

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014247.D
 Acq On : 19 Jun 2023 22:50
 Operator : KP/MD
 Sample : 03327-05
 Misc : 4.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-03-GRAB-6

Quant Time: Jun 20 05:03:55 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)

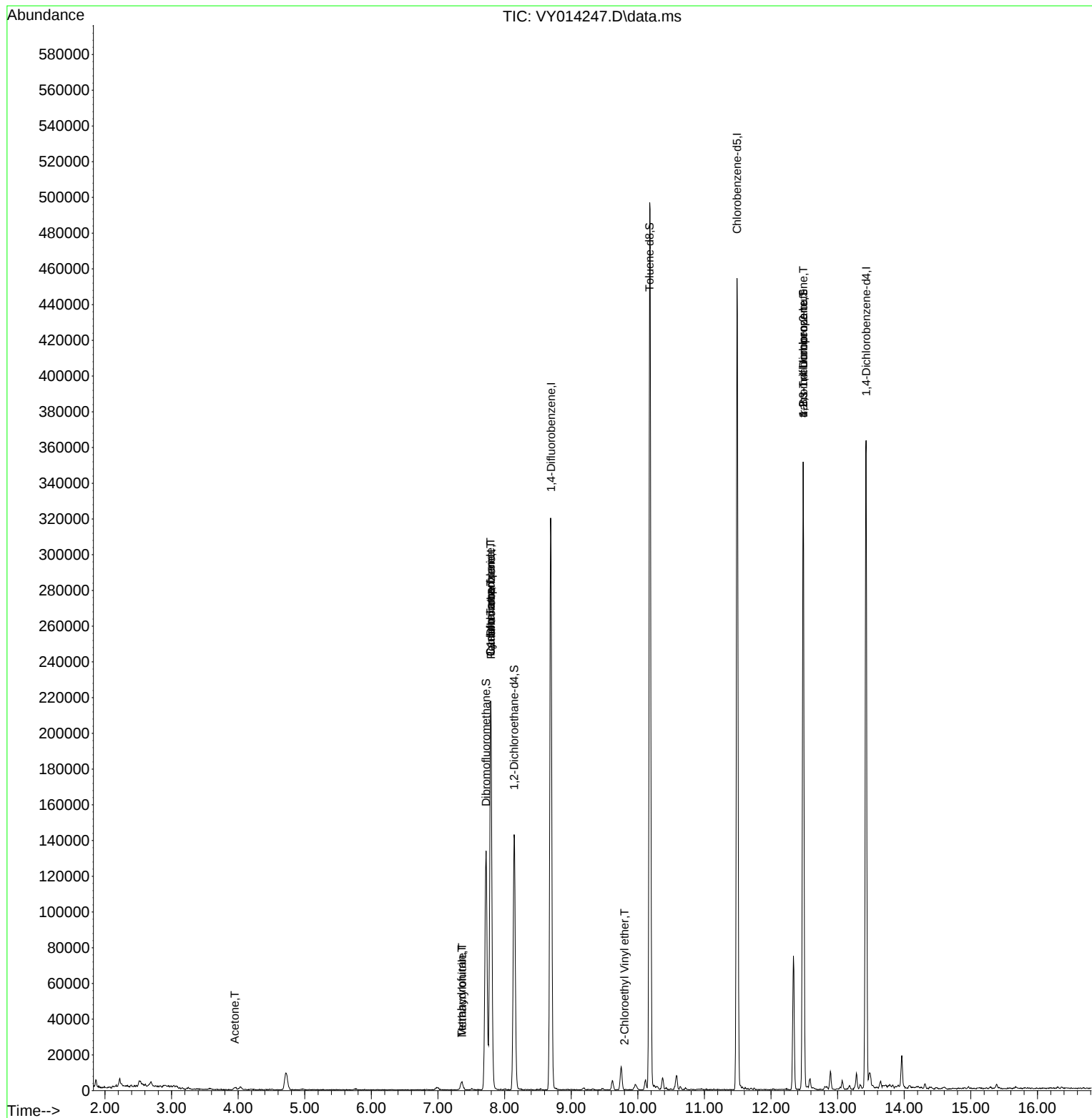
Internal Standards						
1) Pentafluorobenzene	7.795	168	170928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	271455	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	245863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	118895	49.952	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.900%
35) Dibromofluoromethane	7.722	113	89885	46.691	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.380%
50) Toluene-d8	10.179	98	324259	45.054	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.100%
62) 4-Bromofluorobenzene	12.483	95	95109	37.201	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	841	Below Cal	#	89
13) Acrolein	3.680	56	24	Below Cal	#	14
16) Acetone	3.948	43	2170	3.025	ug/l	94
20) Methylene Chloride	4.722	84	7113	Below Cal		85
29) Tetrahydrofuran	7.356	42	3533	6.309	ug/l	98
31) Cyclohexane	7.789	56	4448	1.395	ug/l #	36
36) 1,1-Dichloropropene	7.789	75	12982	4.326	ug/l #	47
38) Carbon Tetrachloride	7.789	117	16012	4.623	ug/l #	17
41) Methacrylonitrile	7.362	41	2186	2.068	ug/l #	44
58) 2-Chloroethyl Vinyl ether	9.801	63	30	28.643	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	52070	41.463	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52070	89.627	ug/l #	11

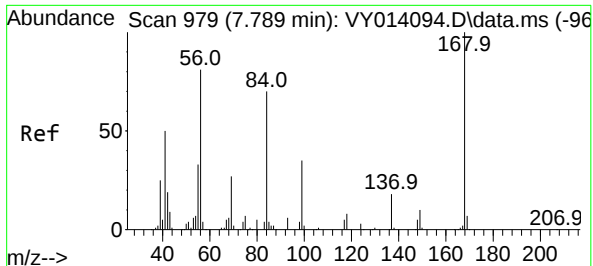
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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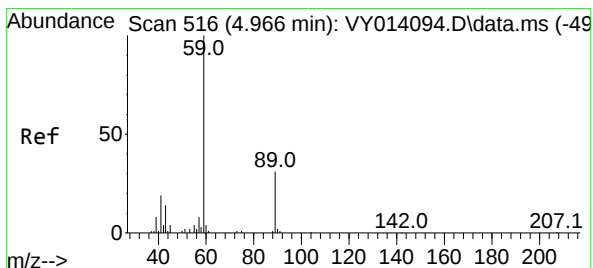
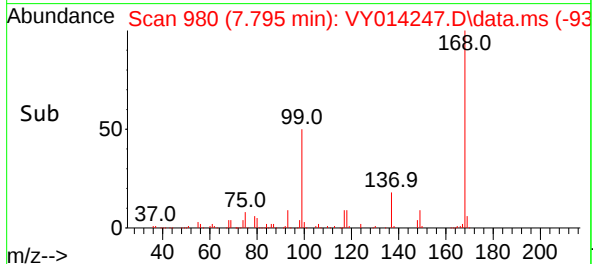
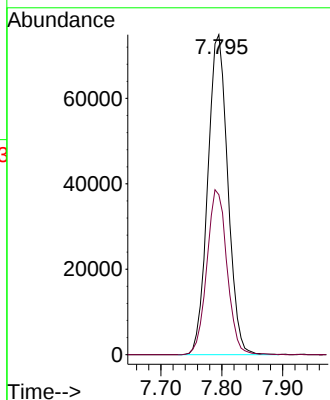
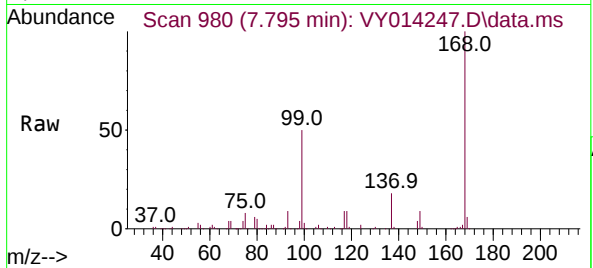




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

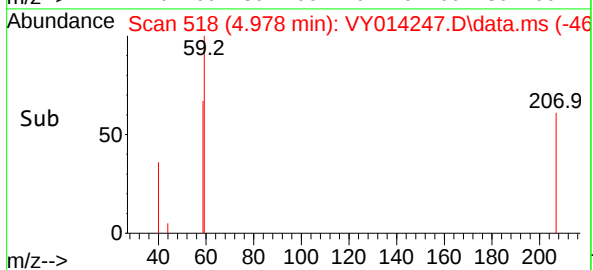
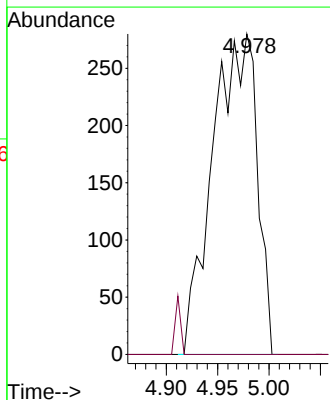
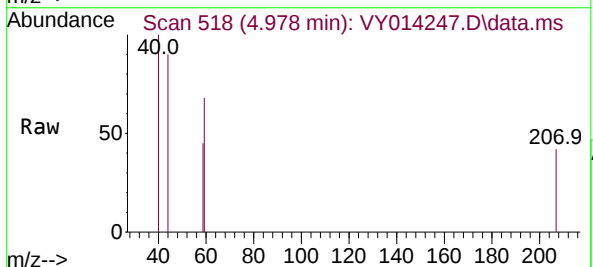
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-03-GRAB-6

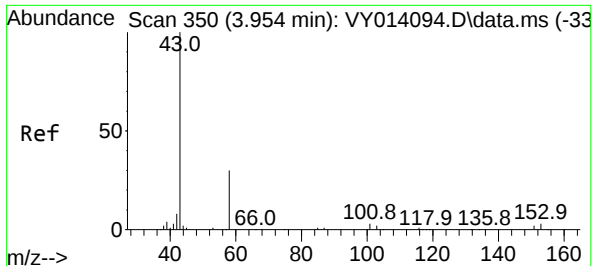
Tgt Ion:168 Resp: 170928
Ion Ratio Lower Upper
168 100
99 50.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

Tgt Ion: 59 Resp: 841
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

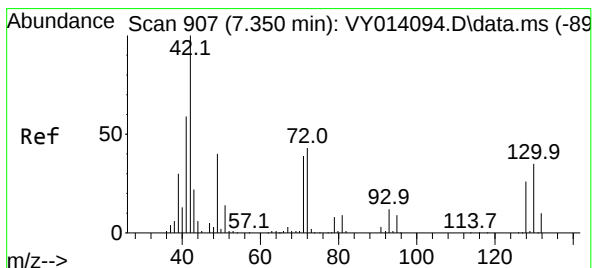
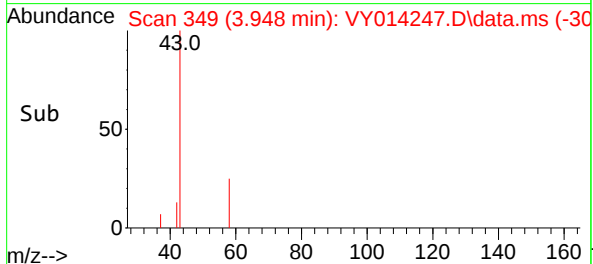
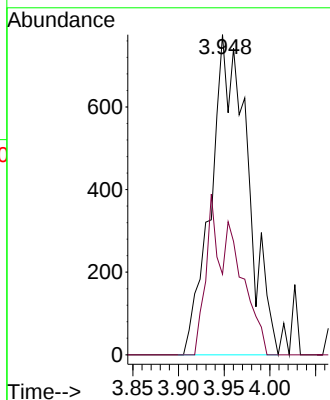
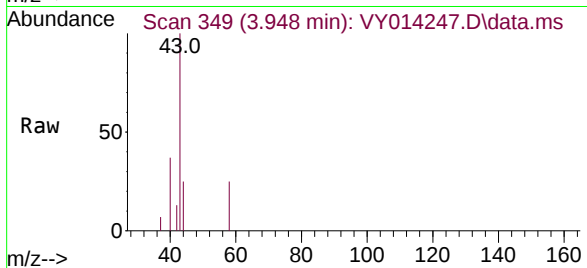




#16
Acetone
Concen: 3.025 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

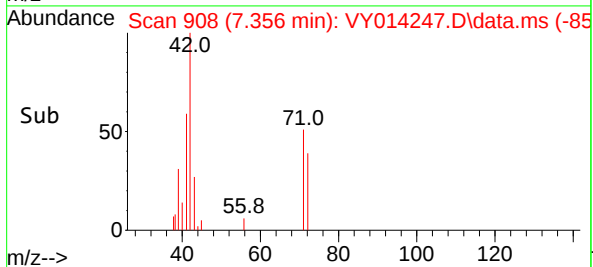
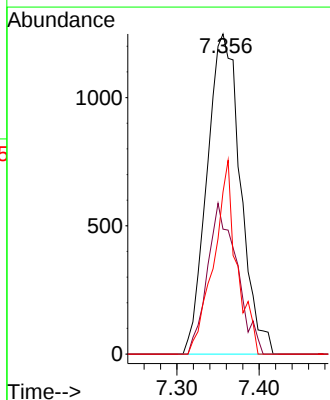
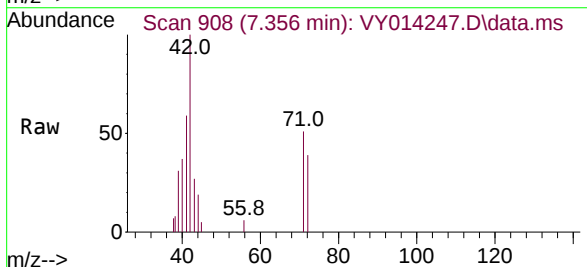
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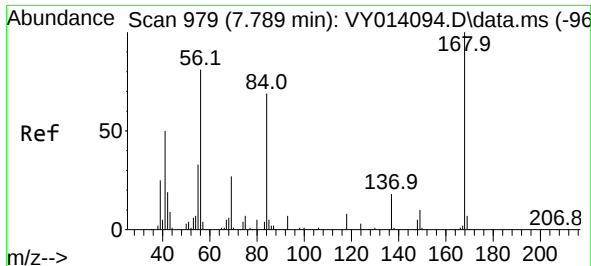
Tgt Ion: 43 Resp: 2170
Ion Ratio Lower Upper
43 100
58 25.2 22.7 34.1



#29
Tetrahydrofuran
Concen: 6.309 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

Tgt Ion: 42 Resp: 3533
Ion Ratio Lower Upper
42 100
72 41.4 32.8 49.2
71 41.4 31.0 46.4

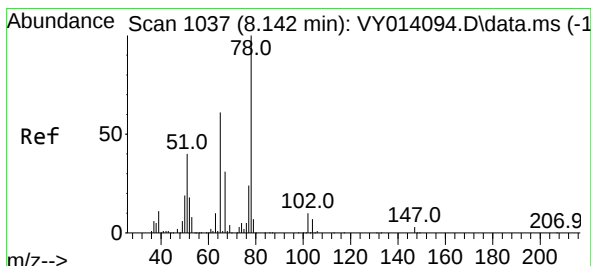
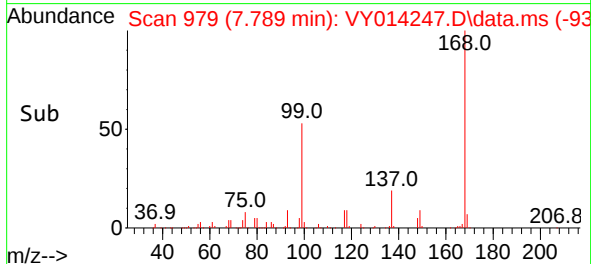
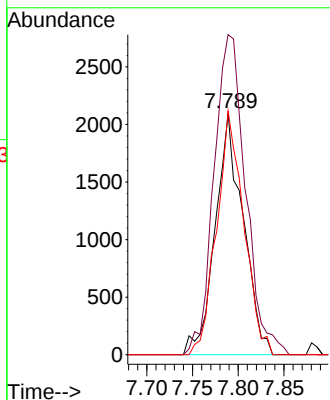
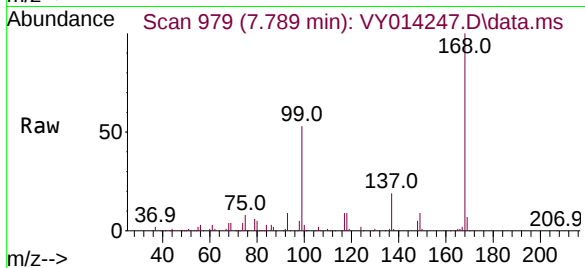




#31
Cyclohexane
Concen: 1.395 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

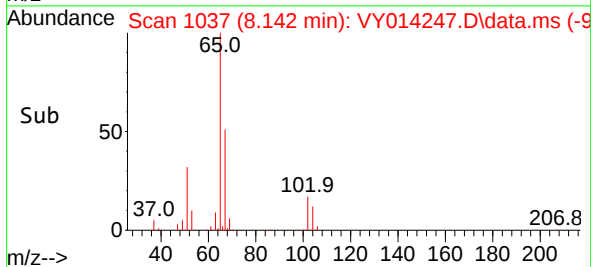
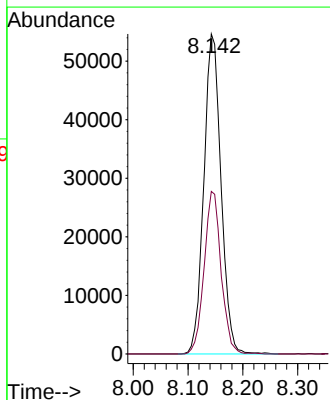
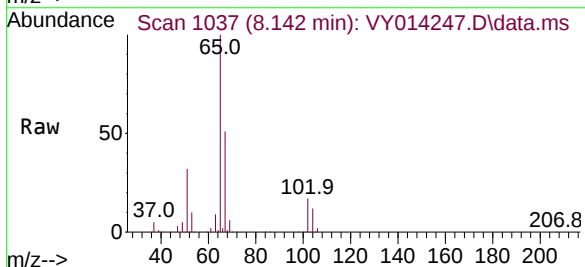
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-03-GRAB-6

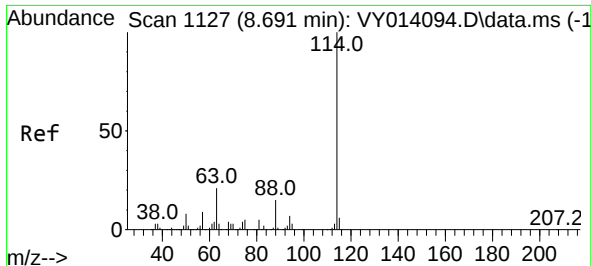
Tgt Ion: 56 Resp: 4448
Ion Ratio Lower Upper
56 100
69 132.4 27.8 41.6#
84 100.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.952 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

Tgt Ion: 65 Resp: 118895
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8

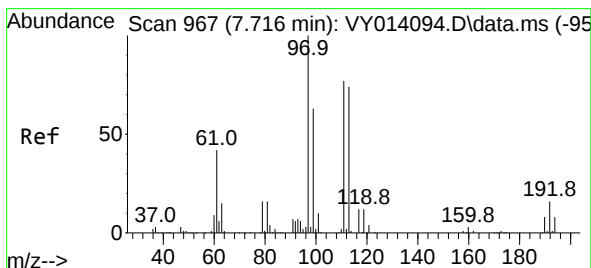
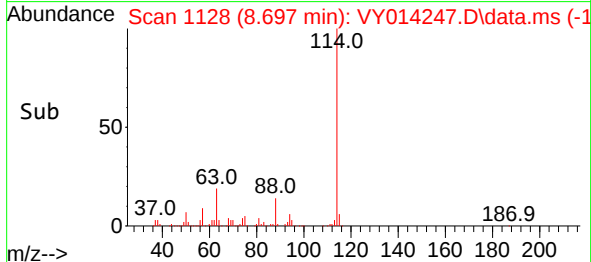
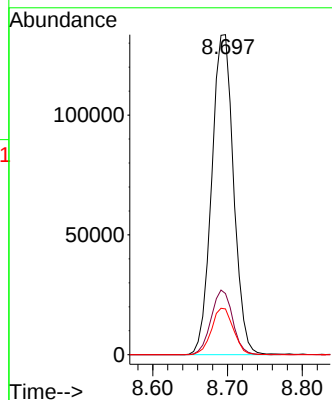
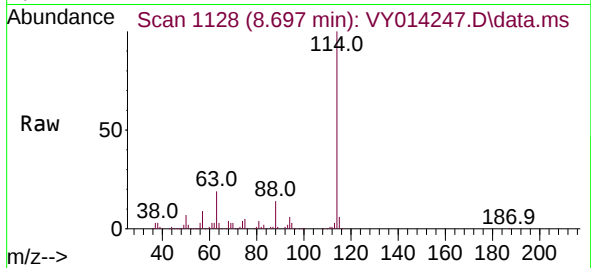




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

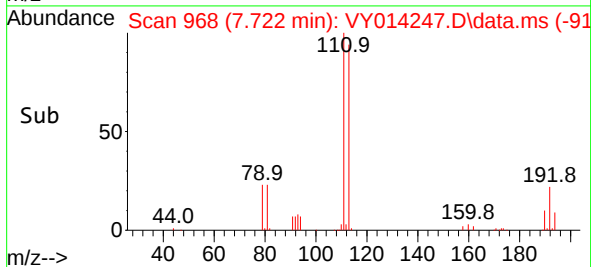
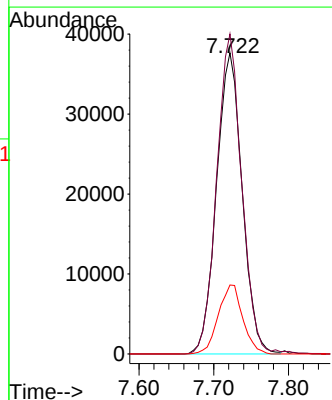
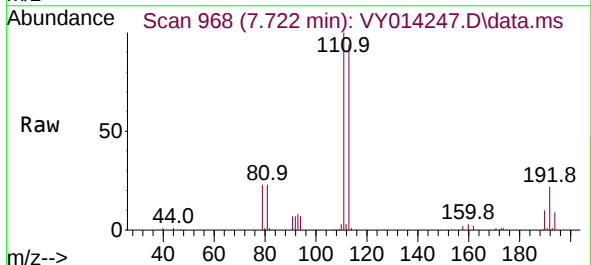
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-03-GRAB-6

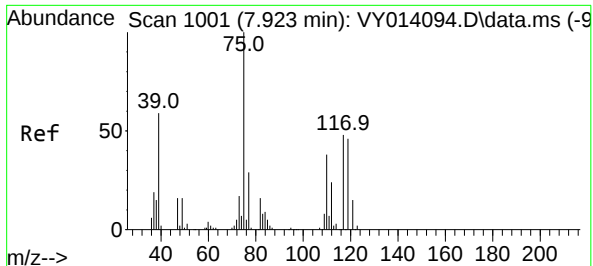
Tgt Ion:114 Resp: 271455
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 14.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.691 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

Tgt Ion:113 Resp: 89885
Ion Ratio Lower Upper
113 100
111 103.8 81.3 121.9
192 21.8 16.9 25.3

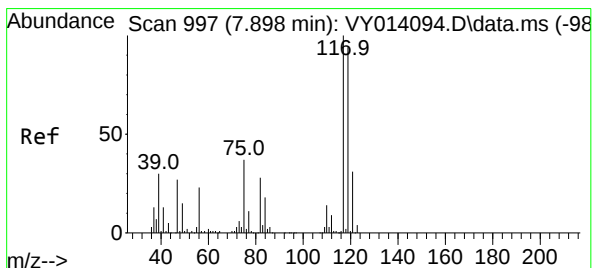
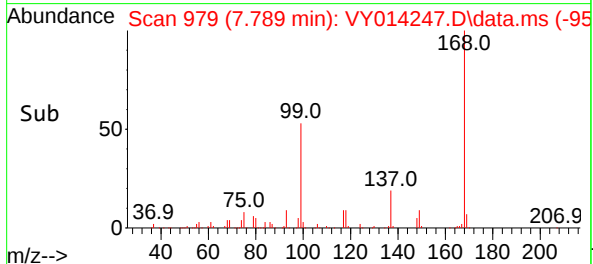
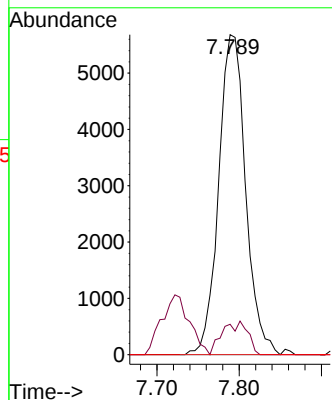
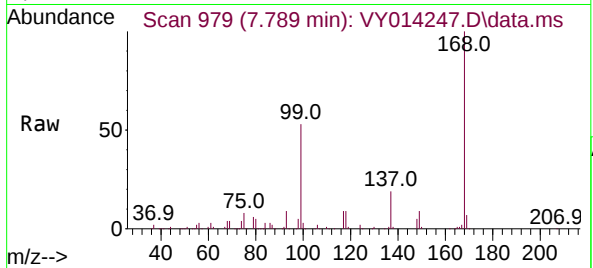




#36
1,1-Dichloropropene
Concen: 4.326 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

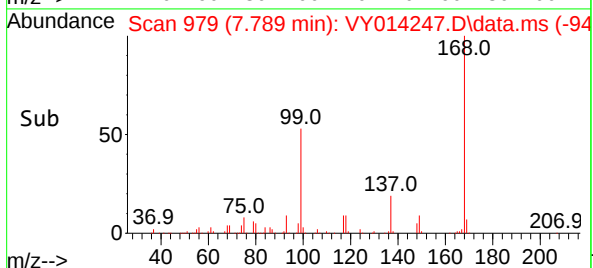
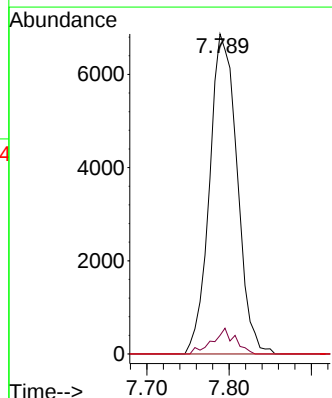
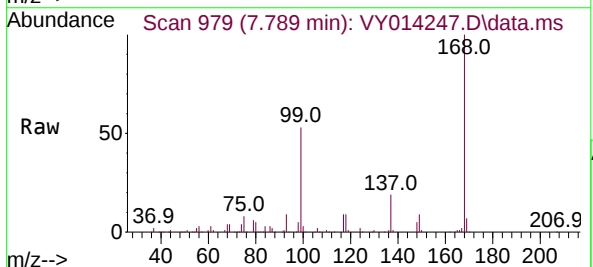
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TOTAL-VOC-TW-03-GRAB-6

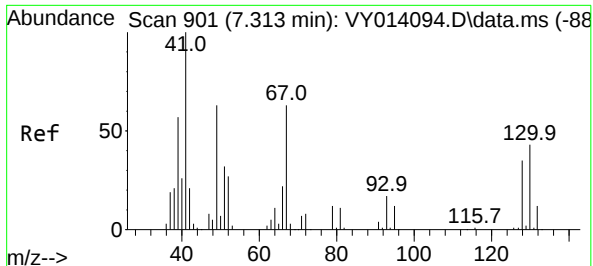
Tgt Ion: 75 Resp: 12982
Ion Ratio Lower Upper
75 100
110 5.7 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.623 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

Tgt Ion:117 Resp: 16012
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 25.8 38.6#

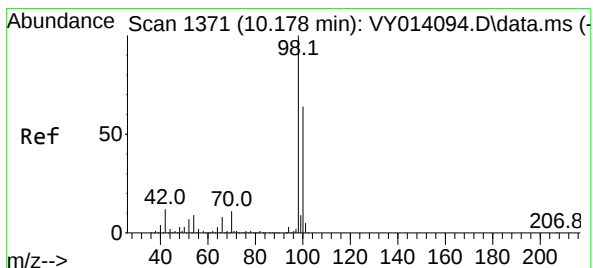
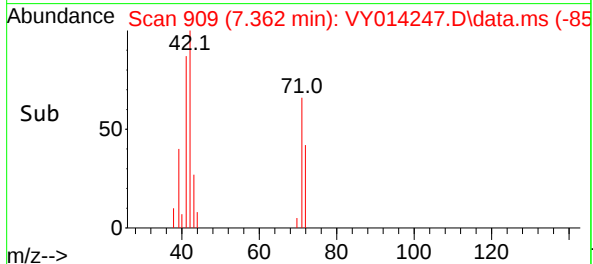
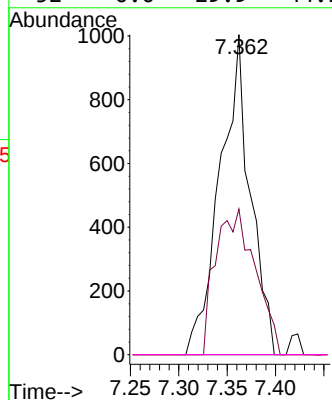
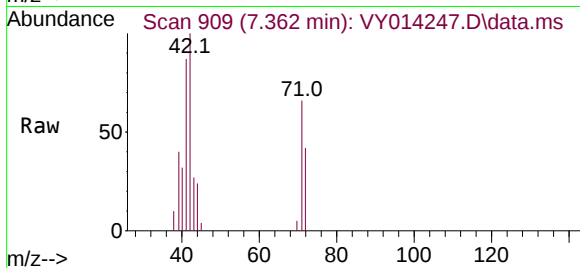




#41
Methacrylonitrile
Concen: 2.068 ug/l
RT: 7.362 min Scan# 901
Delta R.T. 0.049 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

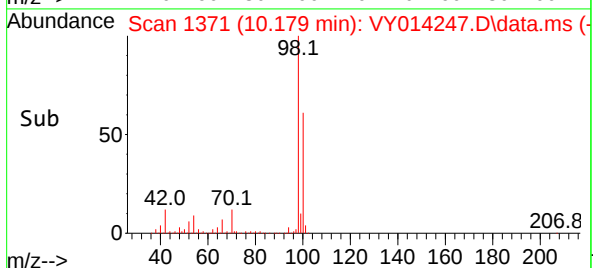
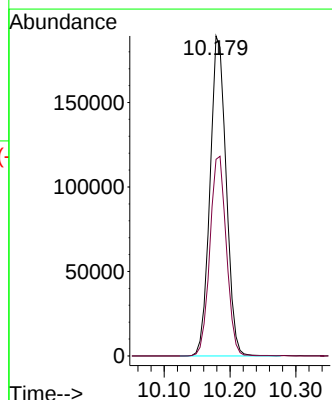
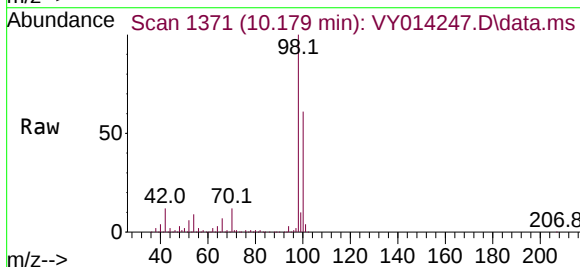
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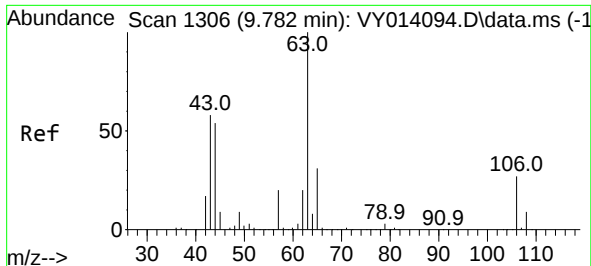
Tgt Ion: 41	Resp: 2186
Ion Ratio	Lower Upper
41 100	
39 59.6	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.054 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

Tgt Ion: 98	Resp: 324259
Ion Ratio	Lower Upper
98 100	
100 63.4	50.1 75.1

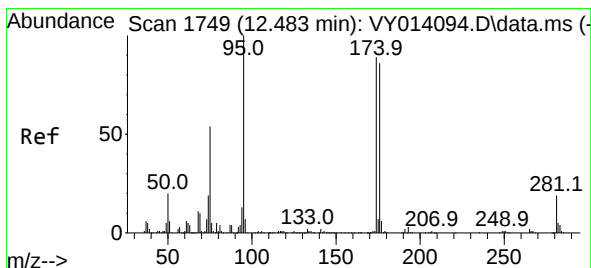
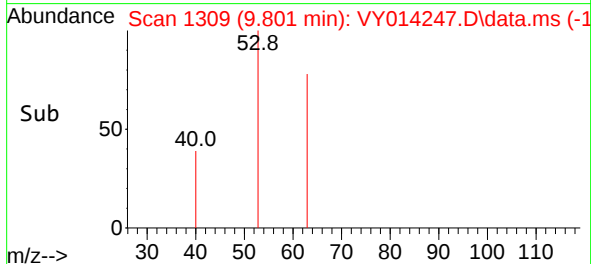
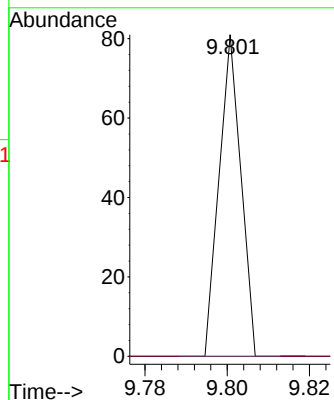
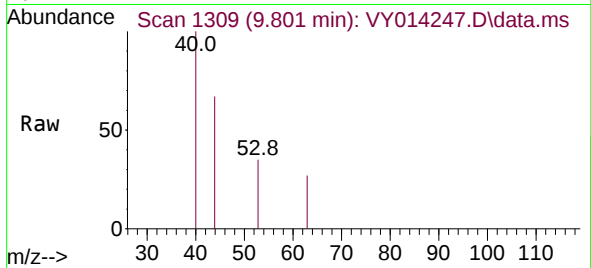




#58
2-Chloroethyl Vinyl ether
Concen: 28.643 ug/l
RT: 9.801 min Scan# 1309
Delta R.T. 0.019 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

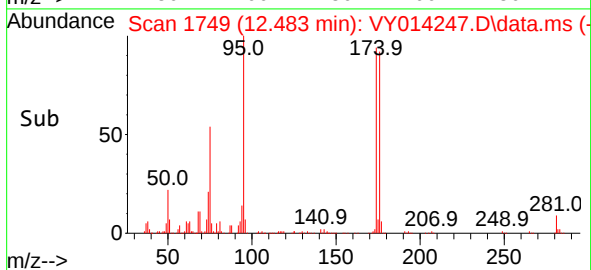
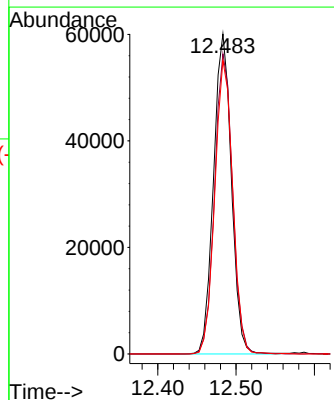
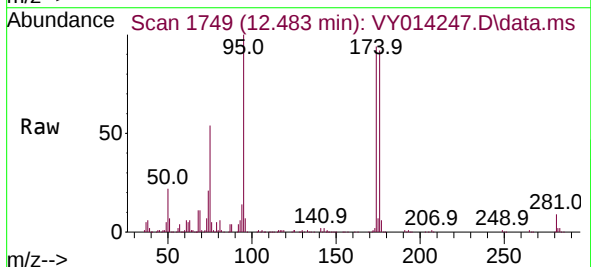
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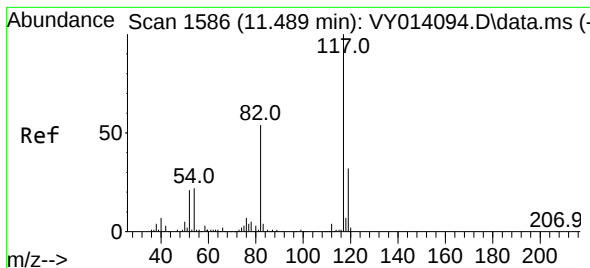
Tgt Ion: 63 Resp: 30
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 37.201 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

Tgt Ion: 95 Resp: 95109
Ion Ratio Lower Upper
95 100
174 94.2 0.0 178.2
176 91.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014247.D

Acq: 19 Jun 2023 22:50

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-03-GRAB-6

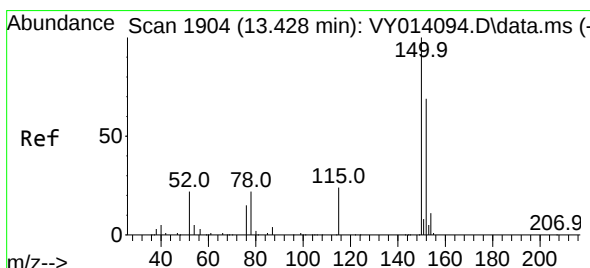
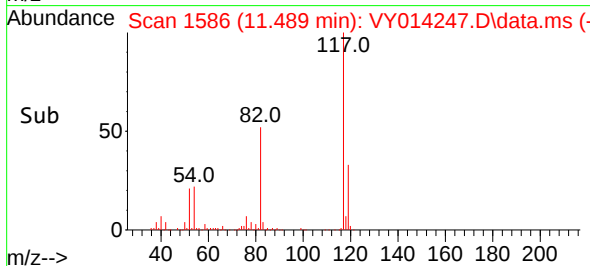
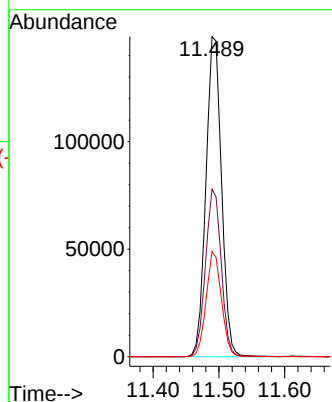
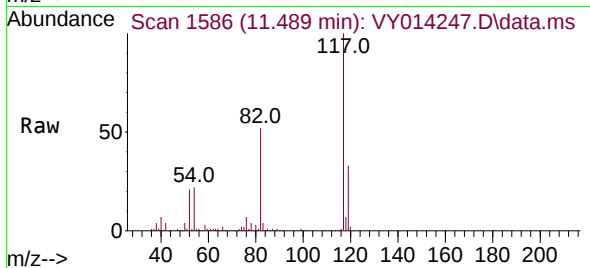
Tgt Ion:117 Resp: 245863

Ion Ratio Lower Upper

117 100

82 52.3 43.4 65.0

119 32.8 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: VY014247.D

Acq: 19 Jun 2023 22:50

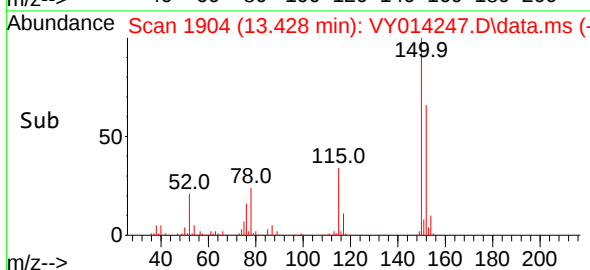
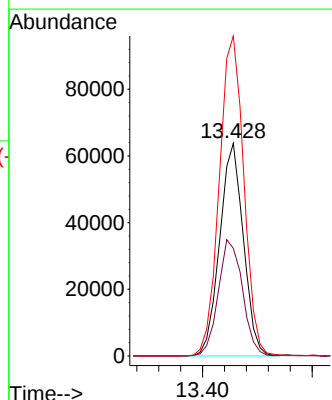
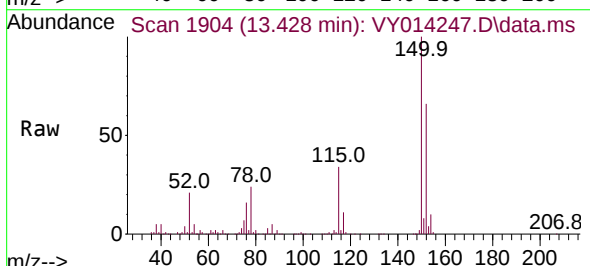
Tgt Ion:152 Resp: 95720

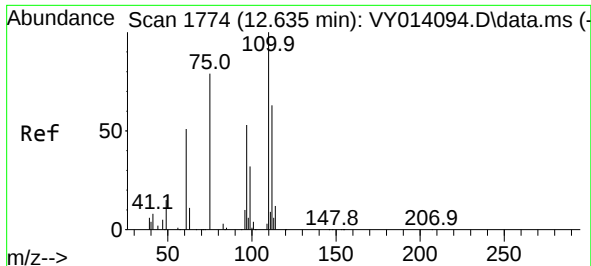
Ion Ratio Lower Upper

152 100

115 56.1 28.8 86.5

150 155.7 0.0 348.8

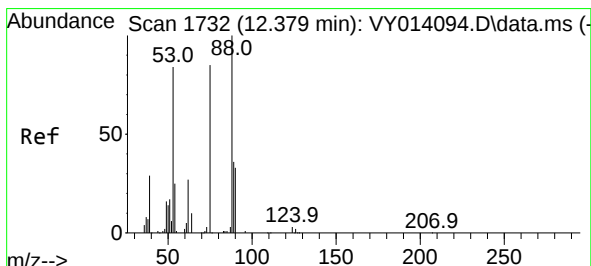
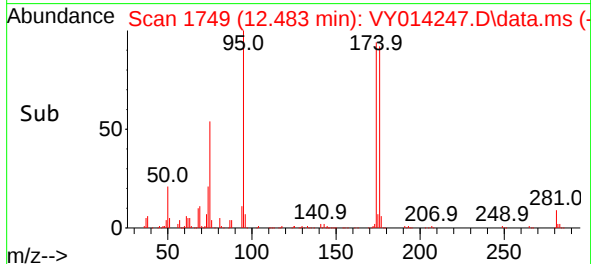
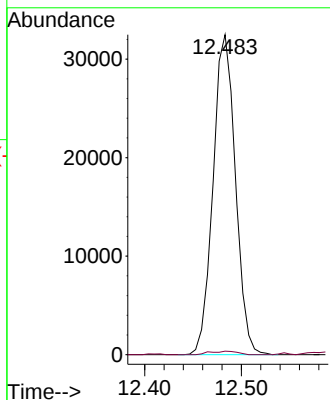
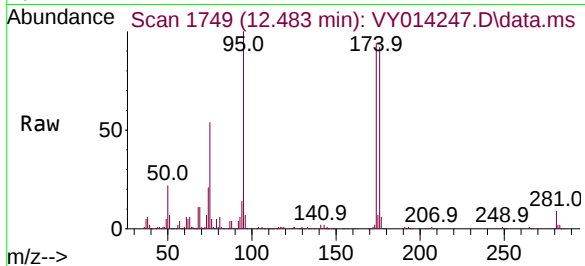




#76
1,2,3-Trichloropropane
Concen: 41.463 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-03-GRAB-6

Tgt Ion: 75 Resp: 52070
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.627 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014247.D
Acq: 19 Jun 2023 22:50

Tgt Ion: 75 Resp: 52070
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 37.4 56.0#

