

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061423\
 Data File : VY014167.D
 Acq On : 14 Jun 2023 20:34
 Operator : KP/MD
 Sample : 03223-17
 Misc : 11.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jun 15 01:47:17 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)

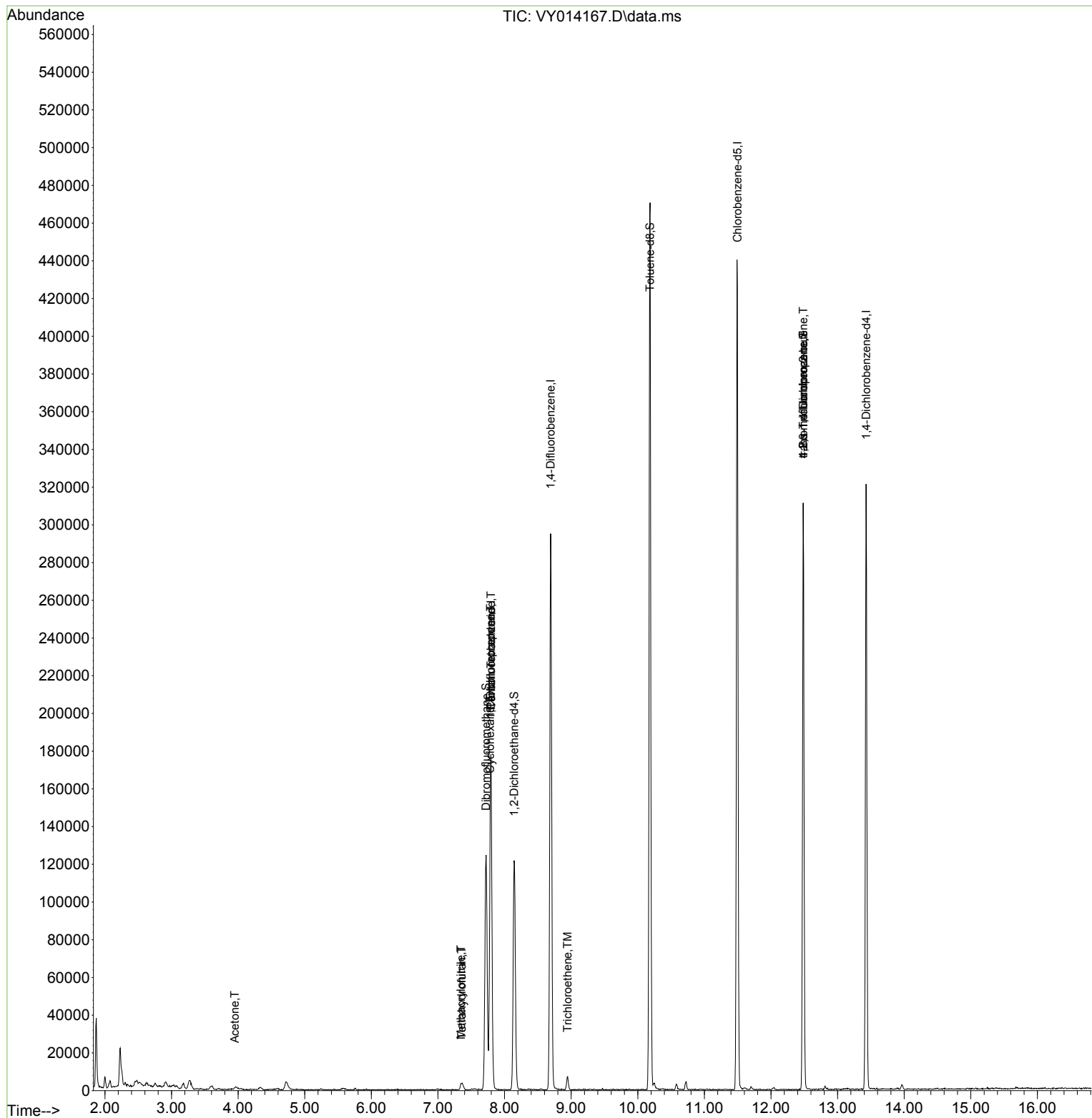
Internal Standards						
1) Pentafluorobenzene	7.795	168	140243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	244397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	236798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	102477	52.474	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.940%			
35) Dibromofluoromethane	7.722	113	84618	48.822	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.640%			
50) Toluene-d8	10.185	98	303863	46.894	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.780%			
62) 4-Bromofluorobenzene	12.483	95	85682	37.224	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 74.440%			
Target Compounds						
11) Tert butyl alcohol	4.960	59	189	Below Cal	#	89
16) Acetone	3.948	43	2096	3.561	ug/l	96
20) Methylene Chloride	4.723	84	3078	Below Cal		87
29) Tetrahydrofuran	7.356	42	2811	6.118	ug/l	# 86
31) Cyclohexane	7.783	56	3273	1.251	ug/l	# 46
36) 1,1-Dichloropropene	7.789	75	10724	3.969	ug/l	# 52
38) Carbon Tetrachloride	7.795	117	14167	4.543	ug/l	# 17
41) Methacrylonitrile	7.344	41	1867	1.962	ug/l	# 43
44) Trichloroethene	8.947	130	2513	1.171	ug/l	89
76) 1,2,3-Trichloropropane	12.483	75	47179	43.859	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	47179	94.806	ug/l	# 11

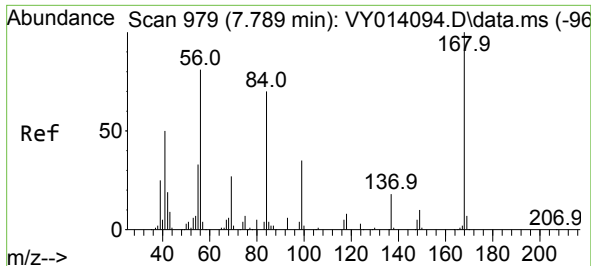
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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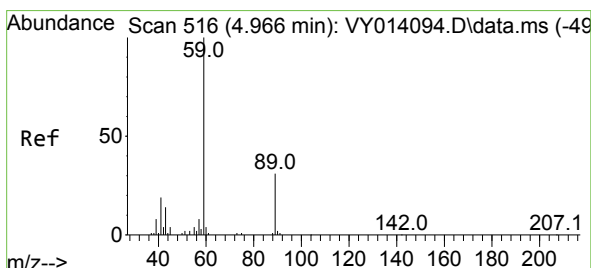
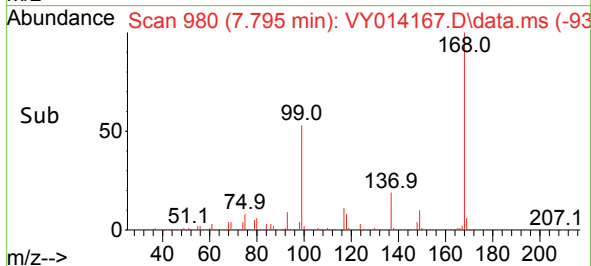
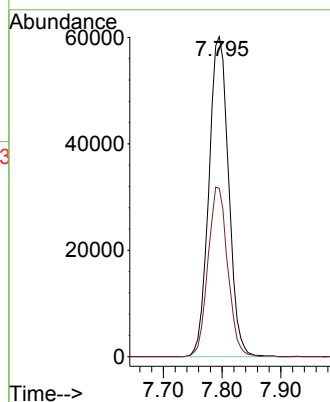
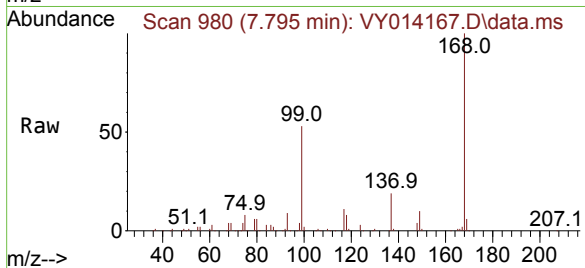




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014167.D
Acq: 14 Jun 2023 20:34

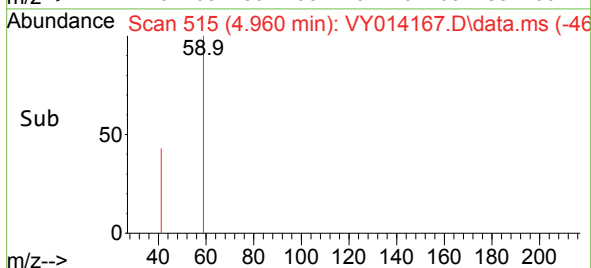
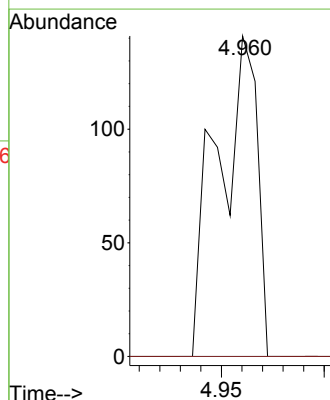
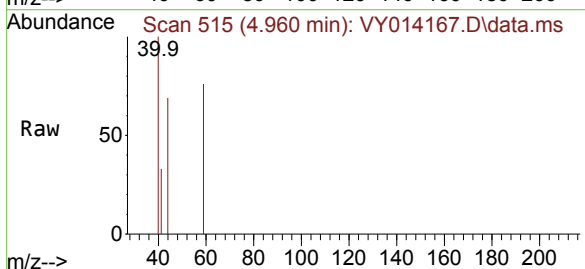
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-11-GRAB-6

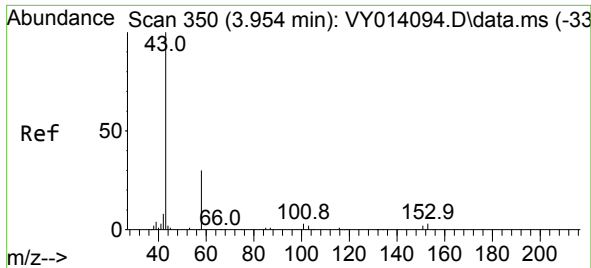
Tgt Ion:168 Resp: 140243
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014167.D
Acq: 14 Jun 2023 20:34

Tgt Ion: 59 Resp: 189
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 3.561 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY014167.D

Acq: 14 Jun 2023 20:34

Instrument :

MSVOA_Y

ClientSampleId :

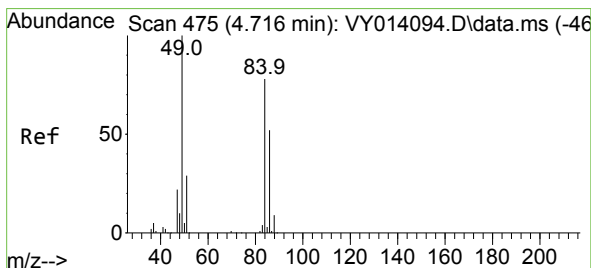
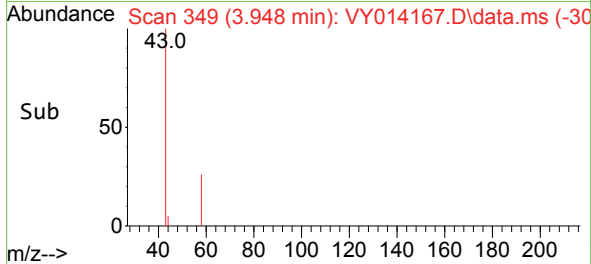
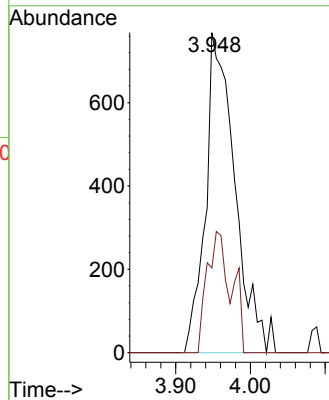
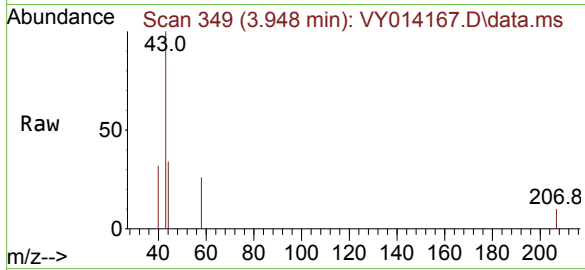
TOTAL-VOC-SB-11-GRAB-6

Tgt Ion: 43 Resp: 2096

Ion Ratio Lower Upper

43 100

58 26.4 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.723 min Scan# 476

Delta R.T. 0.007 min

Lab File: VY014167.D

Acq: 14 Jun 2023 20:34

Tgt Ion: 84 Resp: 3078

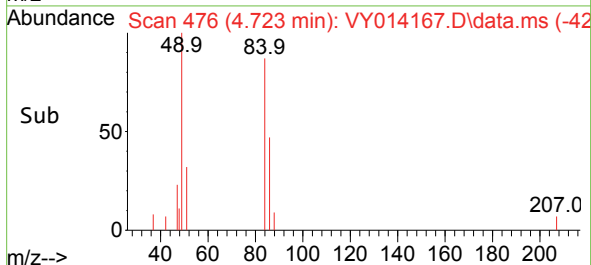
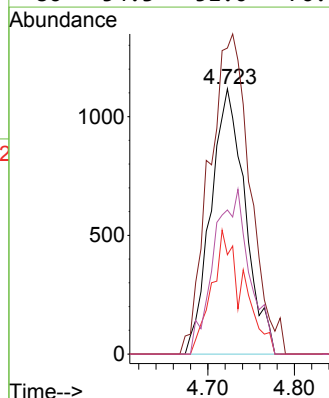
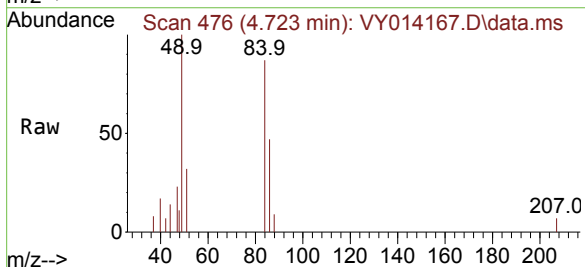
Ion Ratio Lower Upper

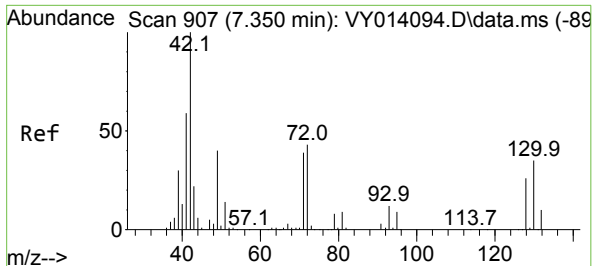
84 100

49 115.4 106.9 160.3

51 37.4 33.2 49.8

86 54.3 51.0 76.6





#29

Tetrahydrofuran

Concen: 6.118 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014167.D

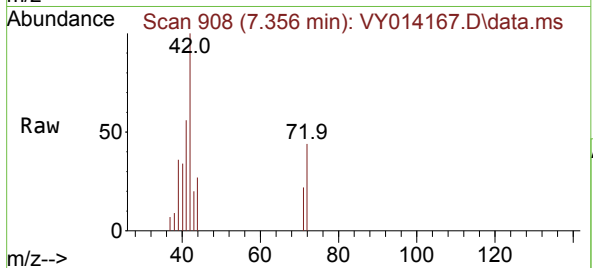
Acq: 14 Jun 2023 20:34

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-11-GRAB-6



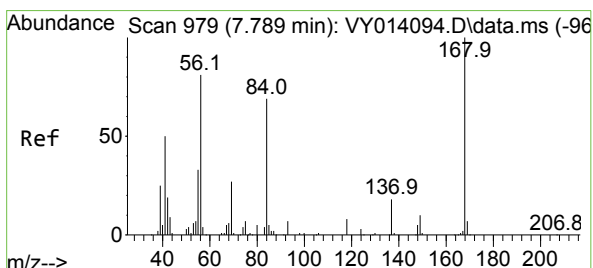
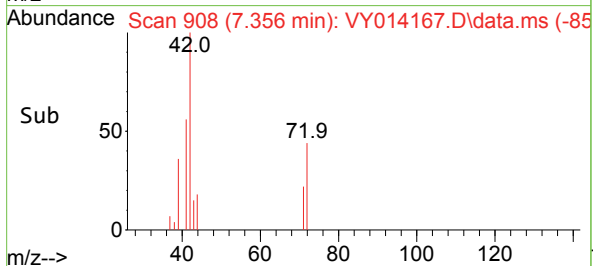
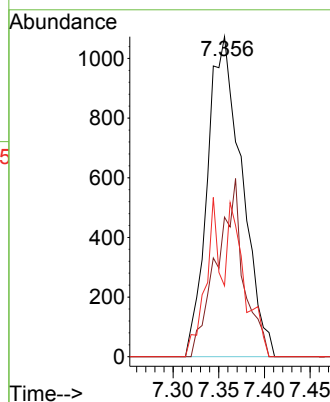
Tgt Ion: 42 Resp: 2811

Ion Ratio Lower Upper

42 100

72 43.6 32.8 49.2

71 23.9 31.0 46.4#



#31

Cyclohexane

Concen: 1.251 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY014167.D

Acq: 14 Jun 2023 20:34

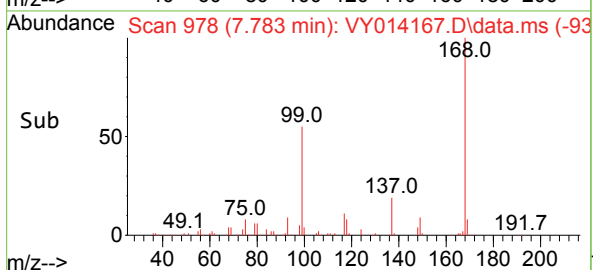
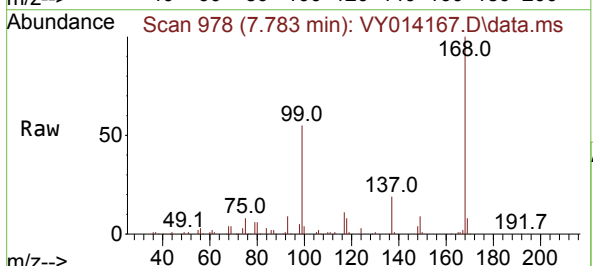
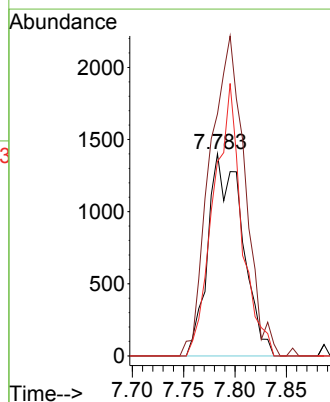
Tgt Ion: 56 Resp: 3273

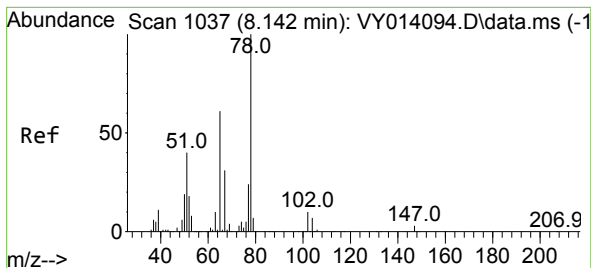
Ion Ratio Lower Upper

56 100

69 119.9 27.8 41.6#

84 96.3 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 52.474 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.001 min

Lab File: VY014167.D

Acq: 14 Jun 2023 20:34

Instrument :

MSVOA_Y

ClientSampleId :

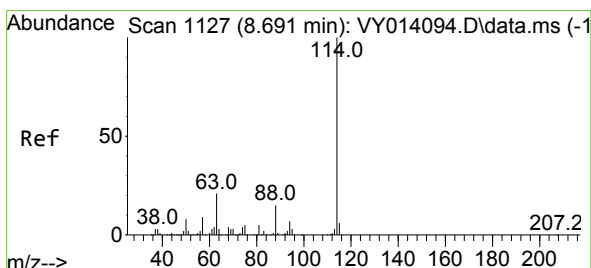
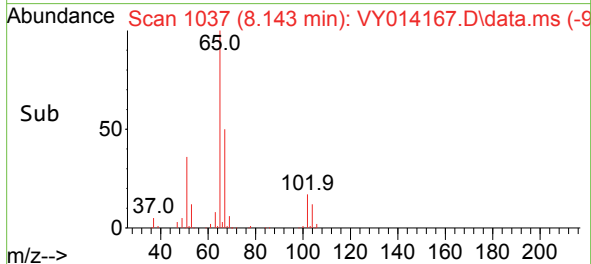
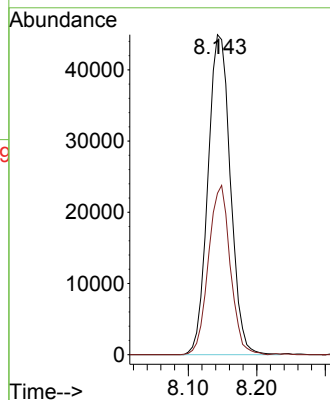
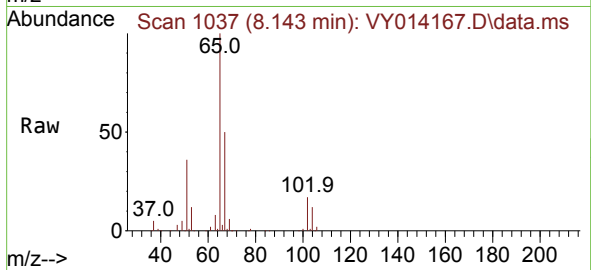
TOTAL-VOC-SB-11-GRAB-6

Tgt Ion: 65 Resp: 102477

Ion Ratio Lower Upper

65 100

67 51.4 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: VY014167.D

Acq: 14 Jun 2023 20:34

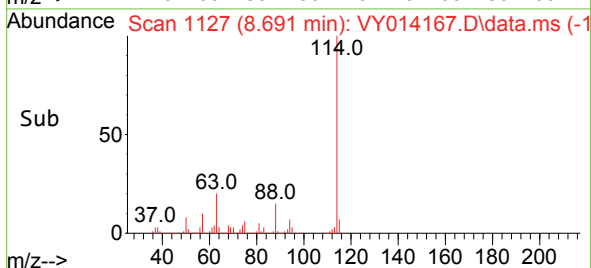
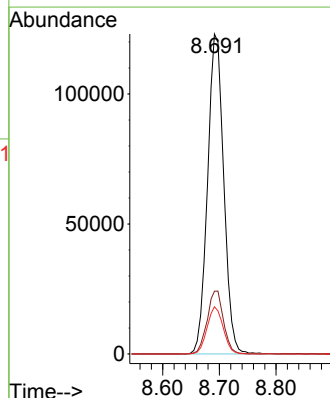
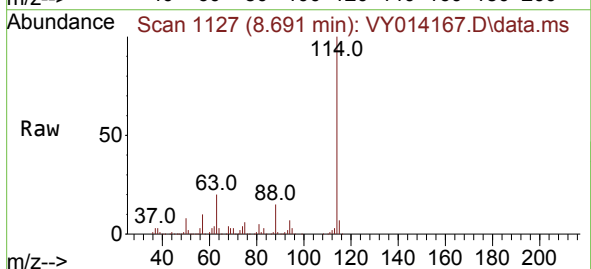
Tgt Ion:114 Resp: 244397

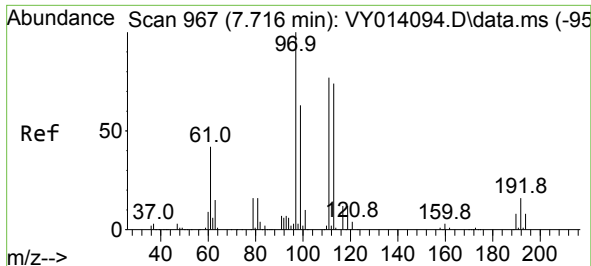
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 14.8 0.0 30.6

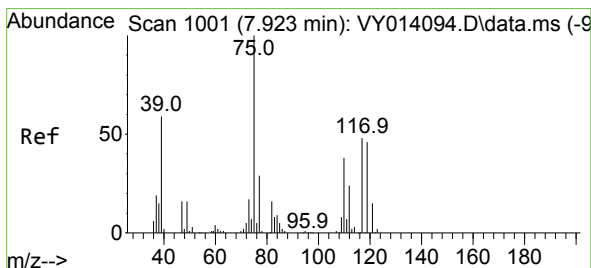
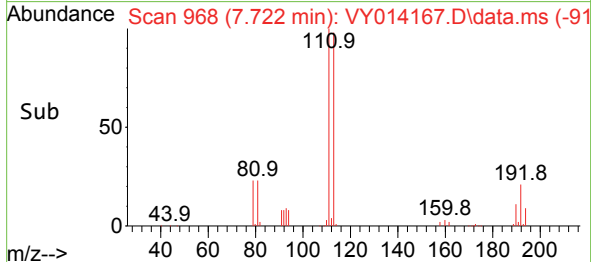
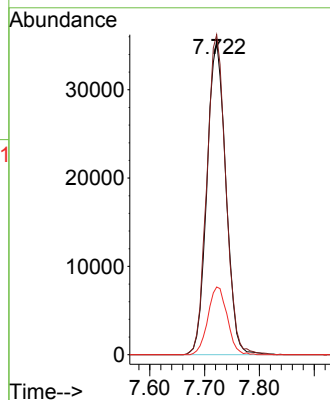
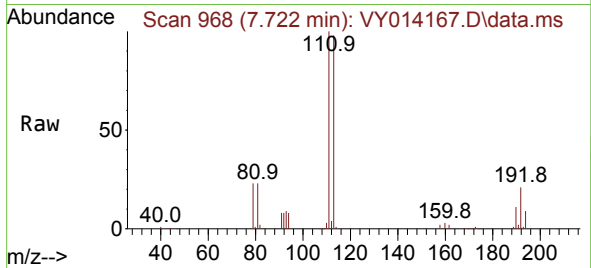




#35
Dibromofluoromethane
Concen: 48.822 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY014167.D
Acq: 14 Jun 2023 20:34

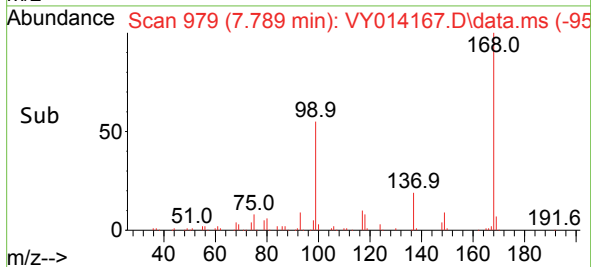
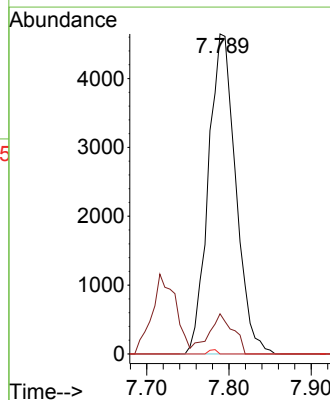
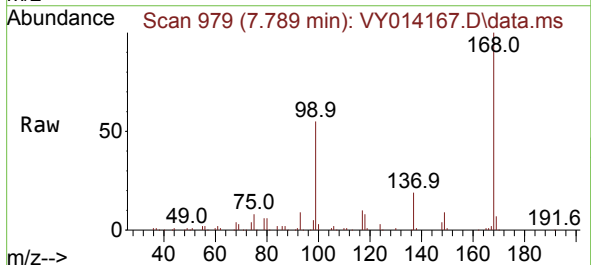
Instrument :
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TOTAL-VOC-SB-11-GRAB-6

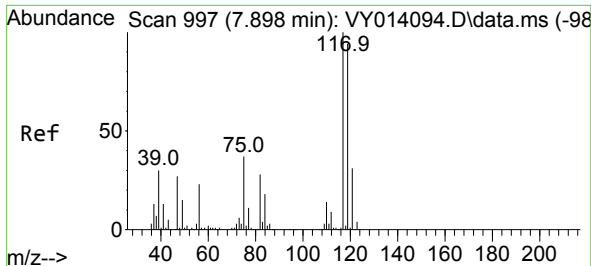
Tgt Ion:113 Resp: 84618
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 22.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.969 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014167.D
Acq: 14 Jun 2023 20:34

Tgt Ion: 75 Resp: 10724
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.5#
77 0.4 24.4 36.6#

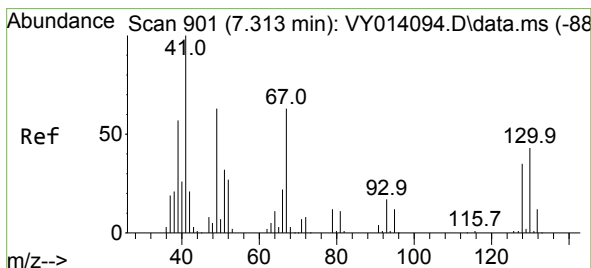
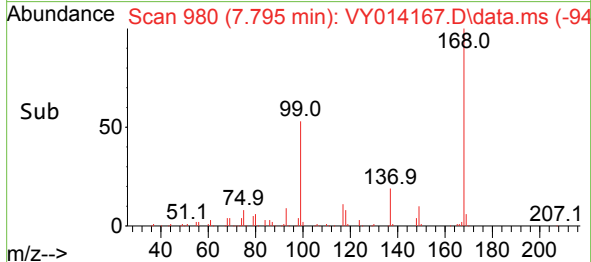
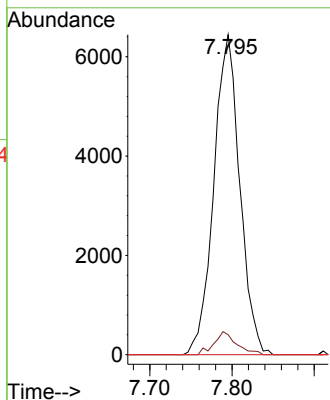
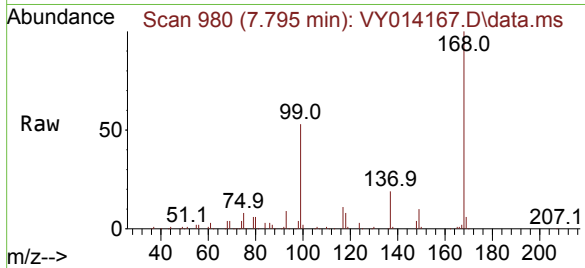




#38
Carbon Tetrachloride
Concen: 4.543 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014167.D
Acq: 14 Jun 2023 20:34

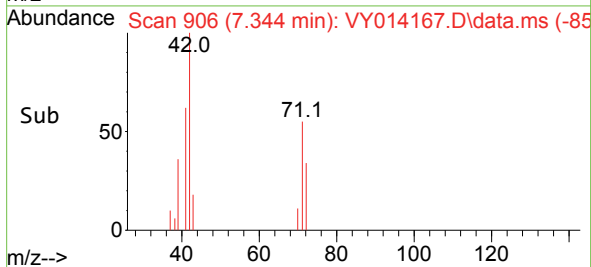
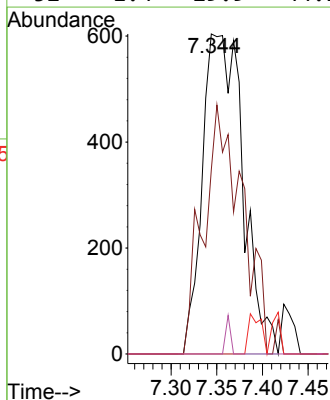
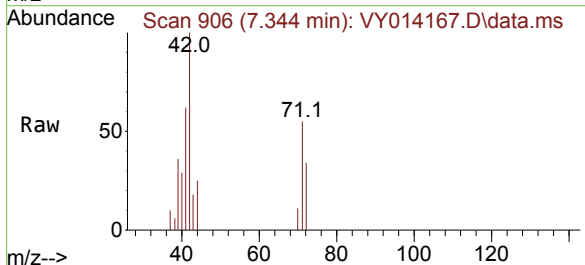
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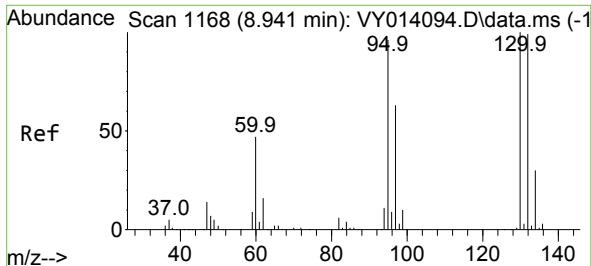
Tgt Ion:117 Resp: 14167
Ion Ratio Lower Upper
117 100
119 6.2 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.962 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.031 min
Lab File: VY014167.D
Acq: 14 Jun 2023 20:34

Tgt Ion: 41 Resp: 1867
Ion Ratio Lower Upper
41 100
39 74.5 52.1 78.1
67 0.0 66.2 99.2#
52 1.4 29.9 44.9#

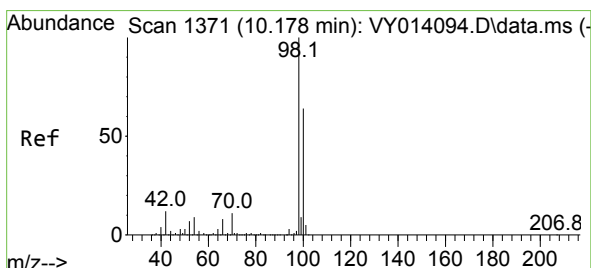
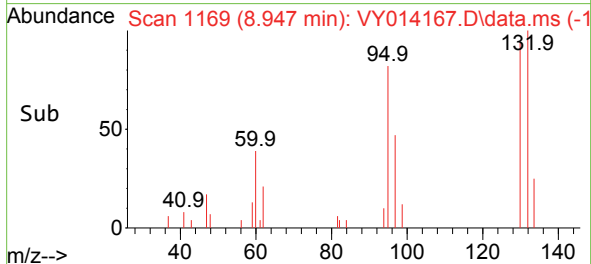
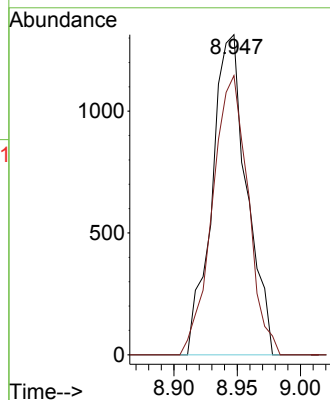
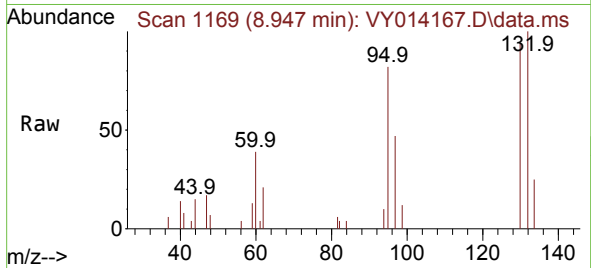




#44
Trichloroethene
Concen: 1.171 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VY014167.D
Acq: 14 Jun 2023 20:34

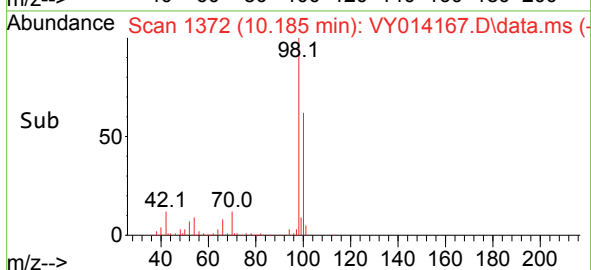
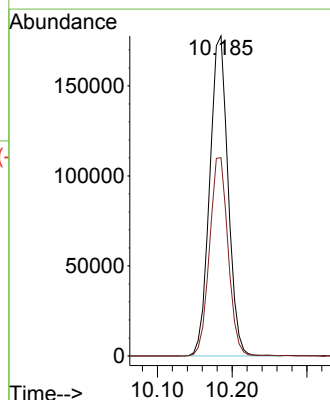
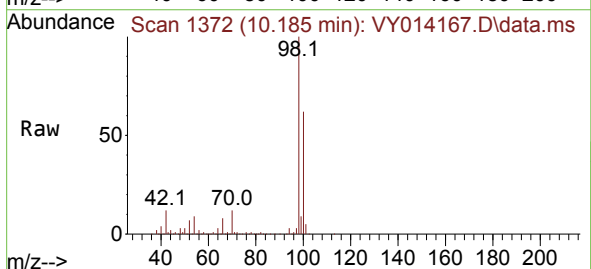
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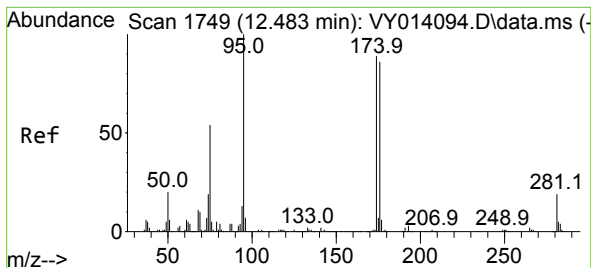
Tgt Ion:130 Resp: 2513
Ion Ratio Lower Upper
130 100
95 87.2 0.0 196.0



#50
Toluene-d8
Concen: 46.894 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014167.D
Acq: 14 Jun 2023 20:34

Tgt Ion: 98 Resp: 303863
Ion Ratio Lower Upper
98 100
100 62.6 50.1 75.1

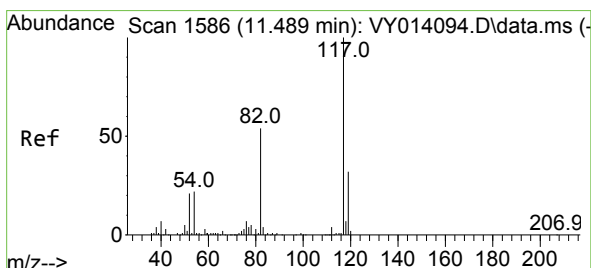
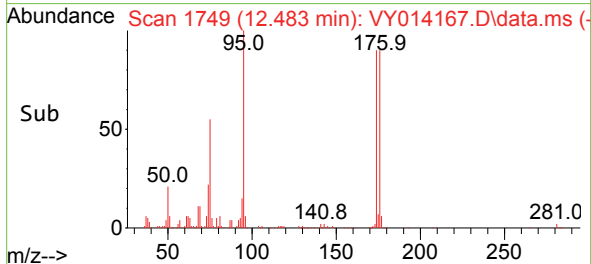
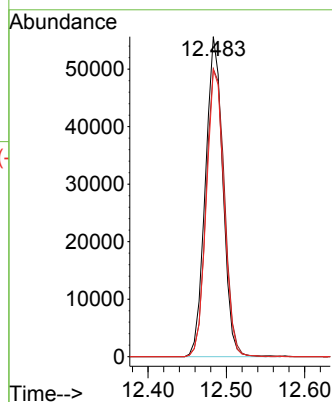
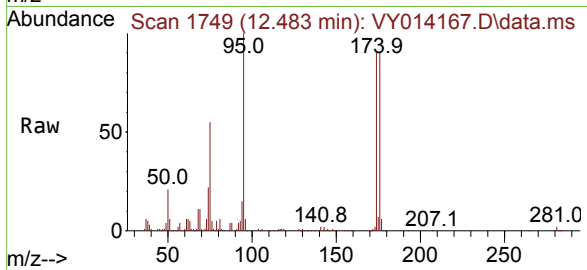




#62
4-Bromofluorobenzene
Concen: 37.224 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014167.D
Acq: 14 Jun 2023 20:34

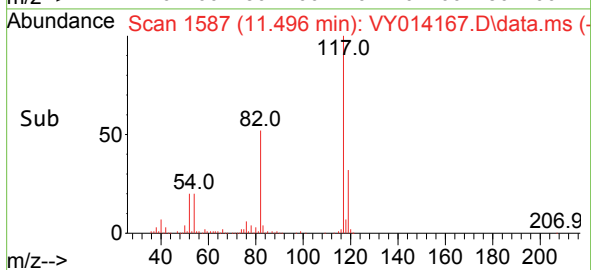
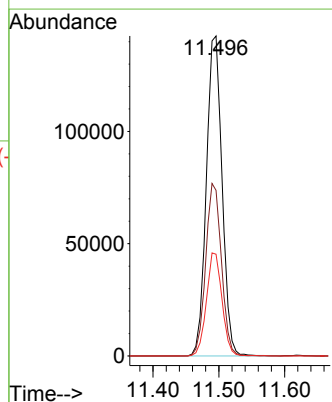
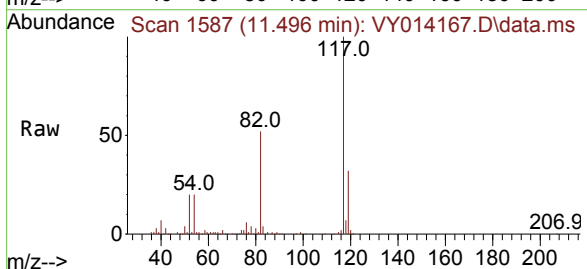
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-11-GRAB-6

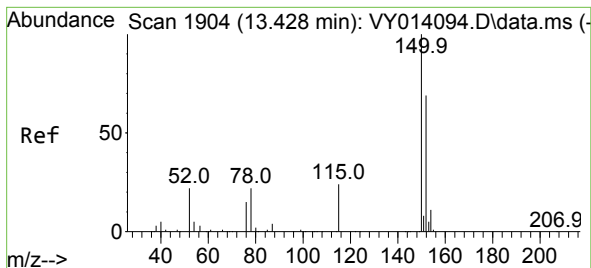
Tgt Ion: 95 Resp: 85682
Ion Ratio Lower Upper
95 100
174 95.0 0.0 178.2
176 91.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014167.D
Acq: 14 Jun 2023 20:34

Tgt Ion: 117 Resp: 236798
Ion Ratio Lower Upper
117 100
82 51.8 43.4 65.0
119 31.8 26.3 39.5

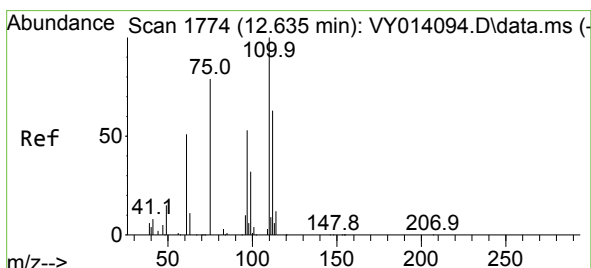
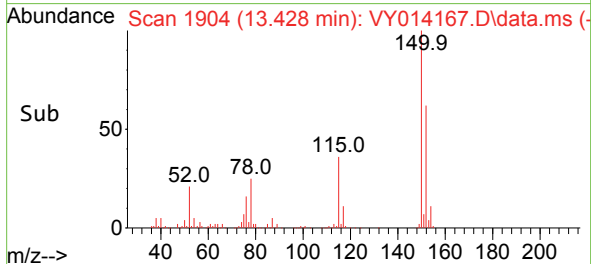
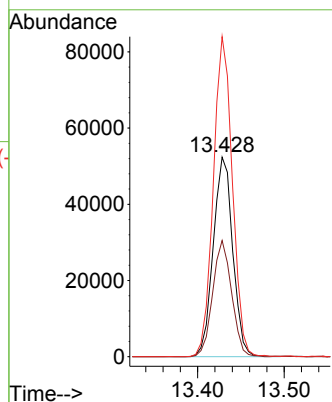
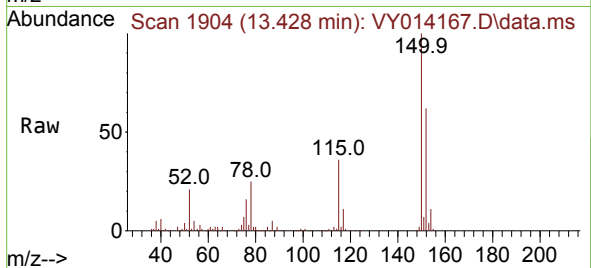




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY014167.D
 Acq: 14 Jun 2023 20:34

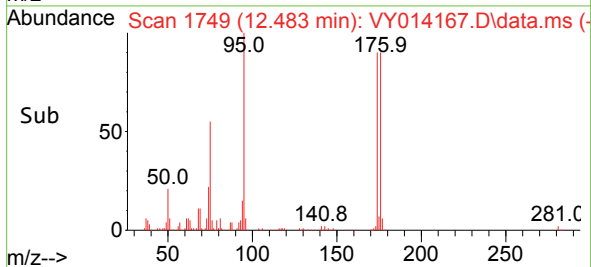
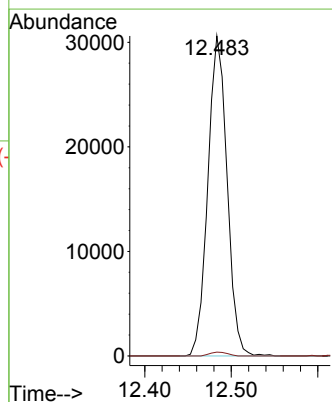
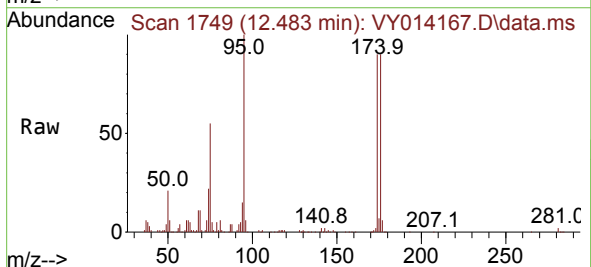
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-11-GRAB-6

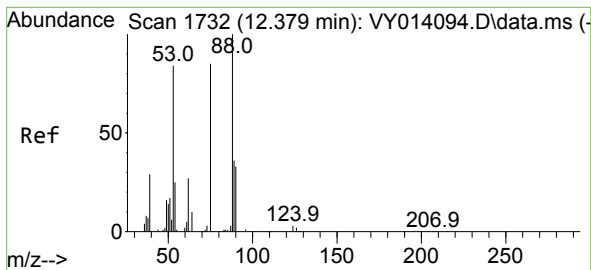
Tgt Ion:152 Resp: 81991
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.8 86.5
 150 156.4 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 43.859 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY014167.D
 Acq: 14 Jun 2023 20:34

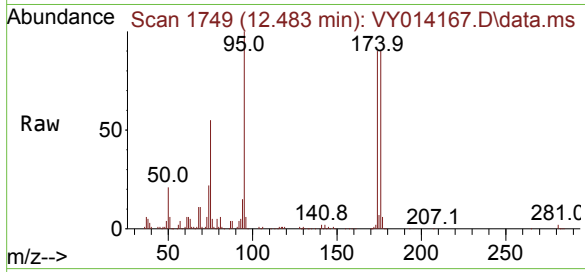
Tgt Ion: 75 Resp: 47179
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.806 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014167.D
 Acq: 14 Jun 2023 20:34

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



Tgt Ion: 75 Resp: 47179
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.8 116.8#
 89 0.0 37.4 56.0#

