

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014193.D
 Acq On : 15 Jun 2023 16:39
 Operator : KP/MD
 Sample : 03223-17
 Misc : 13.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-11-GRAB-6

Quant Time: Jun 16 02:10:24 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)

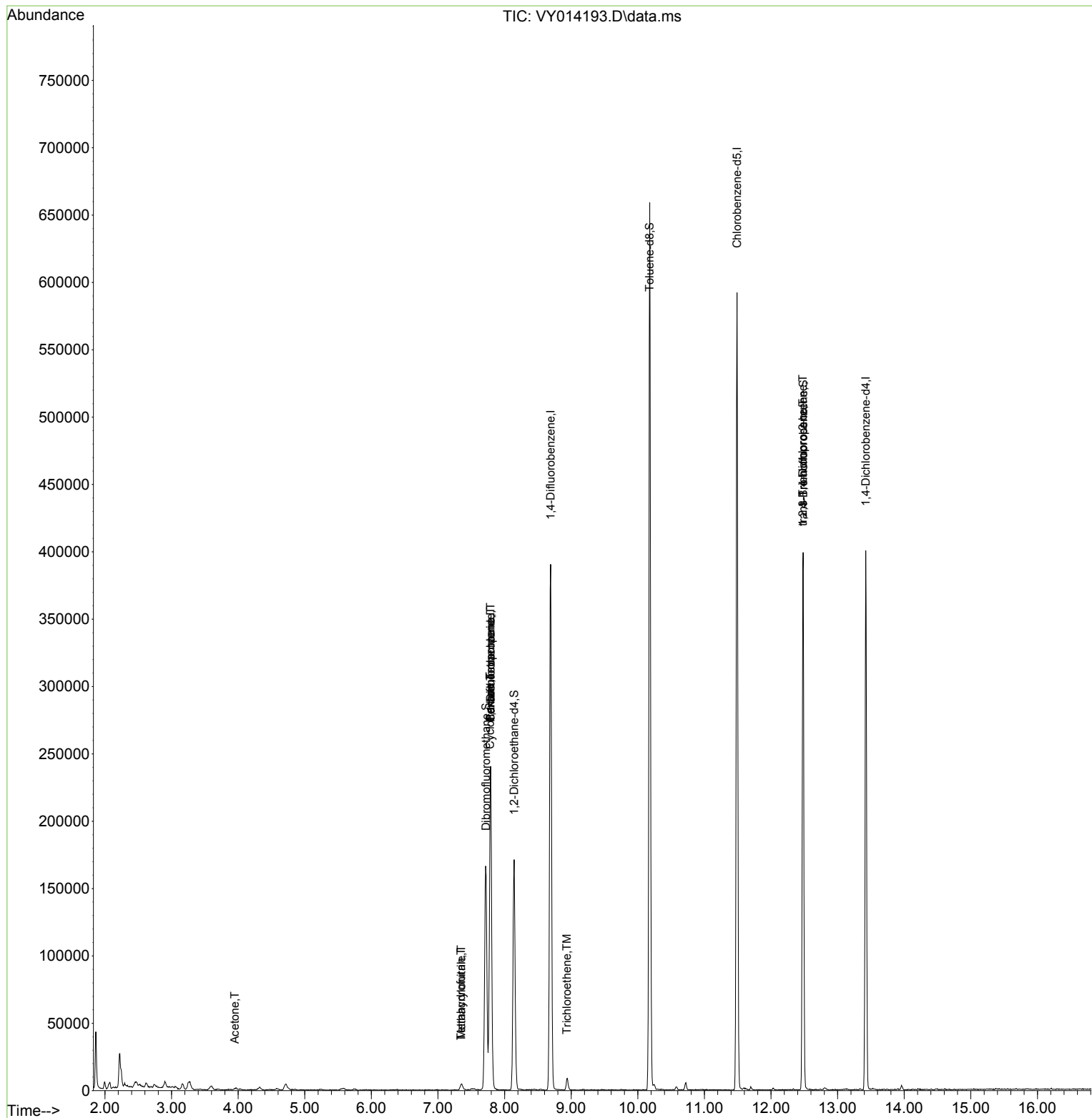
Internal Standards						
1) Pentafluorobenzene	7.789	168	184113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	329932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	312281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	102034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	137717	53.716	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.440%	
35) Dibromofluoromethane	7.722	113	114055	48.746	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.500%	
50) Toluene-d8	10.179	98	407695	46.607	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.220%	
62) 4-Bromofluorobenzene	12.483	95	114173	36.742	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 73.480%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.972	59	64	Below Cal	#	89
13) Acrolein	3.594	56	23	Below Cal	#	1
16) Acetone	3.948	43	1601	2.072	ug/l #	76
20) Methylene Chloride	4.716	84	3232	Below Cal	#	81
29) Tetrahydrofuran	7.344	42	3398	5.633	ug/l	98
31) Cyclohexane	7.783	56	4358	1.269	ug/l #	38
36) 1,1-Dichloropropene	7.789	75	14065	3.856	ug/l #	46
38) Carbon Tetrachloride	7.789	117	18887	4.487	ug/l #	16
41) Methacrylonitrile	7.350	41	2324	1.809	ug/l #	44
44) Trichloroethene	8.935	130	3316	1.144	ug/l	69
76) 1,2,3-Trichloropropane	12.477	75	62548	46.724	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62548	101.000	ug/l #	11

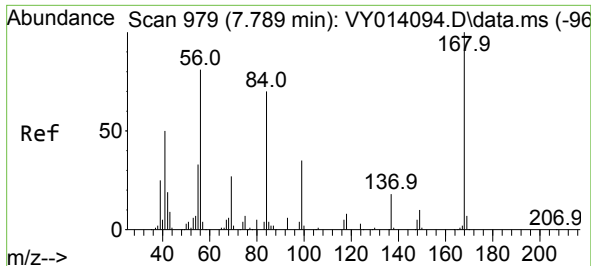
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
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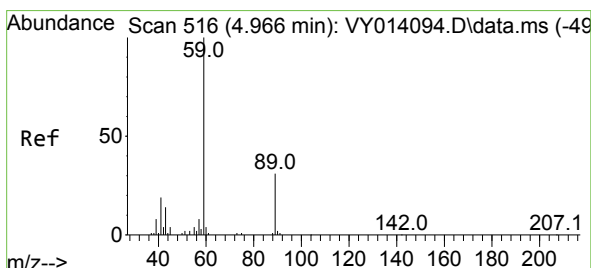
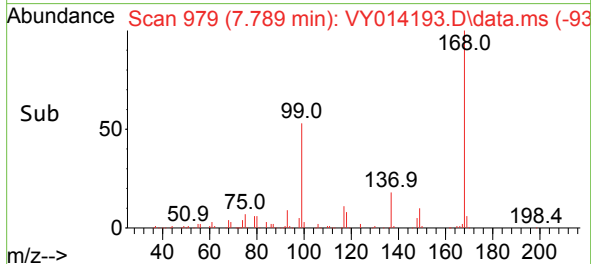
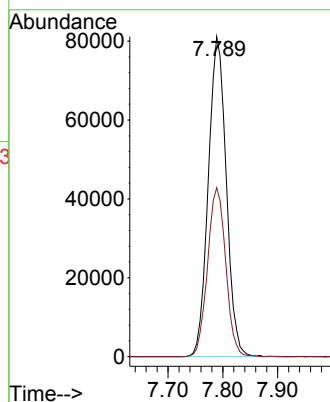
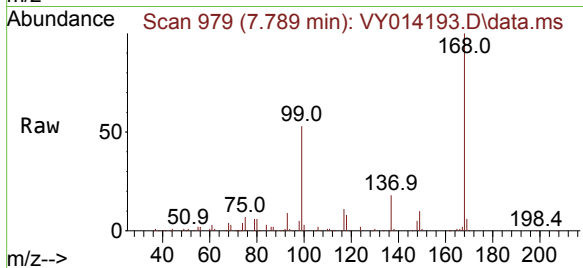




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014193.D
Acq: 15 Jun 2023 16:39

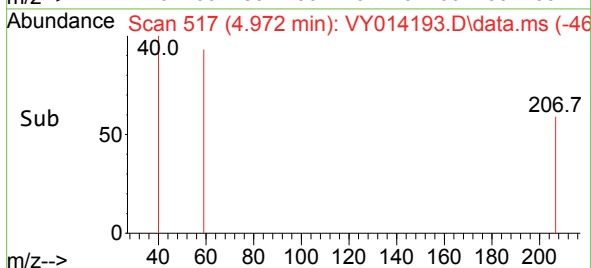
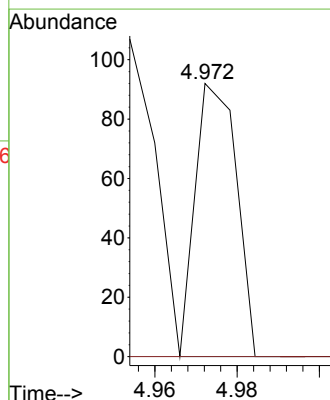
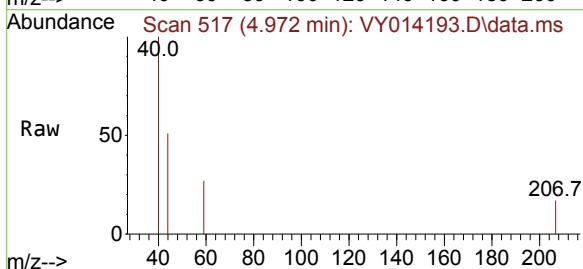
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-11-GRAB-6

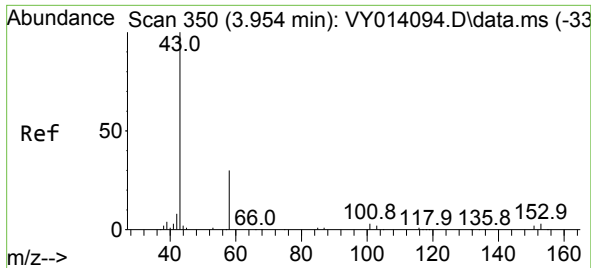
Tgt Ion:168 Resp: 184113
Ion Ratio Lower Upper
168 100
99 52.8 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014193.D
Acq: 15 Jun 2023 16:39

Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 2.072 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY014193.D

Acq: 15 Jun 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

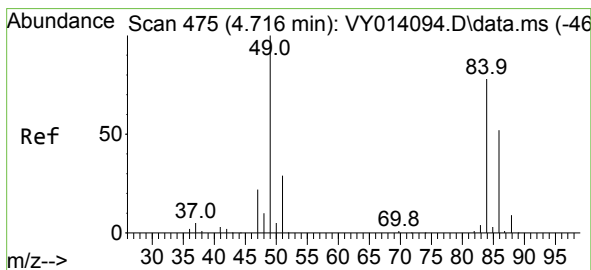
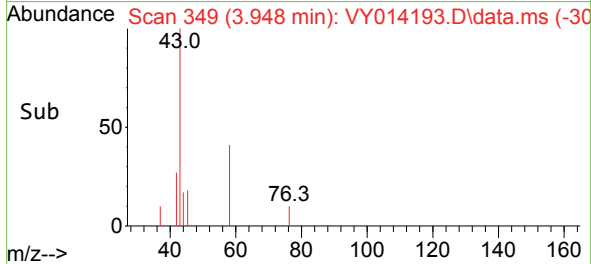
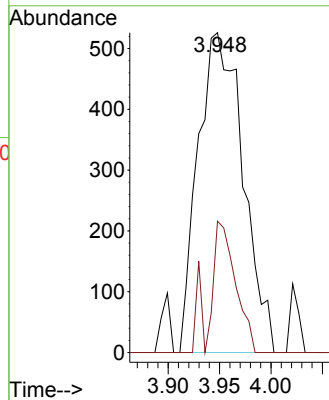
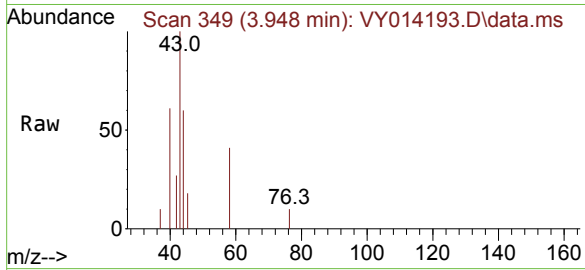
TOTAL-VOC-SB-11-GRAB-6

Tgt Ion: 43 Resp: 1601

Ion Ratio Lower Upper

43 100

58 41.1 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY014193.D

Acq: 15 Jun 2023 16:39

Tgt Ion: 84 Resp: 3232

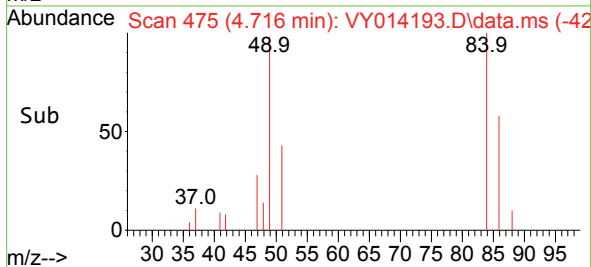
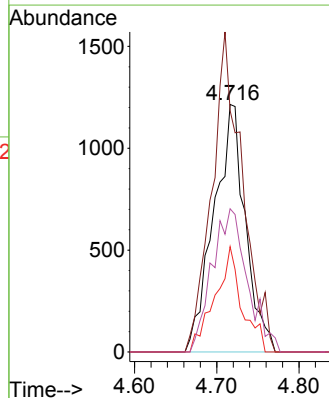
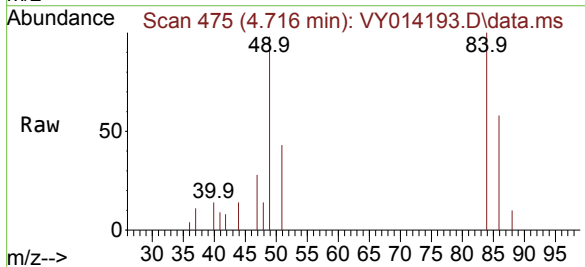
Ion Ratio Lower Upper

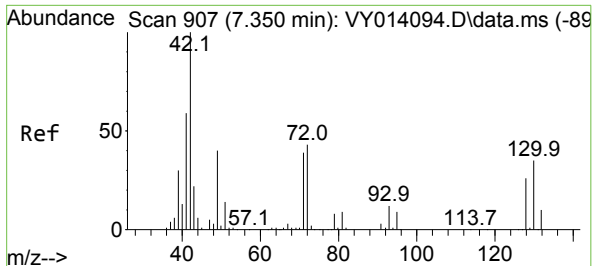
84 100

49 97.5 106.9 160.3#

51 42.6 33.2 49.8

86 57.9 51.0 76.6





#29

Tetrahydrofuran

Concen: 5.633 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY014193.D

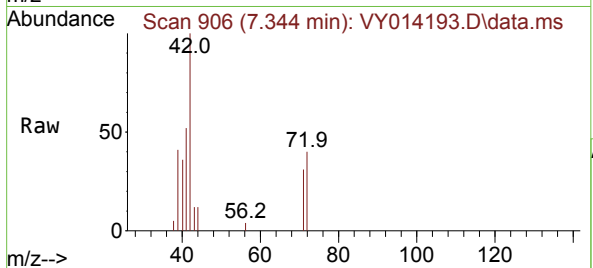
Acq: 15 Jun 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-11-GRAB-6



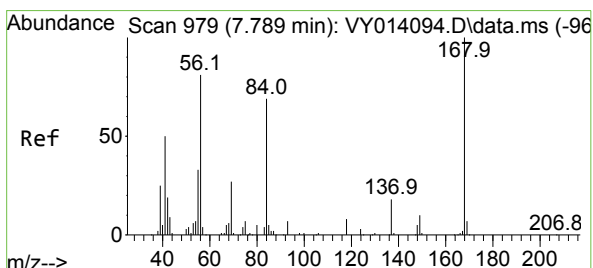
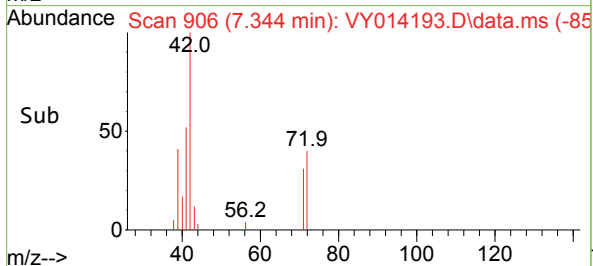
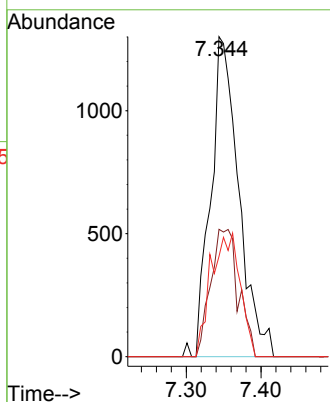
Tgt Ion: 42 Resp: 3398

Ion Ratio Lower Upper

42 100

72 39.4 32.8 49.2

71 40.0 31.0 46.4



#31

Cyclohexane

Concen: 1.269 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY014193.D

Acq: 15 Jun 2023 16:39

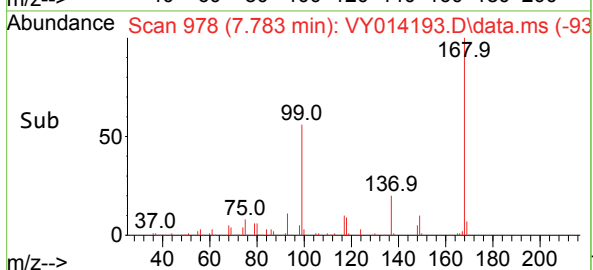
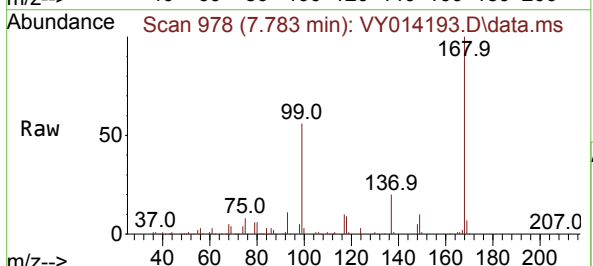
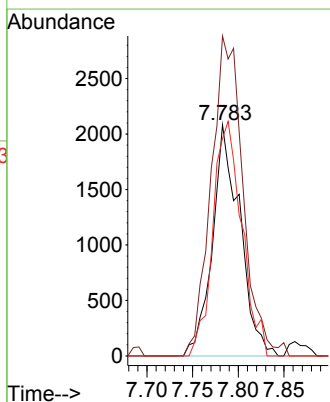
Tgt Ion: 56 Resp: 4358

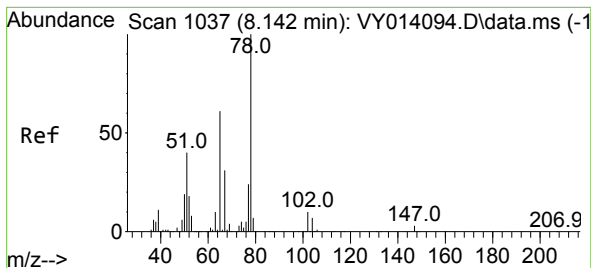
Ion Ratio Lower Upper

56 100

69 138.5 27.8 41.6#

84 94.1 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 53.716 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY014193.D

Acq: 15 Jun 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

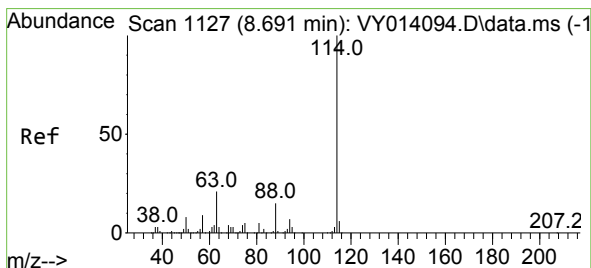
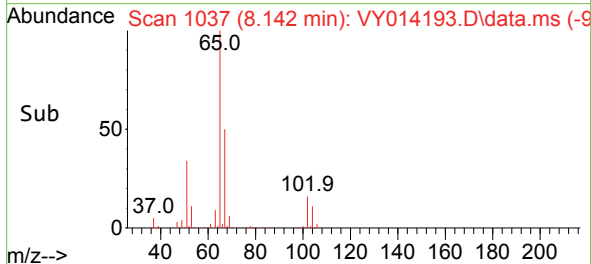
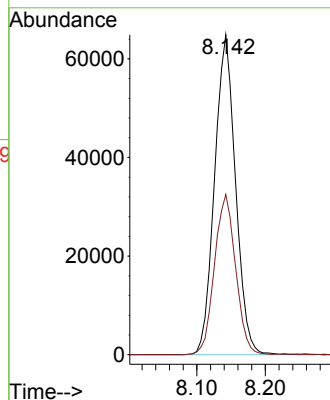
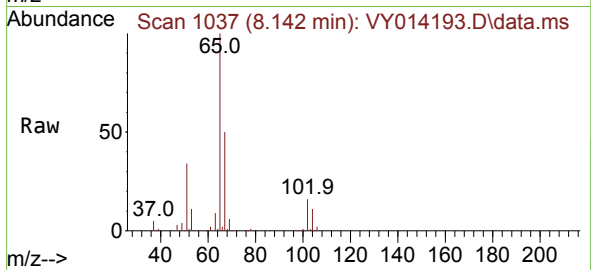
TOTAL-VOC-SB-11-GRAB-6

Tgt Ion: 65 Resp: 137717

Ion Ratio Lower Upper

65 100

67 50.6 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: VY014193.D

Acq: 15 Jun 2023 16:39

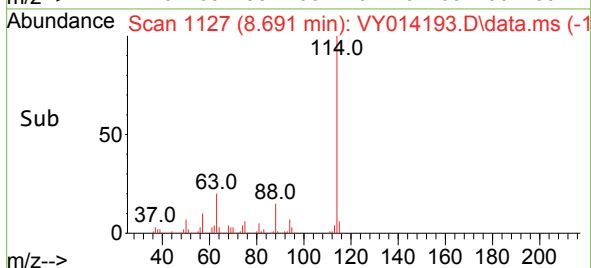
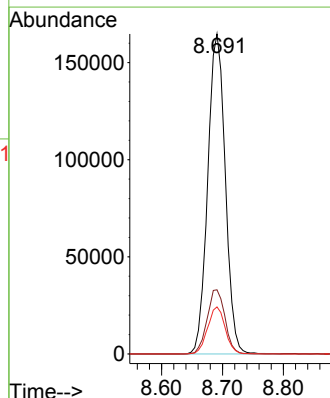
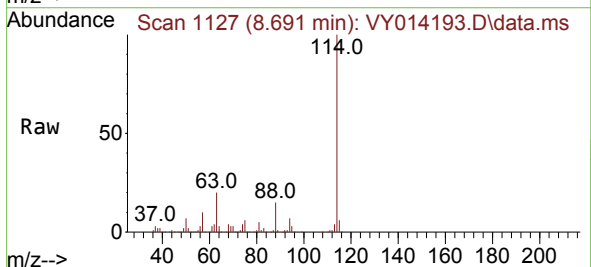
Tgt Ion: 114 Resp: 329932

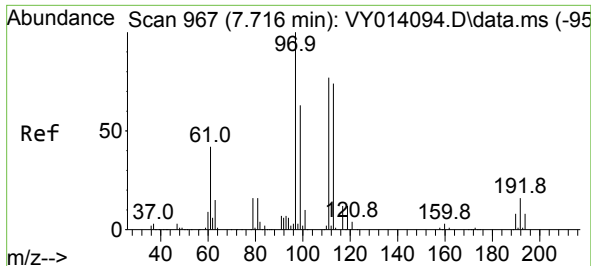
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

88 14.7 0.0 30.6

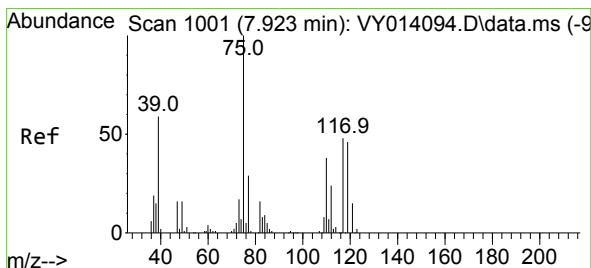
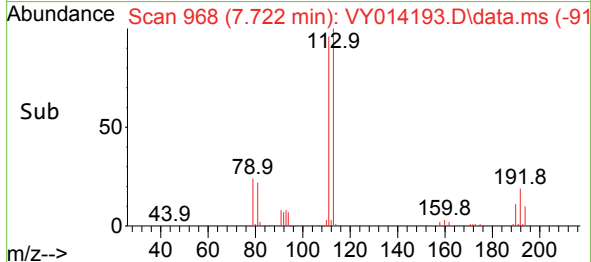
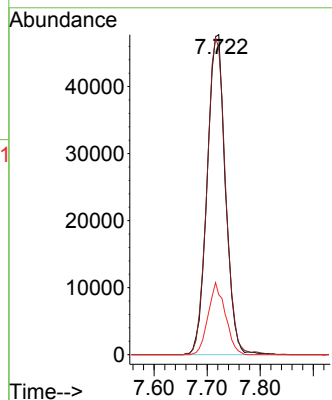
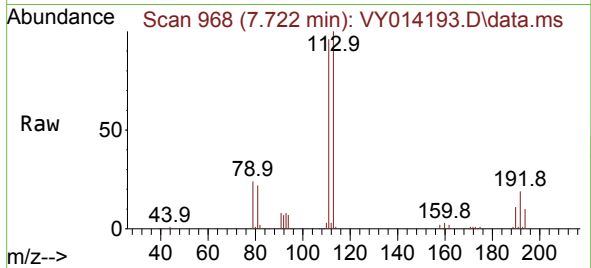




#35
Dibromofluoromethane
Concen: 48.746 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY014193.D
Acq: 15 Jun 2023 16:39

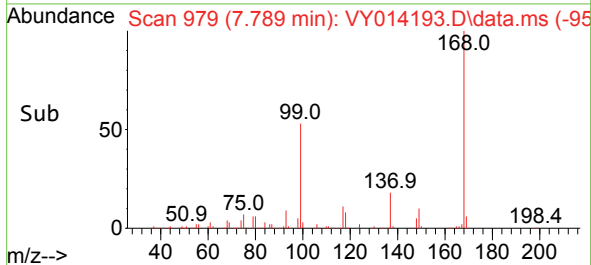
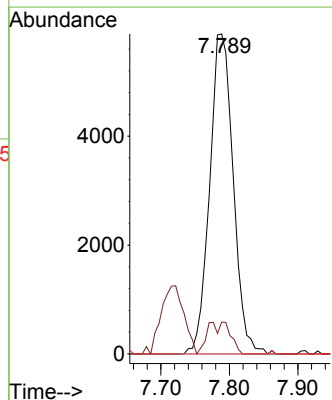
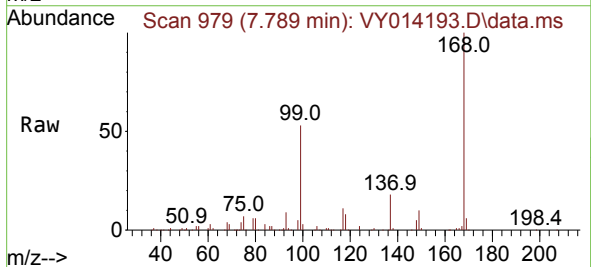
Instrument :
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TOTAL-VOC-SB-11-GRAB-6

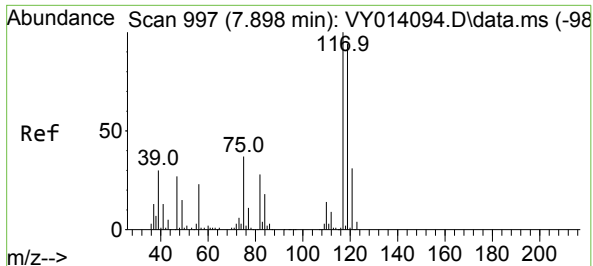
Tgt Ion:113 Resp: 114055
Ion Ratio Lower Upper
113 100
111 100.7 81.3 121.9
192 21.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.856 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014193.D
Acq: 15 Jun 2023 16:39

Tgt Ion: 75 Resp: 14065
Ion Ratio Lower Upper
75 100
110 4.9 17.8 53.5#
77 0.0 24.4 36.6#

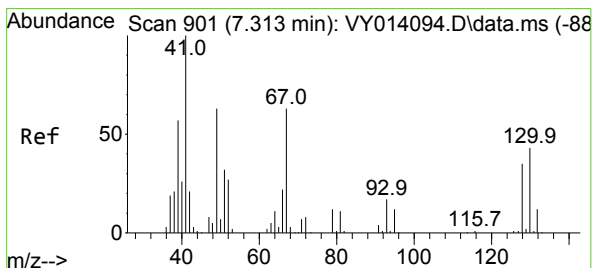
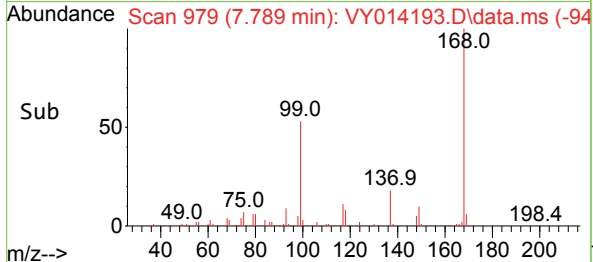
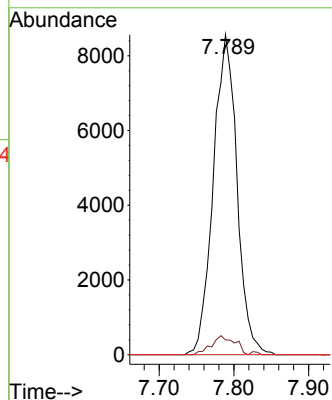
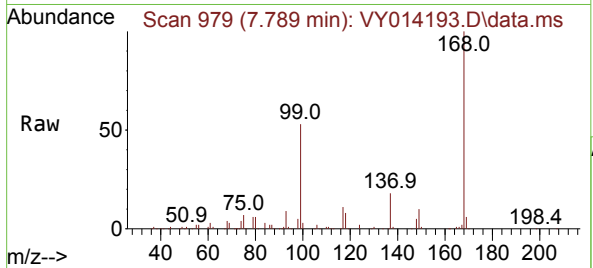




#38
Carbon Tetrachloride
Concen: 4.487 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014193.D
Acq: 15 Jun 2023 16:39

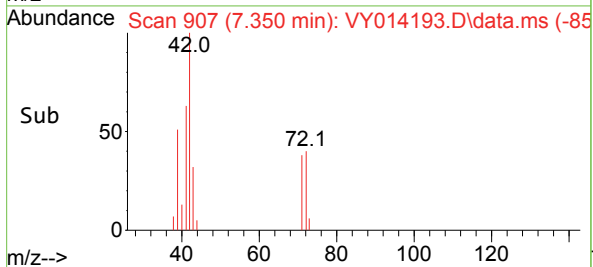
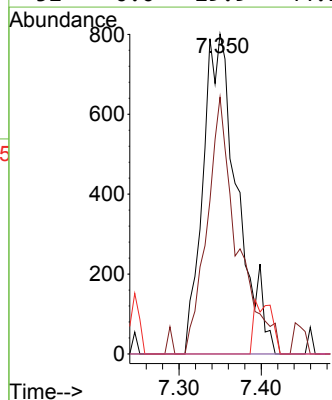
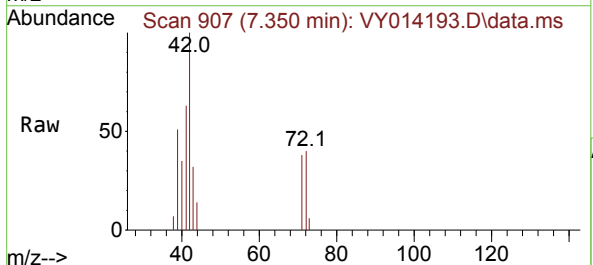
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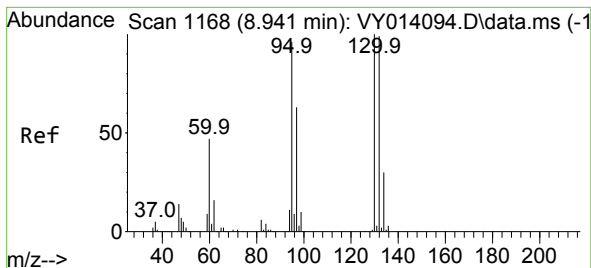
Tgt Ion:117 Resp: 18887
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.809 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY014193.D
Acq: 15 Jun 2023 16:39

Tgt Ion: 41 Resp: 2324
Ion Ratio Lower Upper
41 100
39 70.7 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#





#44

Trichloroethene

Concen: 1.144 ug/l

RT: 8.935 min Scan# 1167

Delta R.T. -0.006 min

Lab File: VY014193.D

Acq: 15 Jun 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

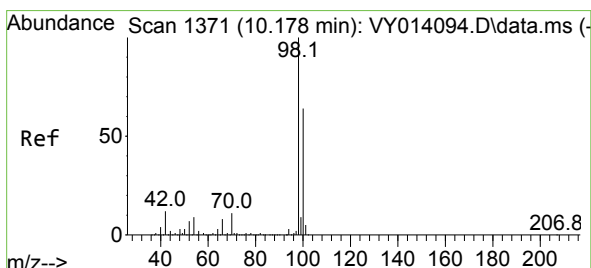
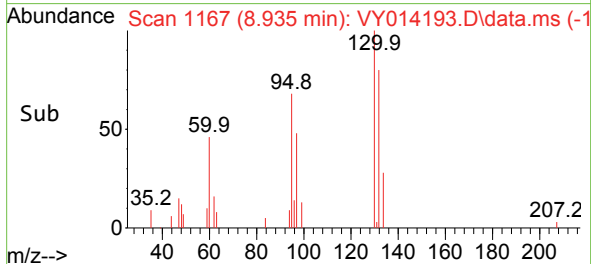
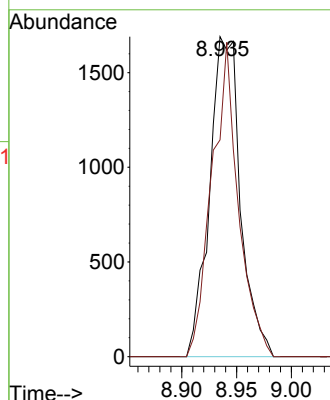
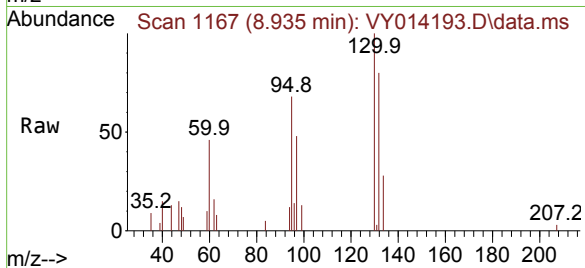
TOTAL-VOC-SB-11-GRAB-6

Tgt Ion:130 Resp: 3316

Ion Ratio Lower Upper

130 100

95 67.8 0.0 196.0



#50

Toluene-d8

Concen: 46.607 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014193.D

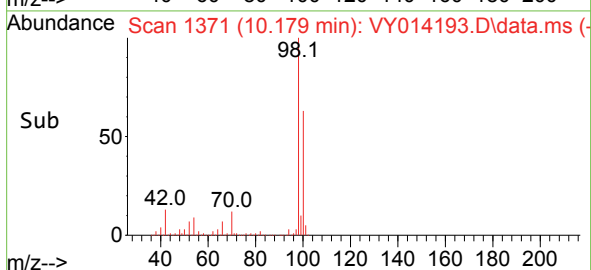
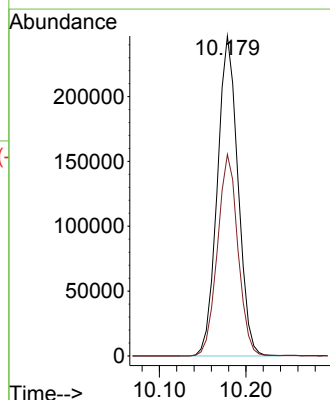
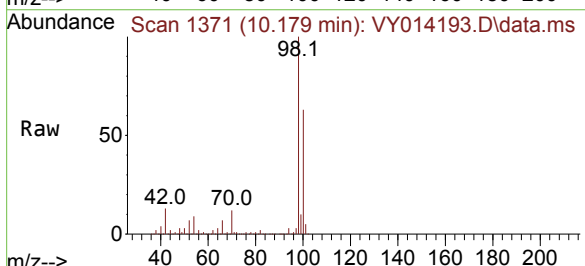
Acq: 15 Jun 2023 16:39

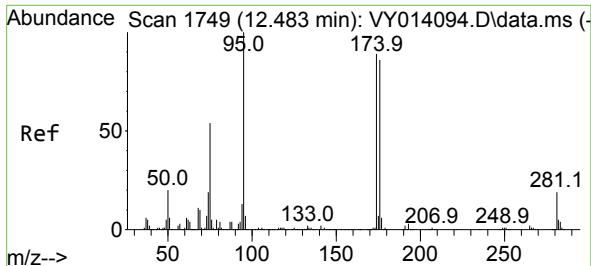
Tgt Ion: 98 Resp: 407695

Ion Ratio Lower Upper

98 100

100 62.7 50.1 75.1

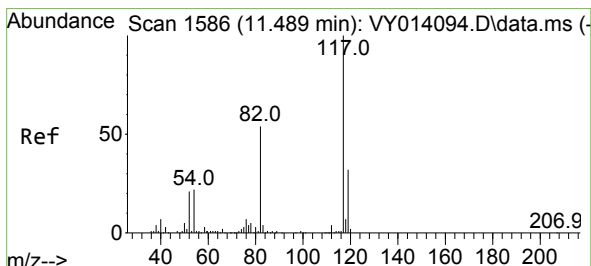
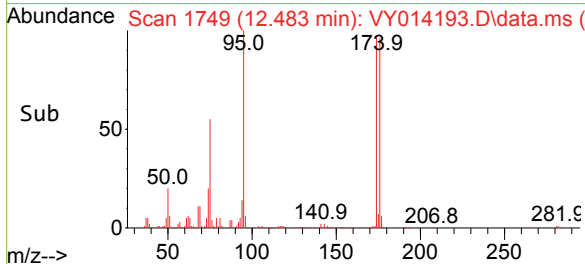
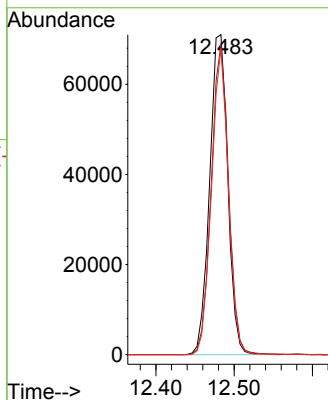
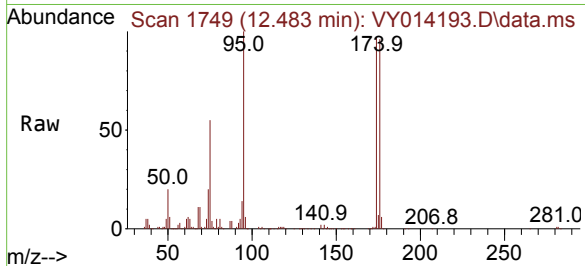




#62
4-Bromofluorobenzene
Concen: 36.742 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014193.D
Acq: 15 Jun 2023 16:39

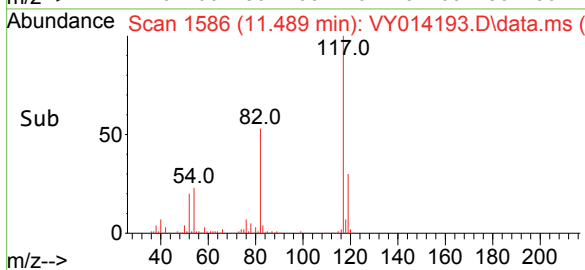
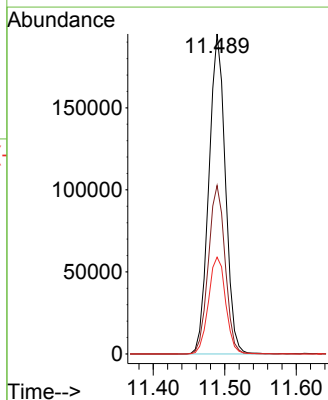
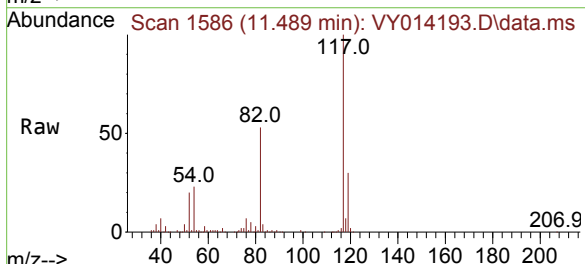
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-11-GRAB-6

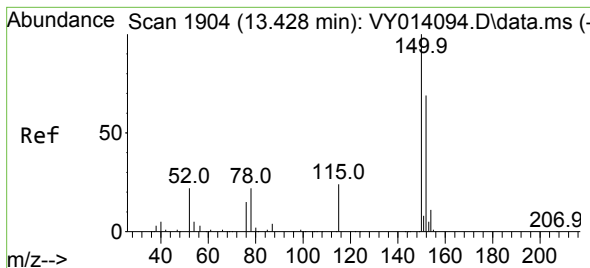
Tgt Ion: 95 Resp: 114173
Ion Ratio Lower Upper
95 100
174 93.3 0.0 178.2
176 89.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014193.D
Acq: 15 Jun 2023 16:39

Tgt Ion: 117 Resp: 312281
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 30.3 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014193.D

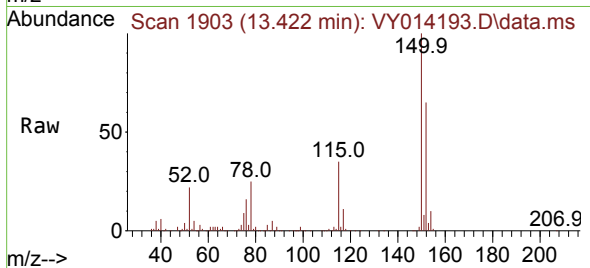
Acq: 15 Jun 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-11-GRAB-6



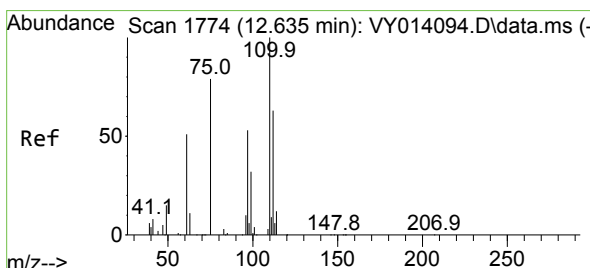
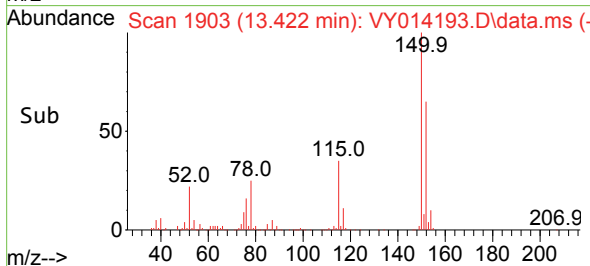
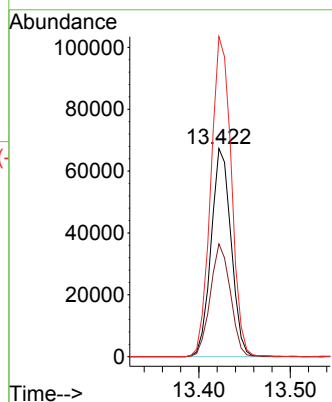
Tgt Ion:152 Resp: 102034

Ion Ratio Lower Upper

152 100

115 54.5 28.8 86.5

150 157.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 46.724 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014193.D

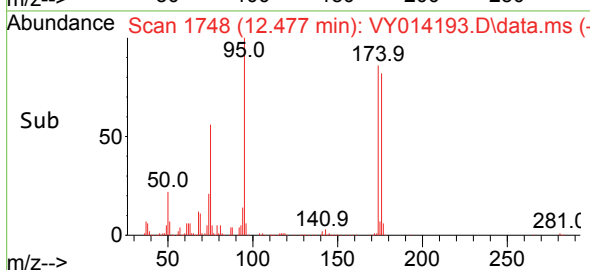
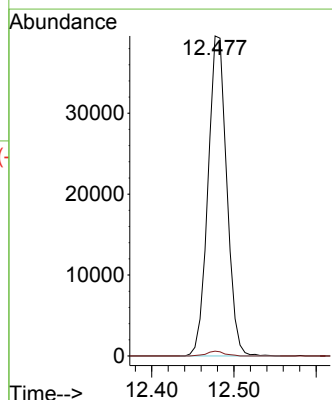
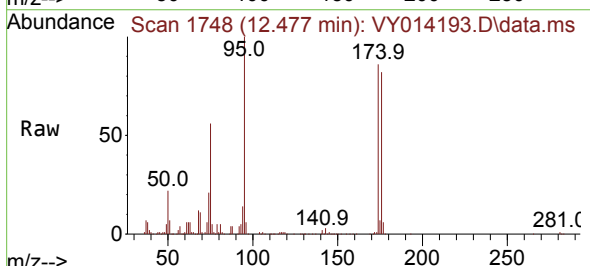
Acq: 15 Jun 2023 16:39

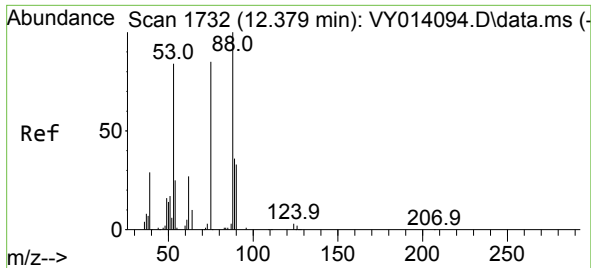
Tgt Ion: 75 Resp: 62548

Ion Ratio Lower Upper

75 100

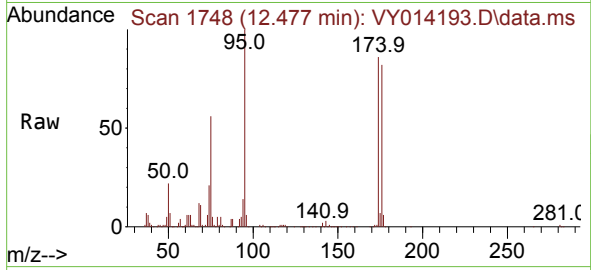
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 101.000 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY014193.D
Acq: 15 Jun 2023 16:39

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-11-GRAB-6



Tgt Ion:	75	Resp:	62548
Ion	Ratio	Lower	Upper
75	100		
53	0.3	77.8	116.8#
89	0.0	37.4	56.0#

