

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014284.D
 Acq On : 20 Jun 2023 15:32
 Operator : KP/MD
 Sample : 03296-17
 Misc : 5.61g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-01-GRAB-6

Quant Time: Jun 21 02:08:12 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)

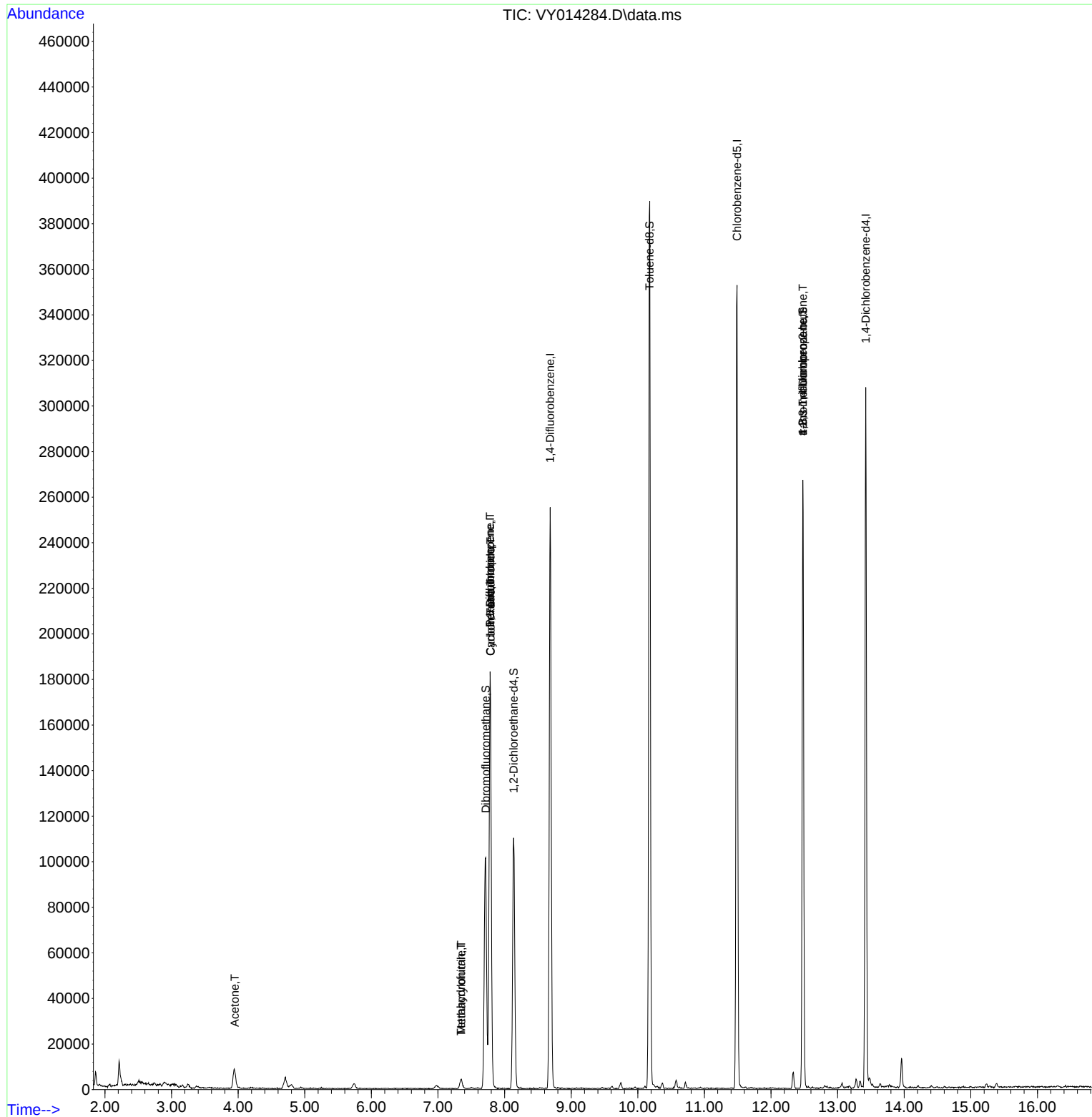
Internal Standards						
1) Pentafluorobenzene	7.783	168	139266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	215066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	193058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	79118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	92312	47.601	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.200%
35) Dibromofluoromethane	7.716	113	70516	46.234	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.460%
50) Toluene-d8	10.179	98	259124	45.444	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.880%
62) 4-Bromofluorobenzene	12.477	95	73720	36.395	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.780%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	457	Below Cal	#	89
13) Acrolein	3.473	56	19	Below Cal	#	14
16) Acetone	3.948	43	15250	26.088	ug/l	89
20) Methylene Chloride	4.710	84	3516	Below Cal		96
29) Tetrahydrofuran	7.344	42	3238	7.096	ug/l	93
31) Cyclohexane	7.789	56	3034	1.168	ug/l	# 28
36) 1,1-Dichloropropene	7.783	75	11263	4.737	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	13440	4.898	ug/l	# 17
41) Methacrylonitrile	7.350	41	2138	2.553	ug/l	# 42
76) 1,2,3-Trichloropropane	12.477	75	40081	38.613	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	40081	83.467	ug/l	# 11

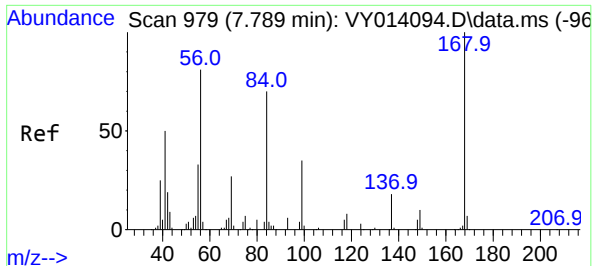
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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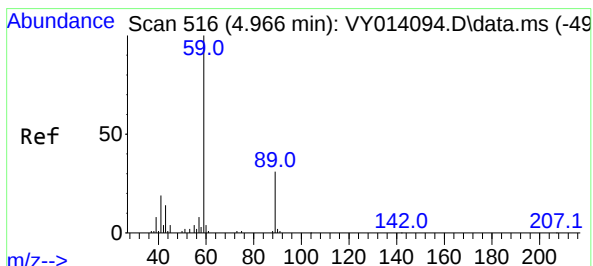
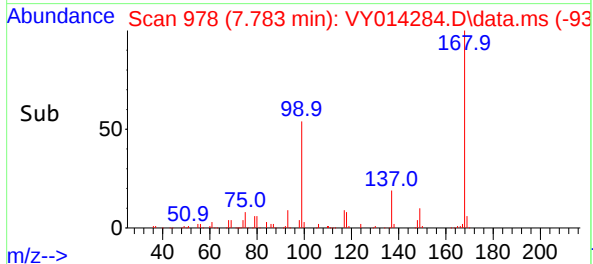
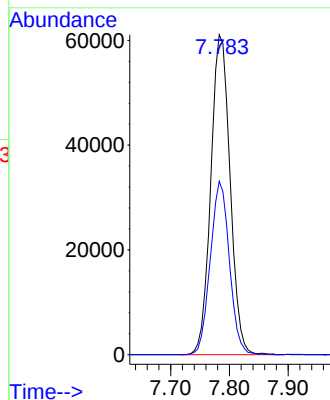
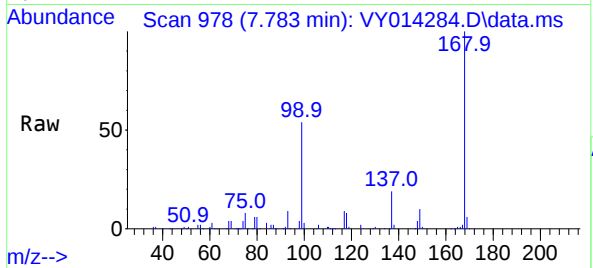




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

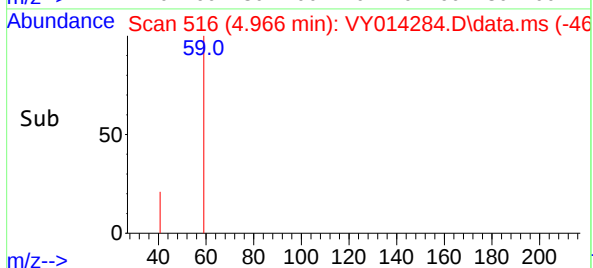
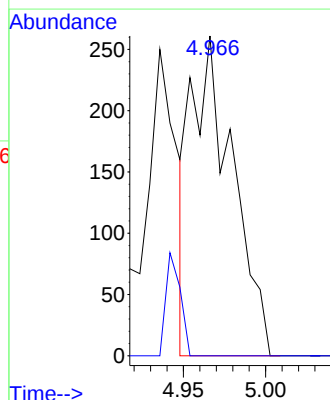
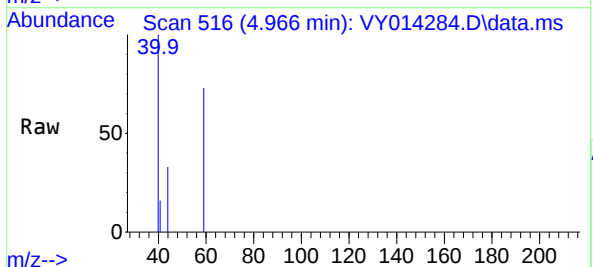
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-6

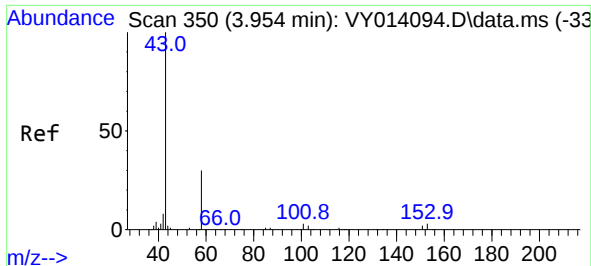
Tgt Ion:168 Resp: 139266
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

Tgt Ion: 59 Resp: 457
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

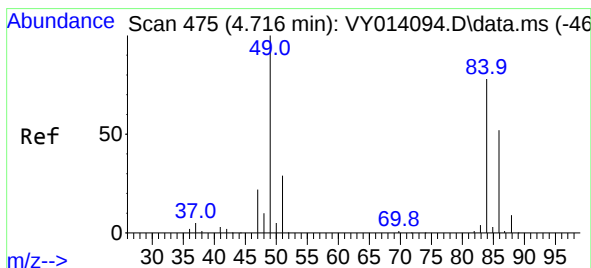
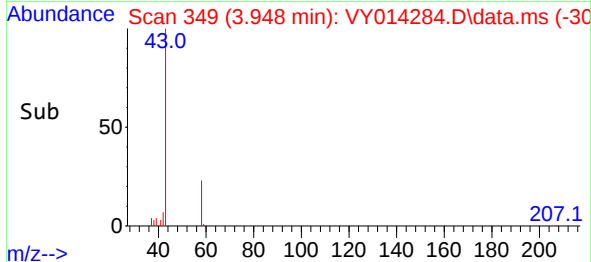
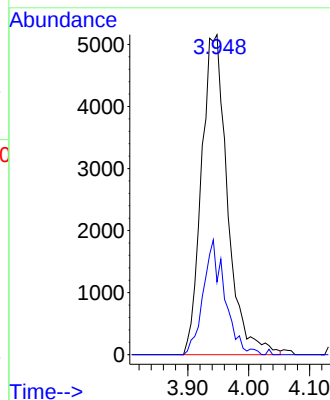
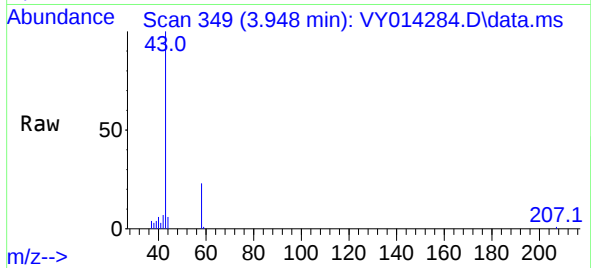




#16
Acetone
Concen: 26.088 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

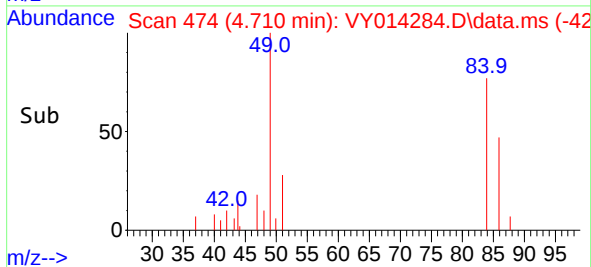
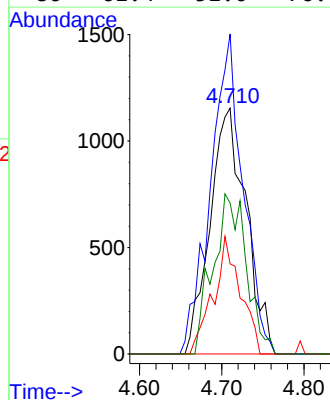
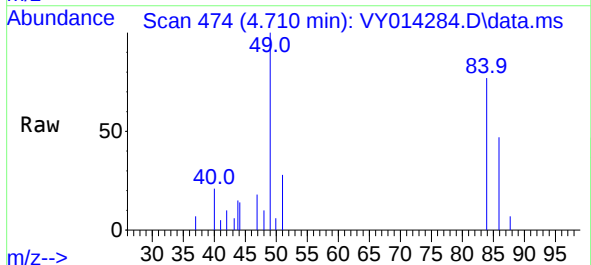
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-6

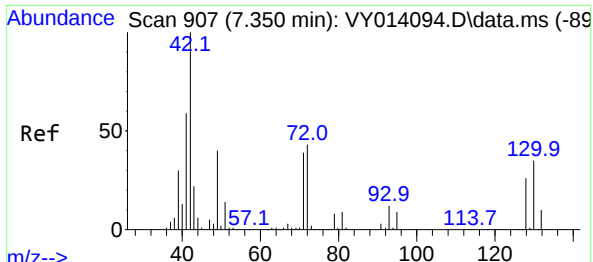
Tgt Ion: 43 Resp: 15250
Ion Ratio Lower Upper
43 100
58 22.7 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

Tgt Ion: 84 Resp: 3516
Ion Ratio Lower Upper
84 100
49 130.2 106.9 160.3
51 36.7 33.2 49.8
86 61.4 51.0 76.6





#29

Tetrahydrofuran

Concen: 7.096 ug/l

RT: 7.344 min Scan# 907

Delta R.T. -0.006 min

Lab File: VY014284.D

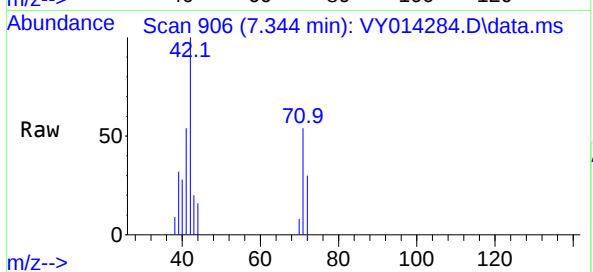
Acq: 20 Jun 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-01-GRAB-6



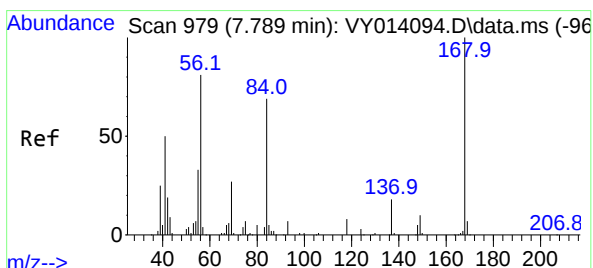
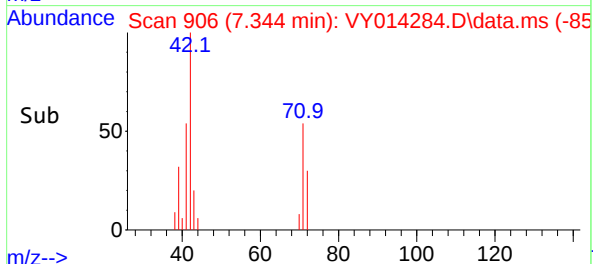
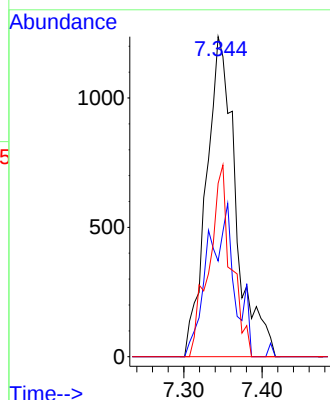
Tgt Ion: 42 Resp: 3238

Ion Ratio Lower Upper

42 100

72 43.3 32.8 49.2

71 45.1 31.0 46.4



#31

Cyclohexane

Concen: 1.168 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY014284.D

Acq: 20 Jun 2023 15:32

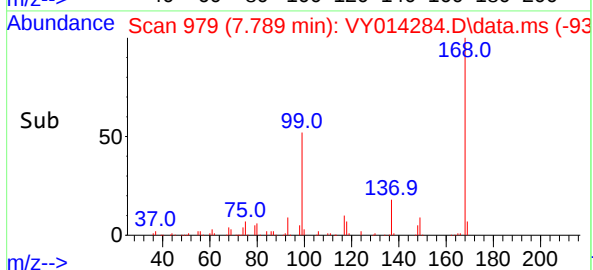
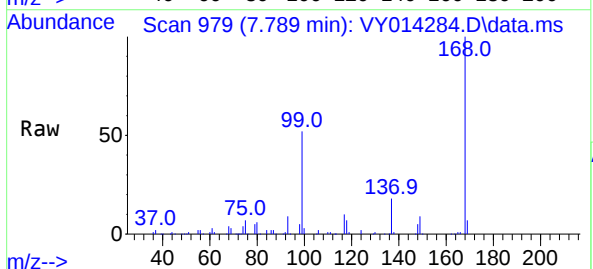
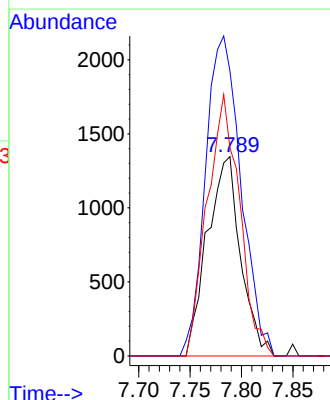
Tgt Ion: 56 Resp: 3034

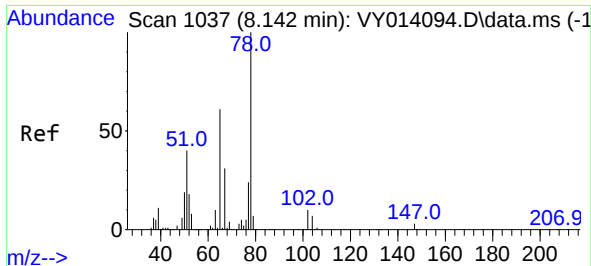
Ion Ratio Lower Upper

56 100

69 142.9 27.8 41.6#

84 104.3 66.4 99.6#

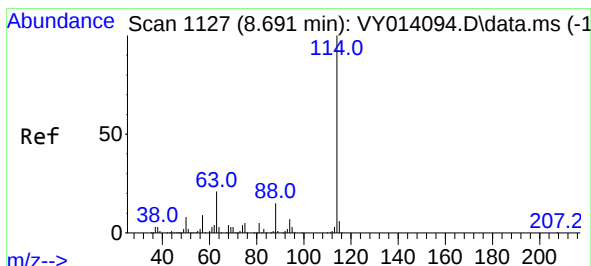
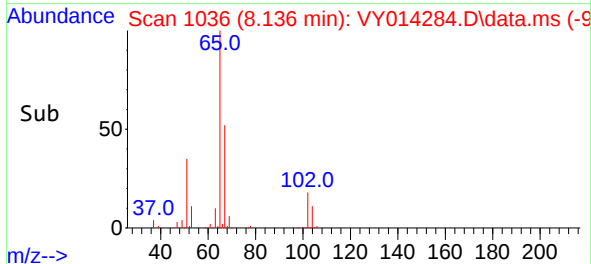
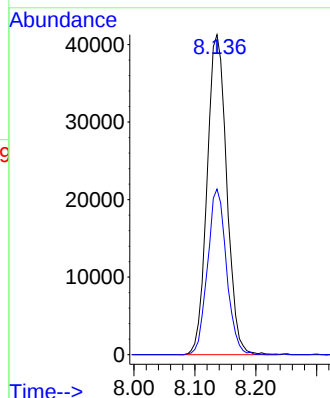
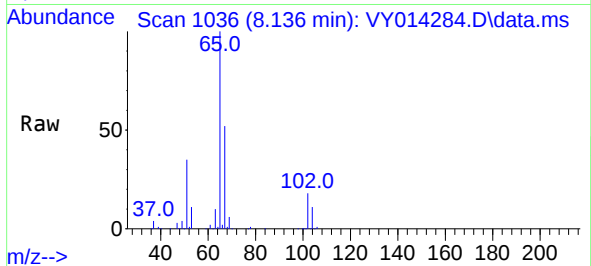




#33
1,2-Dichloroethane-d4
Concen: 47.601 ug/l
RT: 8.136 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

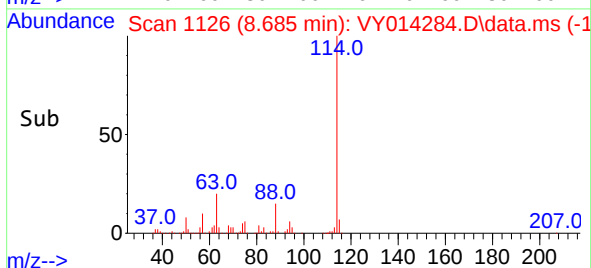
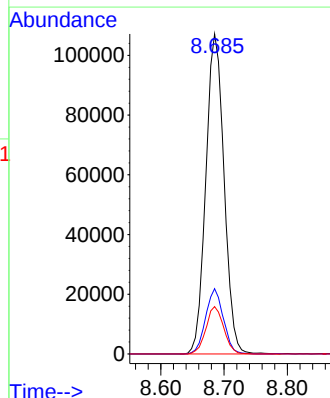
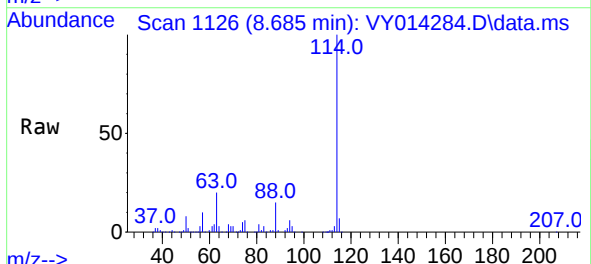
Instrument : MSVOA_Y
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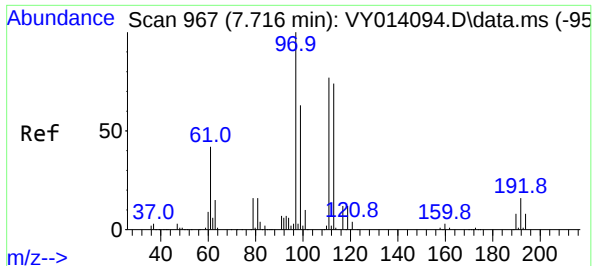
Tgt Ion: 65 Resp: 92312
Ion Ratio Lower Upper
65 100
67 50.0 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

Tgt Ion: 114 Resp: 215066
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.4
88 14.8 0.0 30.6

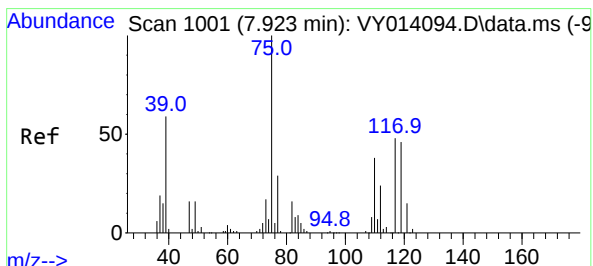
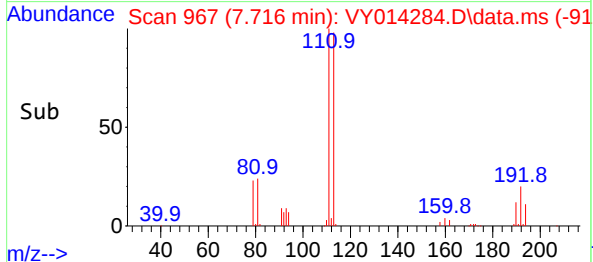
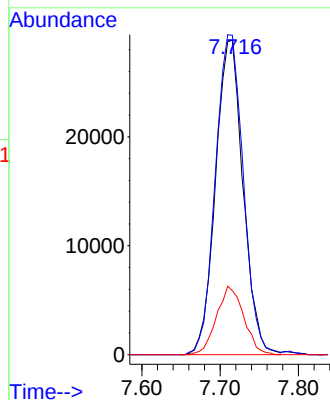
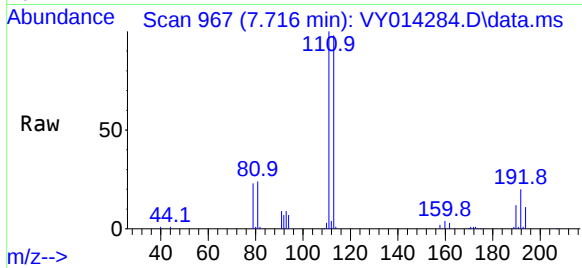




#35
Dibromofluoromethane
Concen: 46.234 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

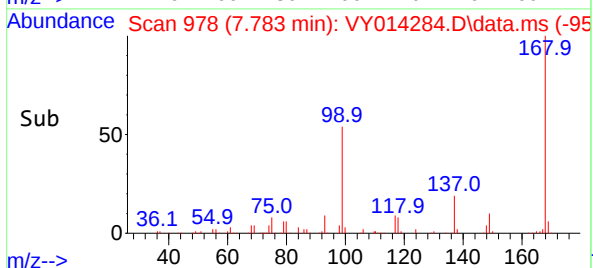
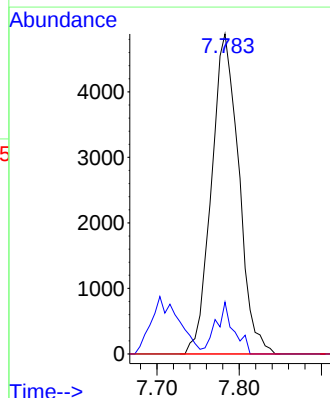
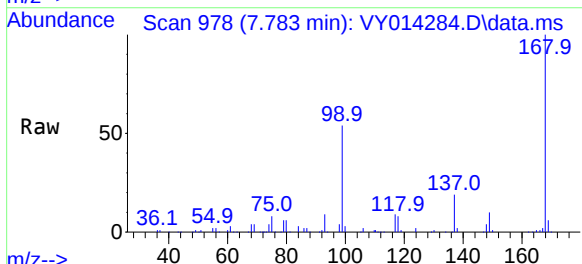
Instrument :
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TOTAL-VOC-TW-01-GRAB-6

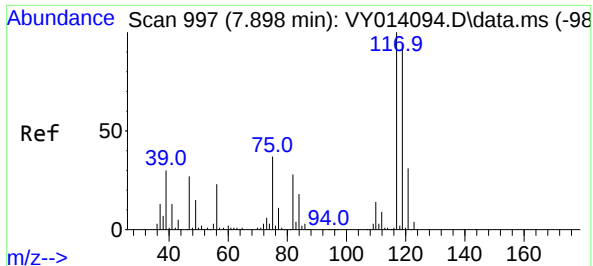
Tgt Ion:	113	Resp:	70516
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.3	121.9
192	21.5	16.9	25.3



#36
1,1-Dichloropropene
Concen: 4.737 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

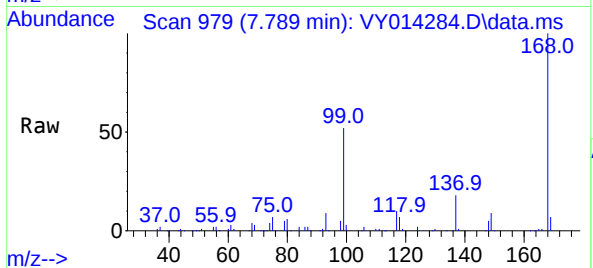
Tgt Ion:	75	Resp:	11263
Ion	Ratio	Lower	Upper
75	100		
110	10.7	17.8	53.5#
77	0.0	24.4	36.6#



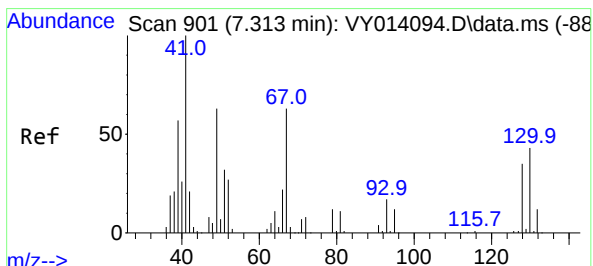
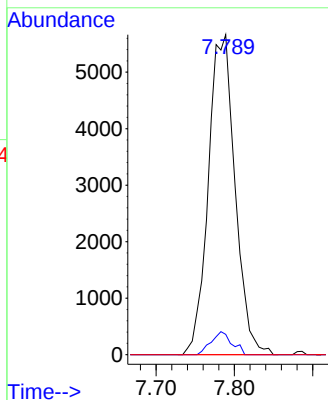
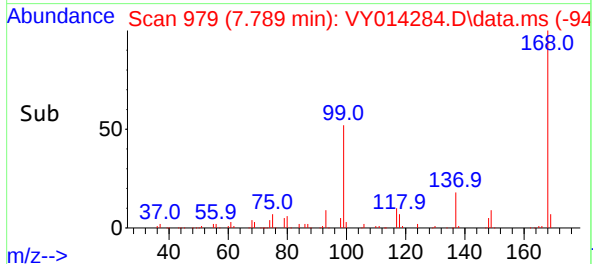


#38
Carbon Tetrachloride
Concen: 4.898 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

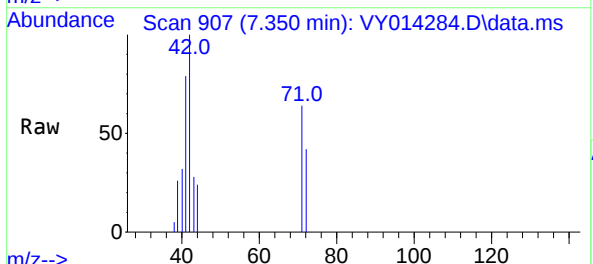
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ClientSampleId :
TOTAL-VOC-TW-01-GRAB-6



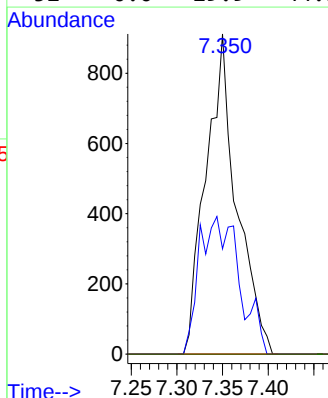
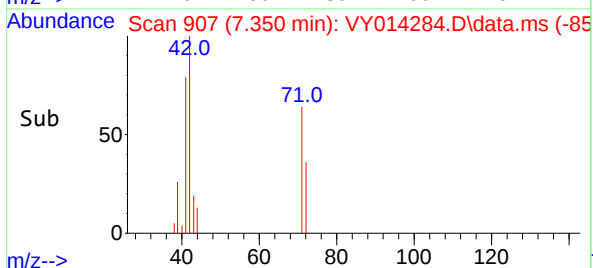
Tgt Ion:117 Resp: 13440
Ion Ratio Lower Upper
117 100
119 6.4 76.4 114.6#
121 0.0 25.8 38.6#

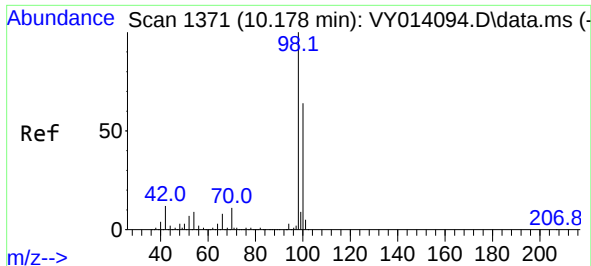


#41
Methacrylonitrile
Concen: 2.553 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32



Tgt Ion: 41 Resp: 2138
Ion Ratio Lower Upper
41 100
39 56.0 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

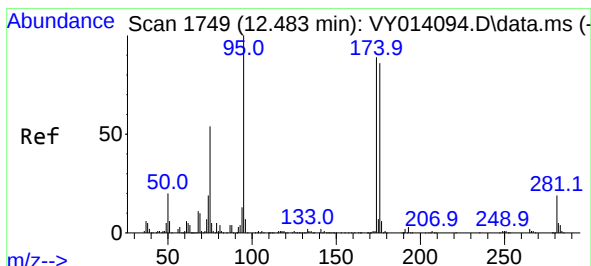
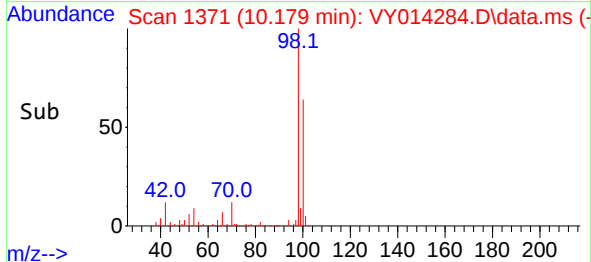
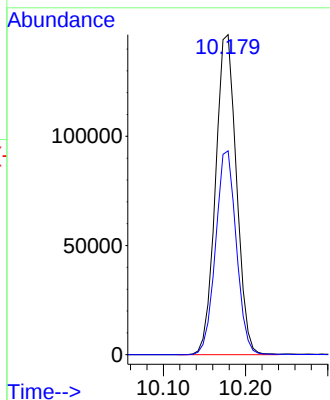
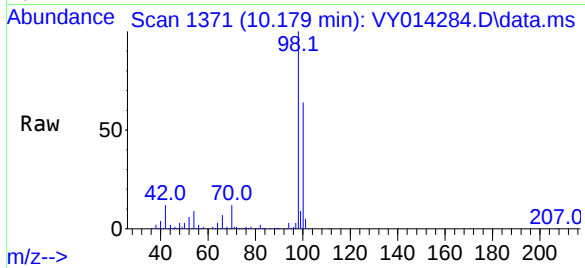




#50
Toluene-d8
Concen: 45.444 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

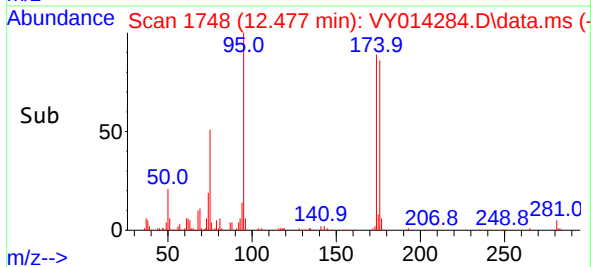
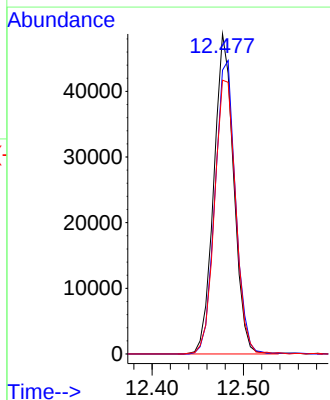
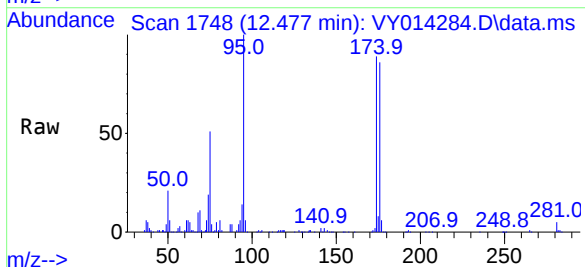
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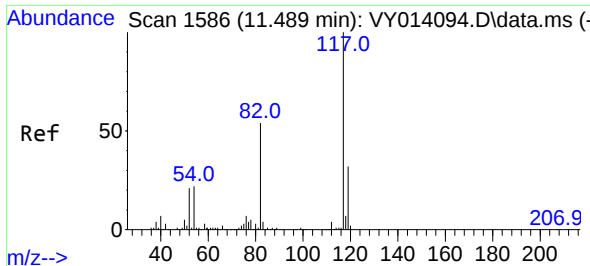
Tgt Ion: 98 Resp: 259124
Ion Ratio Lower Upper
98 100
100 63.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 36.395 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

Tgt Ion: 95 Resp: 73720
Ion Ratio Lower Upper
95 100
174 94.5 0.0 178.2
176 91.0 0.0 173.8

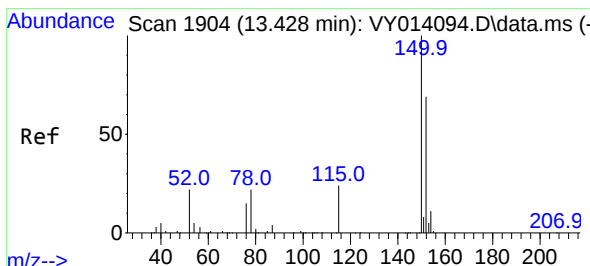
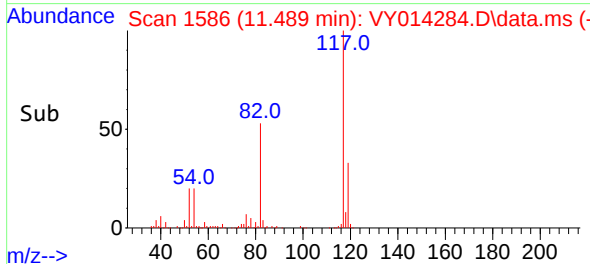
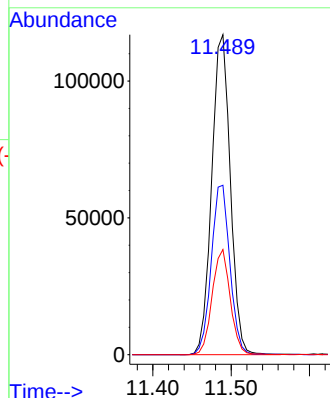
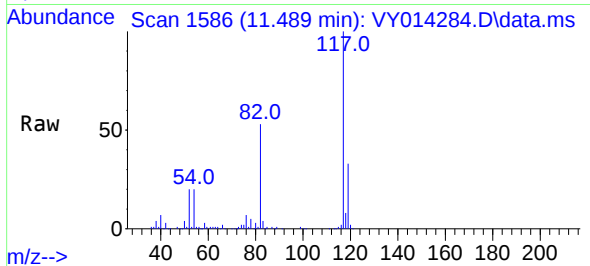




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

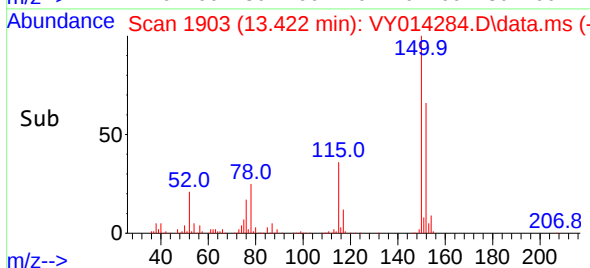
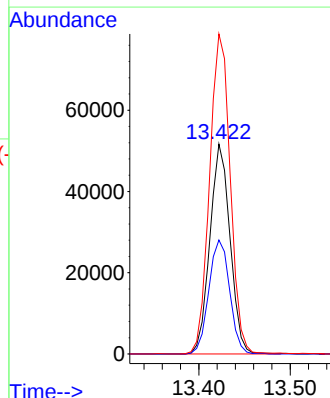
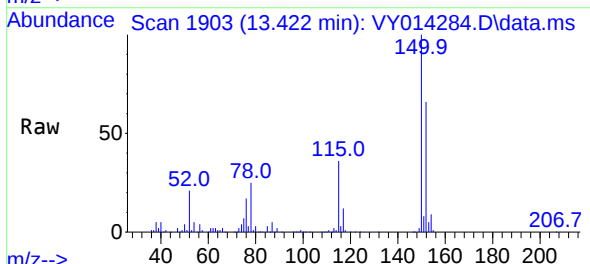
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-6

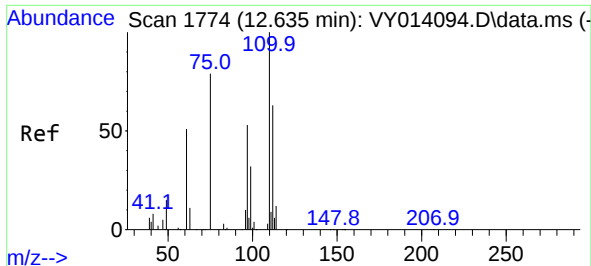
Tgt Ion:117 Resp: 193058
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

Tgt Ion:152 Resp: 79118
Ion Ratio Lower Upper
152 100
115 56.0 28.8 86.5
150 156.1 0.0 348.8

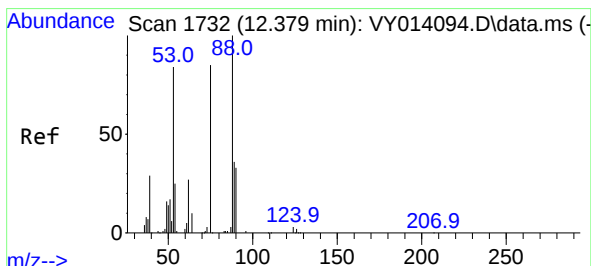
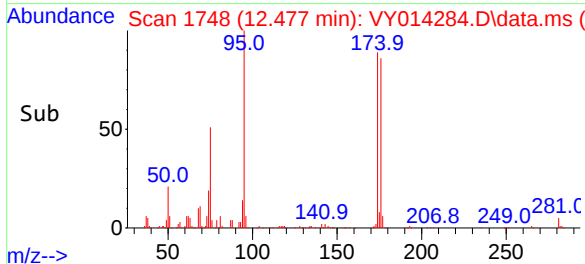
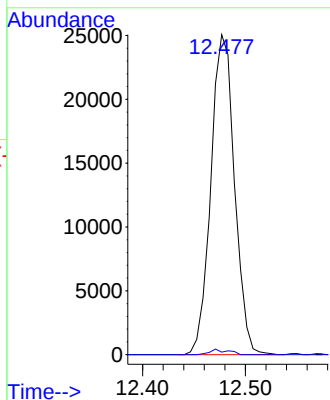
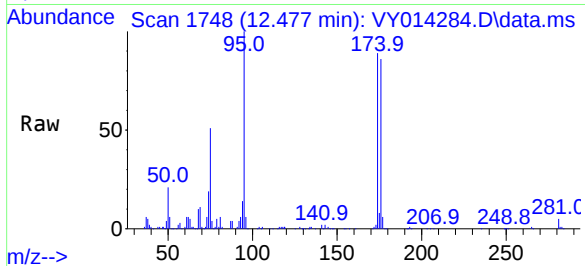




#76
1,2,3-Trichloropropane
Concen: 38.613 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-6

Tgt Ion: 75 Resp: 40081
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.467 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014284.D
Acq: 20 Jun 2023 15:32

Tgt Ion: 75 Resp: 40081
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 37.4 56.0#

