

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014286.D
 Acq On : 20 Jun 2023 16:19
 Operator : KP/MD
 Sample : 03296-23
 Misc : 2.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-07-GRAB-6

Quant Time: Jun 21 02:08:30 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)

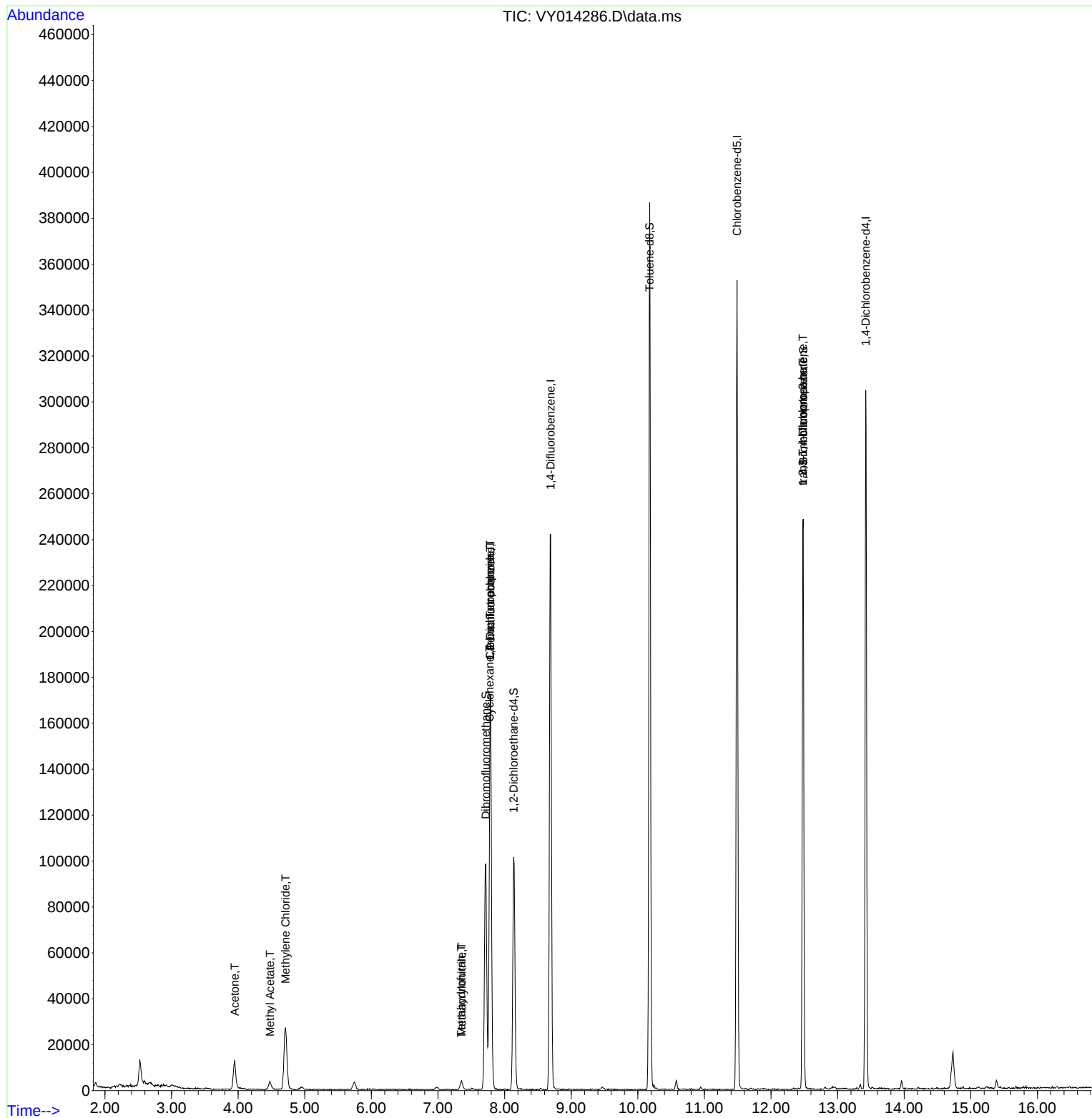
Internal Standards						
1) Pentafluorobenzene	7.789	168	134275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	207604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	185323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	79458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	85750	45.861	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.720%
35) Dibromofluoromethane	7.716	113	67090	45.569	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.140%
50) Toluene-d8	10.179	98	247681	44.998	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.000%
62) 4-Bromofluorobenzene	12.483	95	73391	37.535	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	2335	Below Cal	#	97
16) Acetone	3.948	43	21063	37.371	ug/l	98
18) Methyl Acetate	4.478	43	6346	2.901	ug/l	99
20) Methylene Chloride	4.710	84	20345	8.318	ug/l	91
29) Tetrahydrofuran	7.350	42	2688	6.110	ug/l	# 92
31) Cyclohexane	7.777	56	3013	1.203	ug/l	# 37
36) 1,1-Dichloropropene	7.783	75	10285	4.481	ug/l	# 49
38) Carbon Tetrachloride	7.783	117	13165	4.970	ug/l	# 16
41) Methacrylonitrile	7.356	41	1843	2.280	ug/l	# 45
76) 1,2,3-Trichloropropane	12.477	75	37741	36.203	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	37741	78.258	ug/l	# 11

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

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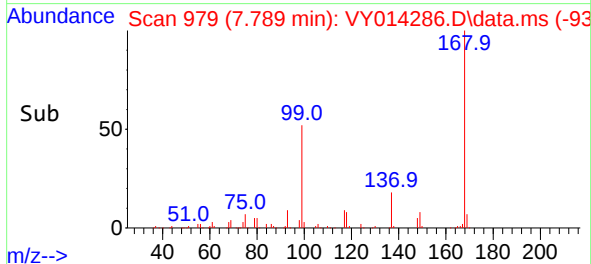
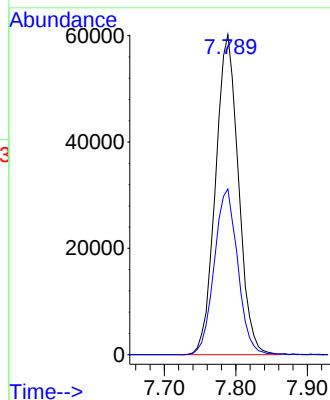
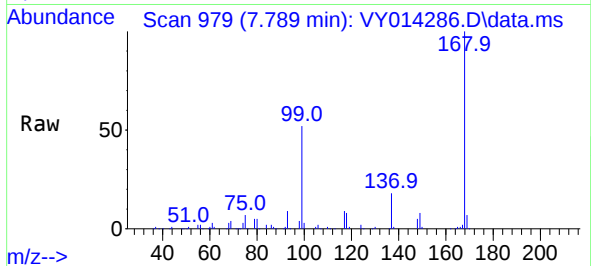




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

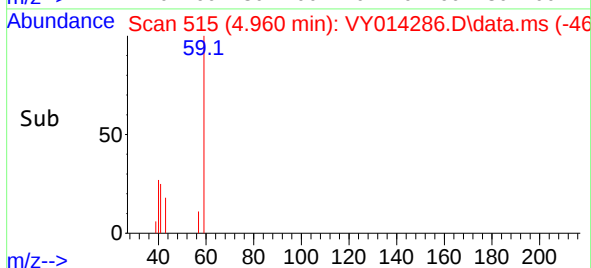
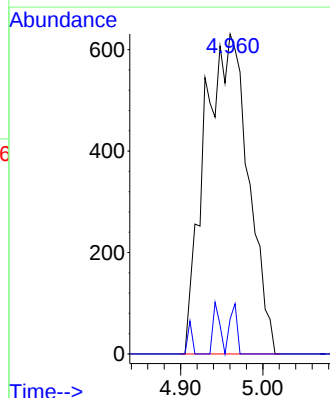
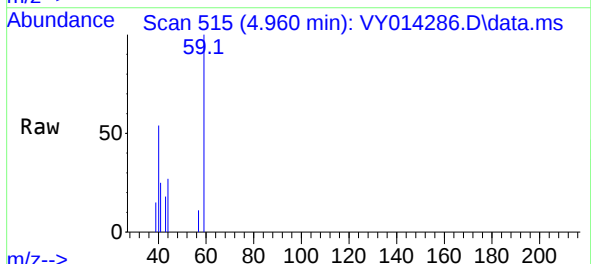
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-6

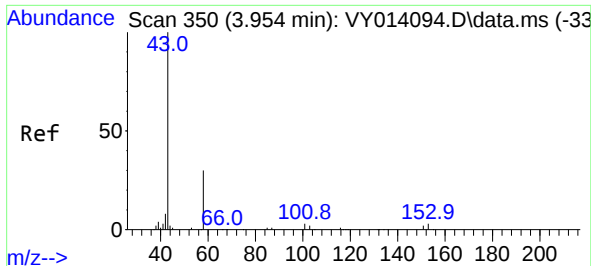
Tgt Ion:168 Resp: 134275
Ion Ratio Lower Upper
168 100
99 51.8 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

Tgt Ion: 59 Resp: 2335
Ion Ratio Lower Upper
59 100
57 2.6 3.0 4.4#

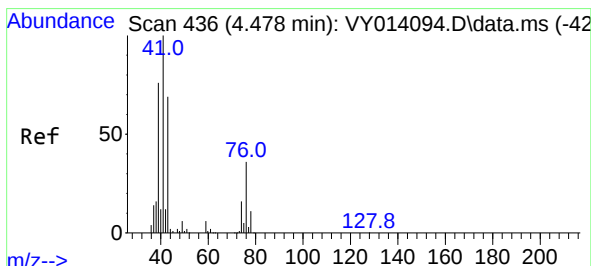
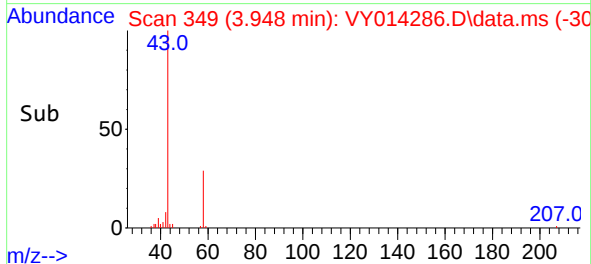
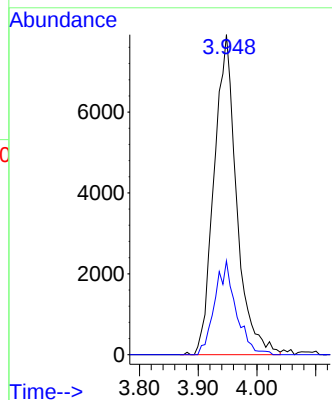
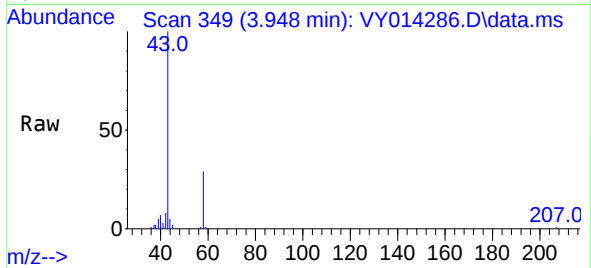




#16
Acetone
Concen: 37.371 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

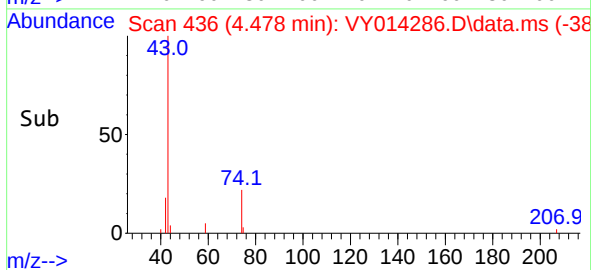
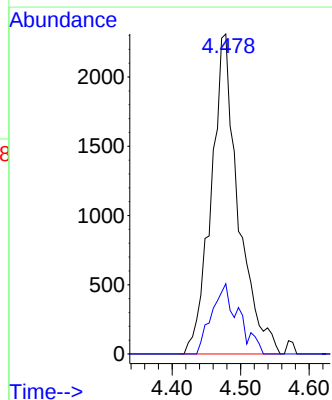
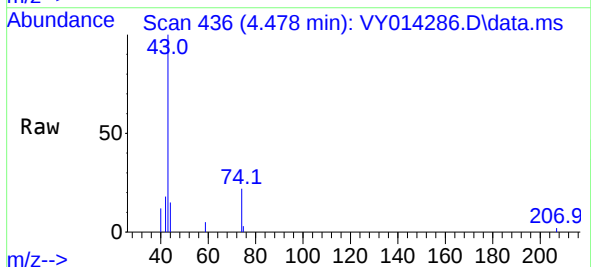
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-6

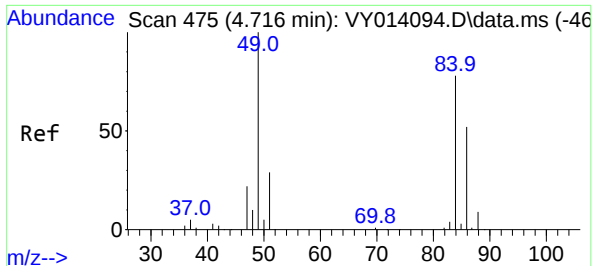
Tgt Ion: 43 Resp: 21063
Ion Ratio Lower Upper
43 100
58 29.3 22.7 34.1



#18
Methyl Acetate
Concen: 2.901 ug/l
RT: 4.478 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

Tgt Ion: 43 Resp: 6346
Ion Ratio Lower Upper
43 100
74 22.0 17.4 26.0



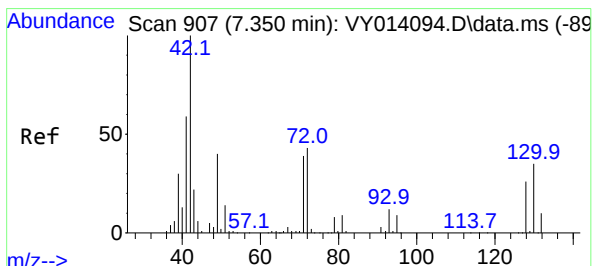
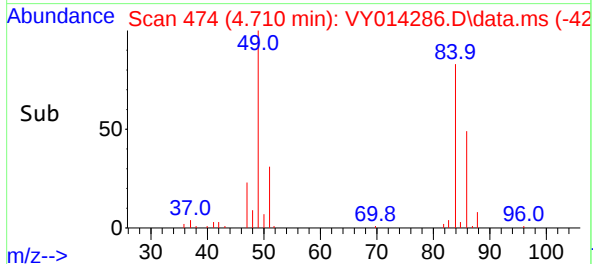
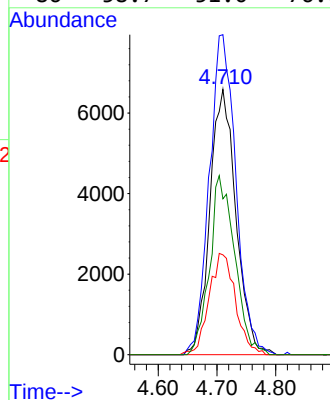
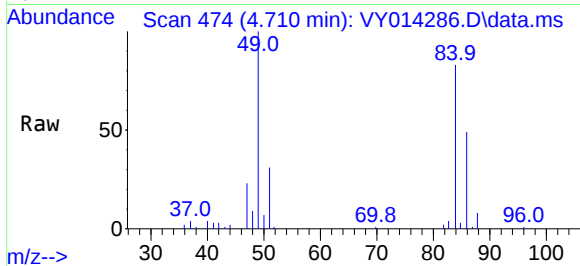


#20
Methylene Chloride
Concen: 8.318 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-6

Tgt Ion: 84 Resp: 20345

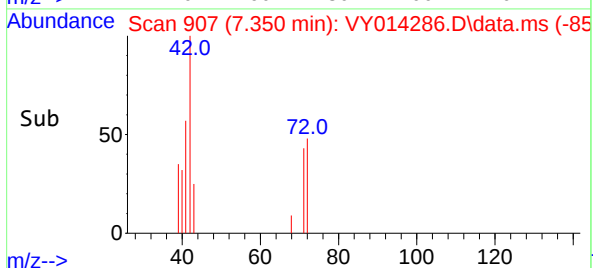
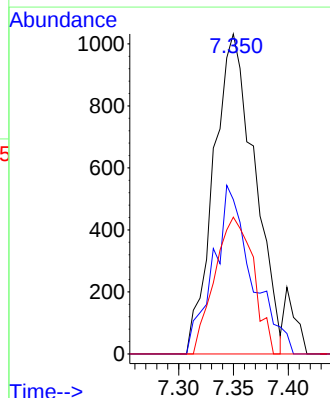
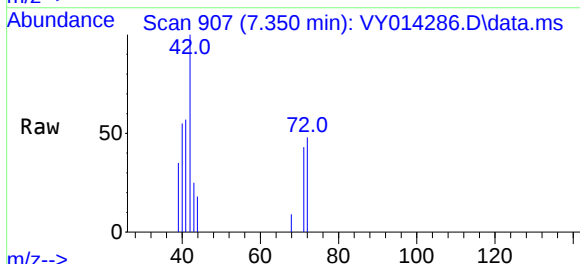
Ion	Ratio	Lower	Upper
84	100		
49	120.6	106.9	160.3
51	37.6	33.2	49.8
86	58.7	51.0	76.6

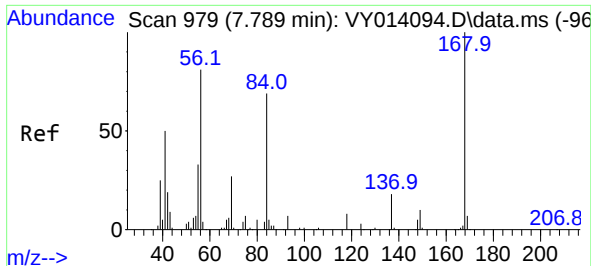


#29
Tetrahydrofuran
Concen: 6.110 ug/l
RT: 7.350 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

Tgt Ion: 42 Resp: 2688

Ion	Ratio	Lower	Upper
42	100		
72	49.5	32.8	49.2#
71	40.2	31.0	46.4

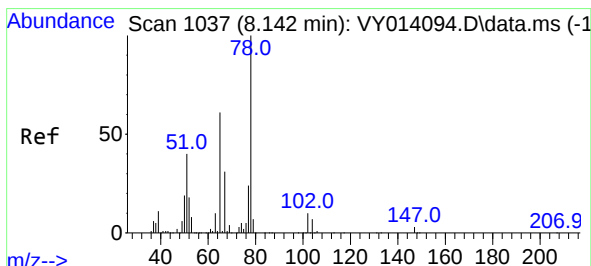
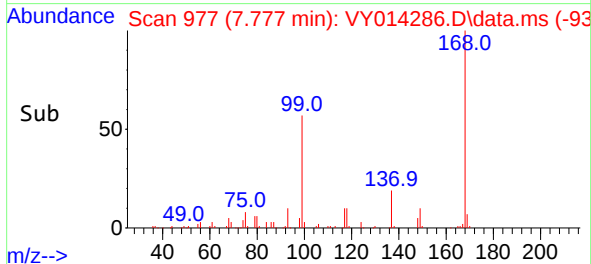
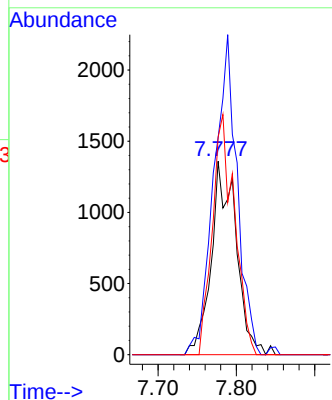
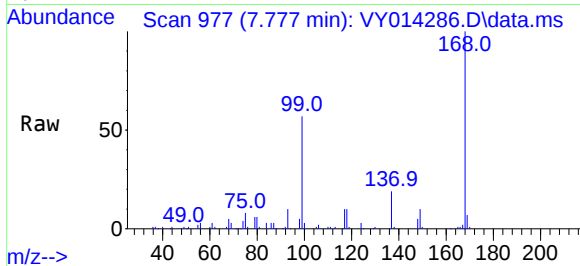




#31
Cyclohexane
Concen: 1.203 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

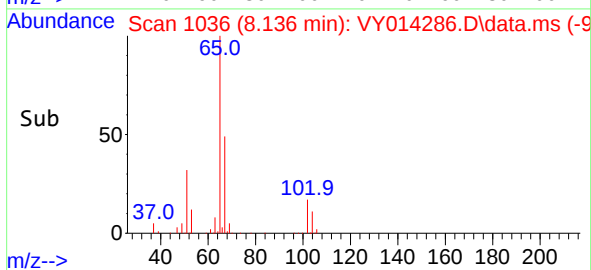
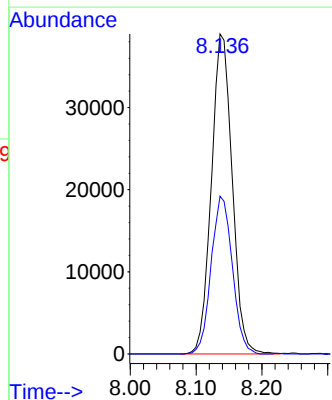
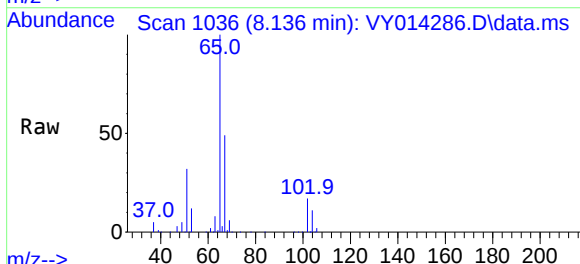
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-6

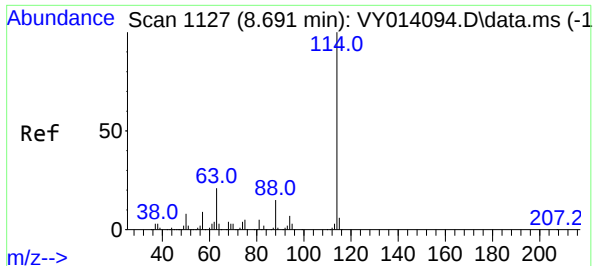
Tgt Ion: 56 Resp: 3013
Ion Ratio Lower Upper
56 100
69 112.1 27.8 41.6#
84 112.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 45.861 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

Tgt Ion: 65 Resp: 85750
Ion Ratio Lower Upper
65 100
67 50.2 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: VY014286.D

Acq: 20 Jun 2023 16:19

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-07-GRAB-6

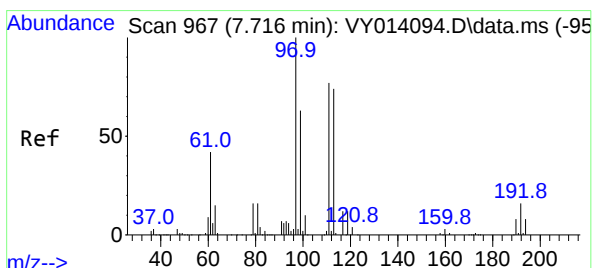
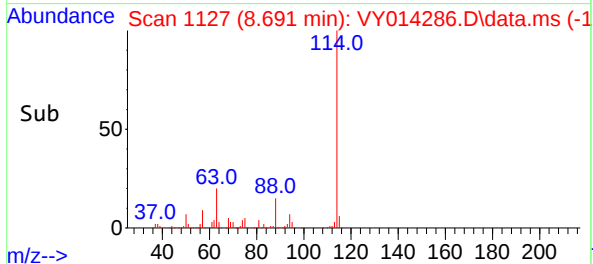
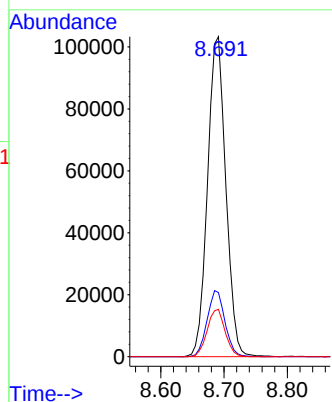
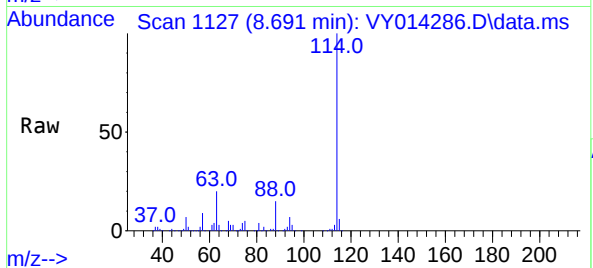
Tgt Ion:114 Resp: 207604

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.569 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014286.D

Acq: 20 Jun 2023 16:19

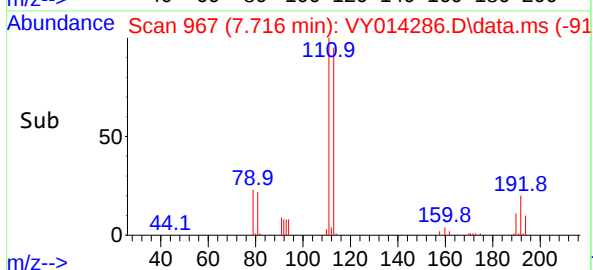
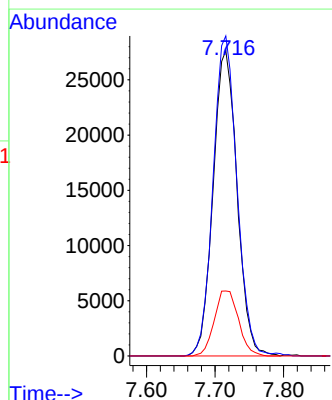
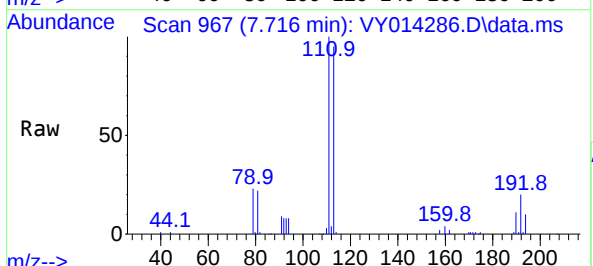
Tgt Ion:113 Resp: 67090

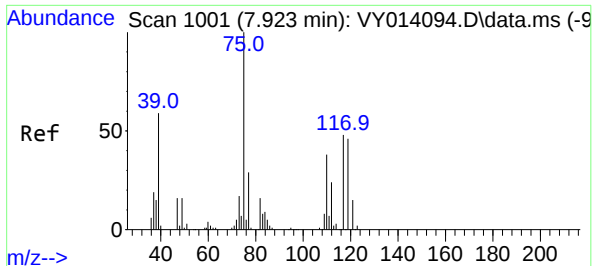
Ion Ratio Lower Upper

113 100

111 104.4 81.3 121.9

192 21.5 16.9 25.3

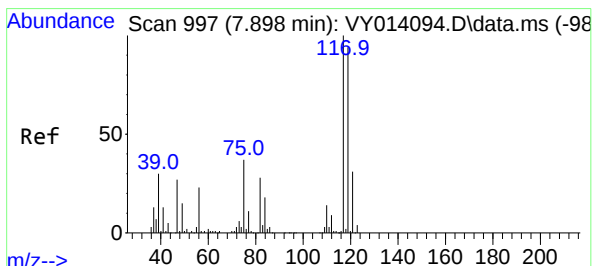
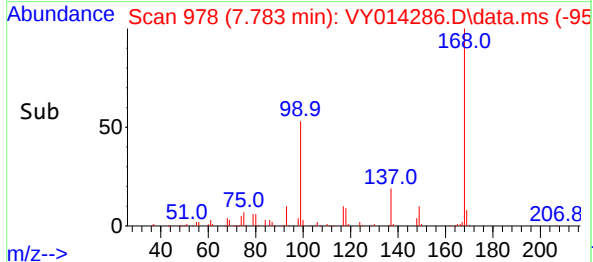
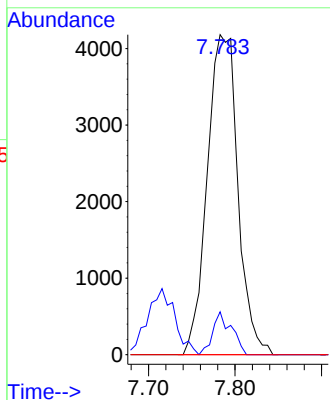
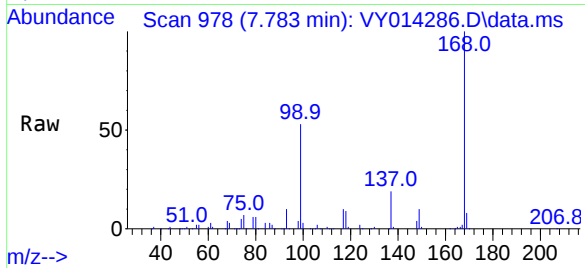




#36
1,1-Dichloropropene
Concen: 4.481 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

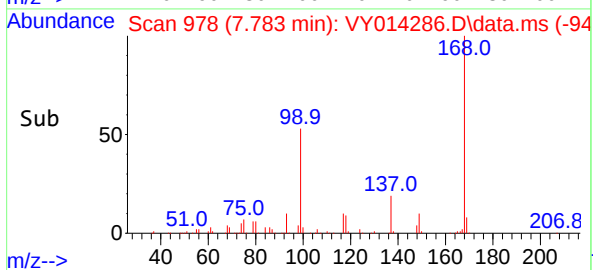
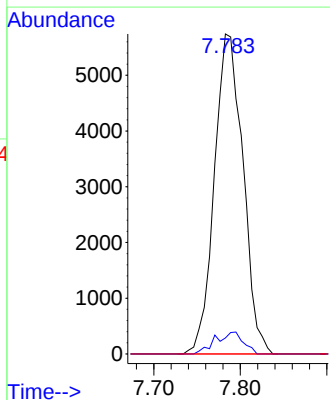
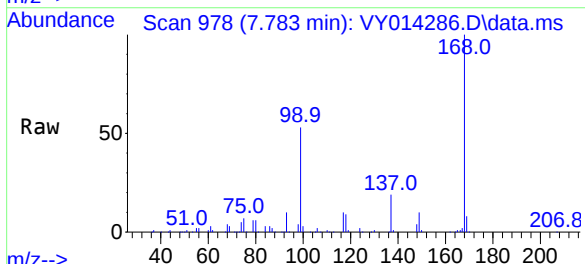
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-TW-07-GRAB-6

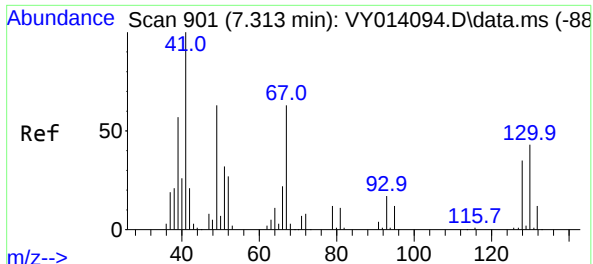
Tgt Ion:	75	Resp:	10285
Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.8	53.5#
77	0.0	24.4	36.6#



#38
Carbon Tetrachloride
Concen: 4.970 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.115 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

Tgt Ion:	117	Resp:	13165
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.4	114.6#
121	0.0	25.8	38.6#

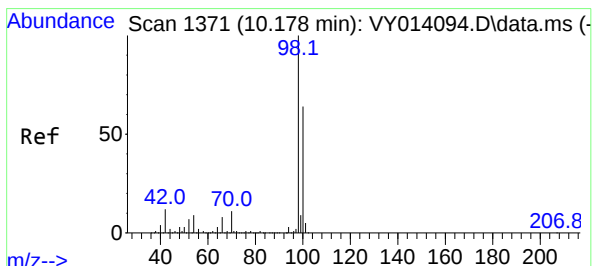
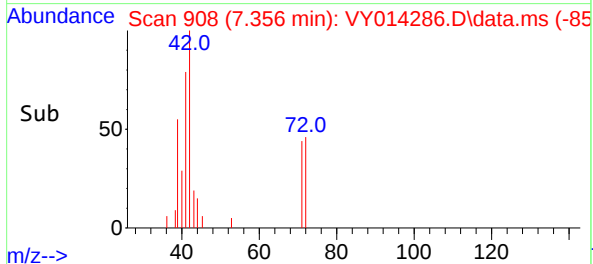
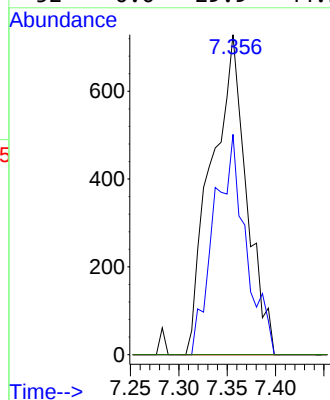
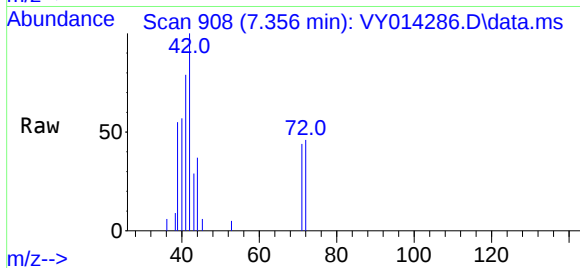




#41
Methacrylonitrile
Concen: 2.280 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

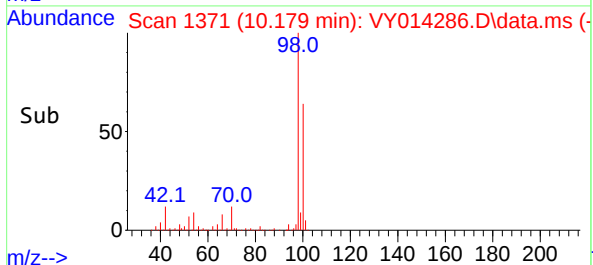
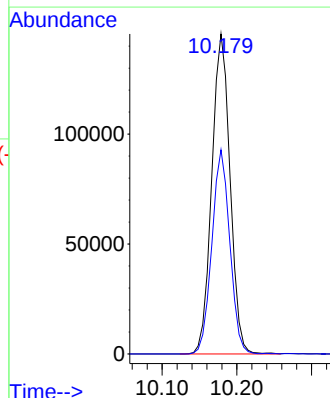
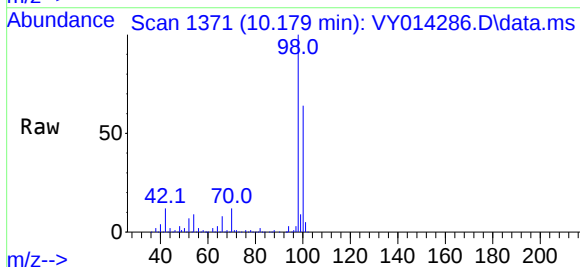
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-6

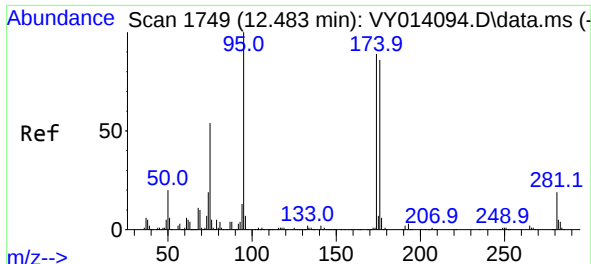
Tgt Ion: 41	Resp: 1843
Ion Ratio	Lower Upper
41 100	
39 62.2	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 44.998 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

Tgt Ion: 98	Resp: 247681
Ion Ratio	Lower Upper
98 100	
100 62.5	50.1 75.1

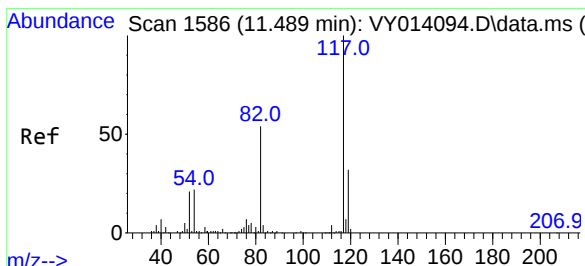
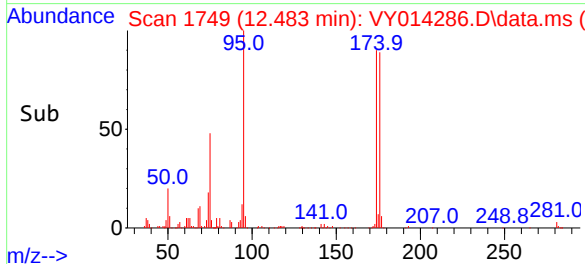
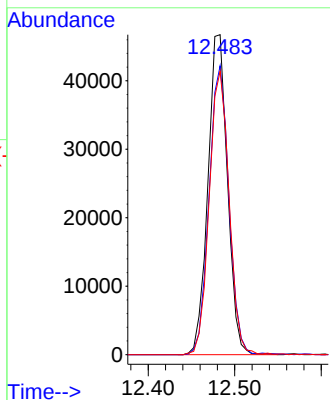
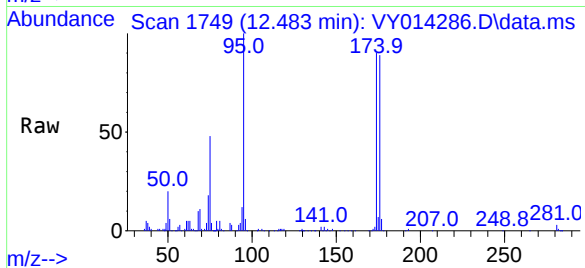




#62
4-Bromofluorobenzene
Concen: 37.535 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

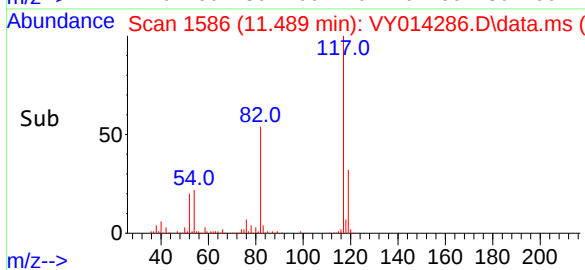
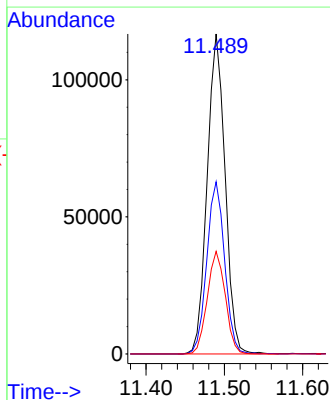
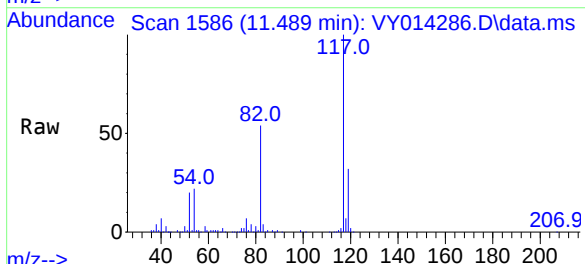
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-6

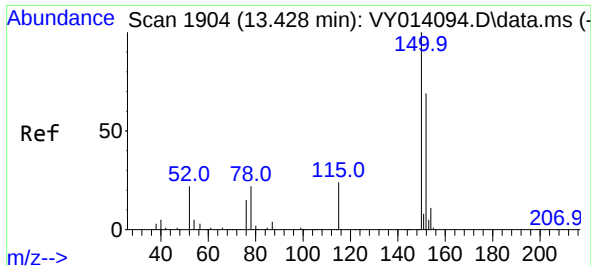
Tgt Ion:	95	Resp:	73391
Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	178.2
176	89.6	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

Tgt Ion:	117	Resp:	185323
Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.4	65.0
119	32.1	26.3	39.5

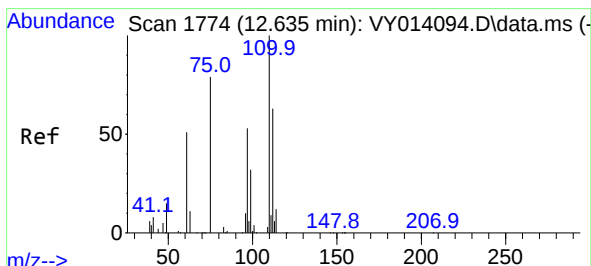
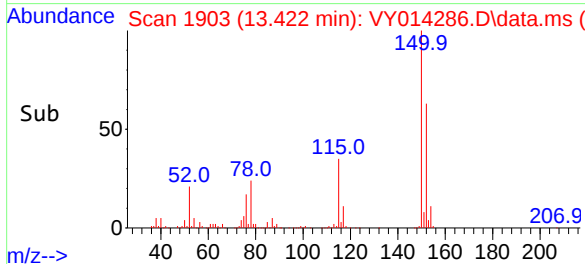
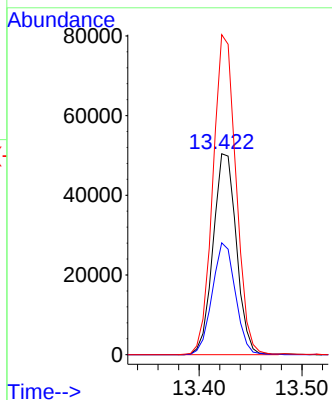
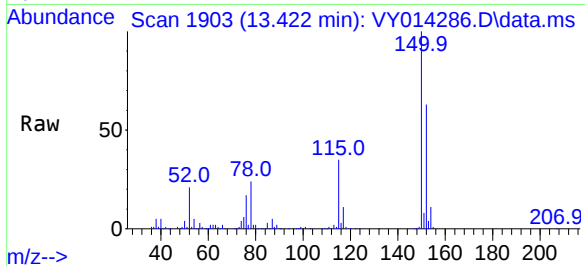




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

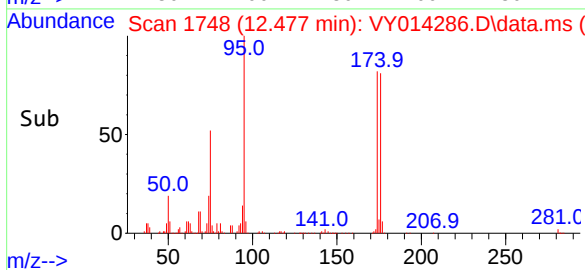
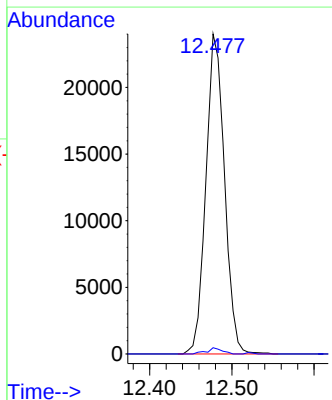
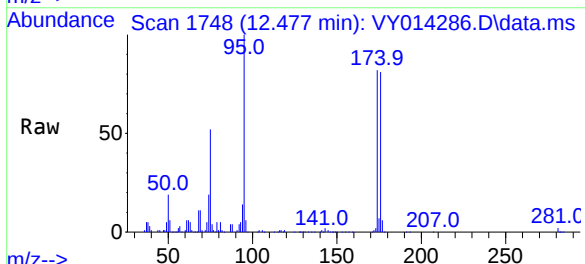
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-6

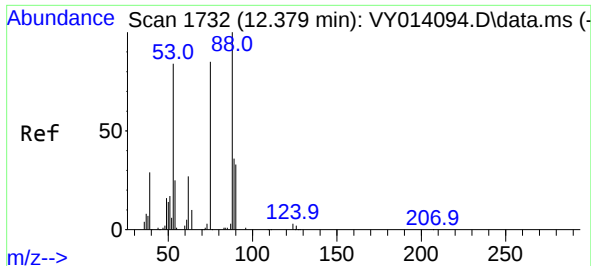
Tgt Ion:152 Resp: 79458
Ion Ratio Lower Upper
152 100
115 55.3 28.8 86.5
150 157.7 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 36.203 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014286.D
Acq: 20 Jun 2023 16:19

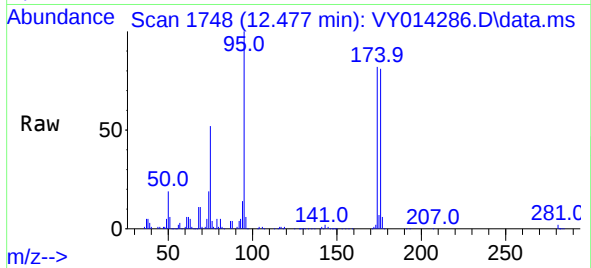
Tgt Ion: 75 Resp: 37741
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.258 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014286.D
 Acq: 20 Jun 2023 16:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-07-GRAB-6



Tgt Ion: 75 Resp: 37741
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 37.4 56.0#

