

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014190.D
 Acq On : 15 Jun 2023 15:29
 Operator : KP/MD
 Sample : 03223-06
 Misc : 8.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-04-GRAB-7

Quant Time: Jun 16 02:09:18 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)

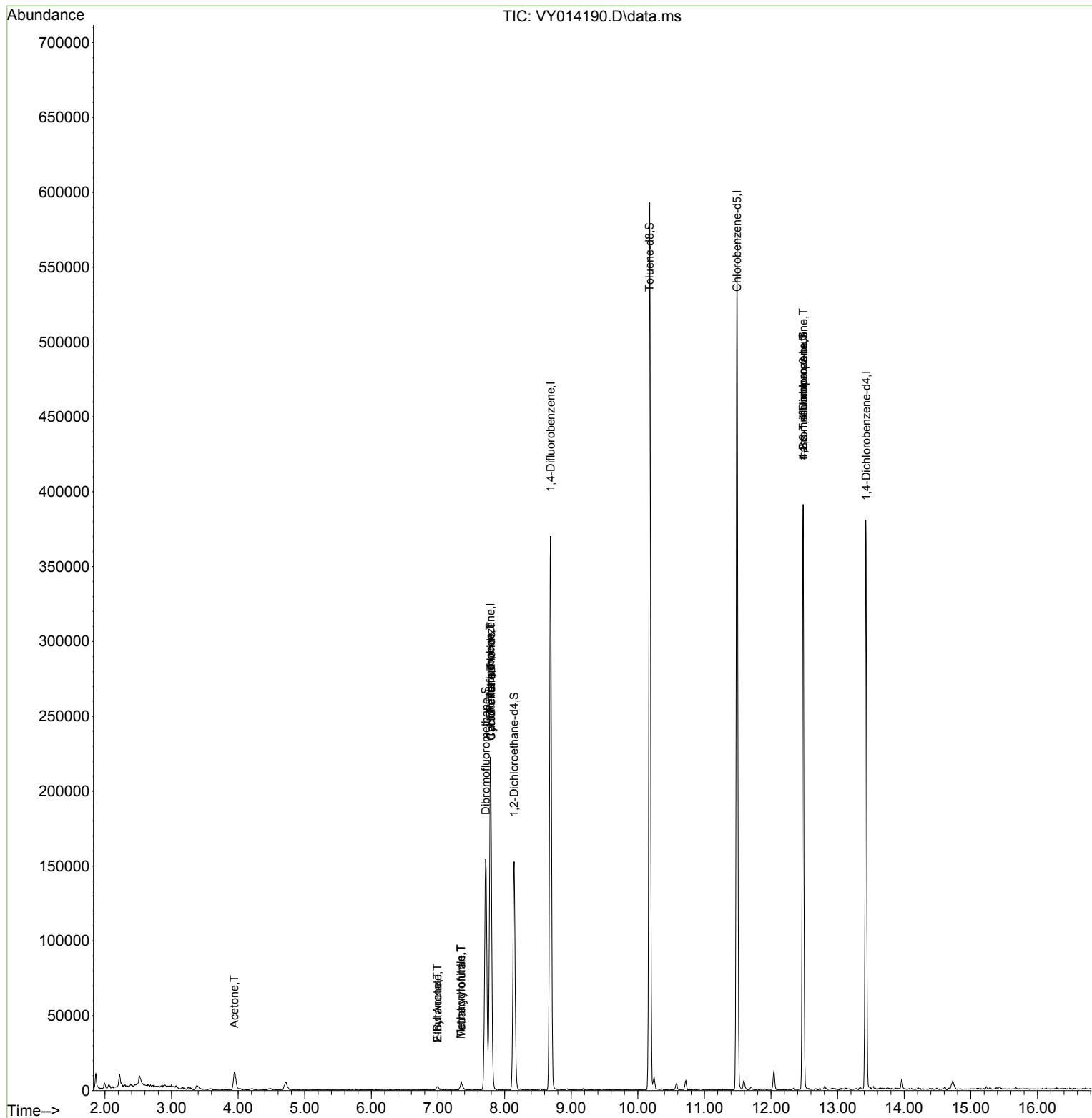
Internal Standards						
1) Pentafluorobenzene	7.789	168	173582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	305992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	292851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	127989	52.950	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.900%	
35) Dibromofluoromethane	7.716	113	104885	48.333	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.660%	
50) Toluene-d8	10.179	98	375430	46.276	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.560%	
62) 4-Bromofluorobenzene	12.483	95	109994	38.167	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.340%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	464	Below Cal	#	89
13) Acrolein	3.723	56	25	Below Cal	#	1
16) Acetone	3.942	43	21397	29.367	ug/l	95
20) Methylene Chloride	4.722	84	3751	Below Cal	#	85
25) 2-Butanone	6.990	43	3403	3.794	ug/l	# 82
29) Tetrahydrofuran	7.350	42	3528	6.203	ug/l	95
31) Cyclohexane	7.795	56	4143	1.279	ug/l	# 16
36) 1,1-Dichloropropene	7.783	75	13303	3.932	ug/l	# 50
37) Ethyl Acetate	6.990	43	3403	1.458	ug/l	# 71
38) Carbon Tetrachloride	7.795	117	16696	4.277	ug/l	# 17
41) Methacrylonitrile	7.344	41	2045	1.717	ug/l	# 43
76) 1,2,3-Trichloropropane	12.483	75	60006	47.358	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	60006	102.370	ug/l	# 10

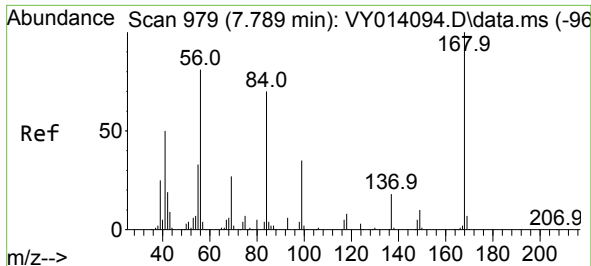
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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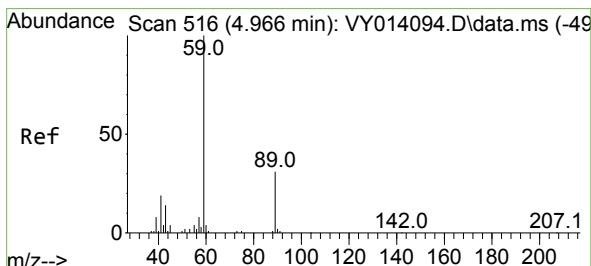
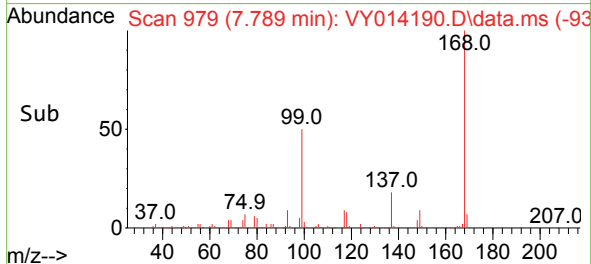
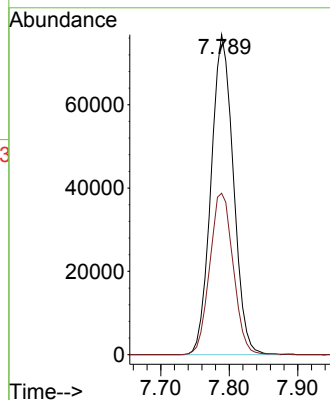
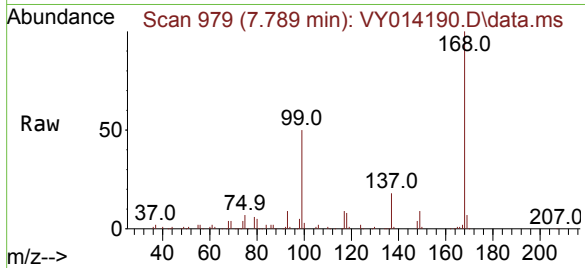




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

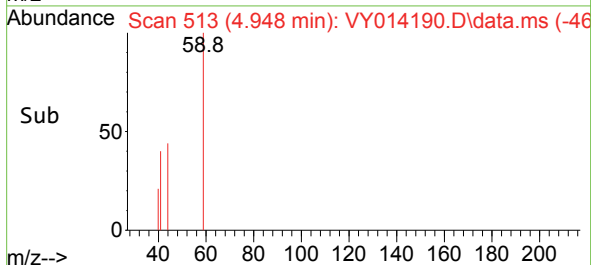
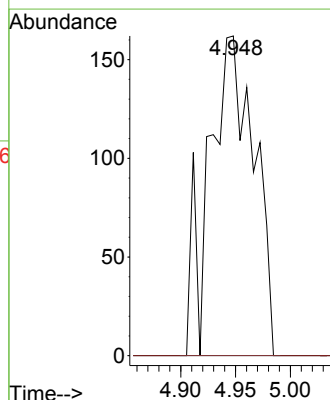
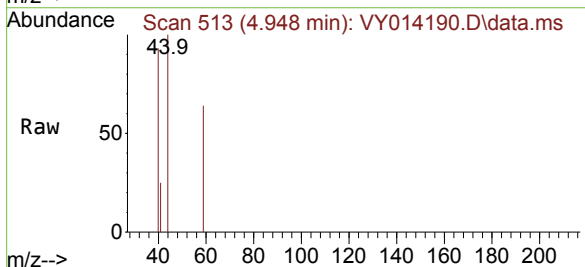
Instrument :
MSVOA_Y
ClientSampleId :
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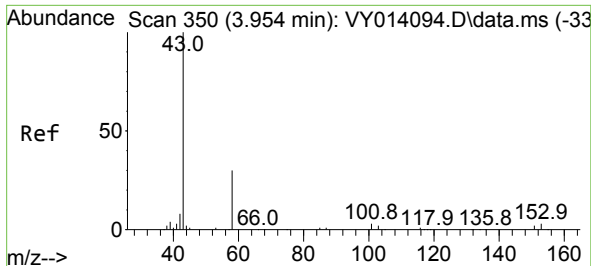
Tgt Ion:168 Resp: 173582
Ion Ratio Lower Upper
168 100
99 50.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

Tgt Ion: 59 Resp: 464
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

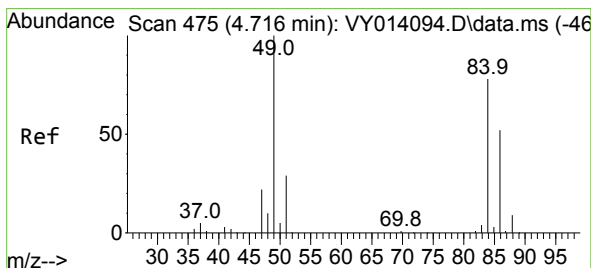
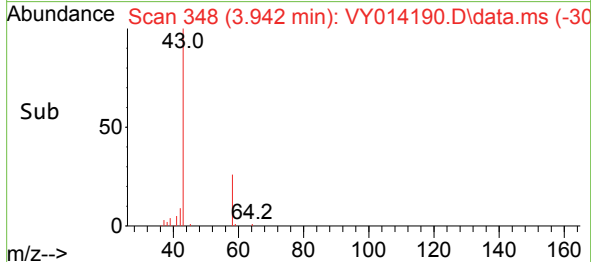
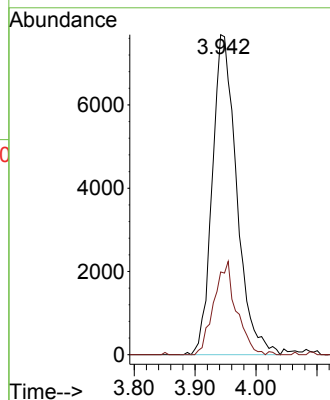
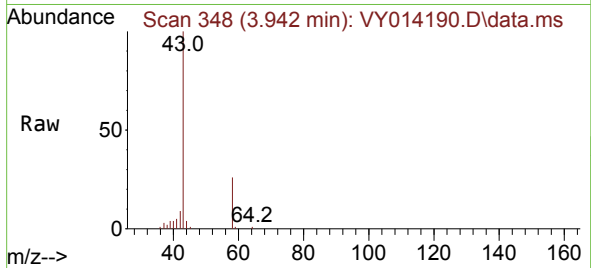




#16
Acetone
Concen: 29.367 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

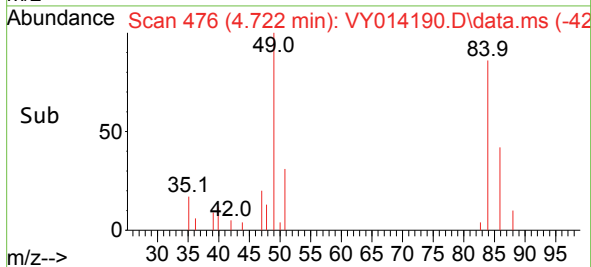
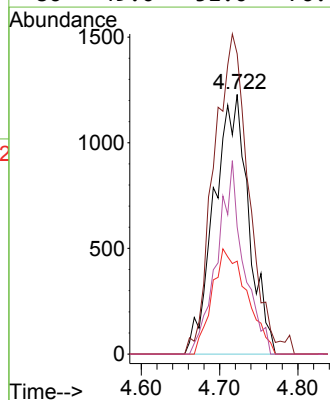
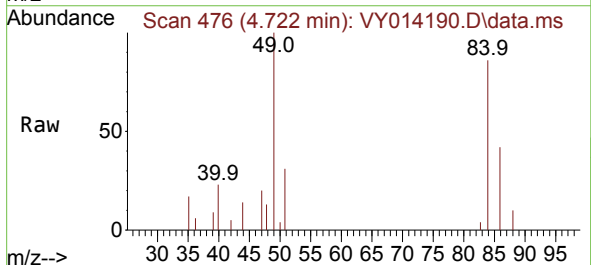
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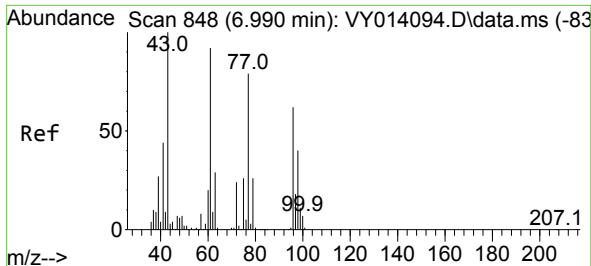
Tgt Ion: 43 Resp: 21397
Ion Ratio Lower Upper
43 100
58 25.8 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

Tgt Ion: 84 Resp: 3751
Ion Ratio Lower Upper
84 100
49 115.6 106.9 160.3
51 35.8 33.2 49.8
86 49.0 51.0 76.6#

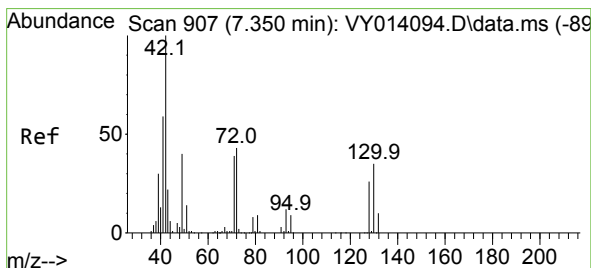
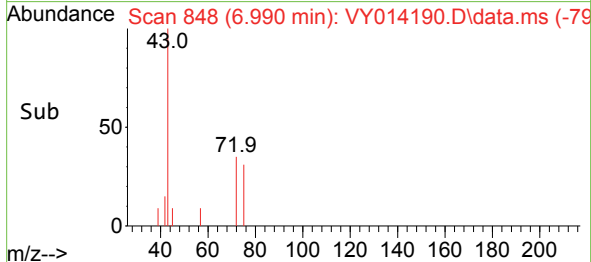
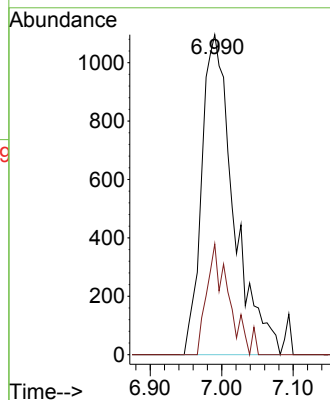
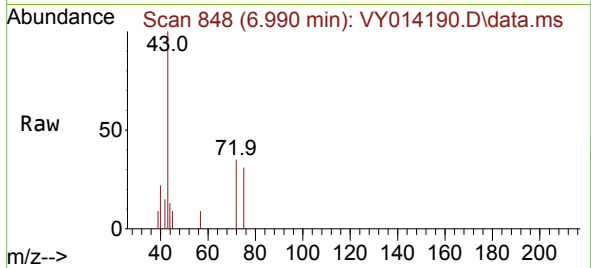




#25
2-Butanone
Concen: 3.794 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

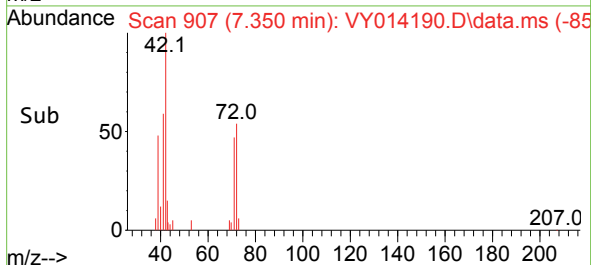
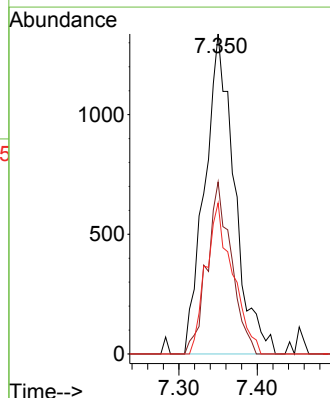
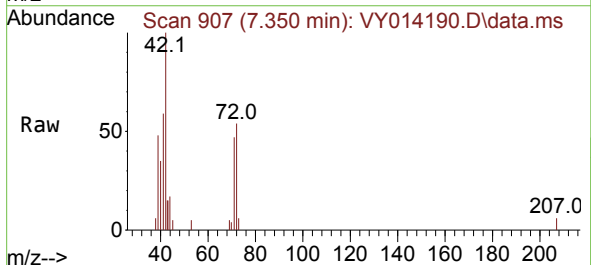
Instrument :
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TOTAL-VOC-SB-04-GRAB-7

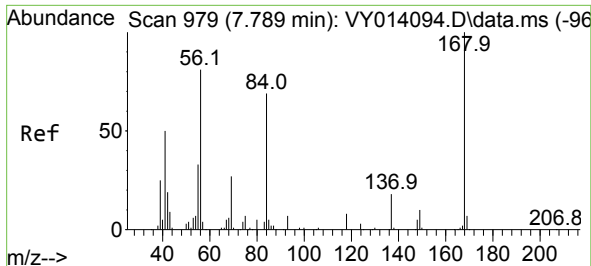
Tgt Ion: 43 Resp: 3403
Ion Ratio Lower Upper
43 100
72 34.6 20.5 30.7#



#29
Tetrahydrofuran
Concen: 6.203 ug/l
RT: 7.350 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

Tgt Ion: 42 Resp: 3528
Ion Ratio Lower Upper
42 100
72 43.9 32.8 49.2
71 42.2 31.0 46.4

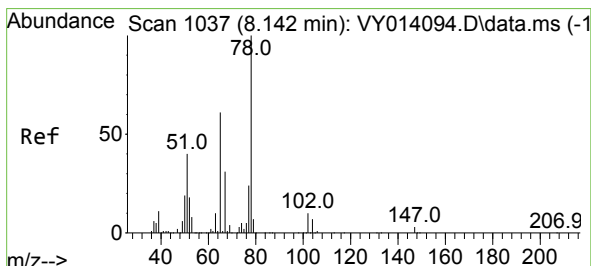
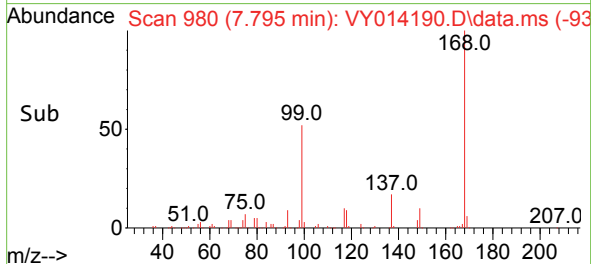
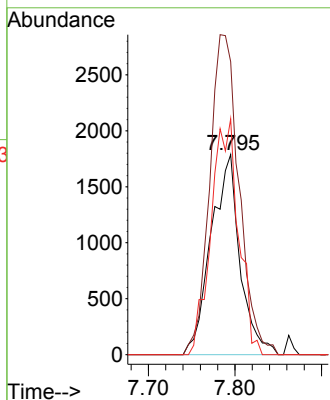
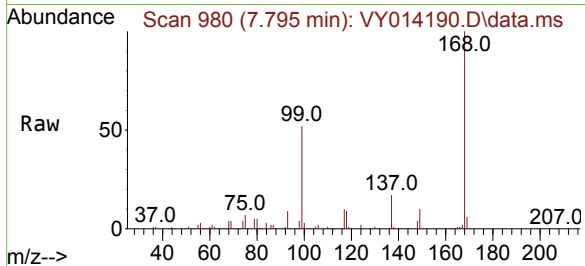




#31
Cyclohexane
Concen: 1.279 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

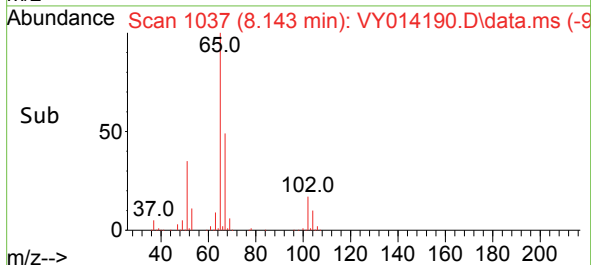
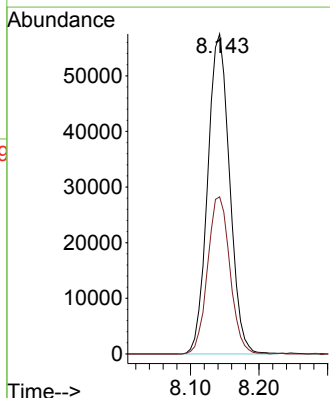
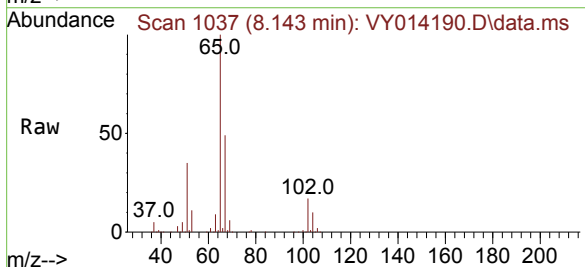
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-04-GRAB-7

Tgt Ion: 56 Resp: 4143
Ion Ratio Lower Upper
56 100
69 146.4 27.8 41.6#
84 117.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 52.950 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

Tgt Ion: 65 Resp: 127989
Ion Ratio Lower Upper
65 100
67 50.0 0.0 101.8

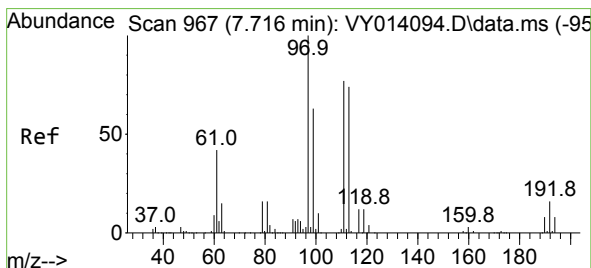
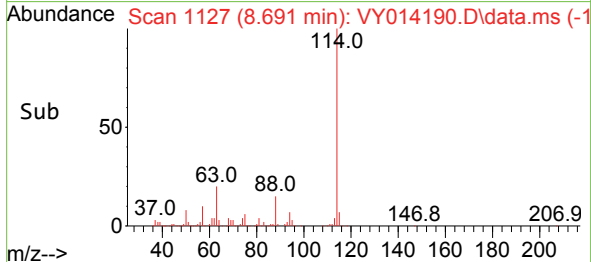
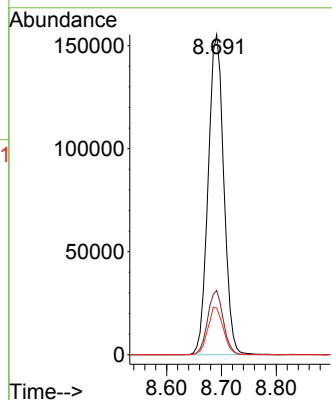
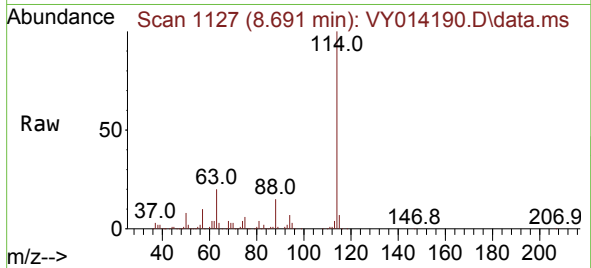




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

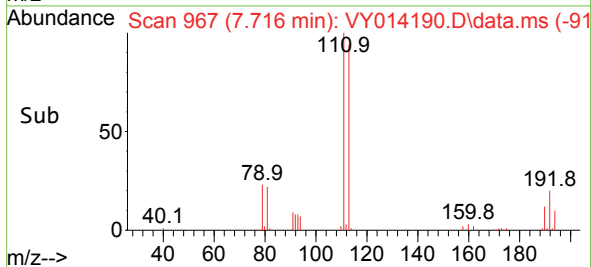
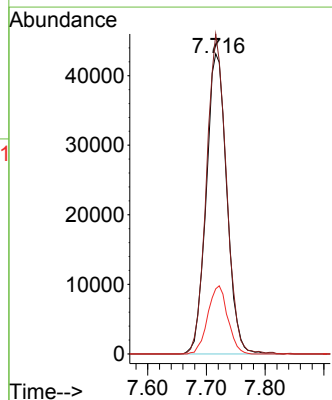
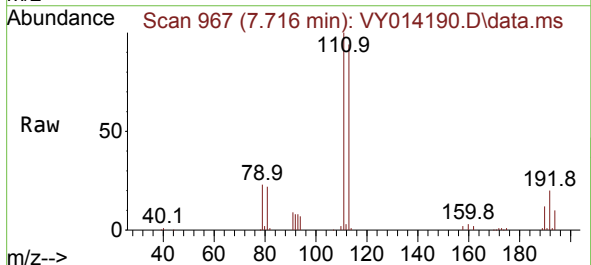
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ClientSampleId :
TOTAL-VOC-SB-04-GRAB-7

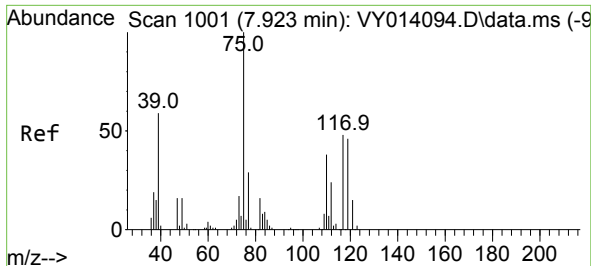
Tgt Ion:114 Resp: 305992
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.4
88 14.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.333 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

Tgt Ion:113 Resp: 104885
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 22.0 16.9 25.3

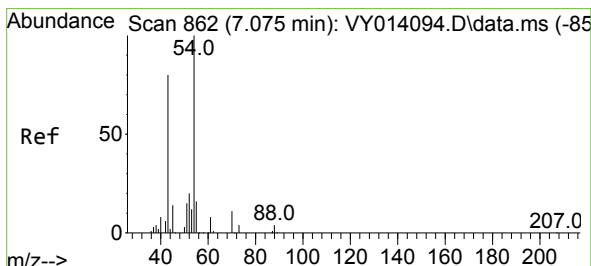
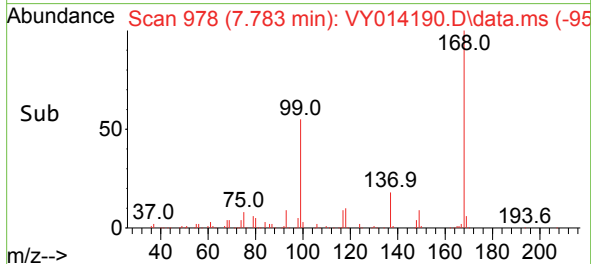
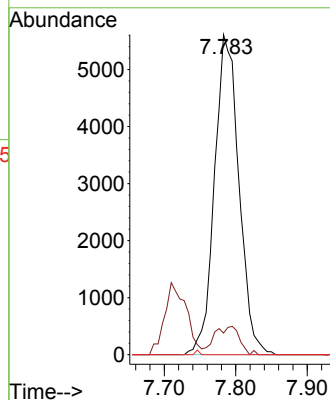
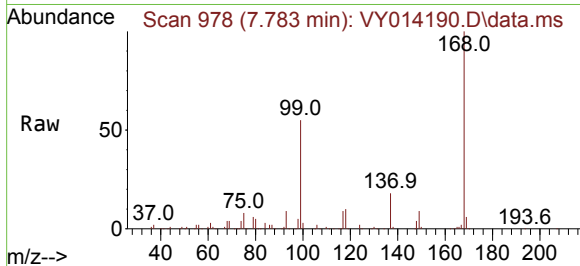




#36
1,1-Dichloropropene
Concen: 3.932 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

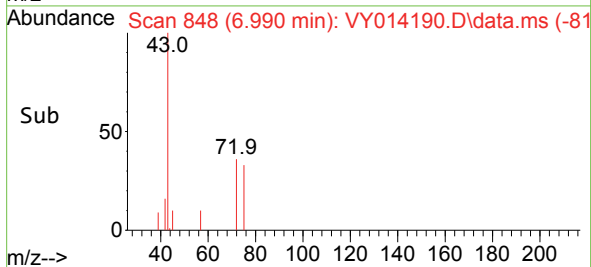
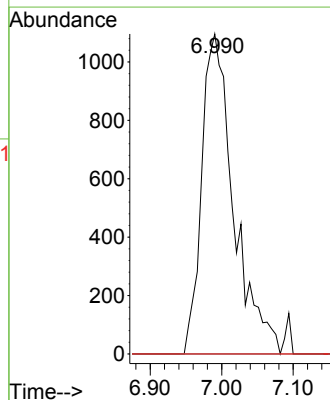
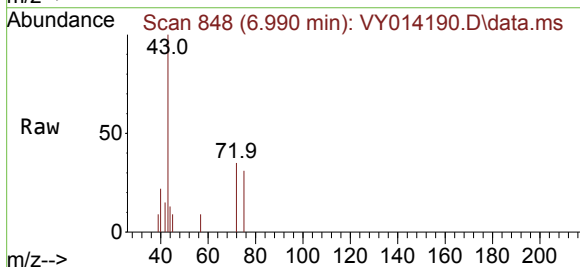
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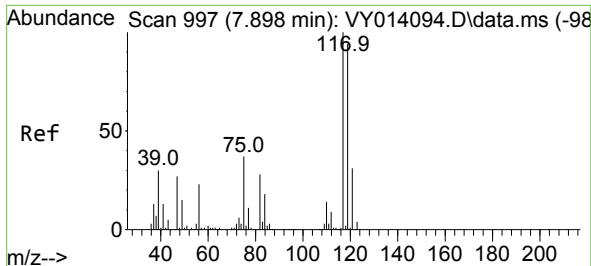
Tgt Ion: 75 Resp: 13303
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.458 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.085 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

Tgt Ion: 43 Resp: 3403
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#

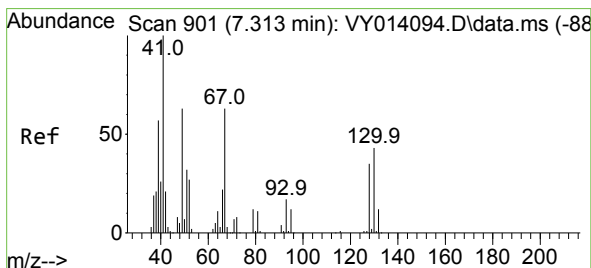
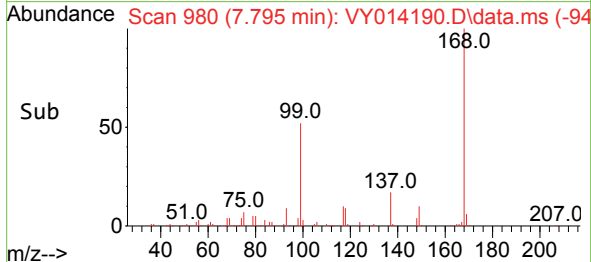
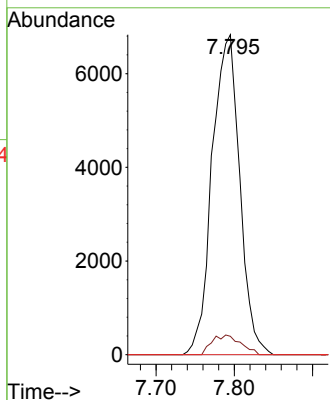
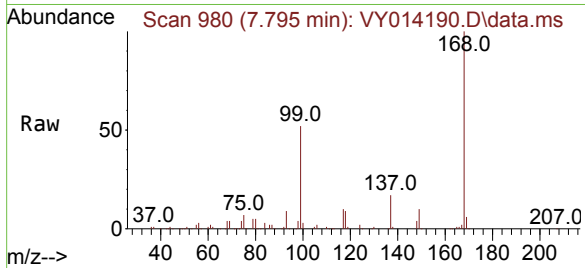




#38
Carbon Tetrachloride
Concen: 4.277 ug/l
RT: 7.795 min Scan# 906
Delta R.T. -0.103 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

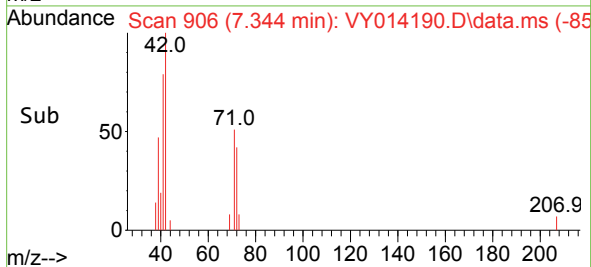
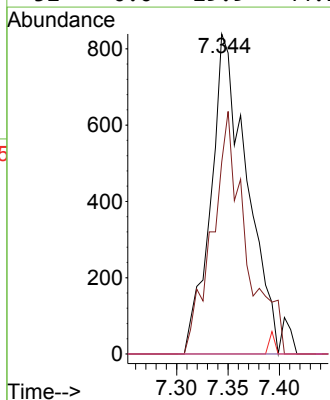
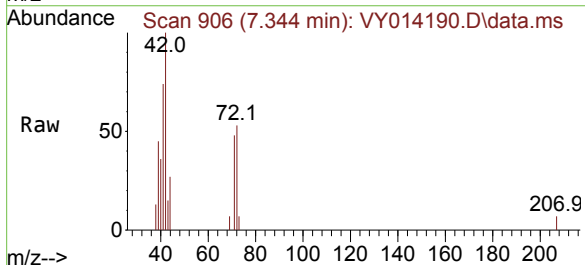
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-04-GRAB-7

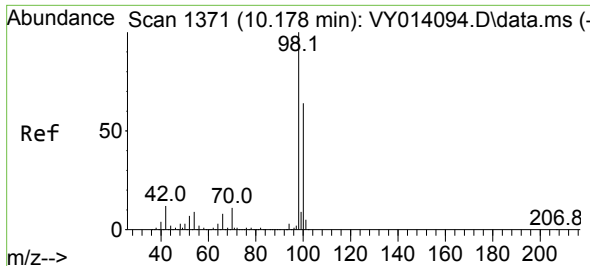
Tgt Ion:117 Resp: 16696
Ion Ratio Lower Upper
117 100
119 5.7 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.717 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.031 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

Tgt Ion: 41 Resp: 2045
Ion Ratio Lower Upper
41 100
39 71.5 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

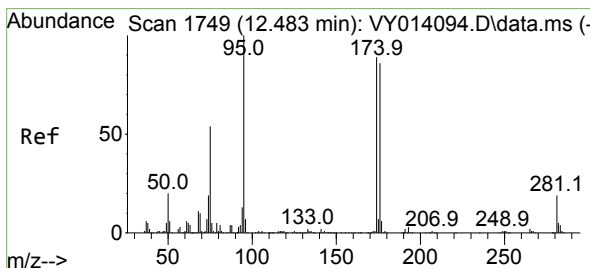
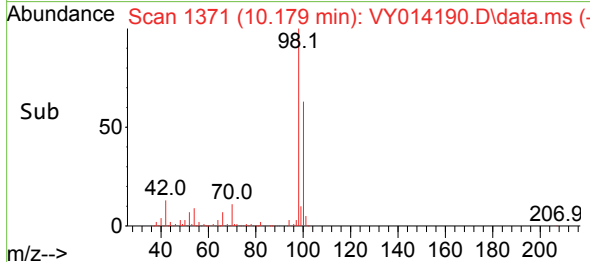
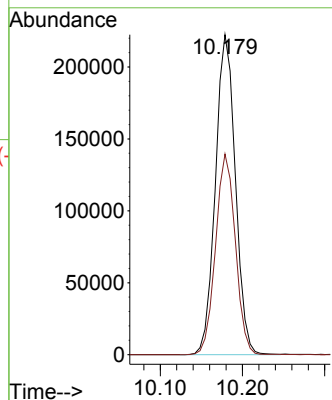
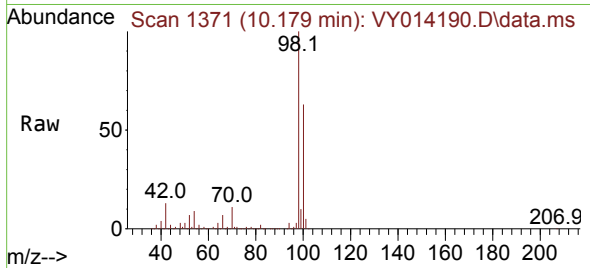




#50
Toluene-d8
Concen: 46.276 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

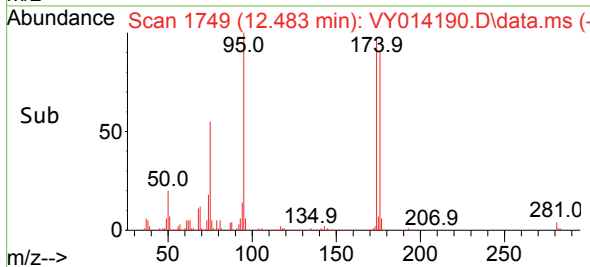
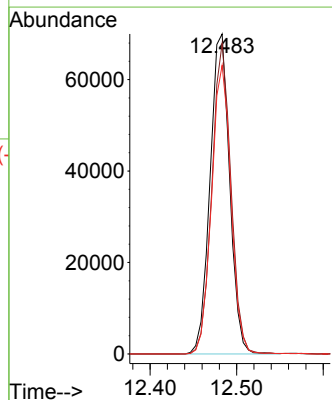
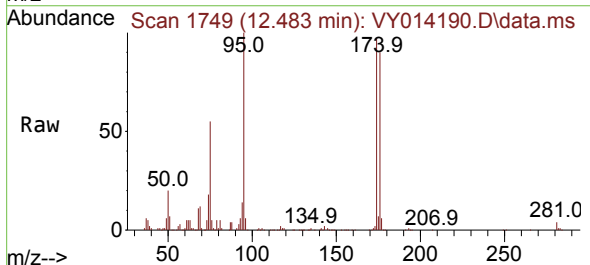
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-04-GRAB-7

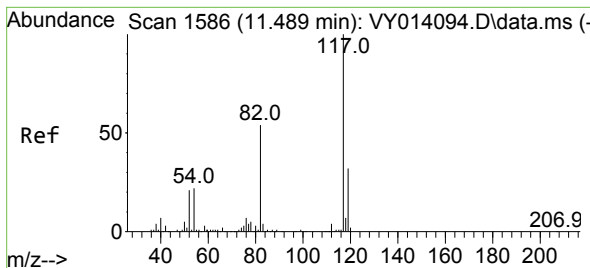
Tgt Ion: 98 Resp: 375430
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 38.167 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

Tgt Ion: 95 Resp: 109994
Ion Ratio Lower Upper
95 100
174 94.2 0.0 178.2
176 89.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014190.D

Acq: 15 Jun 2023 15:29

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-04-GRAB-7

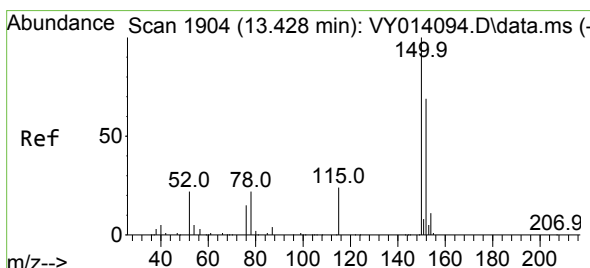
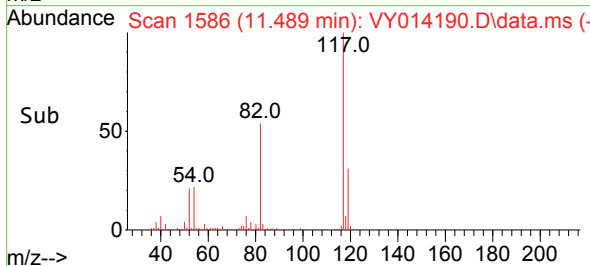
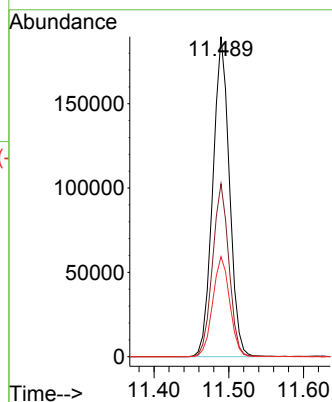
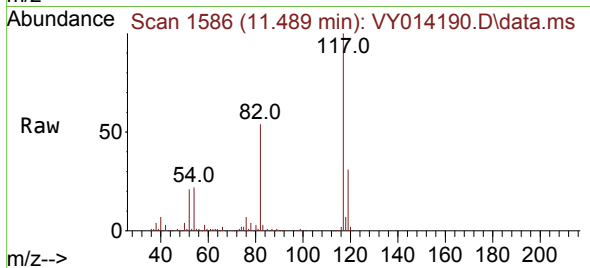
Tgt Ion:117 Resp: 292851

Ion Ratio Lower Upper

117 100

82 54.1 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: VY014190.D

Acq: 15 Jun 2023 15:29

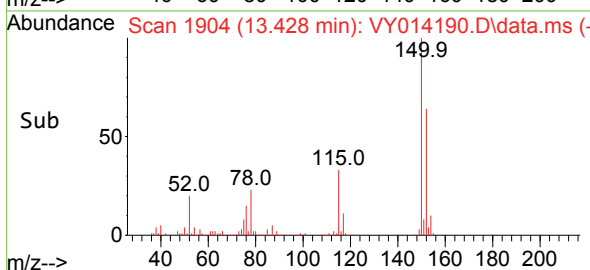
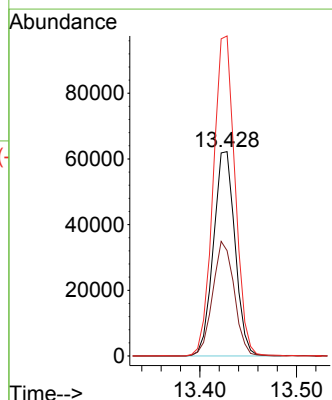
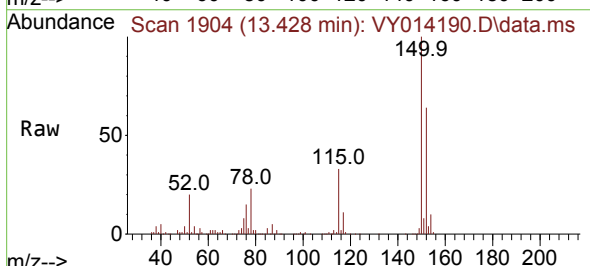
Tgt Ion:152 Resp: 96577

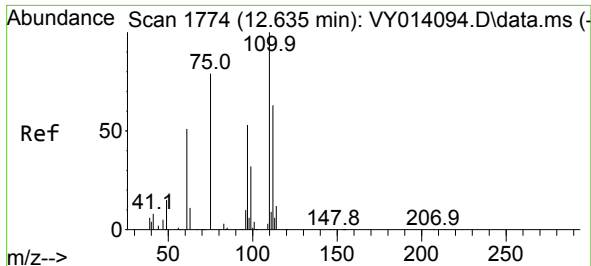
Ion Ratio Lower Upper

152 100

115 55.8 28.8 86.5

150 158.1 0.0 348.8

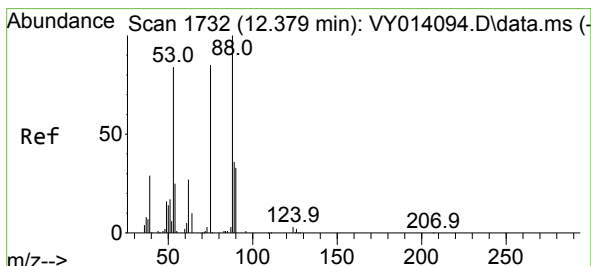
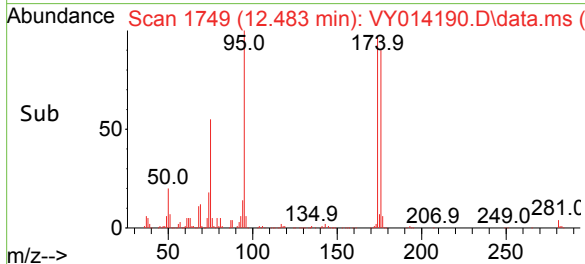
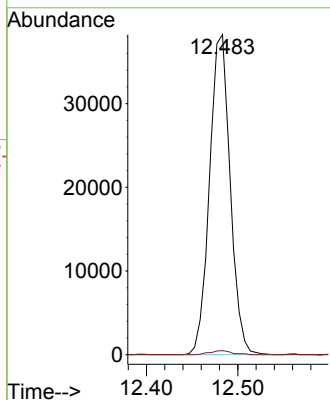
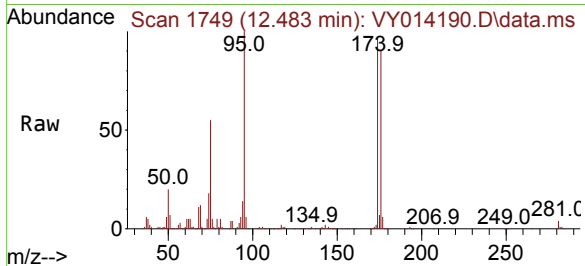




#76
1,2,3-Trichloropropane
Concen: 47.358 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-04-GRAB-7

Tgt Ion: 75 Resp: 60006
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.370 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014190.D
Acq: 15 Jun 2023 15:29

Tgt Ion: 75 Resp: 60006
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

