

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014271.D
 Acq On : 20 Jun 2023 09:20
 Operator : KP/MD
 Sample : 03298-06
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-04-GRAB-7

Quant Time: Jun 20 11:25:34 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)

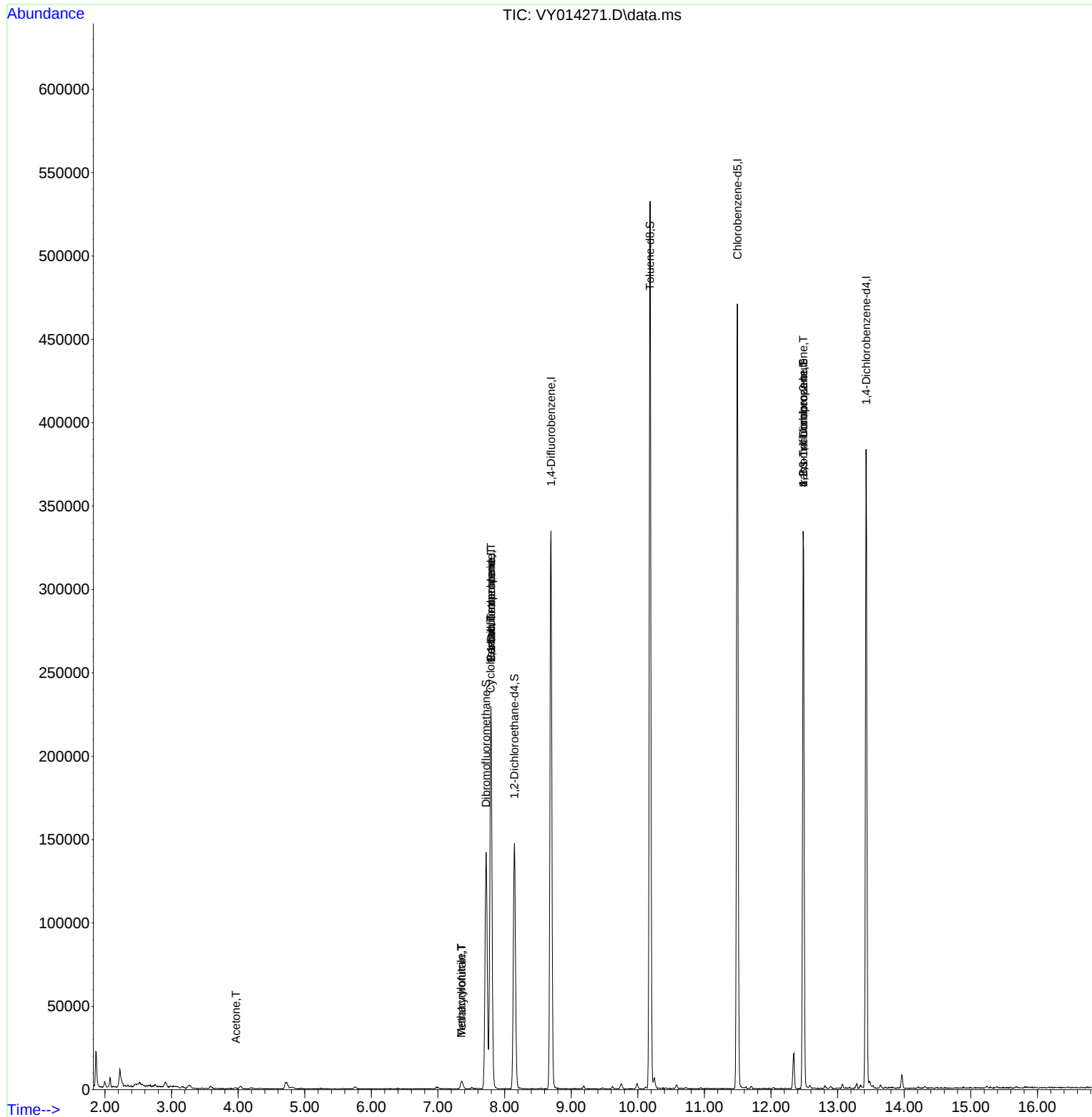
Internal Standards						
1) Pentafluorobenzene	7.795	168	174737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	280238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	251293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	124755	51.271	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.540%	
35) Dibromofluoromethane	7.722	113	95018	47.811	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.620%	
50) Toluene-d8	10.185	98	337414	45.412	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.820%	
62) 4-Bromofluorobenzene	12.483	95	96400	36.524	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 73.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	152	Below Cal	#	89
16) Acetone	3.966	43	1263	1.722	ug/l #	80
20) Methylene Chloride	4.728	84	2985	Below Cal	#	79
29) Tetrahydrofuran	7.356	42	3621	6.325	ug/l	93
31) Cyclohexane	7.789	56	4484	1.376	ug/l #	37
36) 1,1-Dichloropropene	7.795	75	13086	4.224	ug/l #	49
38) Carbon Tetrachloride	7.795	117	17822	4.985	ug/l #	16
41) Methacrylonitrile	7.350	41	1103	1.011	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	52030	41.252	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52030	89.170	ug/l #	11

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

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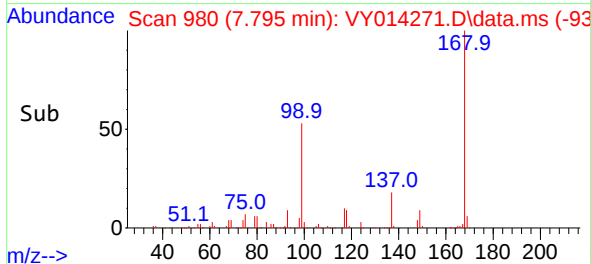
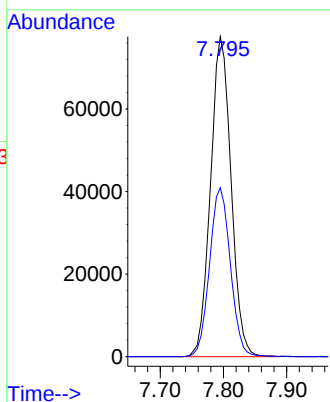
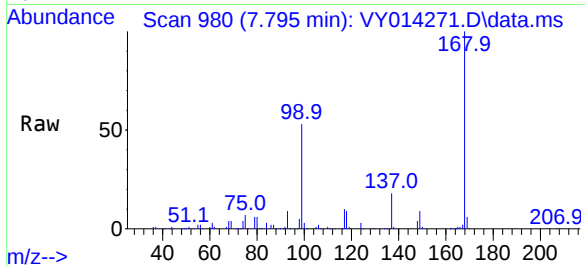




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

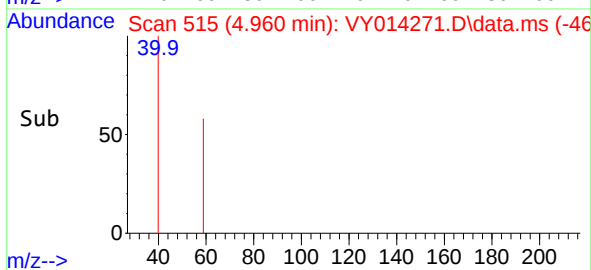
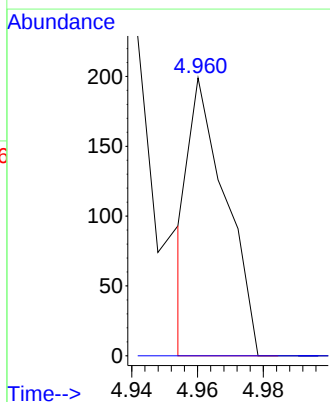
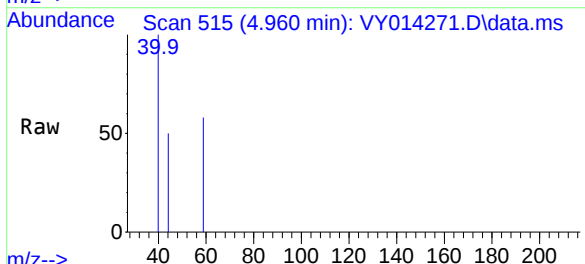
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-7

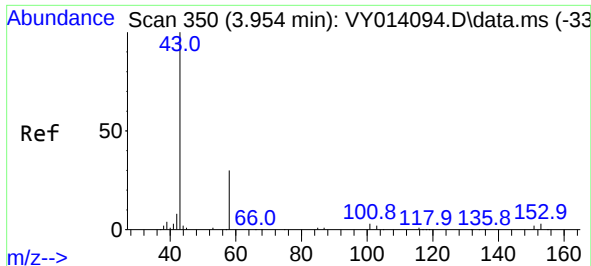
Tgt Ion:168 Resp: 174737
Ion Ratio Lower Upper
168 100
99 52.8 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

Tgt Ion: 59 Resp: 152
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

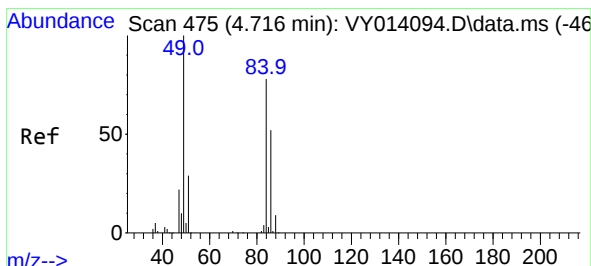
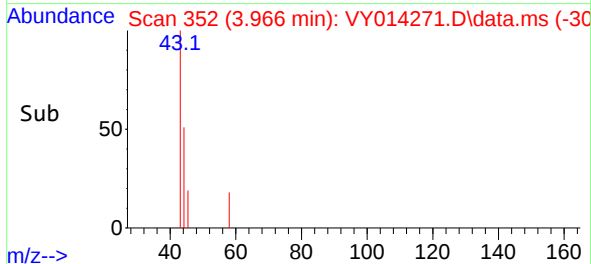
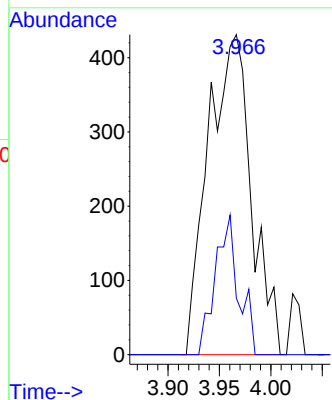
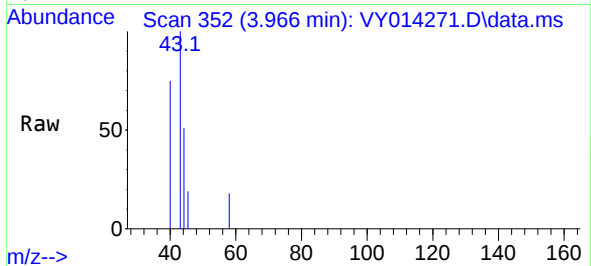




#16
Acetone
Concen: 1.722 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

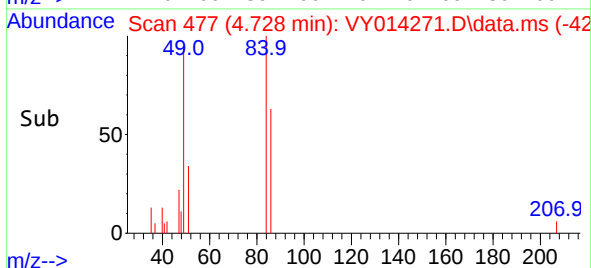
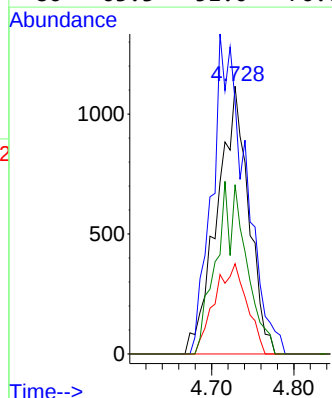
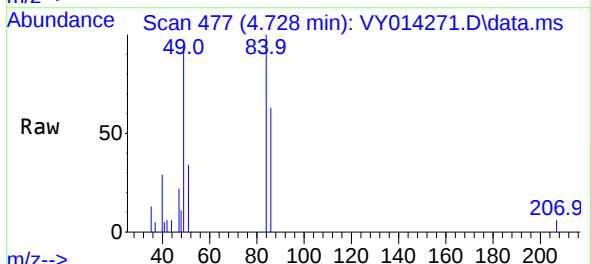
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-7

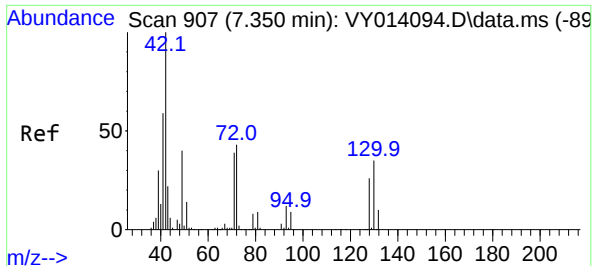
Tgt Ion: 43 Resp: 1263
Ion Ratio Lower Upper
43 100
58 17.6 22.7 34.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

Tgt Ion: 84 Resp: 2985
Ion Ratio Lower Upper
84 100
49 94.5 106.9 160.3#
51 33.7 33.2 49.8
86 63.3 51.0 76.6





#29

Tetrahydrofuran

Concen: 6.325 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014271.D

Acq: 20 Jun 2023 09:20

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-04-GRAB-7

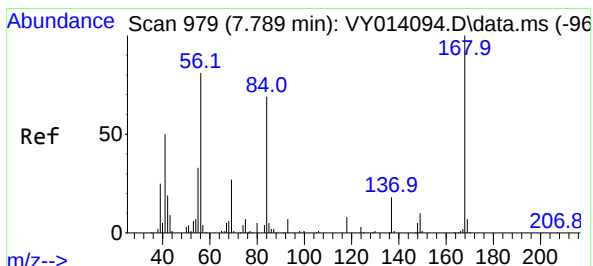
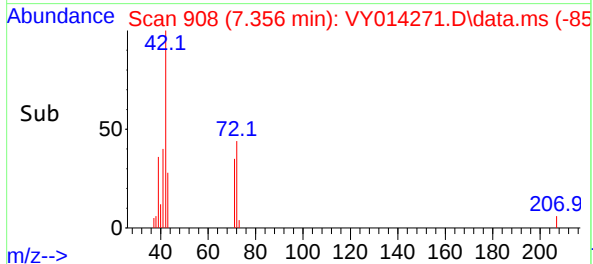
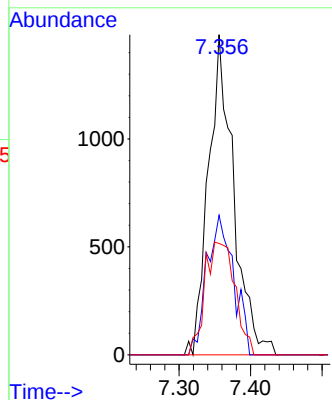
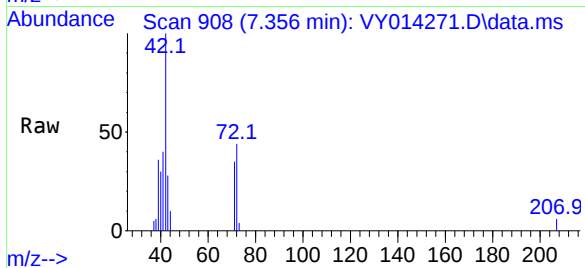
Tgt Ion: 42 Resp: 3621

Ion Ratio Lower Upper

42 100

72 46.2 32.8 49.2

71 42.0 31.0 46.4



#31

Cyclohexane

Concen: 1.376 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY014271.D

Acq: 20 Jun 2023 09:20

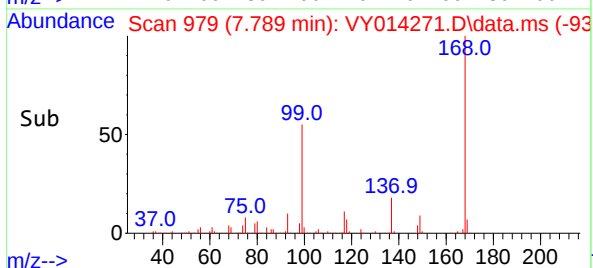
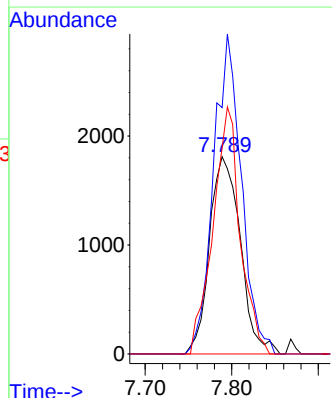
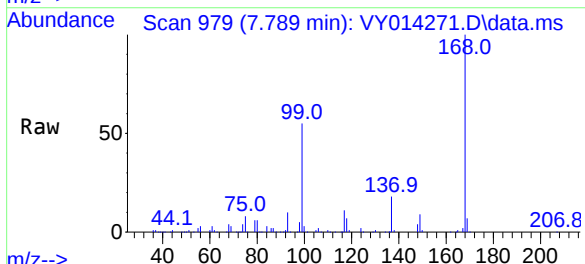
Tgt Ion: 56 Resp: 4484

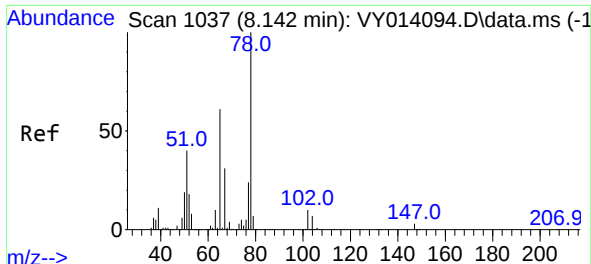
Ion Ratio Lower Upper

56 100

69 124.9 27.8 41.6#

84 104.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 51.271 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY014271.D

Acq: 20 Jun 2023 09:20

Instrument :

MSVOA_Y

ClientSampleId :

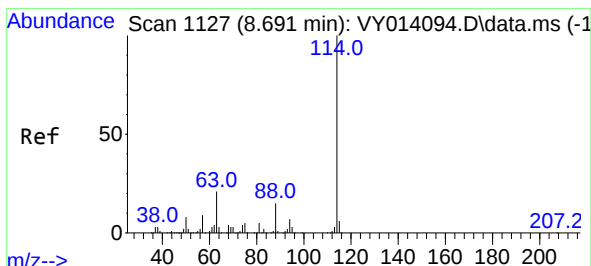
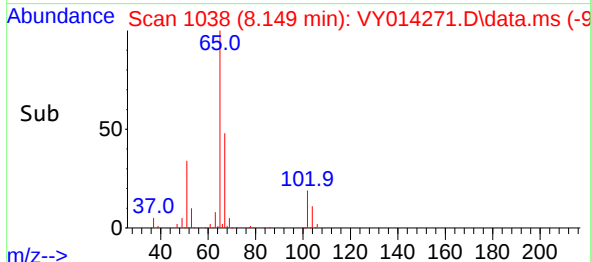
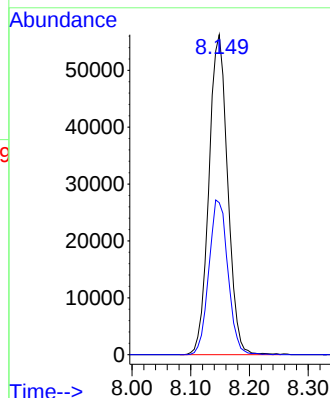
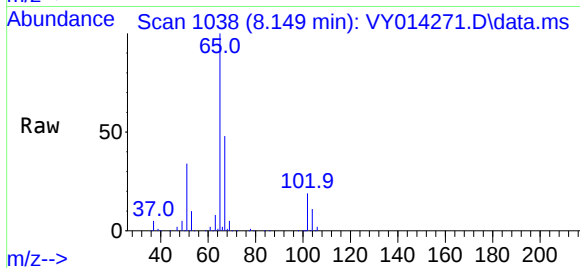
TOTAL-VOC-TW-04-GRAB-7

Tgt Ion: 65 Resp: 124755

Ion Ratio Lower Upper

65 100

67 49.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014271.D

Acq: 20 Jun 2023 09:20

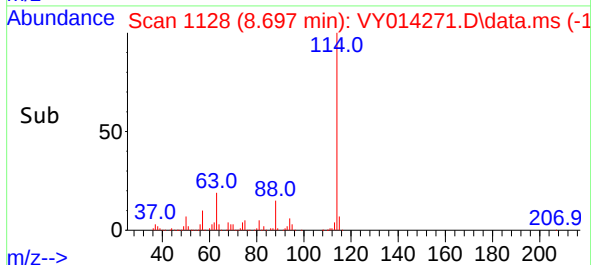
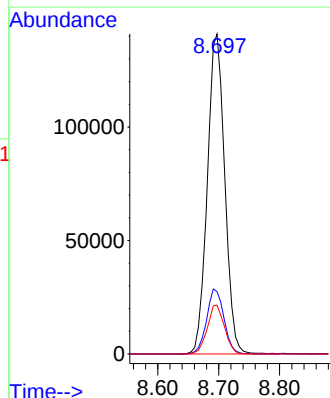
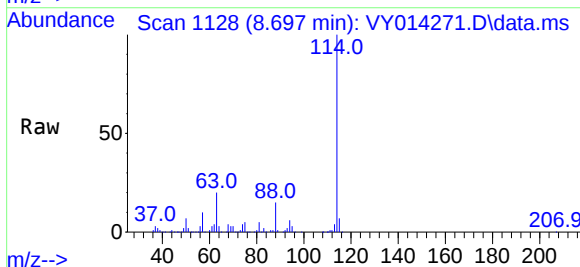
Tgt Ion:114 Resp: 280238

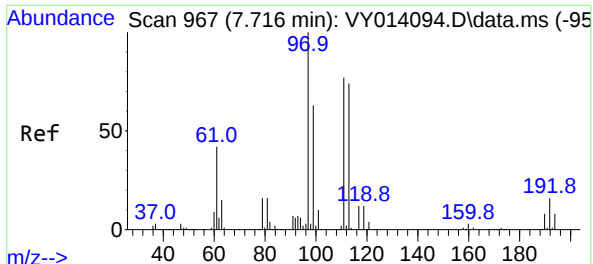
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.811 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY014271.D

Acq: 20 Jun 2023 09:20

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-04-GRAB-7

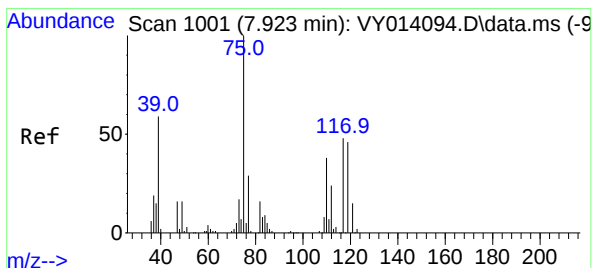
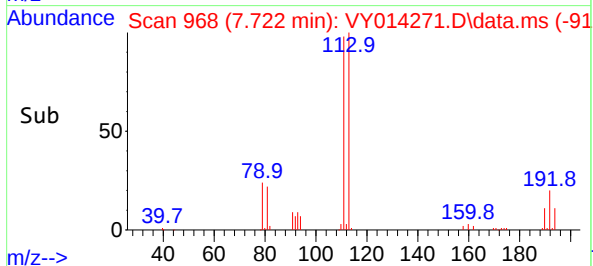
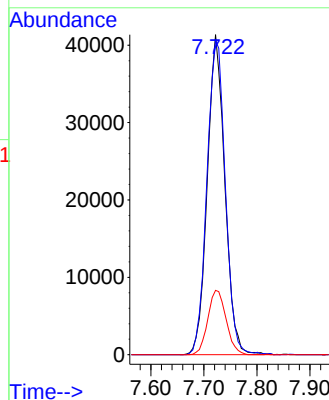
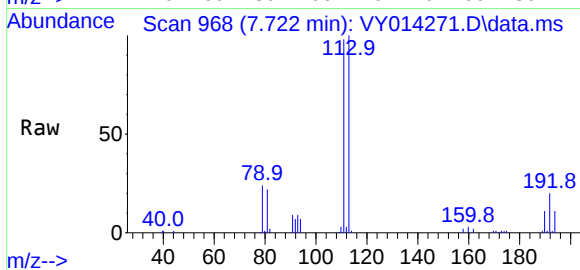
Tgt Ion:113 Resp: 95018

Ion Ratio Lower Upper

113 100

111 102.9 81.3 121.9

192 21.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.224 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY014271.D

Acq: 20 Jun 2023 09:20

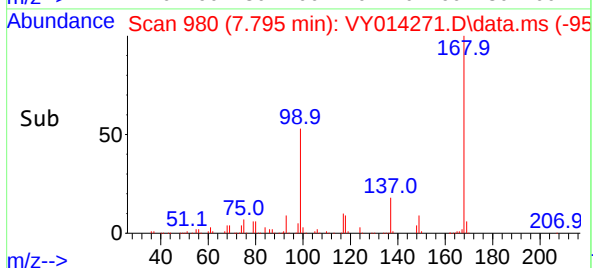
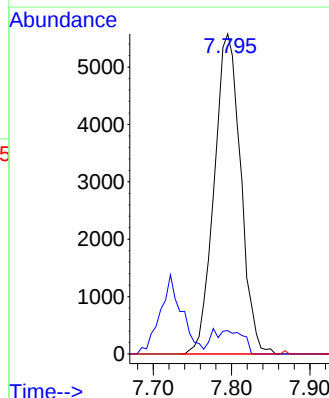
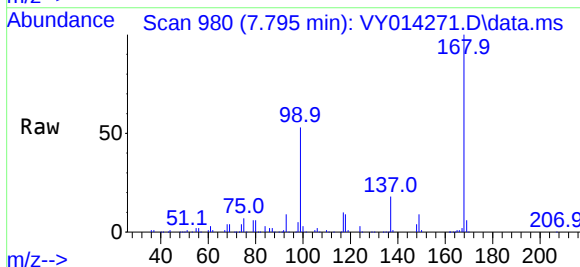
Tgt Ion: 75 Resp: 13086

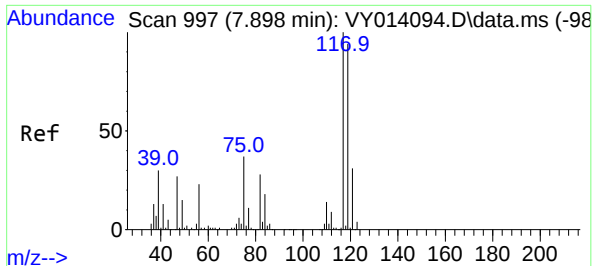
Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.5#

77 0.0 24.4 36.6#

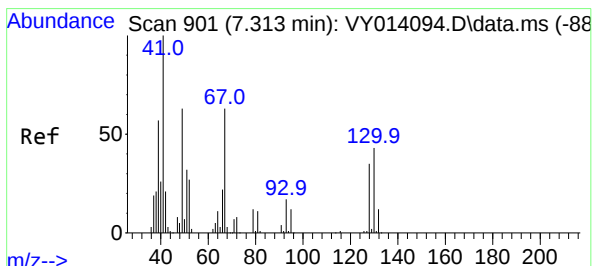
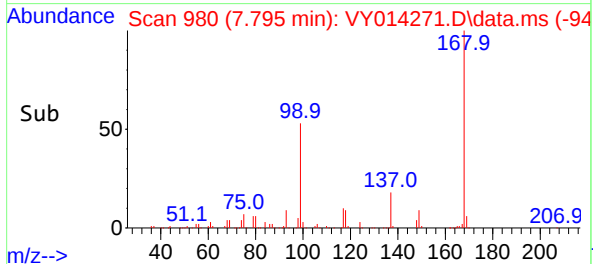
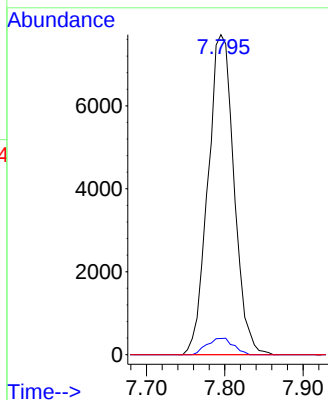
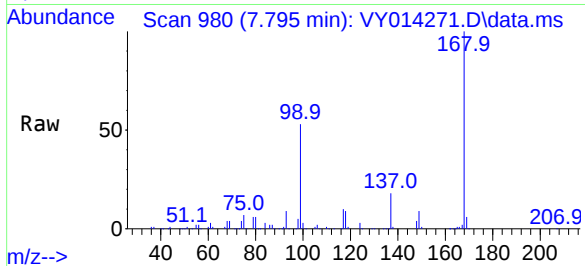




#38
Carbon Tetrachloride
Concen: 4.985 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

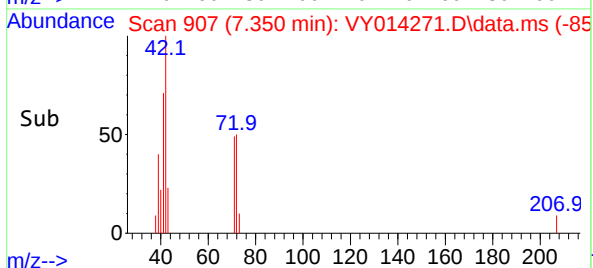
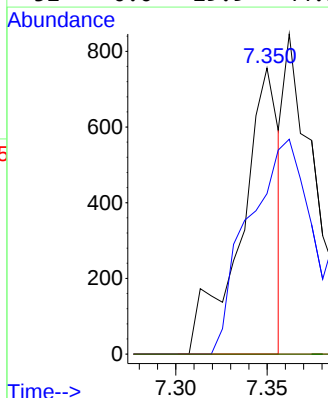
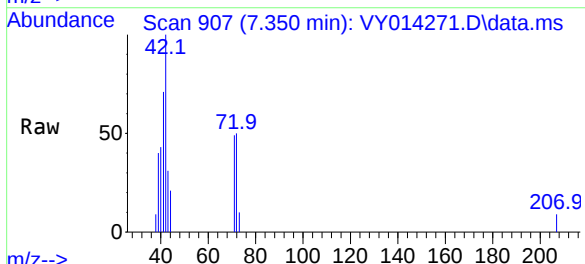
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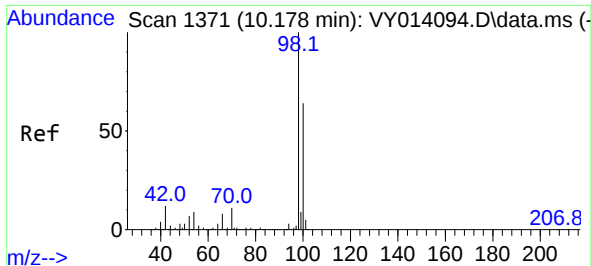
Tgt Ion:117 Resp: 17822
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.011 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

Tgt Ion: 41 Resp: 1103
Ion Ratio Lower Upper
41 100
39 136.7 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

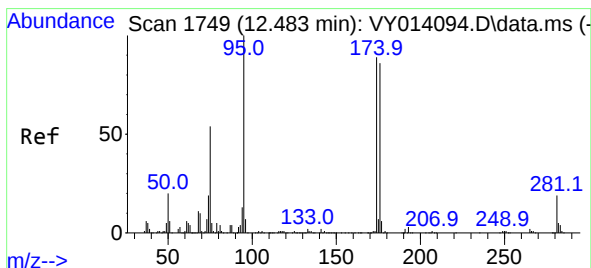
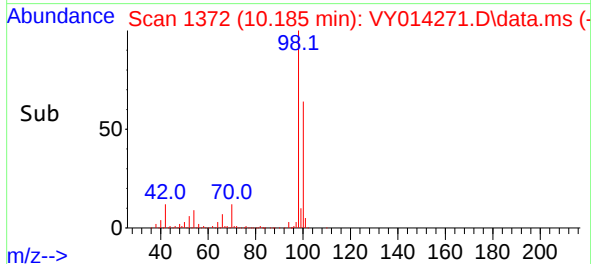
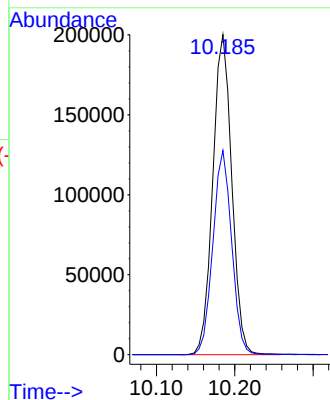
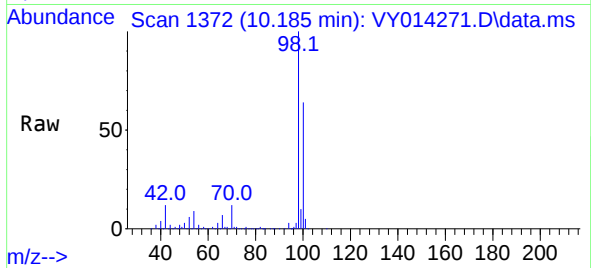




#50
Toluene-d8
Concen: 45.412 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

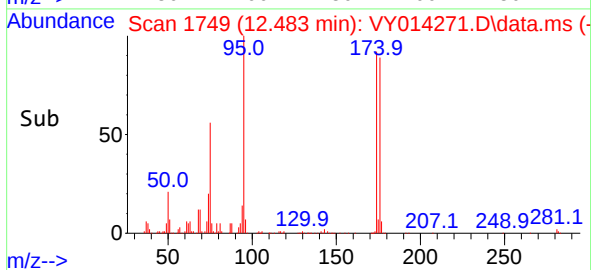
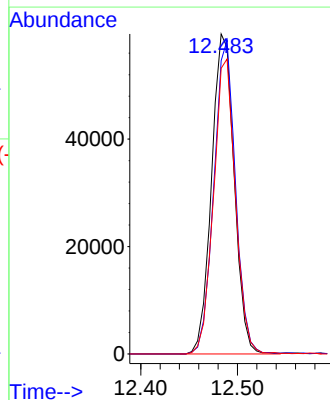
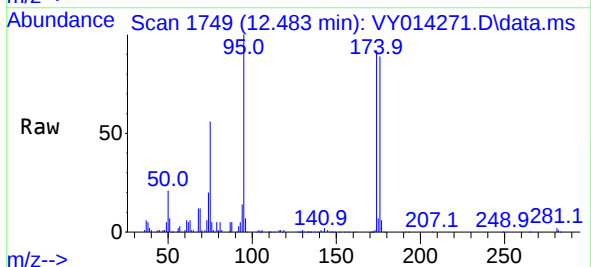
Instrument :
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ClientSampleId :
TOTAL-VOC-TW-04-GRAB-7

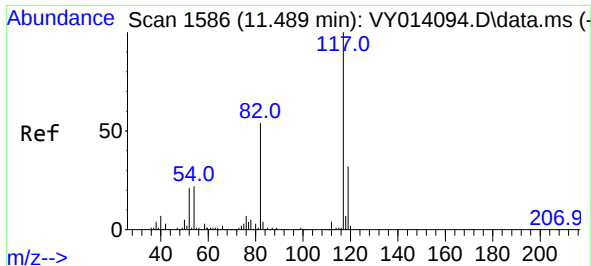
Tgt Ion: 98 Resp: 337414
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 36.524 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

Tgt Ion: 95 Resp: 96400
Ion Ratio Lower Upper
95 100
174 93.8 0.0 178.2
176 89.3 0.0 173.8

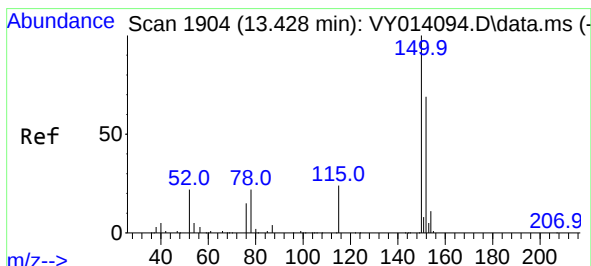
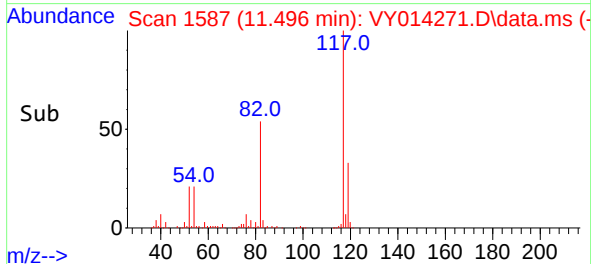
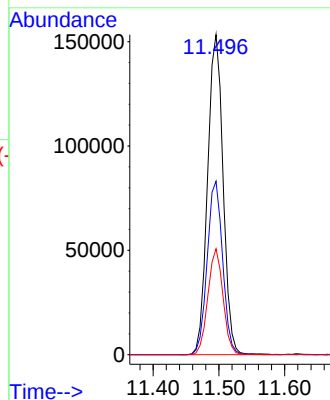
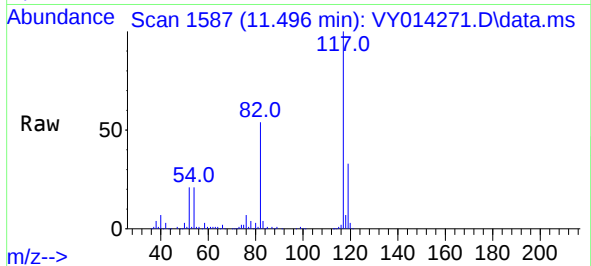




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.007 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

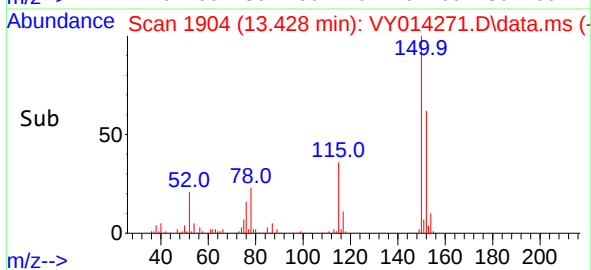
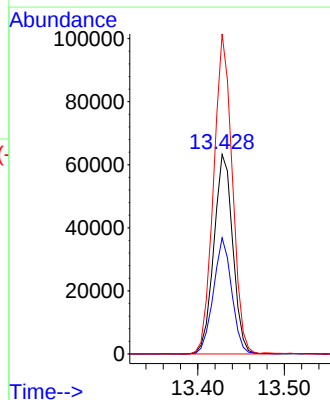
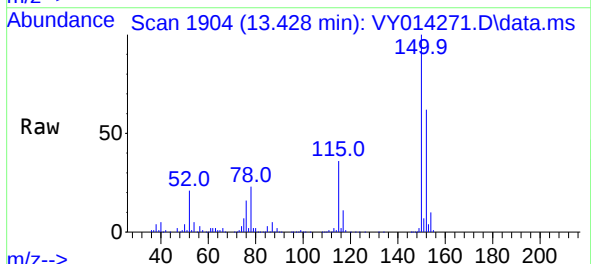
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-7

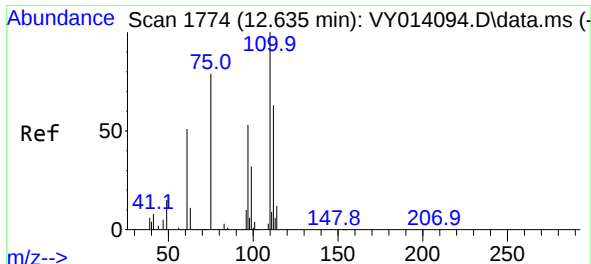
Tgt Ion:	117	Resp:	251293
Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.4	65.0
119	33.1	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

Tgt Ion:	152	Resp:	96136
Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.8	86.5
150	158.6	0.0	348.8

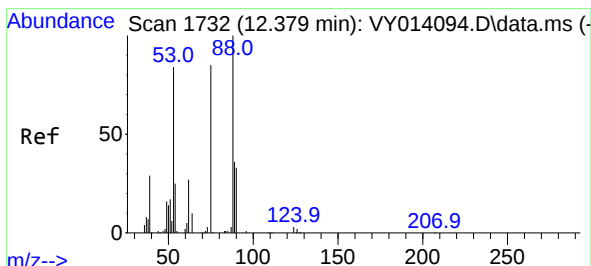
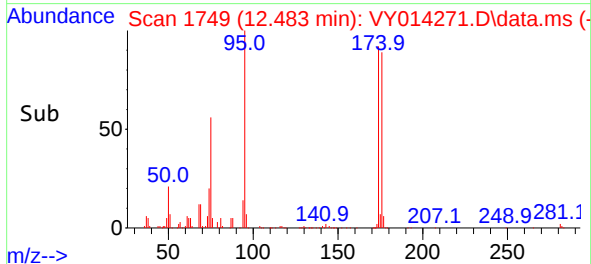
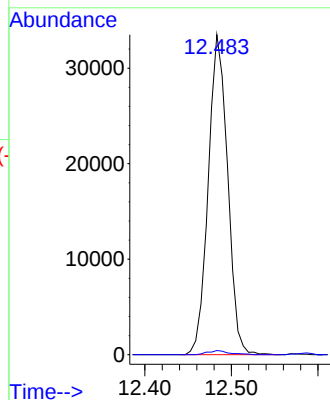
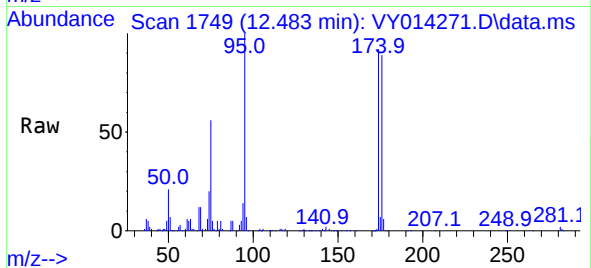




#76
1,2,3-Trichloropropane
Concen: 41.252 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-7

Tgt Ion: 75 Resp: 52030
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.170 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

Tgt Ion: 75 Resp: 52030
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#

