

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014285.D
 Acq On : 20 Jun 2023 15:56
 Operator : KP/MD
 Sample : 03296-18
 Misc : 9.19g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-01-GRAB-7

Quant Time: Jun 21 02:08:21 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)

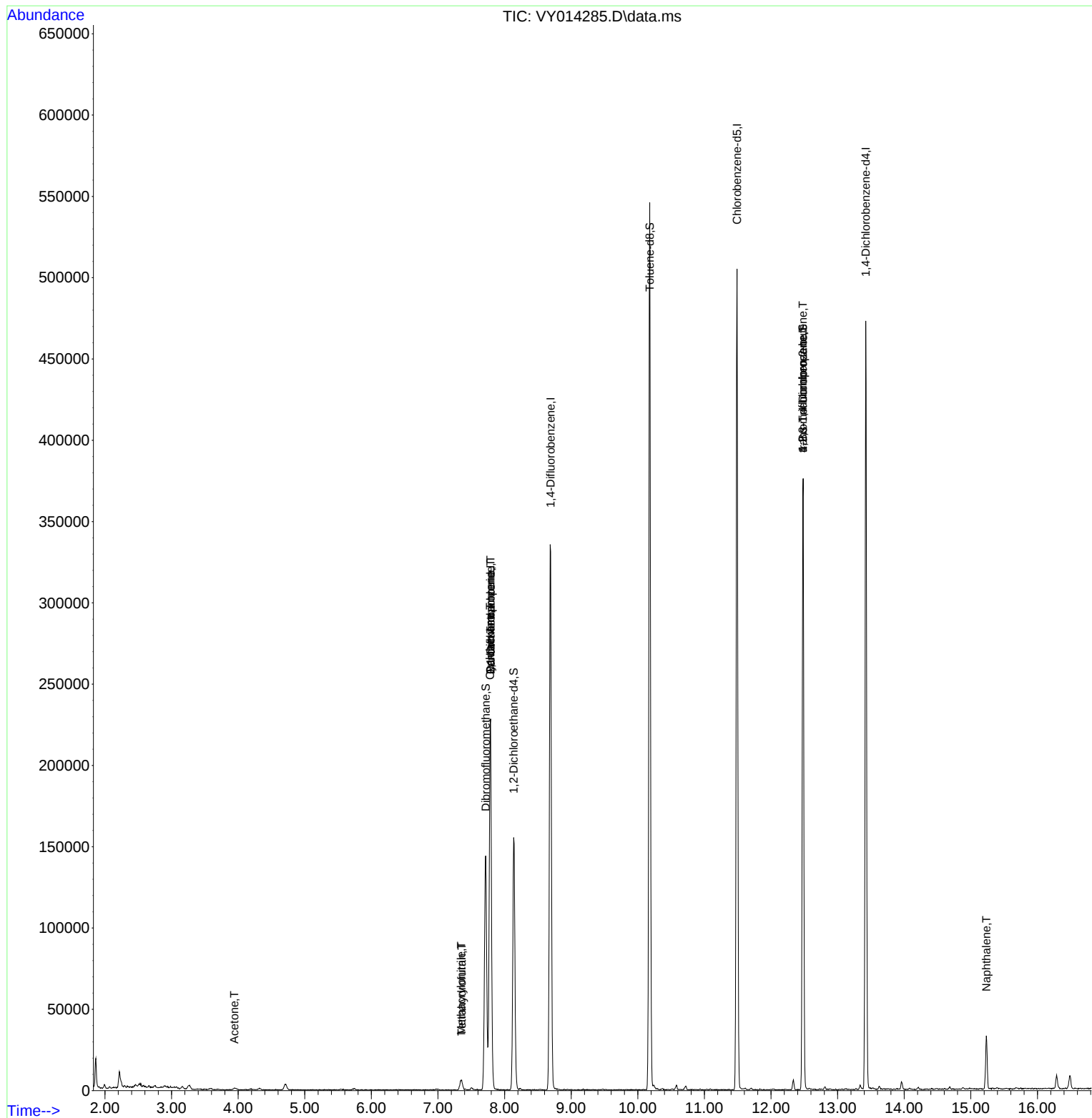
Internal Standards						
1) Pentafluorobenzene	7.789	168	178114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	284065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	267572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	119224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	129021	52.019	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.040%	
35) Dibromofluoromethane	7.716	113	95995	47.651	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.300%	
50) Toluene-d8	10.179	98	347044	46.079	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.160%	
62) 4-Bromofluorobenzene	12.477	95	107314	40.111	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	44	Below Cal	#	89
16) Acetone	3.942	43	1698	2.271	ug/l	90
20) Methylene Chloride	4.716	84	2593	Below Cal	#	71
29) Tetrahydrofuran	7.356	42	5165	8.851	ug/l	96
31) Cyclohexane	7.783	56	4012	1.207	ug/l	# 10
36) 1,1-Dichloropropene	7.789	75	13212	4.207	ug/l	# 52
38) Carbon Tetrachloride	7.789	117	17342	4.785	ug/l	# 16
41) Methacrylonitrile	7.350	41	3044	2.752	ug/l	# 43
76) 1,2,3-Trichloropropane	12.477	75	58086	37.135	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	58086	80.271	ug/l	# 11
95) Naphthalene	15.233	128	27610	5.238	ug/l	98

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

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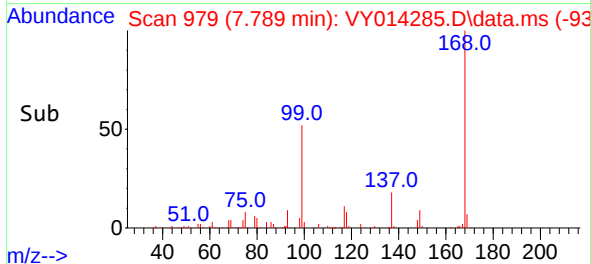
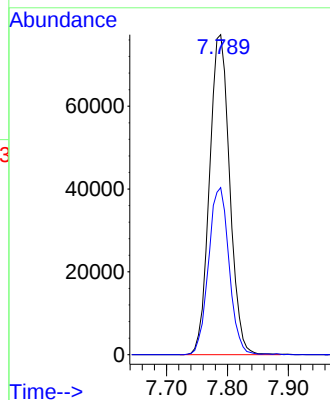
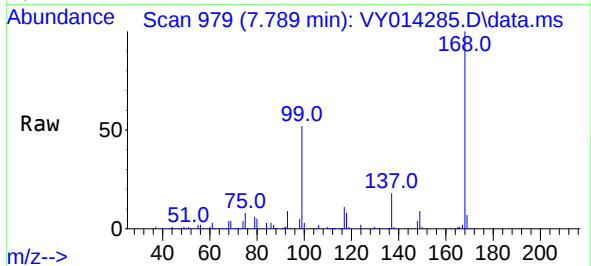




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

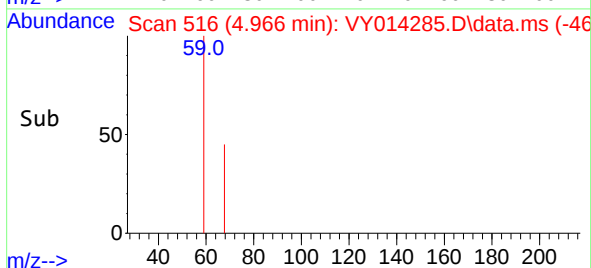
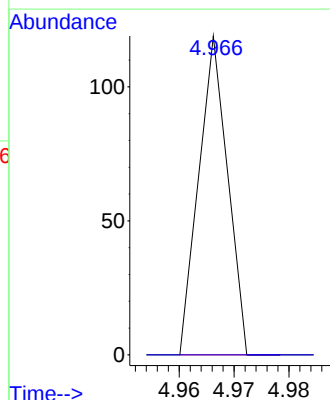
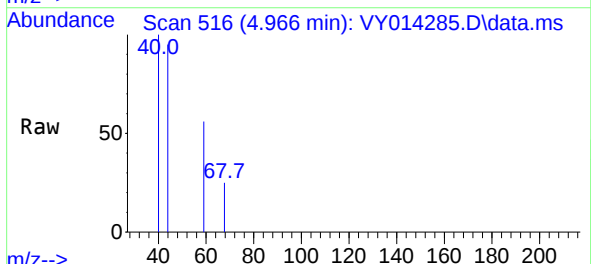
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-7

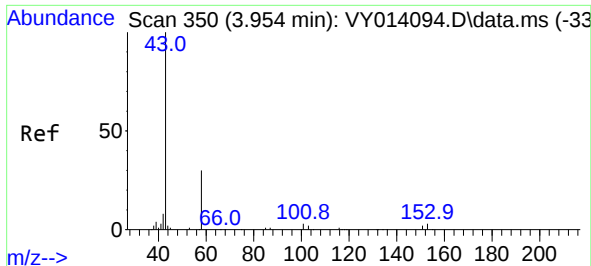
Tgt Ion:168 Resp: 178114
Ion Ratio Lower Upper
168 100
99 52.2 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

Tgt Ion: 59 Resp: 44
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

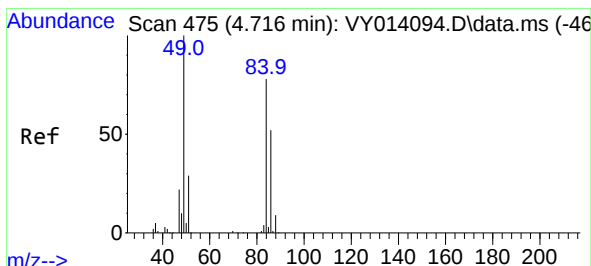
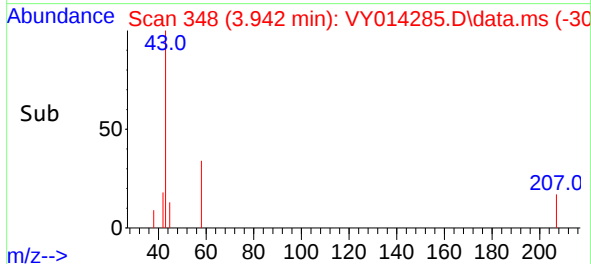
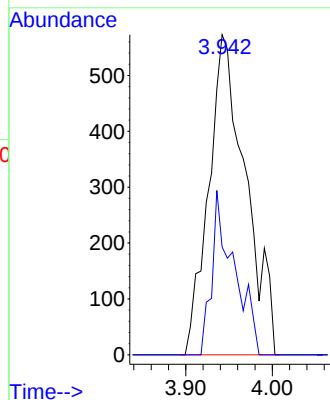
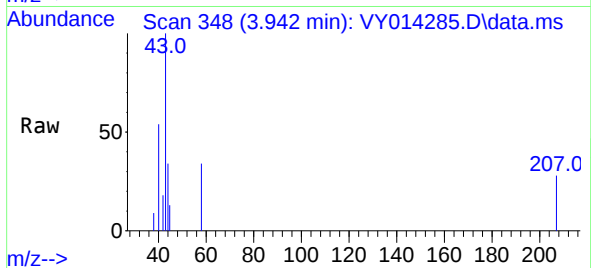




#16
Acetone
Concen: 2.271 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

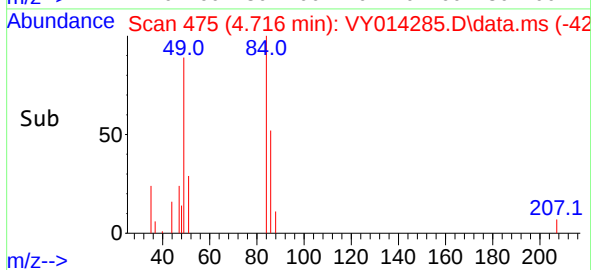
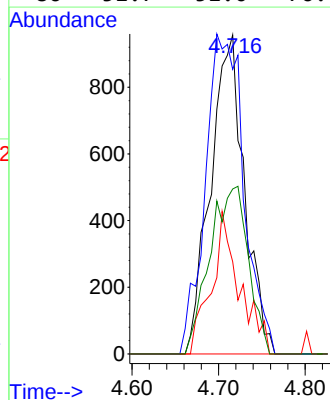
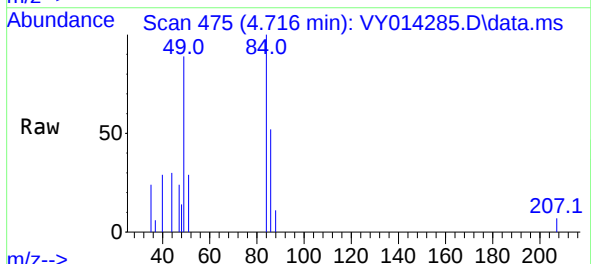
Instrument :
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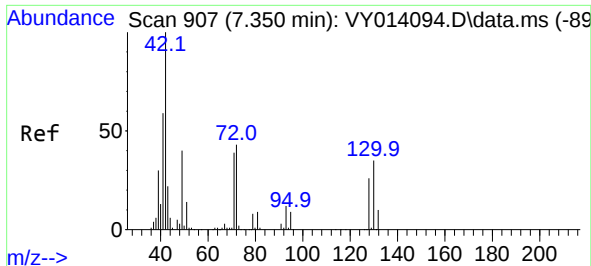
Tgt Ion: 43 Resp: 1698
Ion Ratio Lower Upper
43 100
58 33.7 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

Tgt Ion: 84 Resp: 2593
Ion Ratio Lower Upper
84 100
49 89.2 106.9 160.3#
51 28.9 33.2 49.8#
86 51.7 51.0 76.6

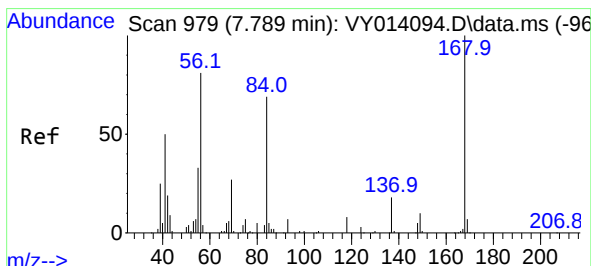
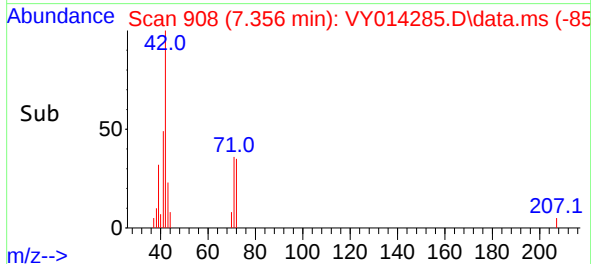
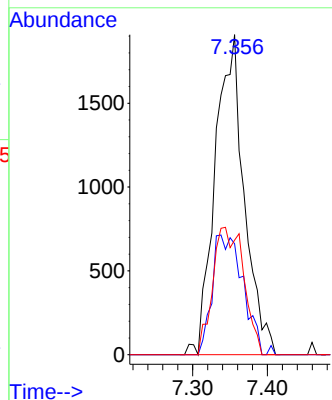
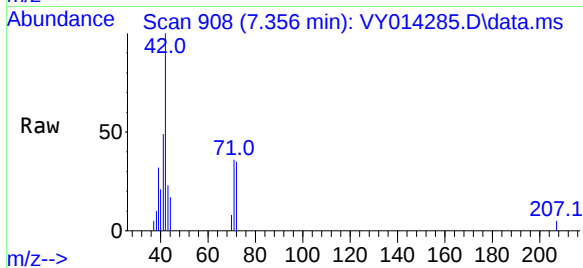




#29
Tetrahydrofuran
Concen: 8.851 ug/l
RT: 7.356 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

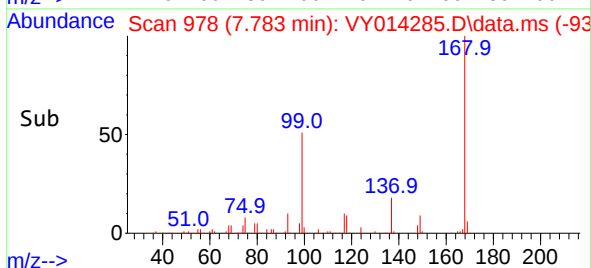
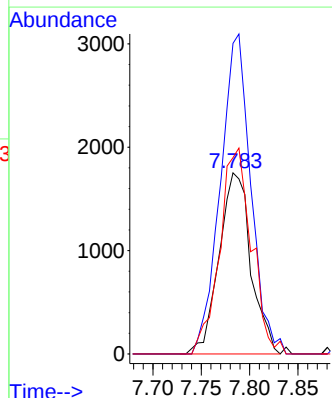
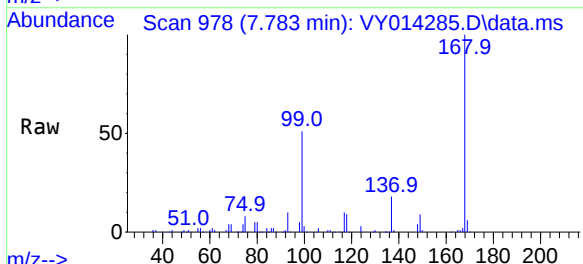
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-7

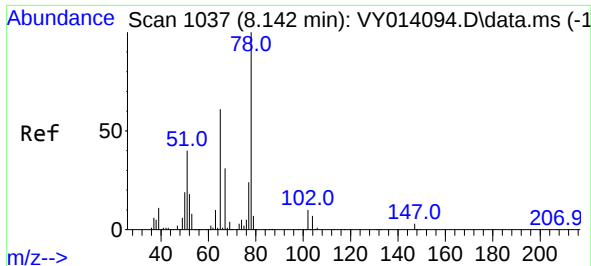
Tgt Ion:	42	Resp:	5165
Ion	Ratio	Lower	Upper
42	100		
72	39.5	32.8	49.2
71	42.4	31.0	46.4



#31
Cyclohexane
Concen: 1.207 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

Tgt Ion:	56	Resp:	4012
Ion	Ratio	Lower	Upper
56	100		
69	171.4	27.8	41.6#
84	108.4	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.019 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014285.D

Acq: 20 Jun 2023 15:56

Instrument :

MSVOA_Y

ClientSampleId :

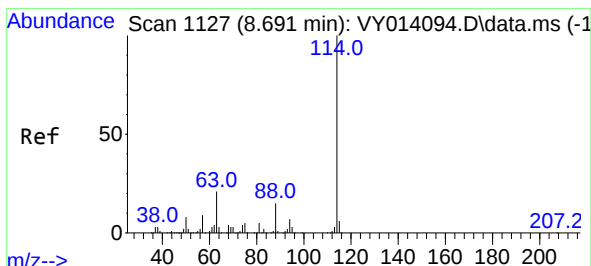
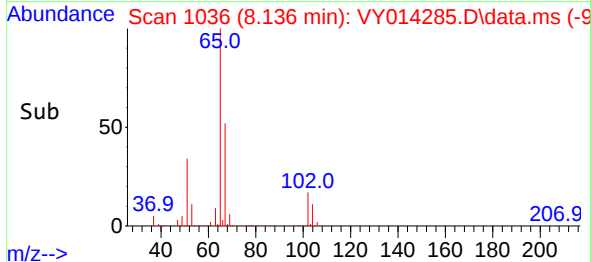
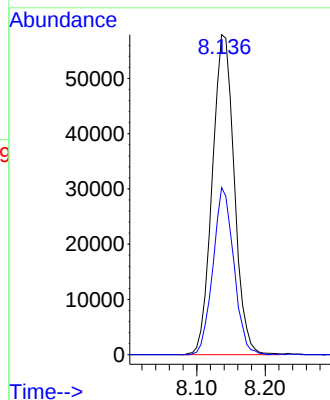
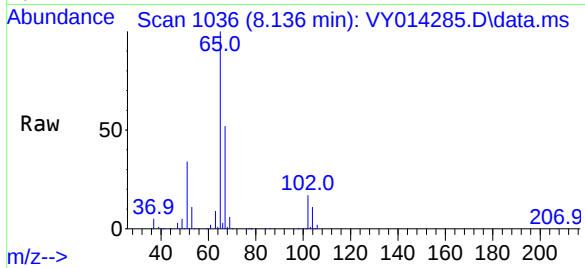
TOTAL-VOC-TW-01-GRAB-7

Tgt Ion: 65 Resp: 129021

Ion Ratio Lower Upper

65 100

67 49.3 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: VY014285.D

Acq: 20 Jun 2023 15:56

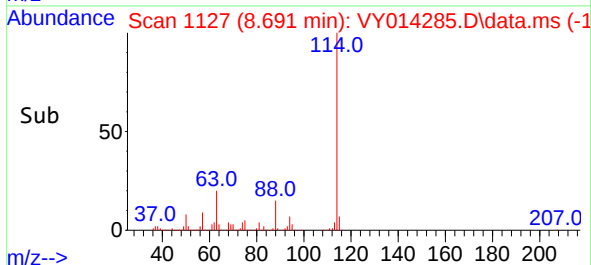
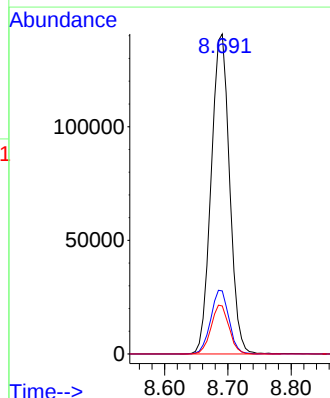
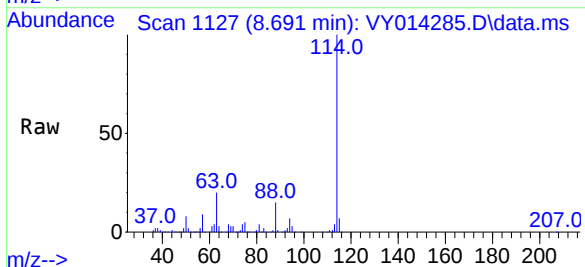
Tgt Ion: 114 Resp: 284065

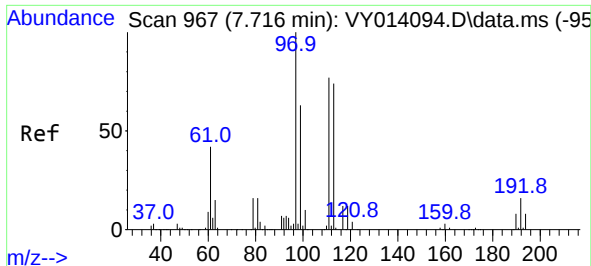
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.0 0.0 30.6

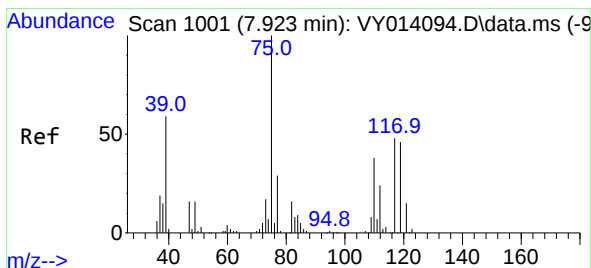
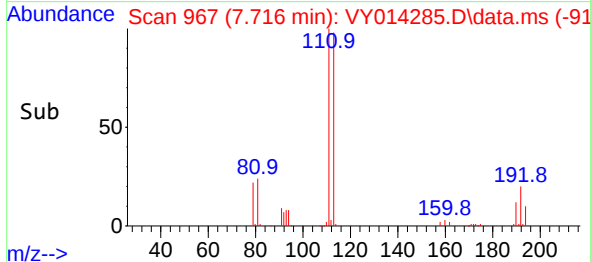
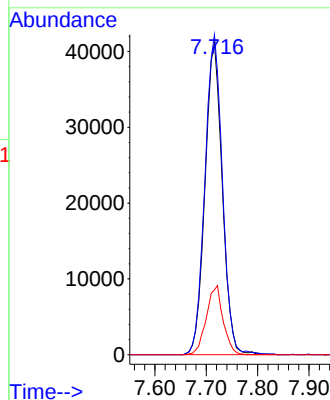
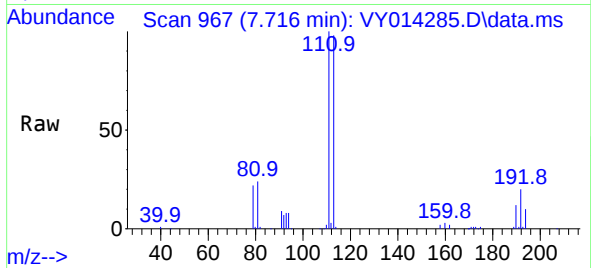




#35
Dibromofluoromethane
Concen: 47.651 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

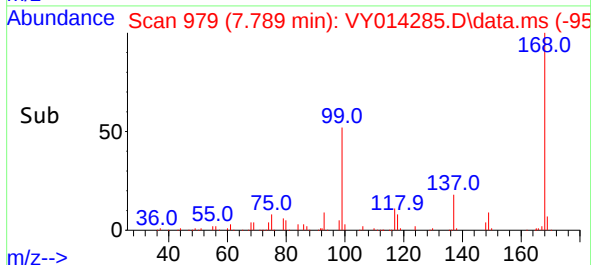
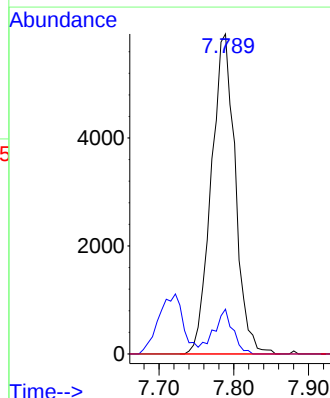
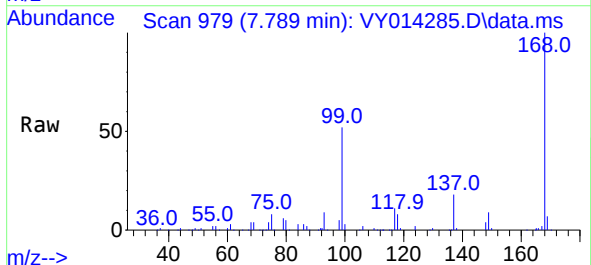
Instrument :
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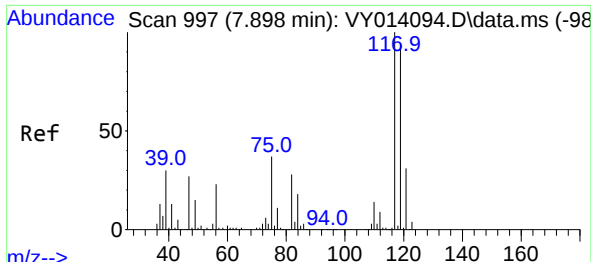
Tgt Ion:	113	Resp:	95995
Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.3	121.9
192	21.4	16.9	25.3



#36
1,1-Dichloropropene
Concen: 4.207 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

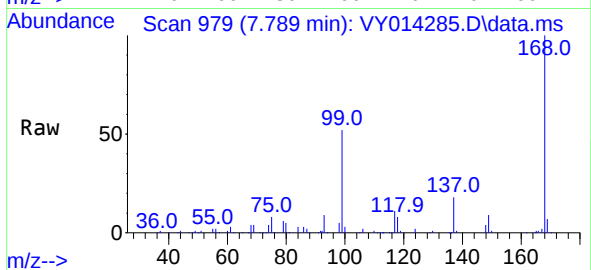
Tgt Ion:	75	Resp:	13212
Ion	Ratio	Lower	Upper
75	100		
110	11.2	17.8	53.5#
77	0.0	24.4	36.6#



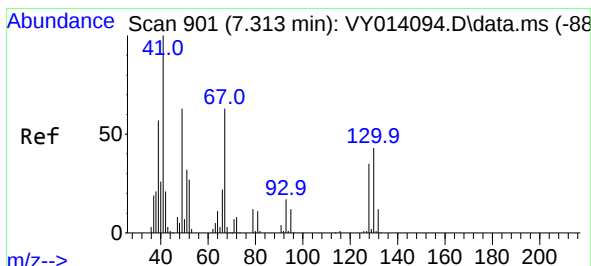
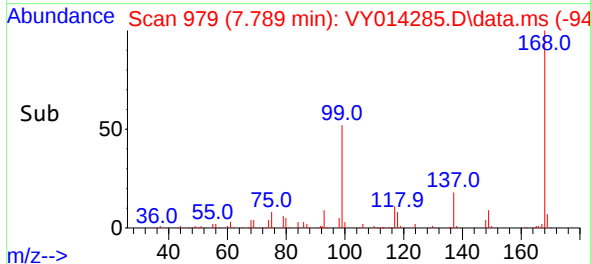
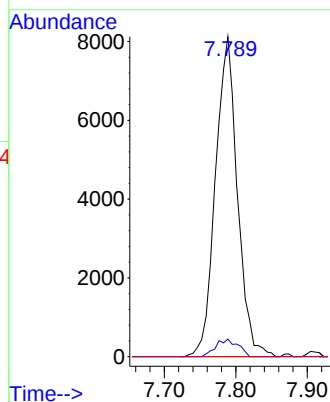


#38
Carbon Tetrachloride
Concen: 4.785 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-7

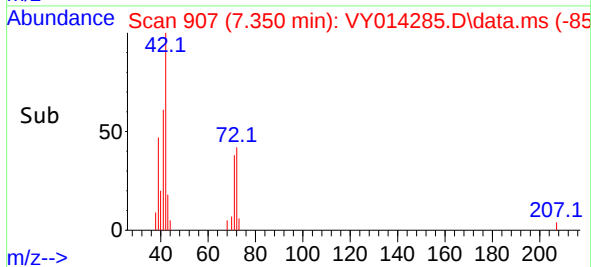
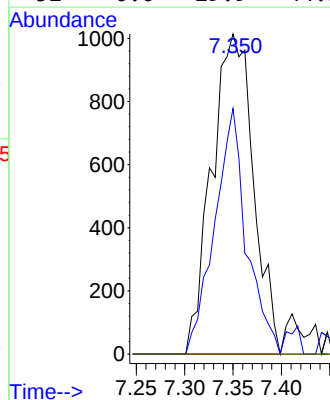
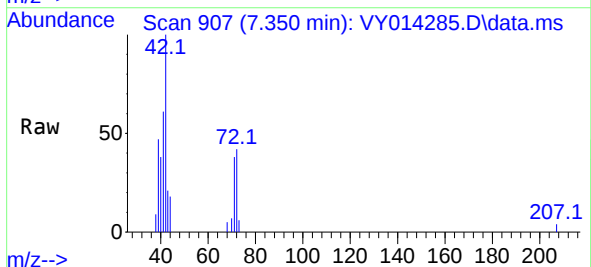


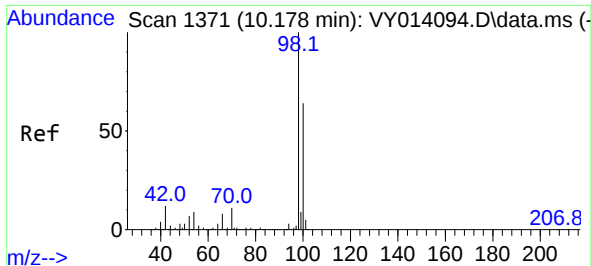
Tgt Ion:117 Resp: 17342
Ion Ratio Lower Upper
117 100
119 5.5 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.752 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

Tgt Ion: 41 Resp: 3044
Ion Ratio Lower Upper
41 100
39 58.6 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

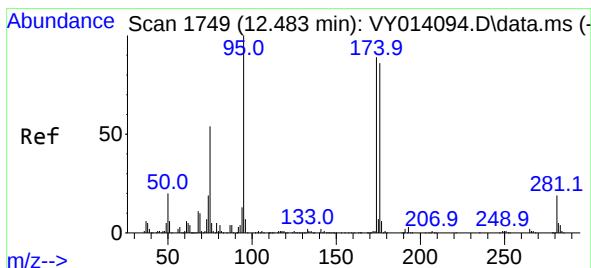
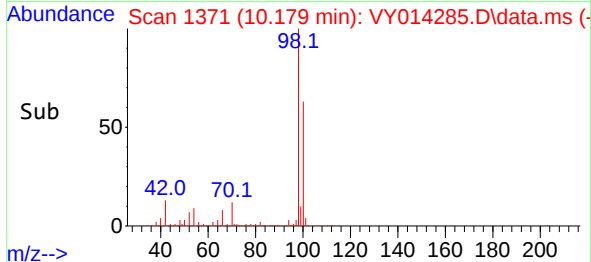
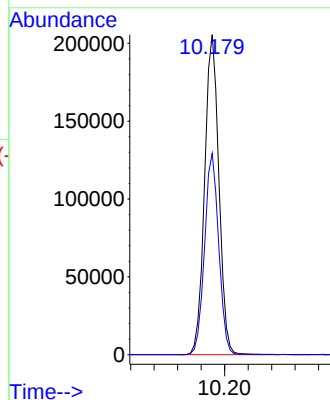
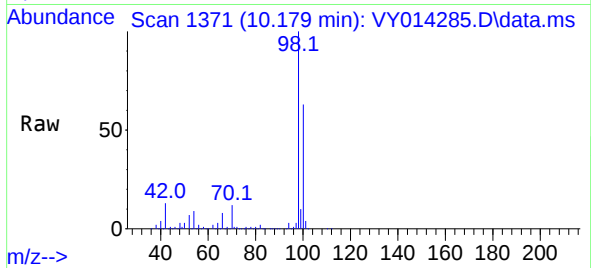




#50
Toluene-d8
Concen: 46.079 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

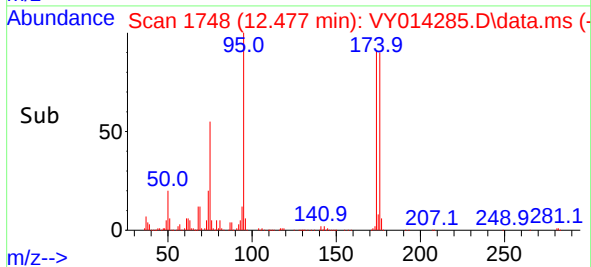
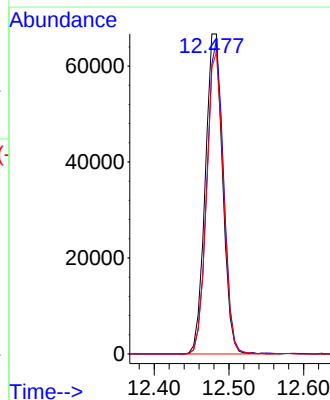
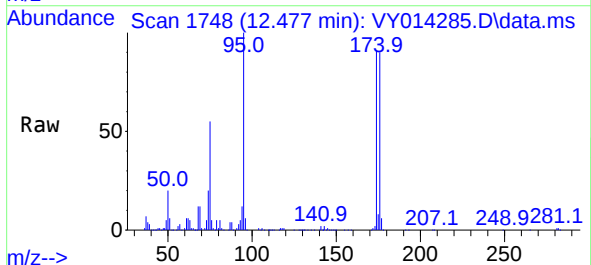
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-7

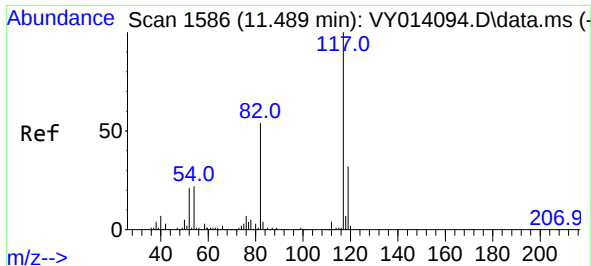
Tgt Ion: 98 Resp: 347044
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 40.111 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

Tgt Ion: 95 Resp: 107314
Ion Ratio Lower Upper
95 100
174 94.6 0.0 178.2
176 91.2 0.0 173.8

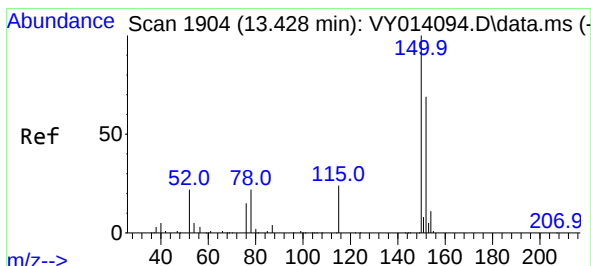
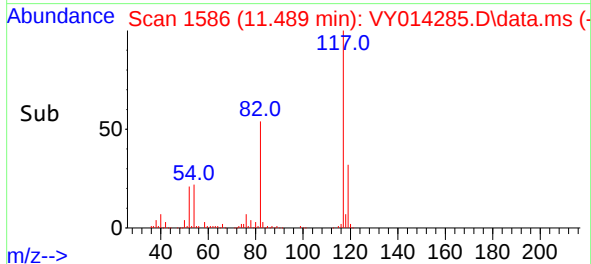
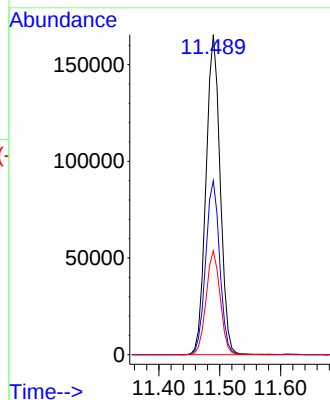
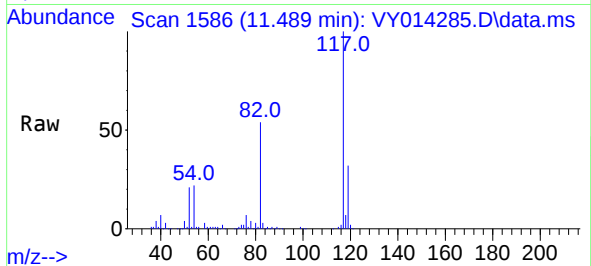




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

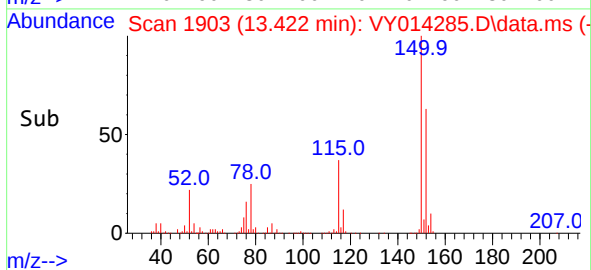
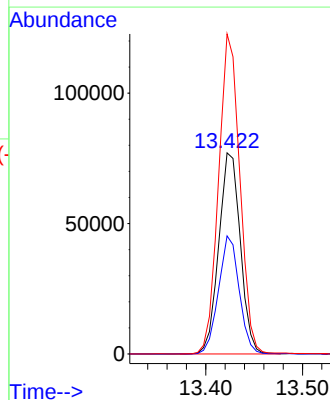
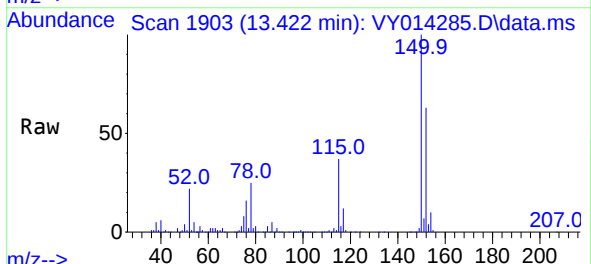
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-7

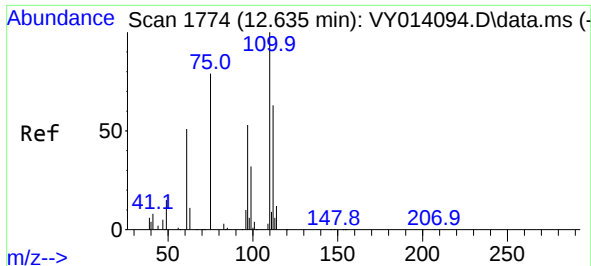
Tgt Ion:117 Resp: 267572
Ion Ratio Lower Upper
117 100
82 54.4 43.4 65.0
119 32.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

Tgt Ion:152 Resp: 119224
Ion Ratio Lower Upper
152 100
115 56.3 28.8 86.5
150 157.1 0.0 348.8

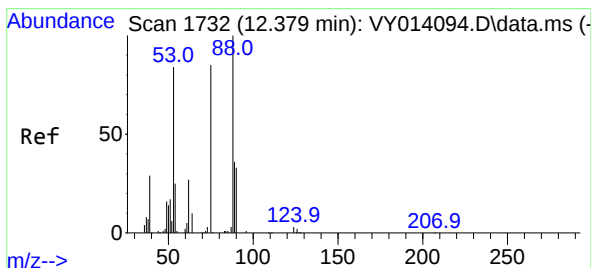
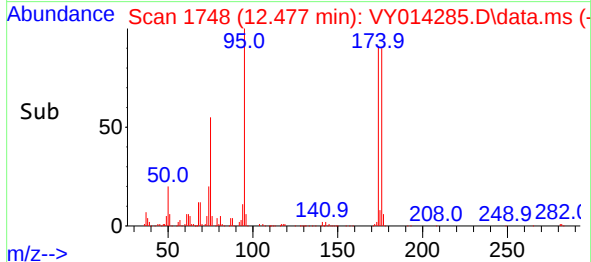
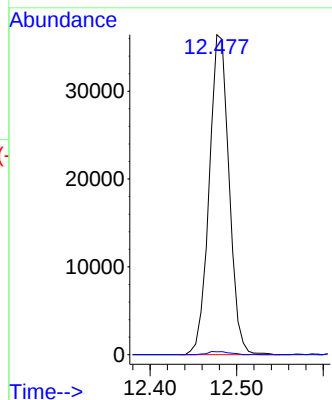
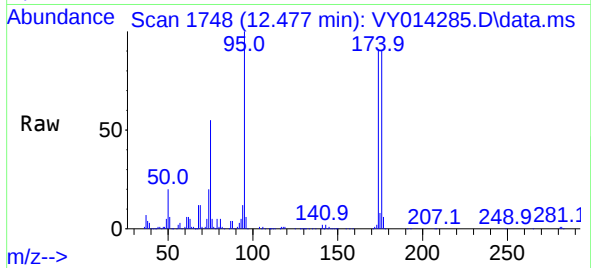




#76
1,2,3-Trichloropropane
Concen: 37.135 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

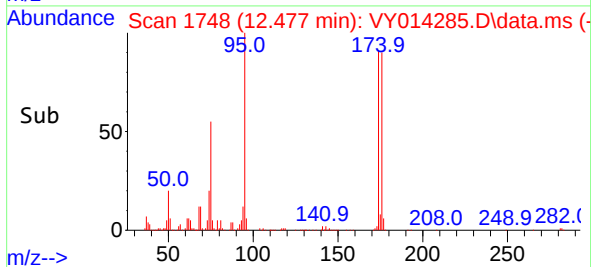
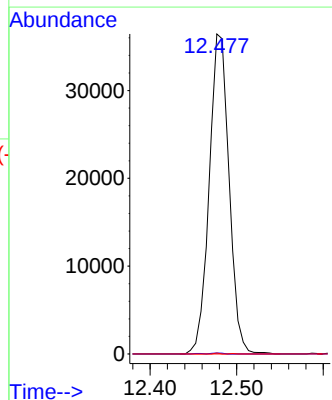
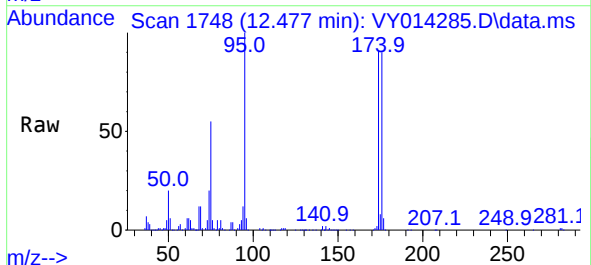
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-7

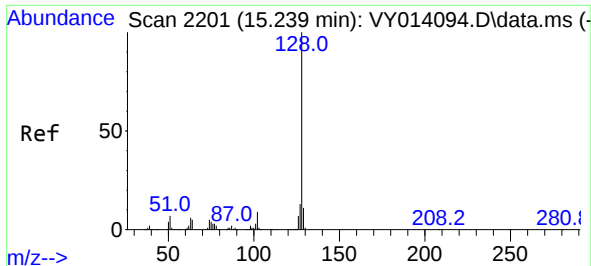
Tgt Ion: 75 Resp: 58086
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.271 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

Tgt Ion: 75 Resp: 58086
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.1 37.4 56.0#





#95
Naphthalene
Concen: 5.238 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY014285.D
Acq: 20 Jun 2023 15:56

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-7

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.8	16.2
129	11.2	8.6	13.0

