

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014248.D
 Acq On : 19 Jun 2023 23:13
 Operator : KP/MD
 Sample : 03327-06
 Misc : 2.16g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-03-GRAB-7

Quant Time: Jun 20 05:04:16 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)

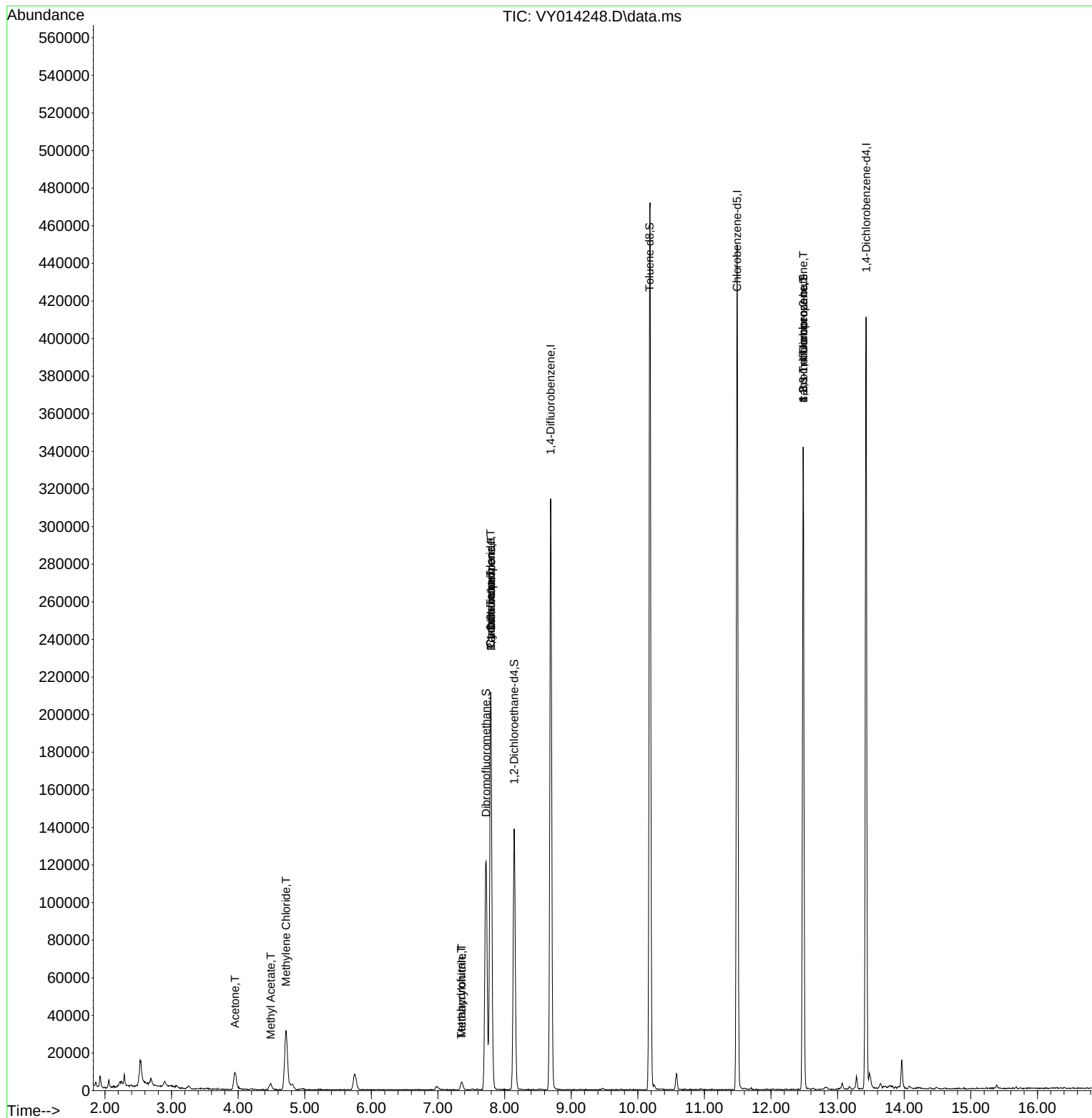
Internal Standards						
1) Pentafluorobenzene	7.795	168	164745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	257841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	237085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	112451	49.017	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.040%
35) Dibromofluoromethane	7.722	113	87524	47.865	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.740%
50) Toluene-d8	10.179	98	312464	45.707	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.420%
62) 4-Bromofluorobenzene	12.483	95	93302	38.421	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.840%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	1103	Below Cal		100
16) Acetone	3.954	43	16894	24.430	ug/l	95
18) Methyl Acetate	4.491	43	6160	2.295	ug/l	100
20) Methylene Chloride	4.716	84	23337	7.525	ug/l	91
29) Tetrahydrofuran	7.350	42	2888	5.350	ug/l #	52
31) Cyclohexane	7.789	56	3996	1.300	ug/l #	34
36) 1,1-Dichloropropene	7.795	75	12235	4.292	ug/l #	51
38) Carbon Tetrachloride	7.789	117	15824	4.810	ug/l #	16
41) Methacrylonitrile	7.356	41	2290	2.281	ug/l #	36
76) 1,2,3-Trichloropropane	12.483	75	51250	37.529	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51250	81.124	ug/l #	11

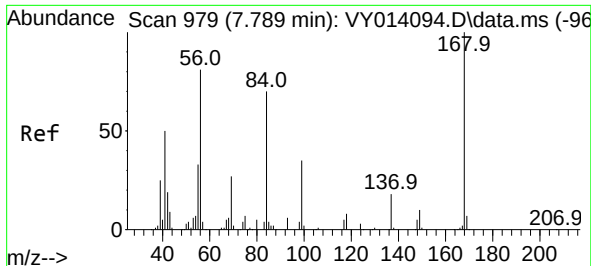
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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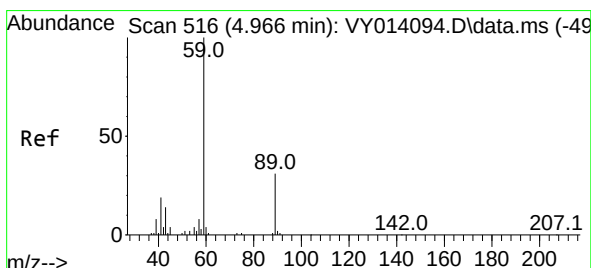
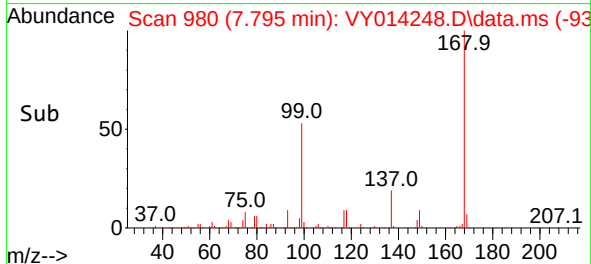
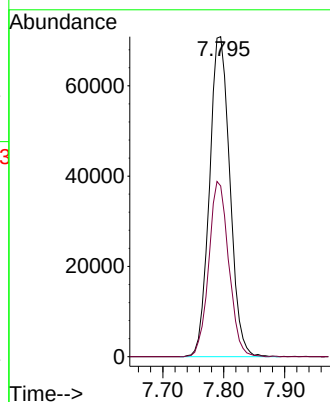
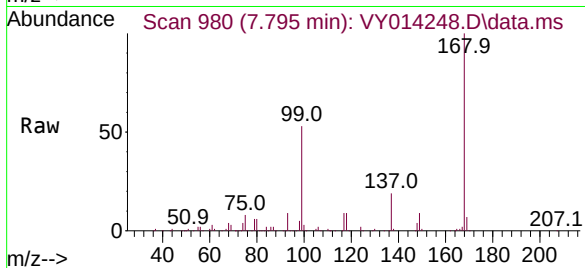




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014248.D
Acq: 19 Jun 2023 23:13

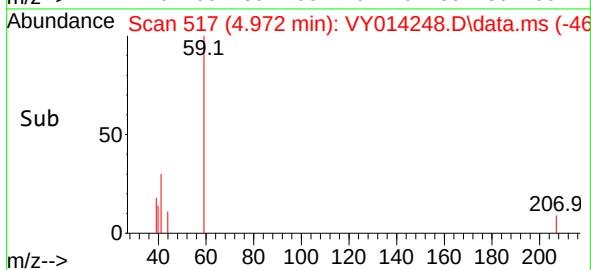
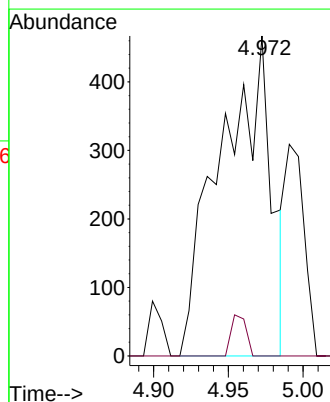
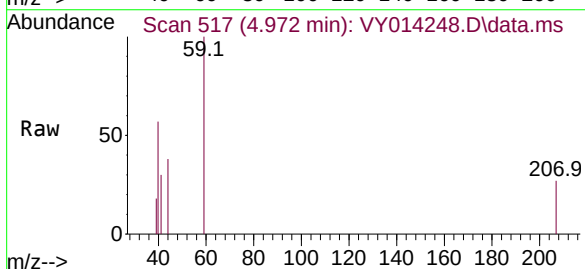
Instrument :
MSVOA_Y
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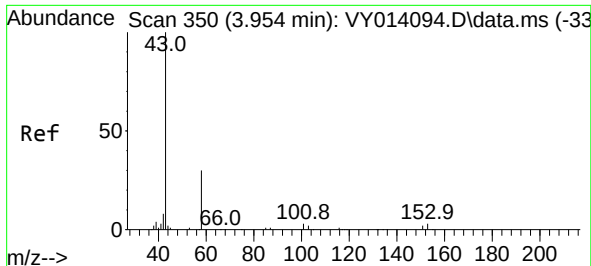
Tgt Ion:168 Resp: 164745
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014248.D
Acq: 19 Jun 2023 23:13

Tgt Ion: 59 Resp: 1103
Ion Ratio Lower Upper
59 100
57 3.8 3.0 4.4

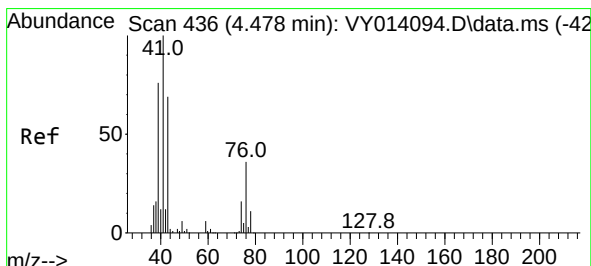
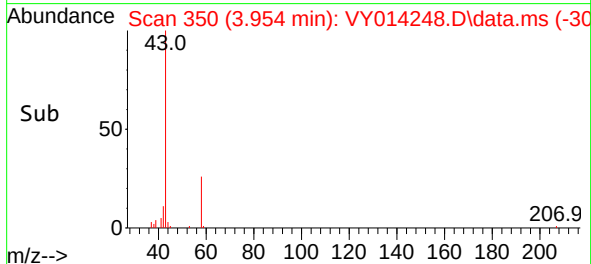
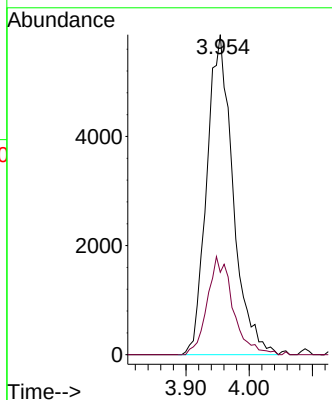
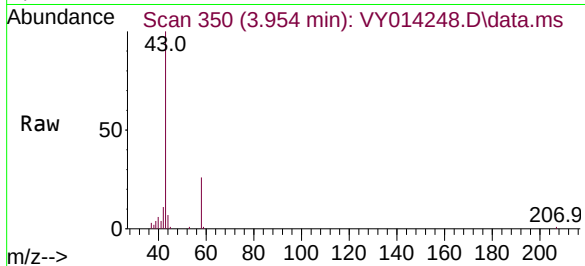




#16
Acetone
Concen: 24.430 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014248.D
Acq: 19 Jun 2023 23:13

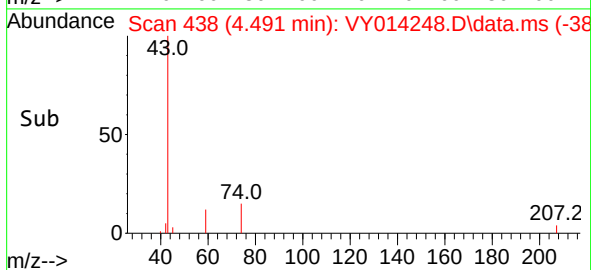
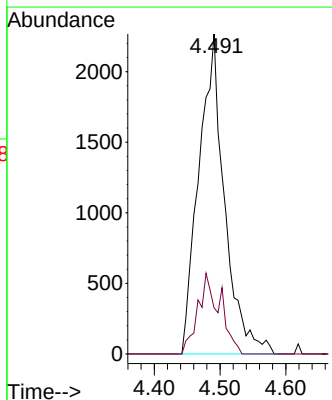
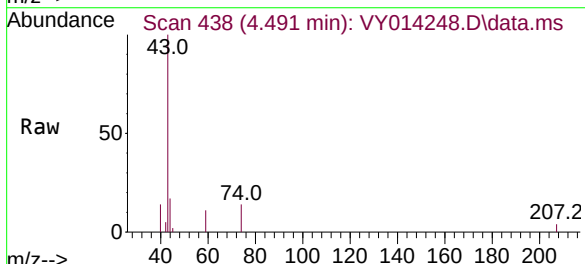
Instrument :
MSVOA_Y
ClientSampleId :
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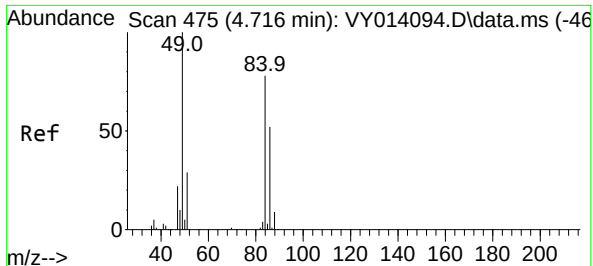
Tgt Ion: 43 Resp: 16894
Ion Ratio Lower Upper
43 100
58 25.8 22.7 34.1



#18
Methyl Acetate
Concen: 2.295 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.013 min
Lab File: VY014248.D
Acq: 19 Jun 2023 23:13

Tgt Ion: 43 Resp: 6160
Ion Ratio Lower Upper
43 100
74 21.7 17.4 26.0

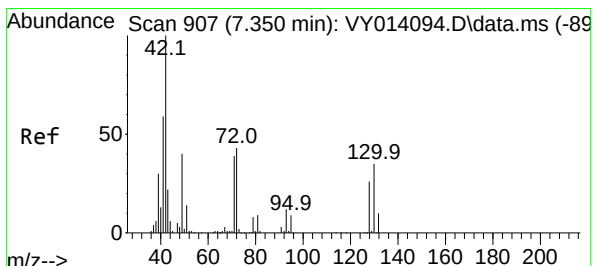
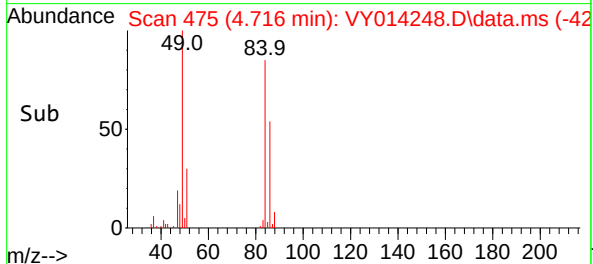
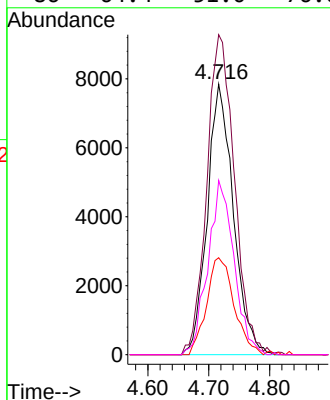
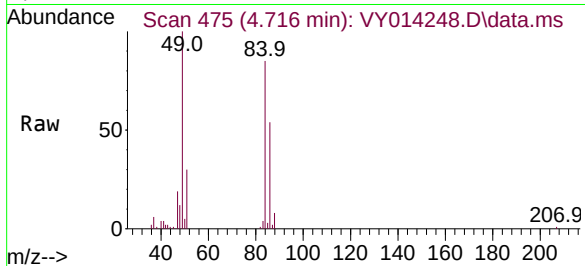




#20
Methylene Chloride
Concen: 7.525 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014248.D
Acq: 19 Jun 2023 23:13

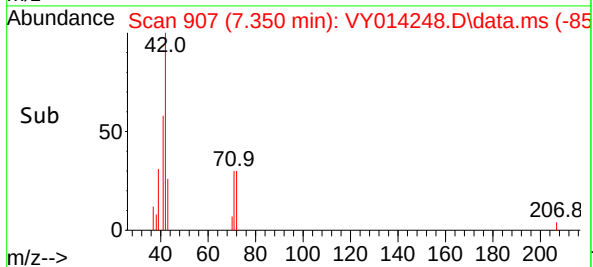
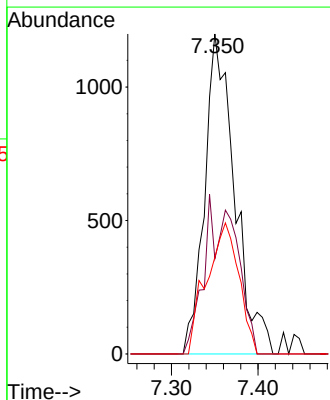
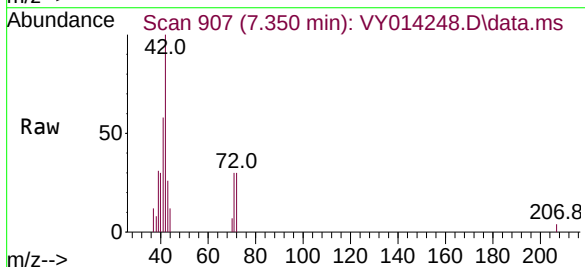
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-03-GRAB-7

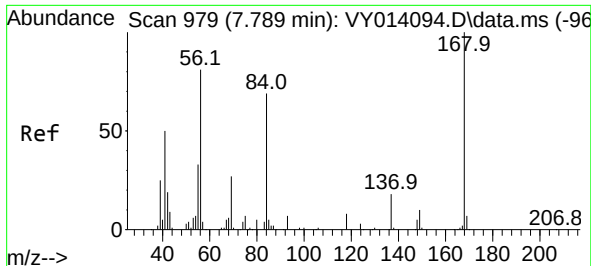
Tgt Ion:	84	Resp:	23337
Ion	Ratio	Lower	Upper
84	100		
49	118.3	106.9	160.3
51	35.9	33.2	49.8
86	64.4	51.0	76.6



#29
Tetrahydrofuran
Concen: 5.350 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY014248.D
Acq: 19 Jun 2023 23:13

Tgt Ion:	42	Resp:	2888
Ion	Ratio	Lower	Upper
42	100		
72	20.6	32.8	49.2#
71	0.0	31.0	46.4#

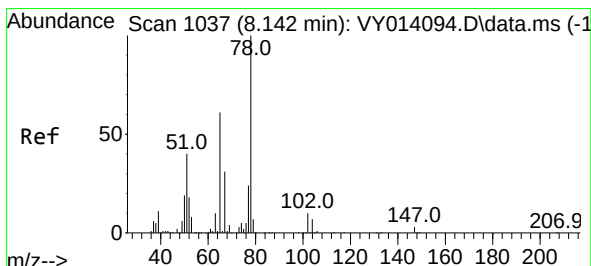
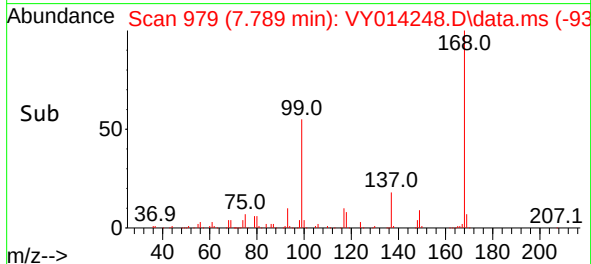
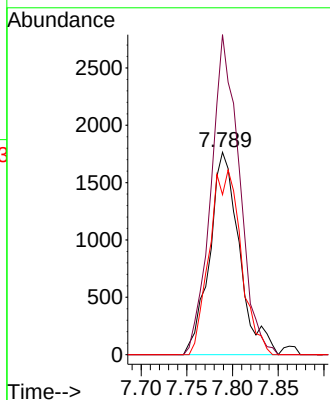
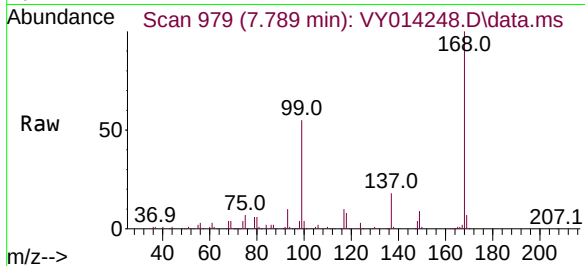




#31
Cyclohexane
Concen: 1.300 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014248.D
Acq: 19 Jun 2023 23:13

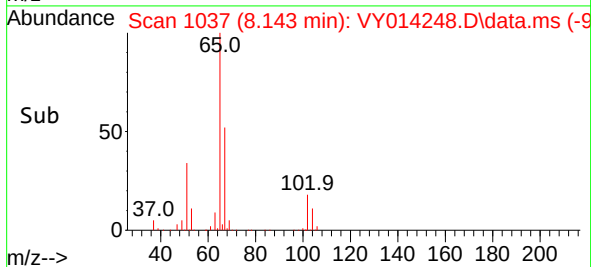
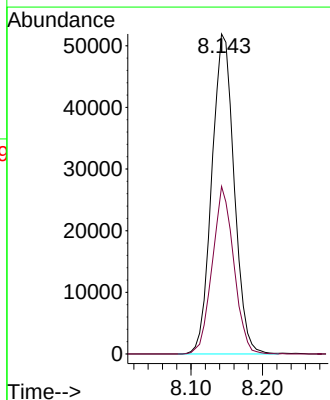
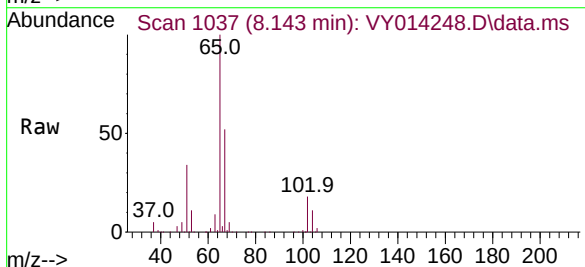
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-03-GRAB-7

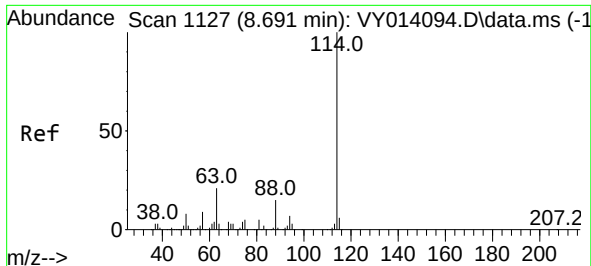
Tgt Ion: 56 Resp: 3996
Ion Ratio Lower Upper
56 100
69 158.1 27.8 41.6#
84 79.0 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 49.017 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014248.D
Acq: 19 Jun 2023 23:13

Tgt Ion: 65 Resp: 112451
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.8

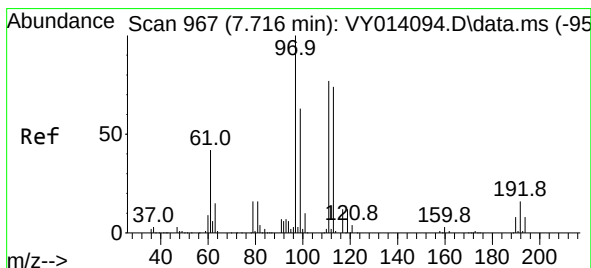
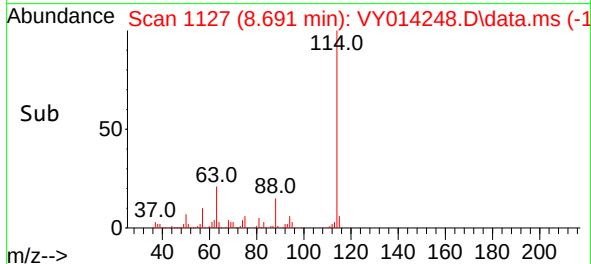
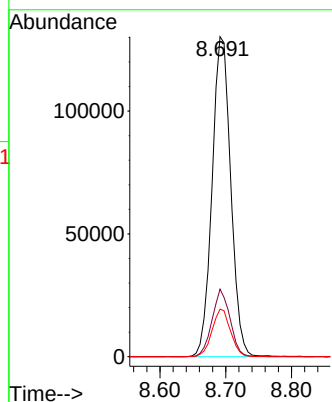
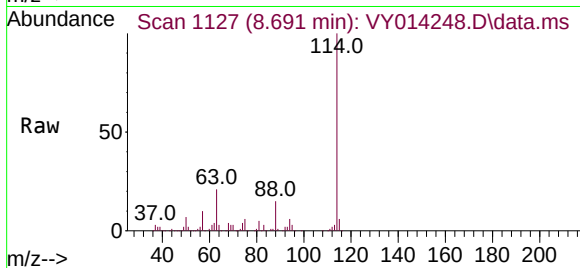




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014248.D
 Acq: 19 Jun 2023 23:13

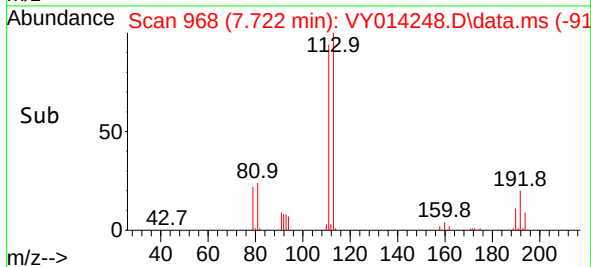
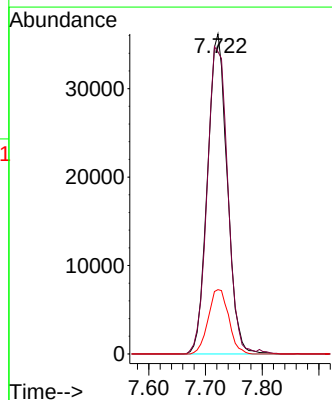
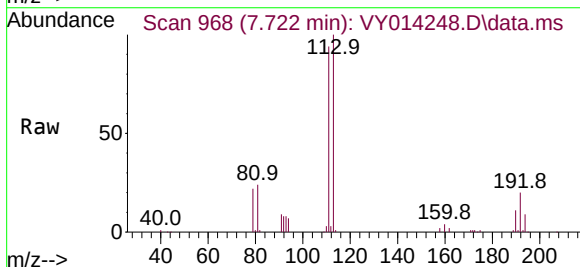
Instrument :
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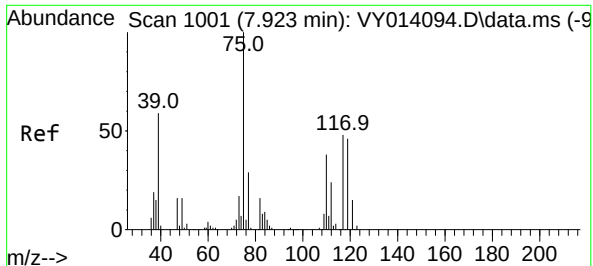
Tgt Ion:	114	Resp:	257841
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.4
88	14.9	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 47.865 ug/l
 RT: 7.722 min Scan# 968
 Delta R.T. 0.006 min
 Lab File: VY014248.D
 Acq: 19 Jun 2023 23:13

Tgt Ion:	113	Resp:	87524
Ion	Ratio	Lower	Upper
113	100		
111	99.8	81.3	121.9
192	20.8	16.9	25.3





#36

1,1-Dichloropropene

Concen: 4.292 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY014248.D

Acq: 19 Jun 2023 23:13

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-03-GRAB-7

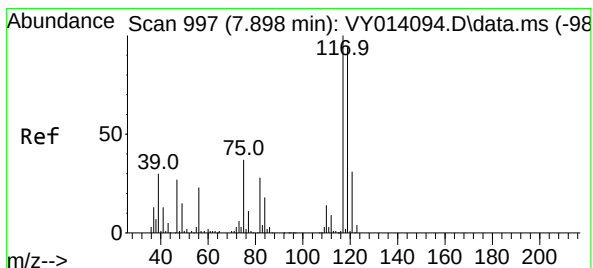
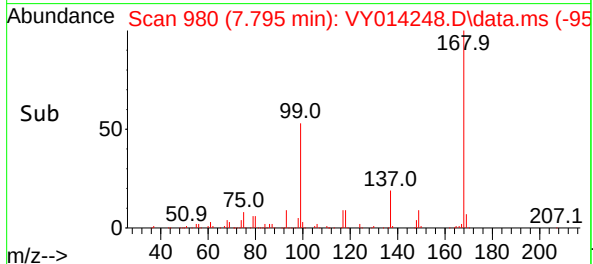
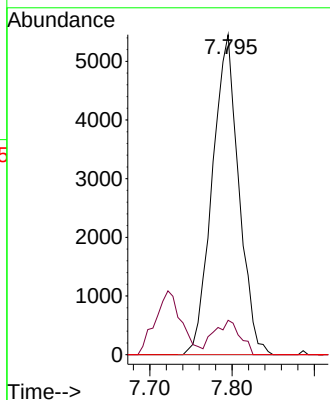
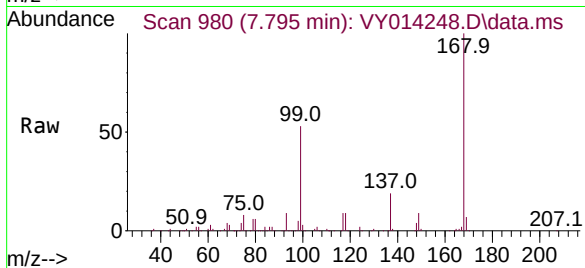
Tgt Ion: 75 Resp: 12235

Ion Ratio Lower Upper

75 100

110 10.5 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.810 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY014248.D

Acq: 19 Jun 2023 23:13

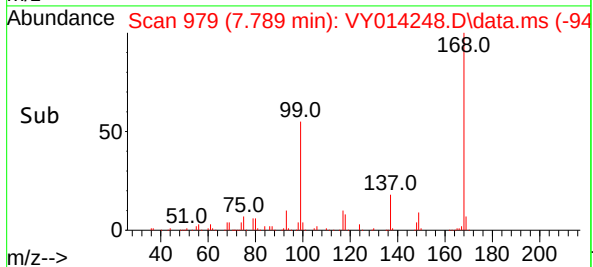
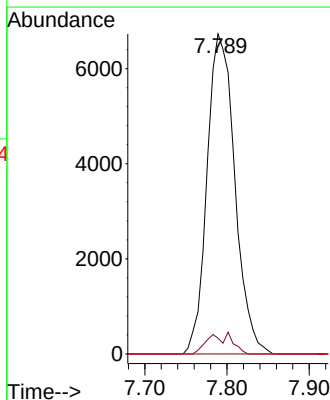
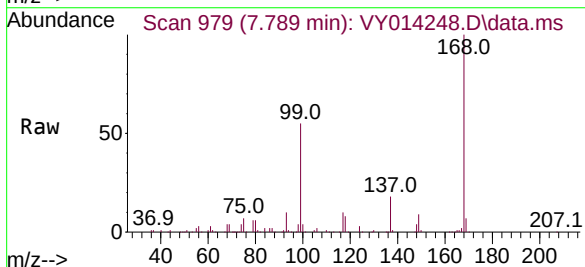
Tgt Ion: 117 Resp: 15824

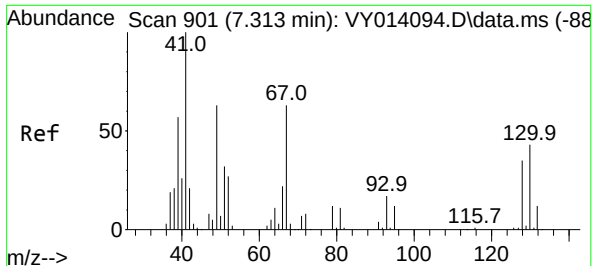
Ion Ratio Lower Upper

117 100

119 4.9 76.4 114.6#

121 0.0 25.8 38.6#

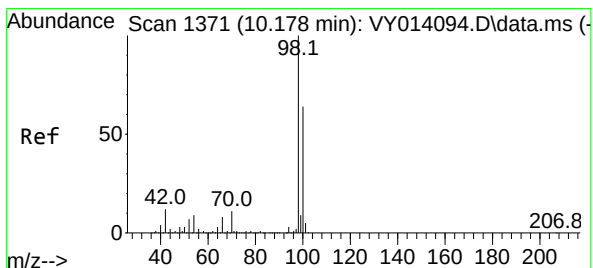
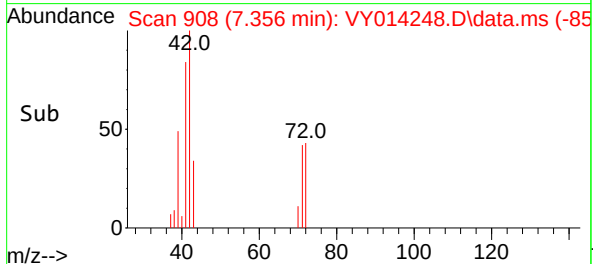
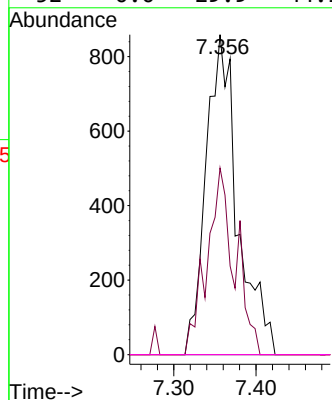
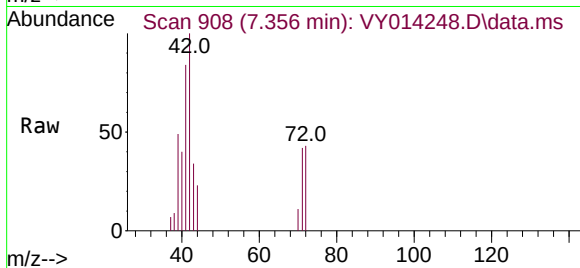




#41
Methacrylonitrile
Concen: 2.281 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY014248.D
Acq: 19 Jun 2023 23:13

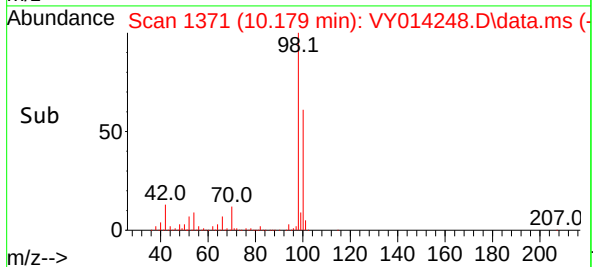
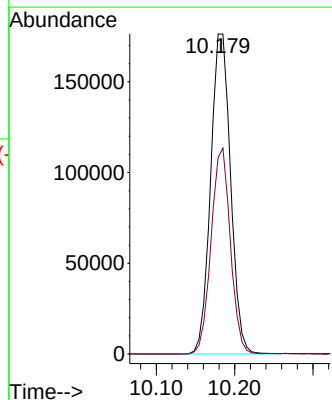
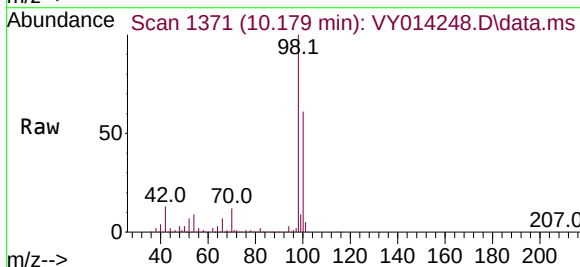
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-03-GRAB-7

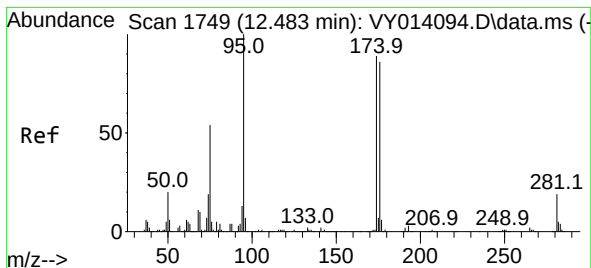
Tgt Ion: 41	Resp: 2290
Ion Ratio	Lower Upper
41 100	
39 41.7	52.1 78.1#
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.707 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014248.D
Acq: 19 Jun 2023 23:13

Tgt Ion: 98	Resp: 312464
Ion Ratio	Lower Upper
98 100	
100 62.2	50.1 75.1

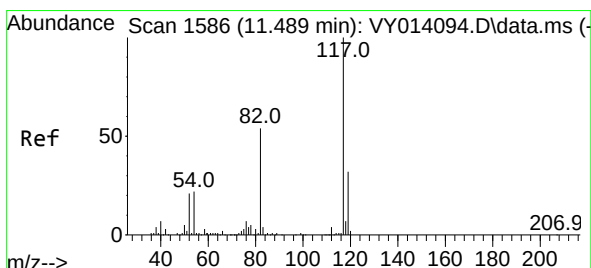
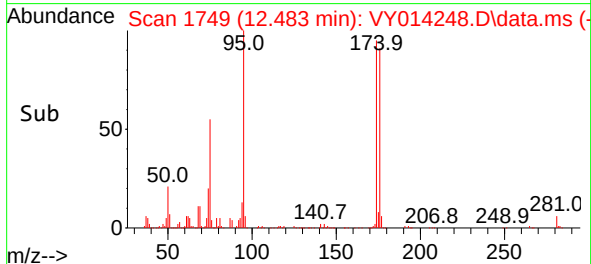
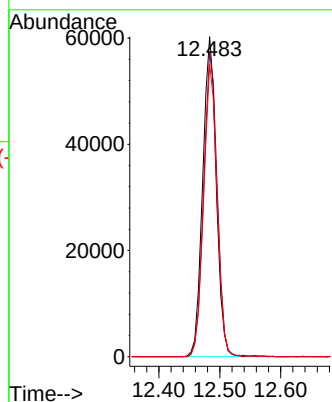
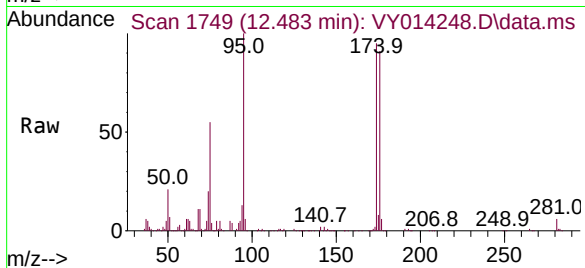




#62
4-Bromofluorobenzene
Concen: 38.421 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014248.D
Acq: 19 Jun 2023 23:13

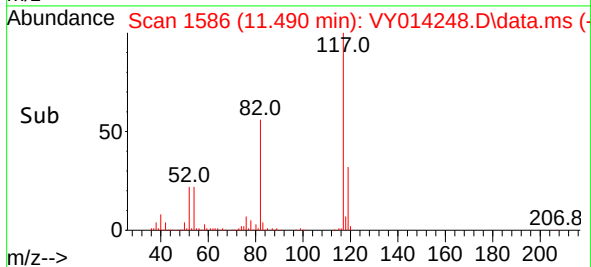
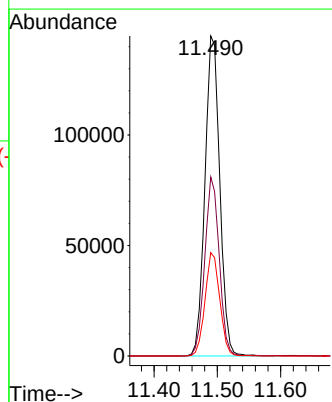
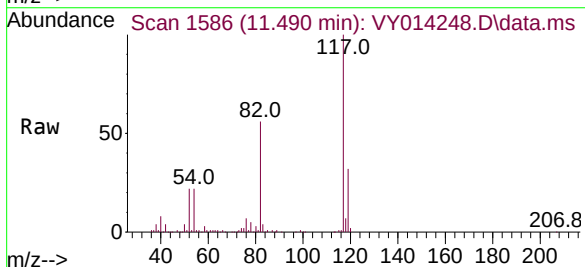
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-03-GRAB-7

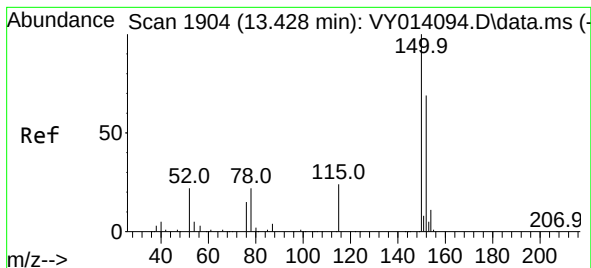
Tgt Ion: 95 Resp: 93302
Ion Ratio Lower Upper
95 100
174 95.3 0.0 178.2
176 90.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014248.D
Acq: 19 Jun 2023 23:13

Tgt Ion: 117 Resp: 237085
Ion Ratio Lower Upper
117 100
82 56.0 43.4 65.0
119 32.3 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: VY014248.D

Acq: 19 Jun 2023 23:13

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-03-GRAB-7

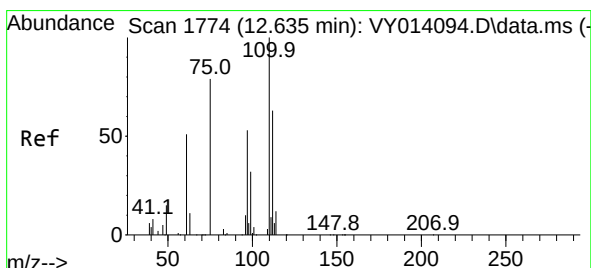
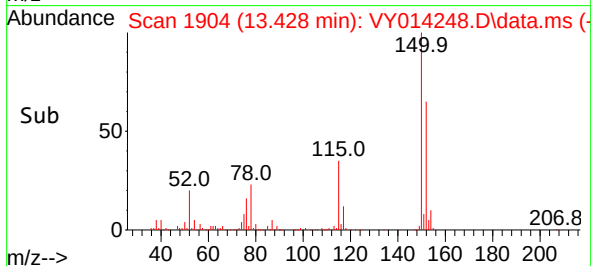
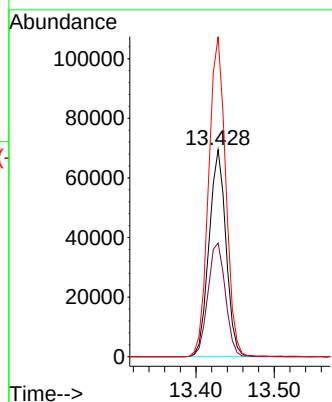
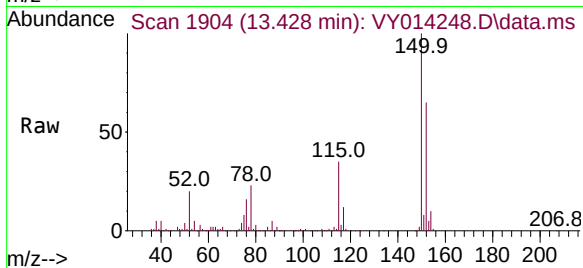
Tgt Ion:152 Resp: 104087

Ion Ratio Lower Upper

152 100

115 56.9 28.8 86.5

150 156.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.529 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014248.D

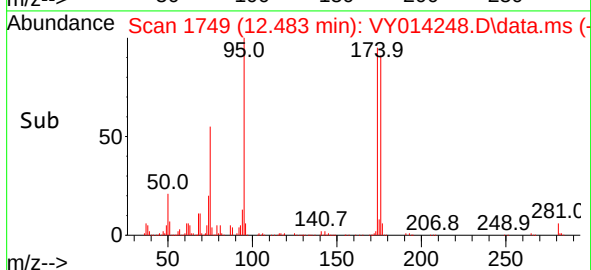
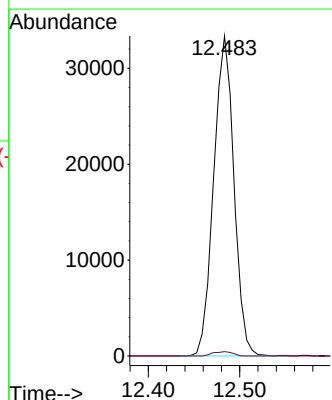
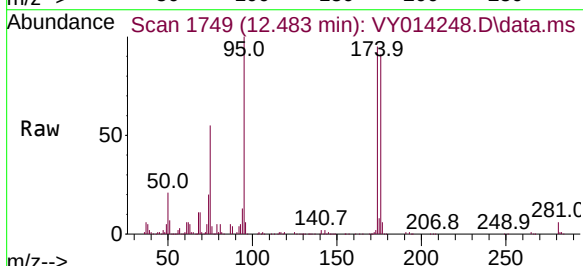
Acq: 19 Jun 2023 23:13

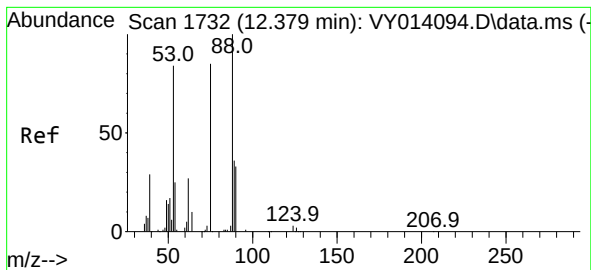
Tgt Ion: 75 Resp: 51250

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.124 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014248.D
 Acq: 19 Jun 2023 23:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-03-GRAB-7

Tgt Ion: 75 Resp: 51250
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.8 116.8#
 89 0.0 37.4 56.0#

