

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014270.D
 Acq On : 20 Jun 2023 08:56
 Operator : KP/MD
 Sample : 03298-05
 Misc : 4.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-04-GRAB-6

Quant Time: Jun 20 11:25:25 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)

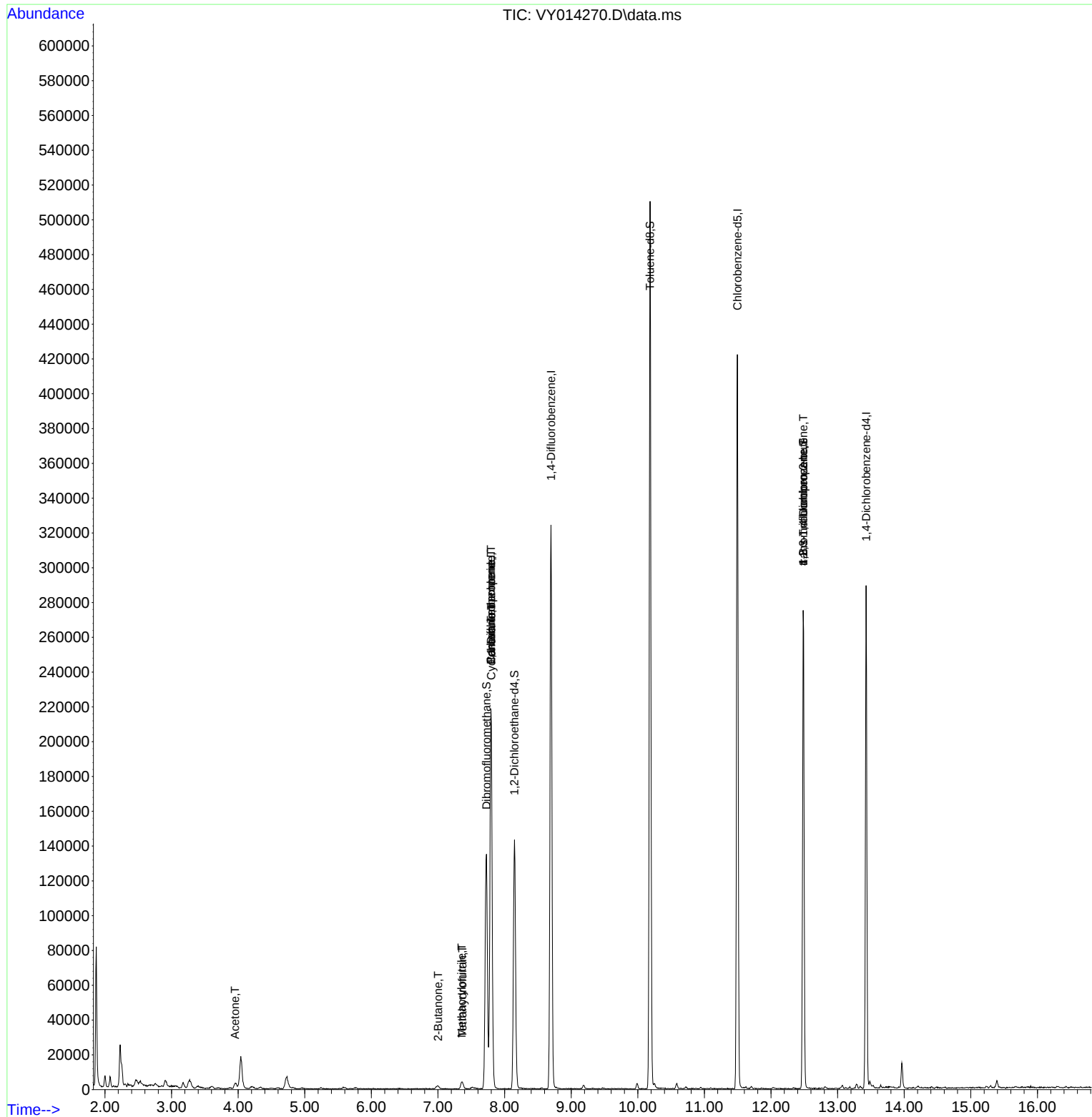
Internal Standards						
1) Pentafluorobenzene	7.795	168	171710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	270113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	224718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	120101	50.229	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.460%	
35) Dibromofluoromethane	7.728	113	93035	48.568	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.140%	
50) Toluene-d8	10.185	98	319537	44.618	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 89.240%	
62) 4-Bromofluorobenzene	12.483	95	77504	30.465	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 60.940%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	516	Below Cal	#	76
16) Acetone	3.954	43	5826	8.083	ug/l	98
20) Methylene Chloride	4.722	84	4975	Below Cal		93
25) 2-Butanone	7.003	43	1632	1.839	ug/l	96
29) Tetrahydrofuran	7.368	42	3117	5.540	ug/l	98
31) Cyclohexane	7.801	56	4136	1.291	ug/l	# 1
36) 1,1-Dichloropropene	7.795	75	12665	4.241	ug/l	# 50
38) Carbon Tetrachloride	7.795	117	16996	4.932	ug/l	# 16
41) Methacrylonitrile	7.356	41	2152	2.046	ug/l	# 43
76) 1,2,3-Trichloropropane	12.483	75	43342	46.164	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	43342	99.789	ug/l	# 11

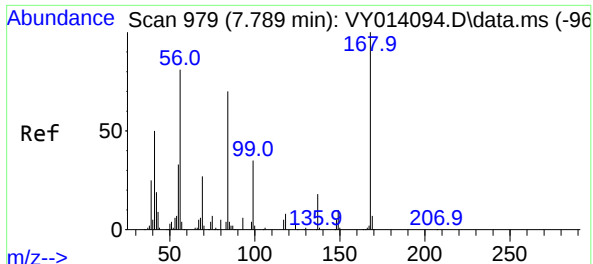
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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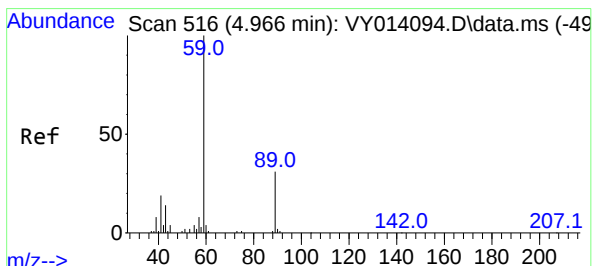
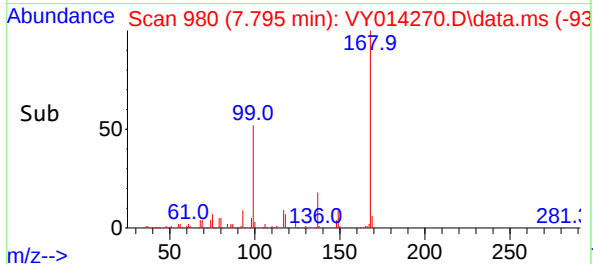
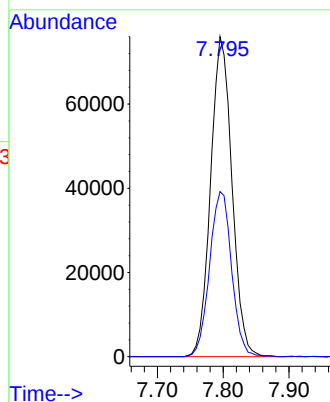
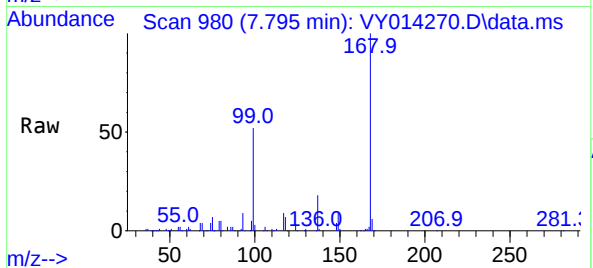




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014270.D
Acq: 20 Jun 2023 08:56

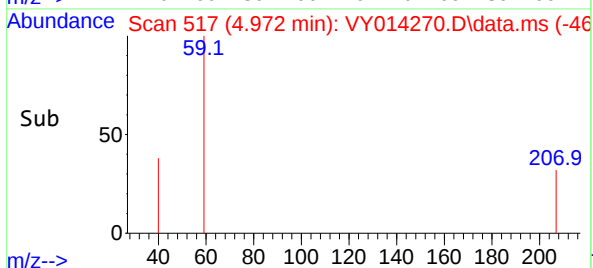
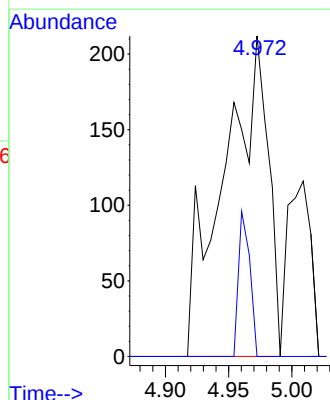
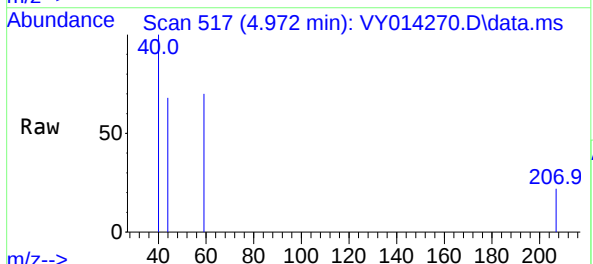
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-6

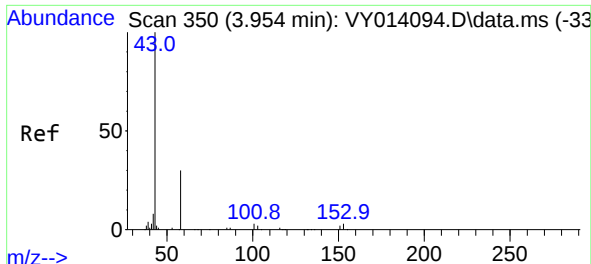
Tgt Ion:168 Resp: 171710
Ion Ratio Lower Upper
168 100
99 51.6 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014270.D
Acq: 20 Jun 2023 08:56

Tgt Ion: 59 Resp: 516
Ion Ratio Lower Upper
59 100
57 11.6 3.0 4.4#

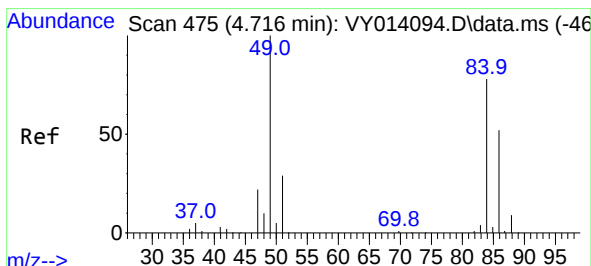
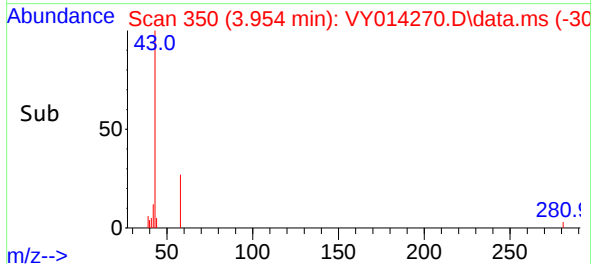
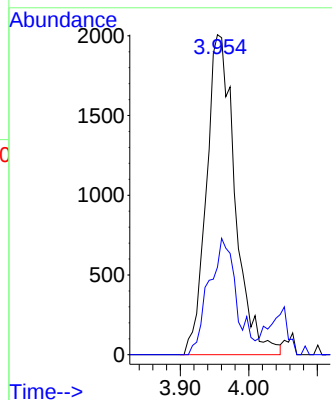
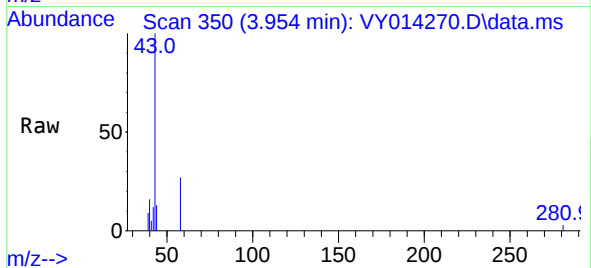




#16
Acetone
Concen: 8.083 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014270.D
Acq: 20 Jun 2023 08:56

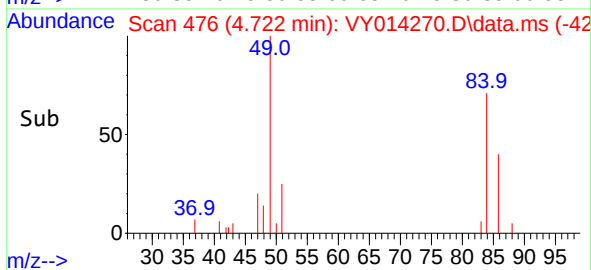
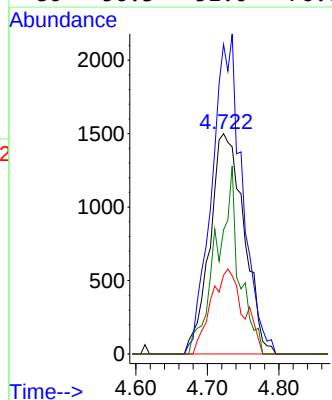
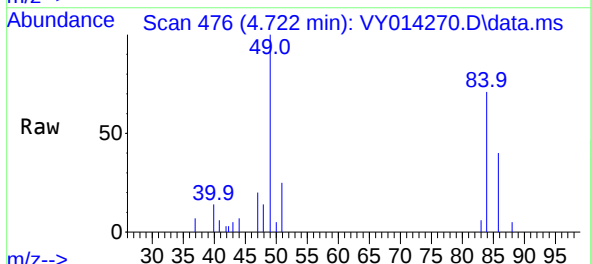
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-6

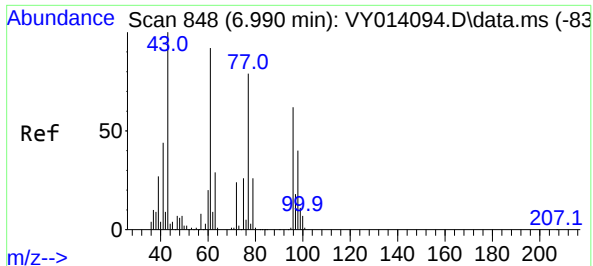
Tgt Ion: 43 Resp: 5826
Ion Ratio Lower Upper
43 100
58 27.4 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014270.D
Acq: 20 Jun 2023 08:56

Tgt Ion: 84 Resp: 4975
Ion Ratio Lower Upper
84 100
49 140.5 106.9 160.3
51 35.7 33.2 49.8
86 56.3 51.0 76.6





#25

2-Butanone

Concen: 1.839 ug/l

RT: 7.003 min Scan# 81

Delta R.T. 0.013 min

Lab File: VY014270.D

Acq: 20 Jun 2023 08:56

Instrument :

MSVOA_Y

ClientSampleId :

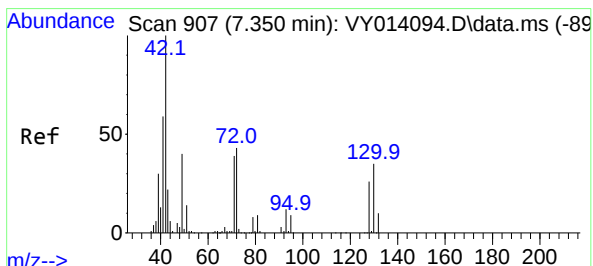
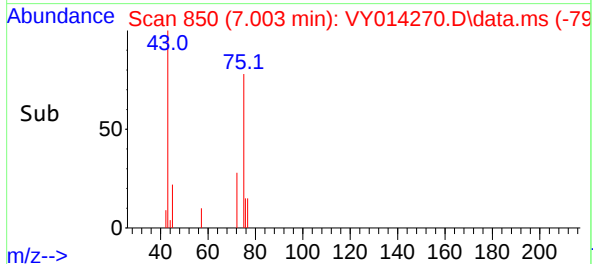
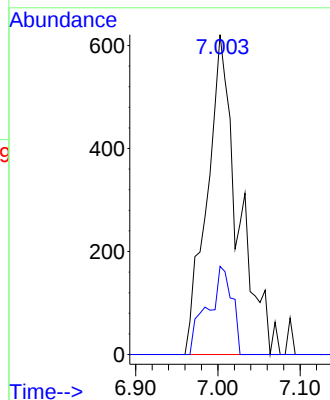
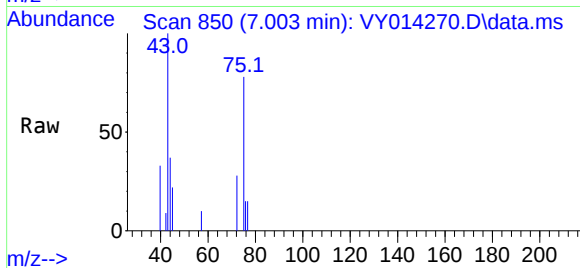
TOTAL-VOC-TW-04-GRAB-6

Tgt Ion: 43 Resp: 1632

Ion Ratio Lower Upper

43 100

72 27.5 20.5 30.7



#29

Tetrahydrofuran

Concen: 5.540 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.018 min

Lab File: VY014270.D

Acq: 20 Jun 2023 08:56

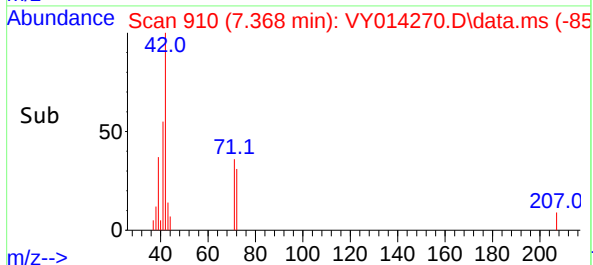
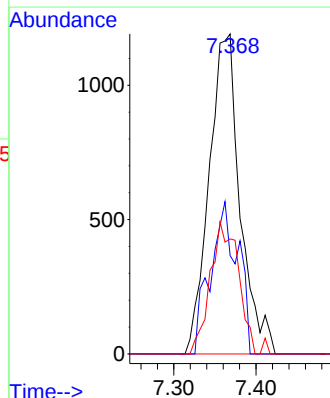
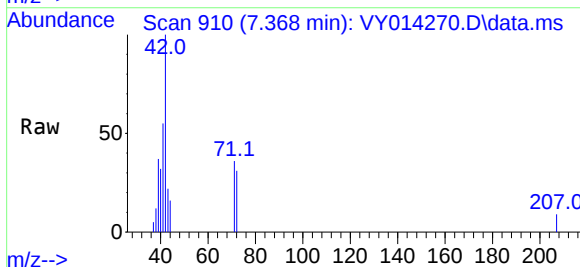
Tgt Ion: 42 Resp: 3117

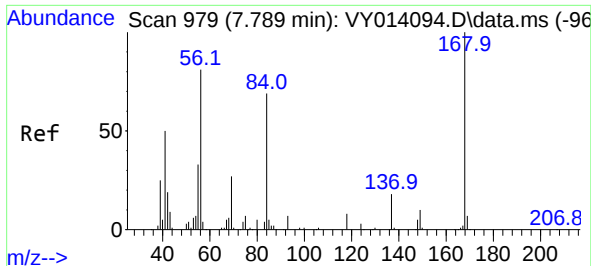
Ion Ratio Lower Upper

42 100

72 42.4 32.8 49.2

71 37.3 31.0 46.4

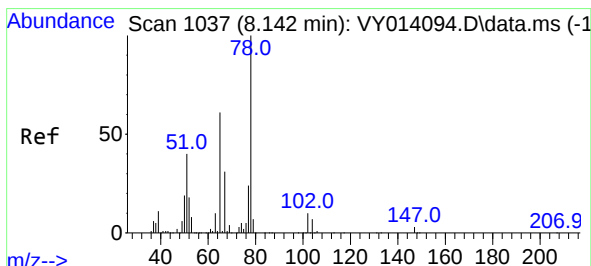
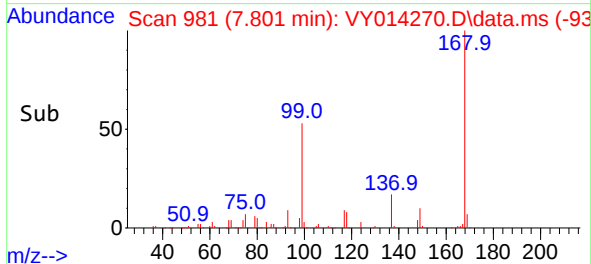
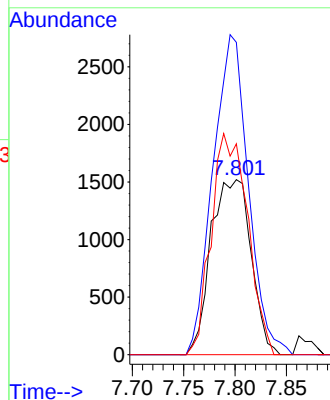
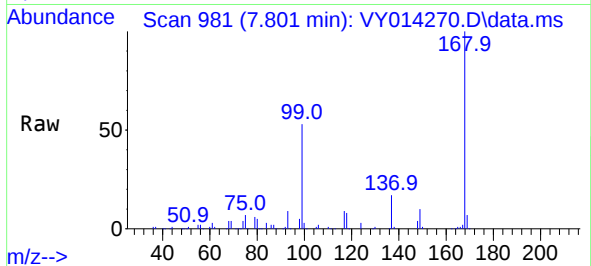




#31
Cyclohexane
Concen: 1.291 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014270.D
Acq: 20 Jun 2023 08:56

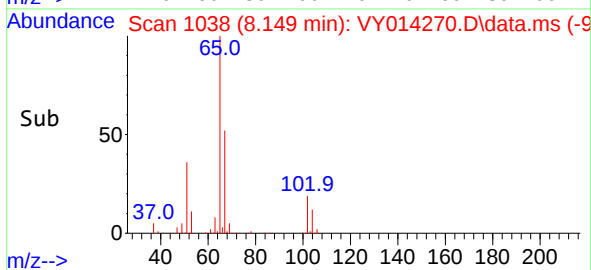
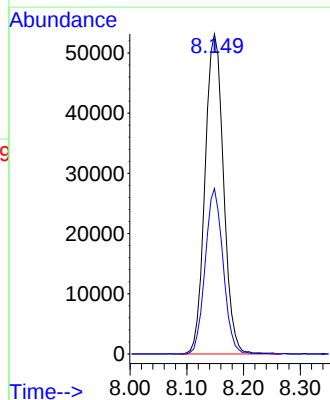
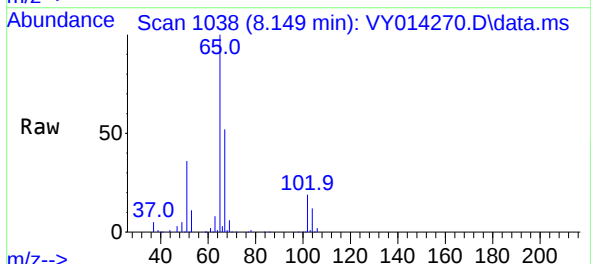
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-6

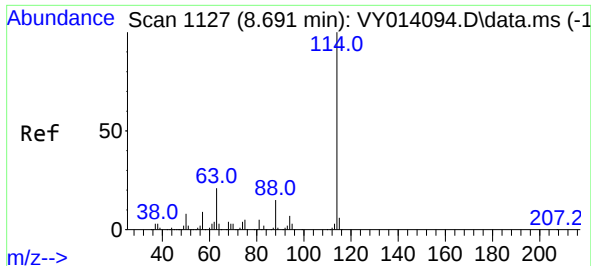
Tgt Ion: 56 Resp: 4136
Ion Ratio Lower Upper
56 100
69 178.4 27.8 41.6#
84 120.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.229 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014270.D
Acq: 20 Jun 2023 08:56

Tgt Ion: 65 Resp: 120101
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: VY014270.D

Acq: 20 Jun 2023 08:56

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-04-GRAB-6

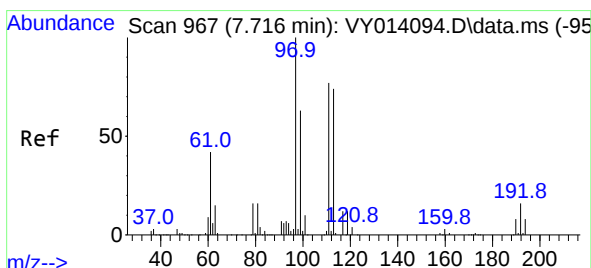
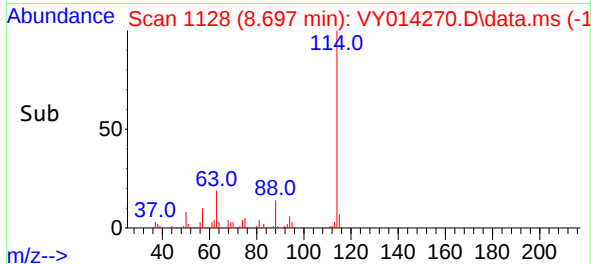
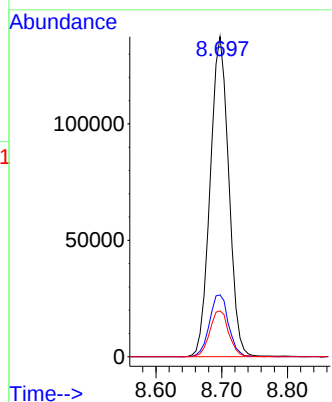
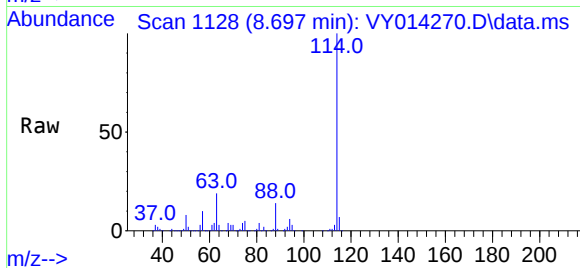
Tgt Ion:114 Resp: 270113

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.568 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014270.D

Acq: 20 Jun 2023 08:56

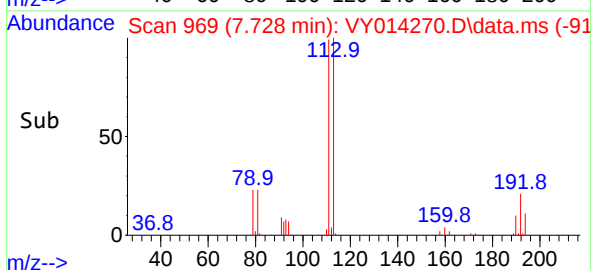
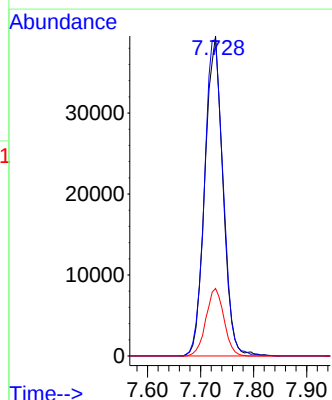
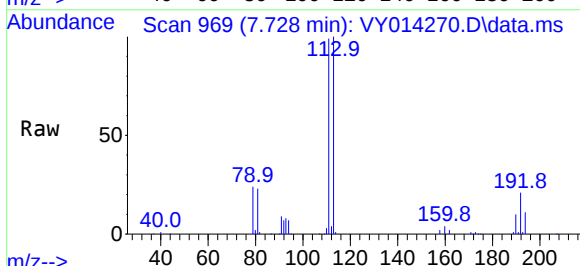
Tgt Ion:113 Resp: 93035

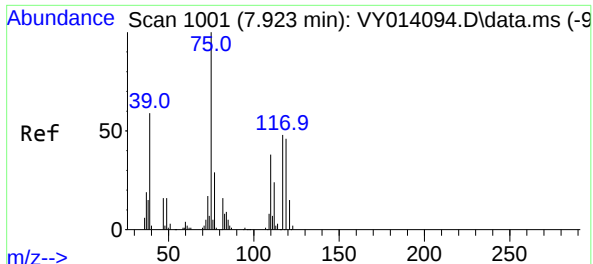
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

192 21.1 16.9 25.3

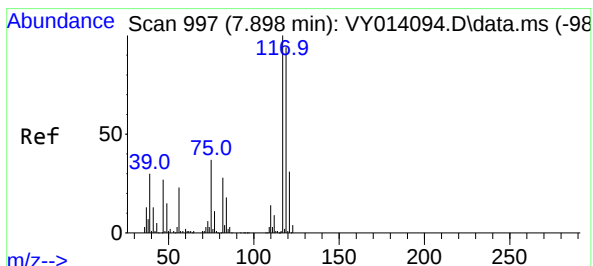
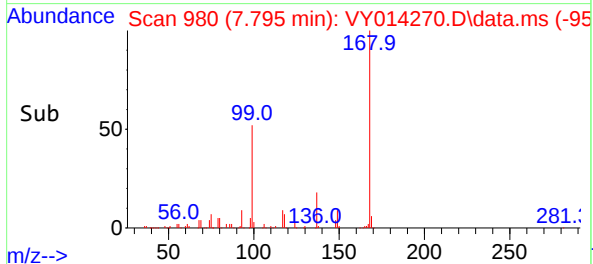
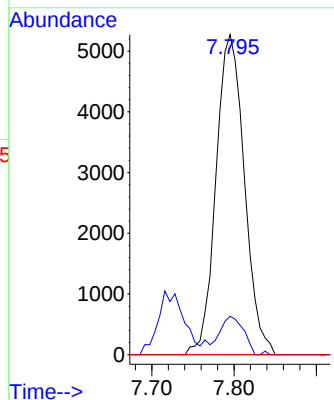
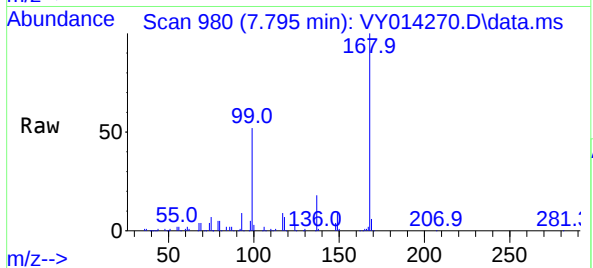




#36
1,1-Dichloropropene
Concen: 4.241 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014270.D
Acq: 20 Jun 2023 08:56

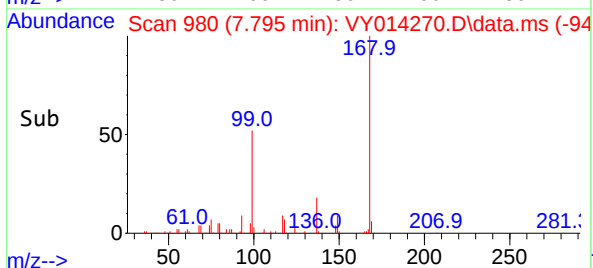
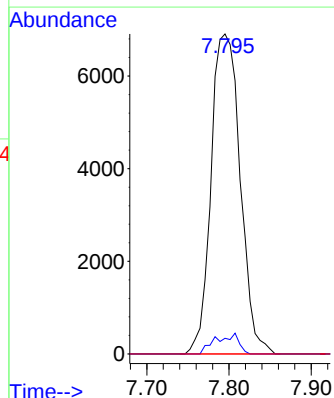
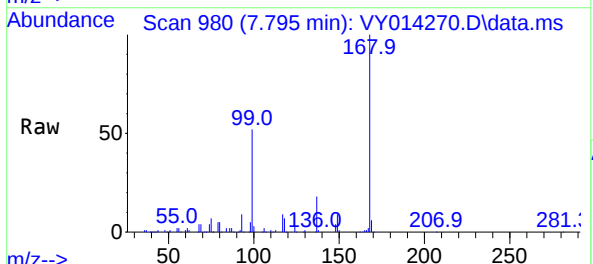
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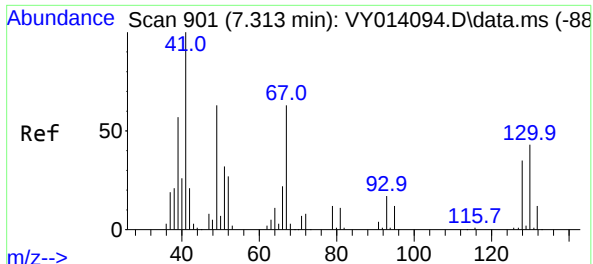
Tgt Ion: 75 Resp: 12665
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.932 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.103 min
Lab File: VY014270.D
Acq: 20 Jun 2023 08:56

Tgt Ion: 117 Resp: 16996
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#

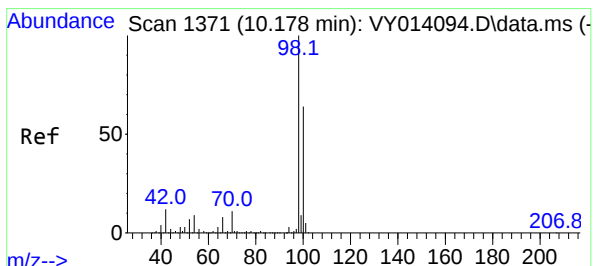
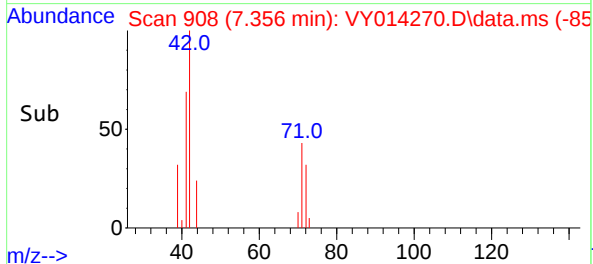
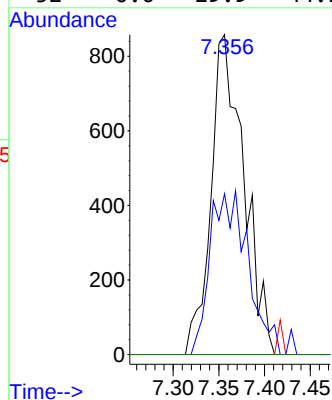
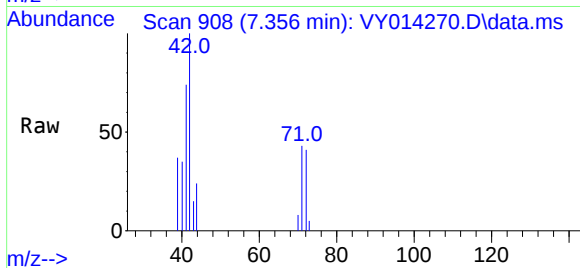




#41
Methacrylonitrile
Concen: 2.046 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY014270.D
Acq: 20 Jun 2023 08:56

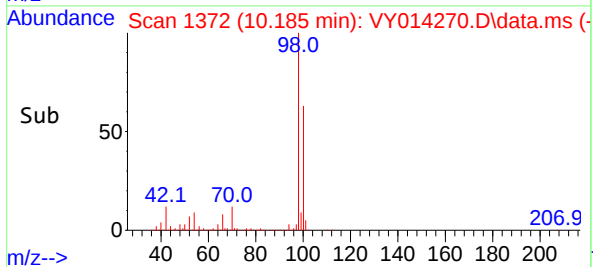
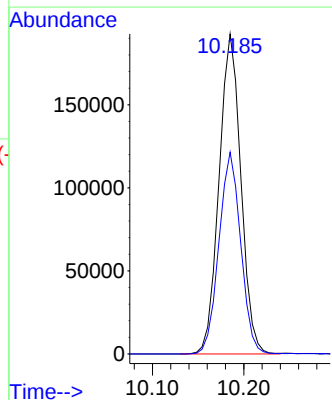
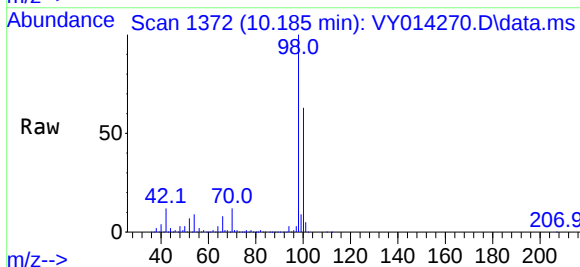
Instrument :
MSVOA_Y
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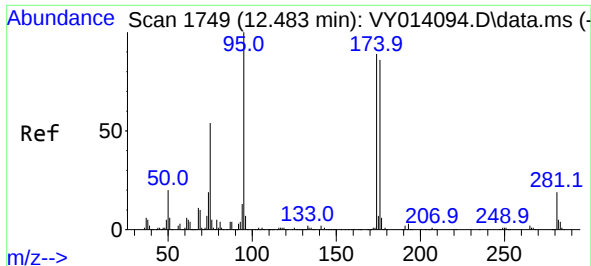
Tgt Ion: 41	Resp: 2152
Ion Ratio	Lower Upper
41 100	
39 58.5	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 44.618 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014270.D
Acq: 20 Jun 2023 08:56

Tgt Ion: 98	Resp: 319537
Ion Ratio	Lower Upper
98 100	
100 63.1	50.1 75.1

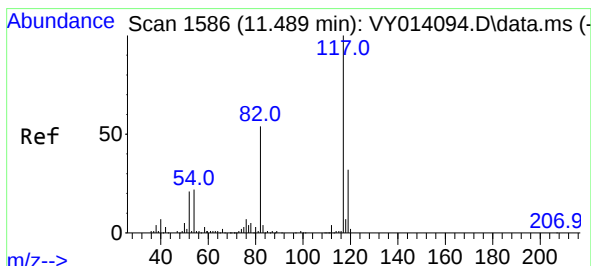
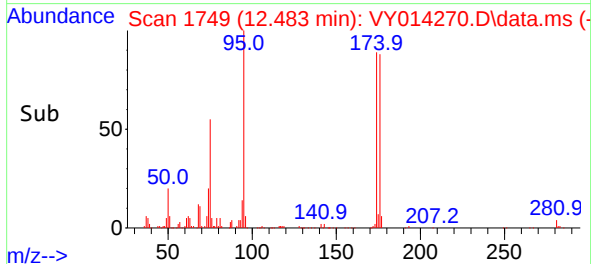
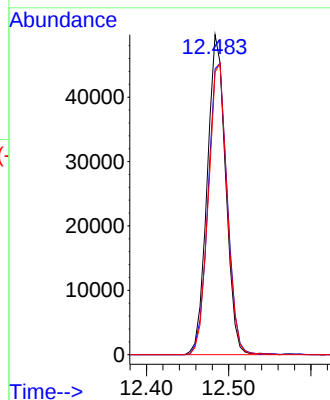
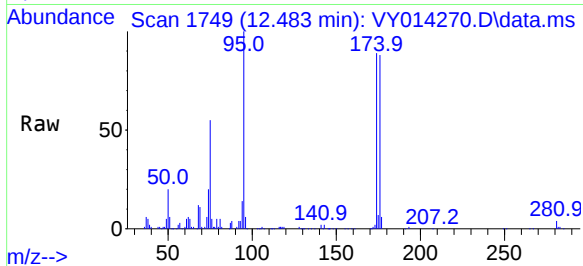




#62
4-Bromofluorobenzene
Concen: 30.465 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014270.D
Acq: 20 Jun 2023 08:56

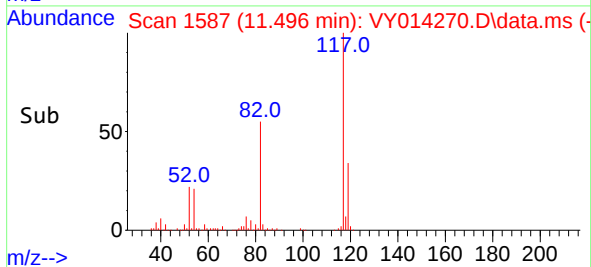
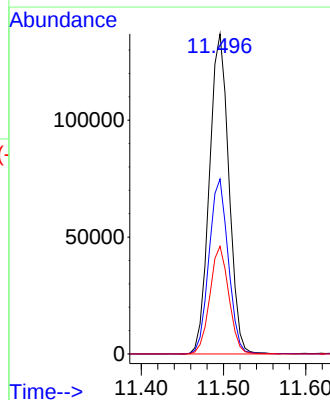
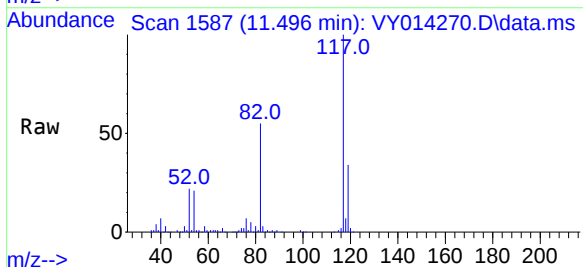
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-6

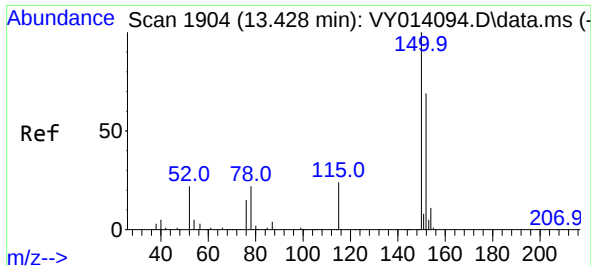
Tgt Ion:	95	Resp:	77504
Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	178.2
176	92.3	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014270.D
Acq: 20 Jun 2023 08:56

Tgt Ion:	117	Resp:	224718
Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.4	65.0
119	33.6	26.3	39.5

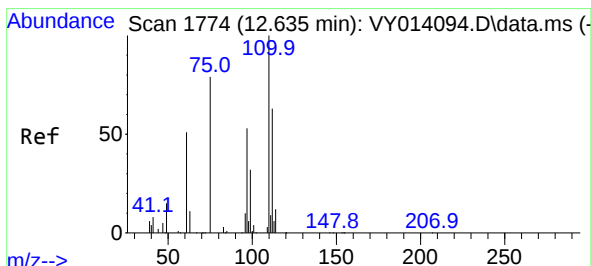
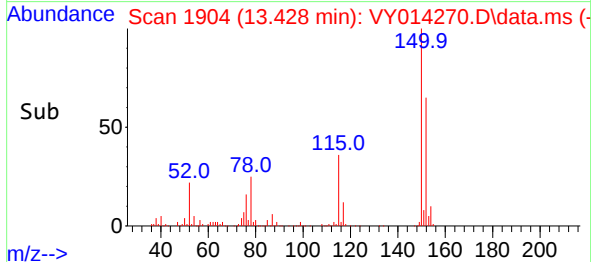
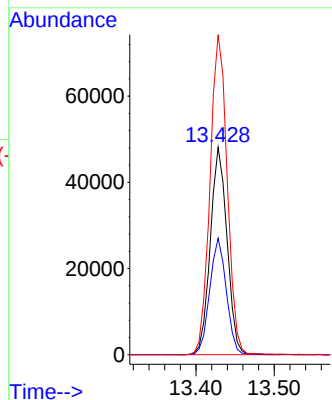
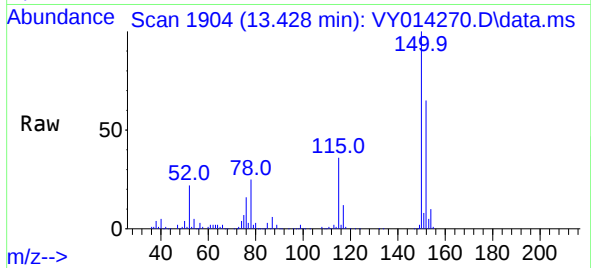




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014270.D
Acq: 20 Jun 2023 08:56

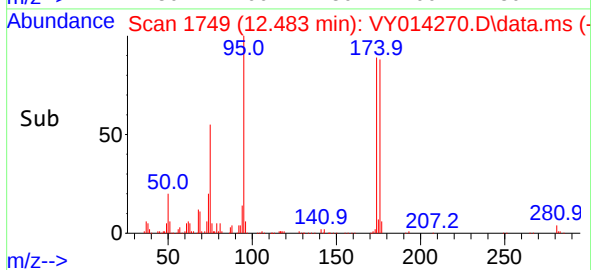
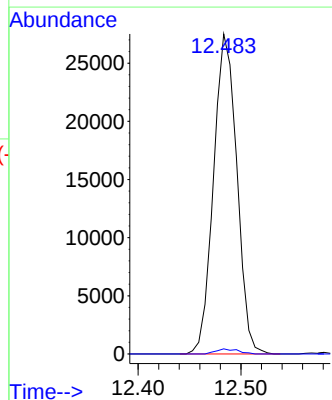
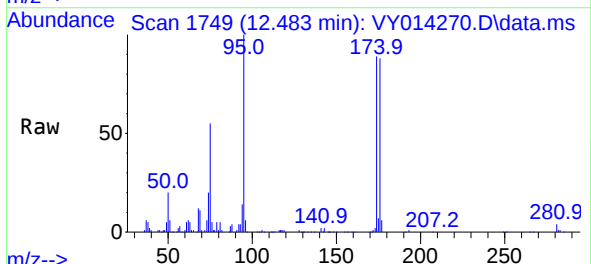
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-6

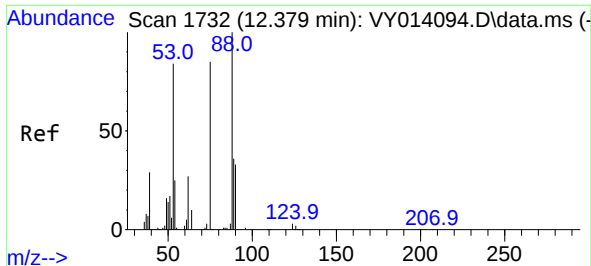
Tgt Ion:152 Resp: 71561
Ion Ratio Lower Upper
152 100
115 55.7 28.8 86.5
150 158.1 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 46.164 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014270.D
Acq: 20 Jun 2023 08:56

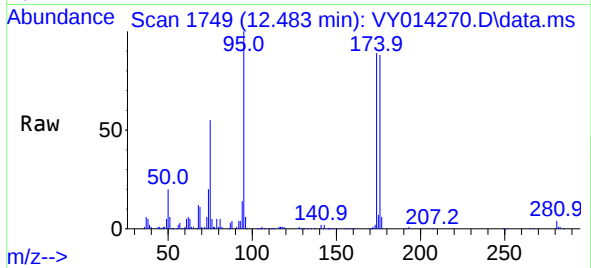
Tgt Ion: 75 Resp: 43342
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.789 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014270.D
 Acq: 20 Jun 2023 08:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-04-GRAB-6



Tgt Ion: 75 Resp: 43342
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 37.4 56.0#

