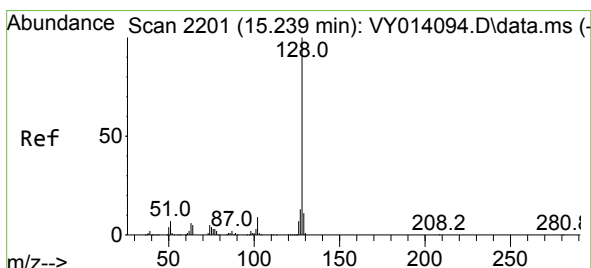
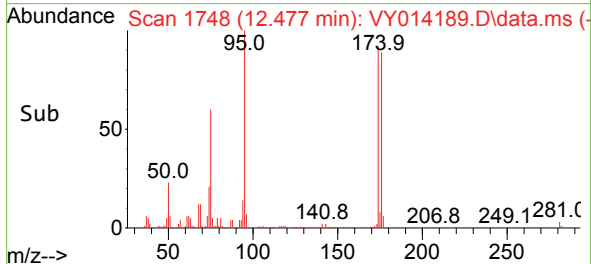
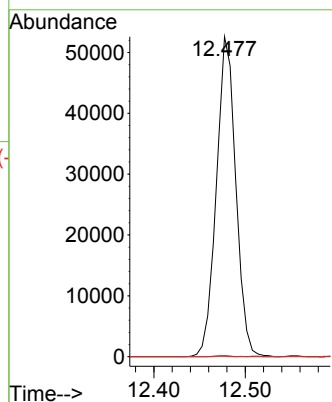
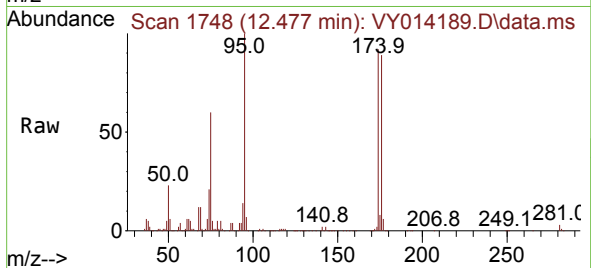




#81
trans-1,4-Dichloro-2-butene
Concen: 89.345 ug/l
RT: 12.477 min Scan# 1732
Delta R.T. 0.098 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

Tgt Ion: 75 Resp: 77744
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 5.900 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

Tgt Ion: 128 Resp: 37397
Ion Ratio Lower Upper
128 100
127 13.9 10.8 16.2
129 11.1 8.6 13.0

