

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011644.D
 Acq On : 30 Nov 2022 16:26
 Operator : KP/MD
 Sample : N5806-05
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-1-GRAB

Quant Time: Dec 01 05:24:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

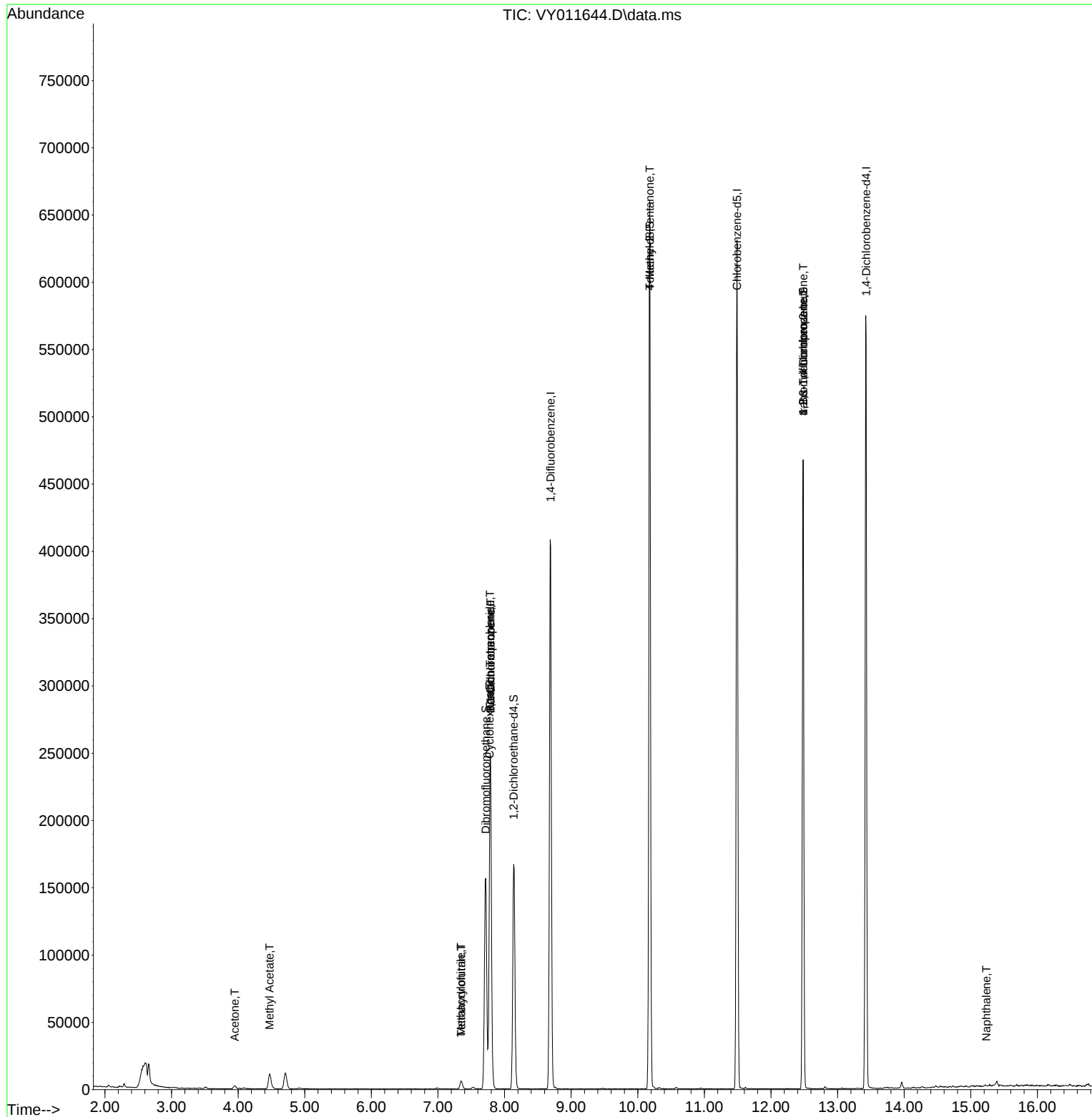
Internal Standards						
1) Pentafluorobenzene	7.789	168	193495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	349086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	332708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	133917	68.160	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.320%	
35) Dibromofluoromethane	7.716	113	113404	52.772	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.540%	
50) Toluene-d8	10.179	98	425767	54.522	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.040%	
62) 4-Bromofluorobenzene	12.483	95	137241	47.533	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	360	Below Cal		91
5) Bromomethane	2.601	94	736	Below Cal		84
11) Tert butyl alcohol	4.912	59	762	Below Cal	#	77
16) Acetone	3.948	43	3930	6.158	ug/l	96
18) Methyl Acetate	4.473	43	22094	13.169	ug/l	92
20) Methylene Chloride	4.704	84	8624	Below Cal	#	86
29) Tetrahydrofuran	7.350	42	4761	10.052	ug/l	90
31) Cyclohexane	7.777	56	4319	1.326	ug/l	# 8
36) 1,1-Dichloropropene	7.789	75	14952	4.451	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	20156	5.363	ug/l	# 14
41) Methacrylonitrile	7.344	41	2835	2.931	ug/l	# 42
51) 4-Methyl-2-Pentanone	10.179	43	1939	1.011	ug/l	# 1
76) 1,2,3-Trichloropropane	12.483	75	72805	46.113	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	72805	101.003	ug/l	# 7
95) Naphthalene	15.233	128	653	4.136	ug/l	# 69

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

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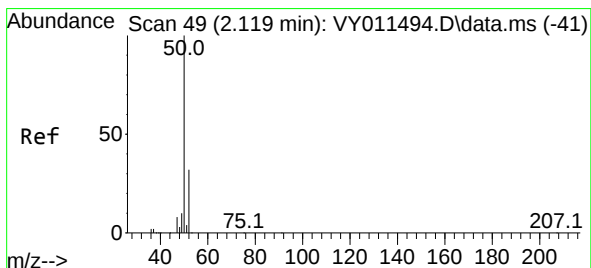
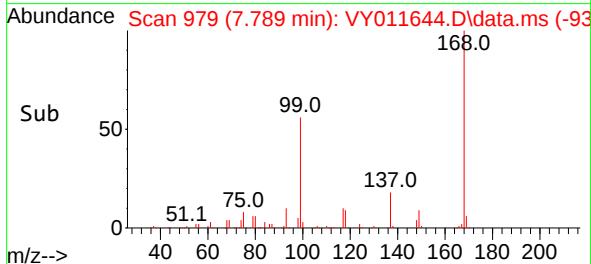
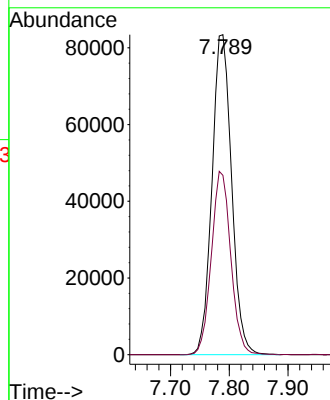
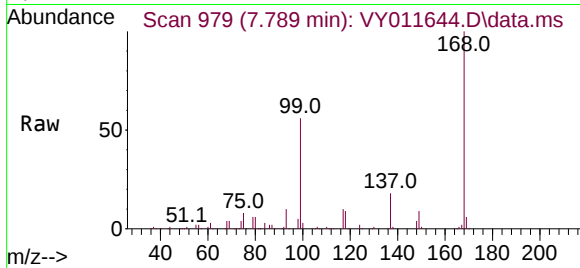




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011644.D
Acq: 30 Nov 2022 16:26

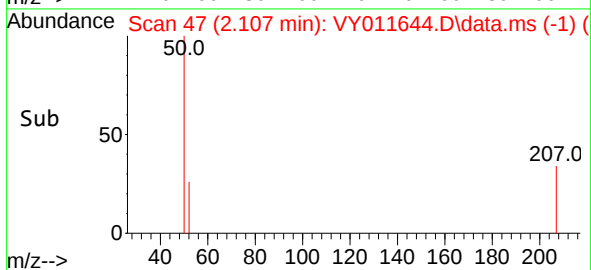
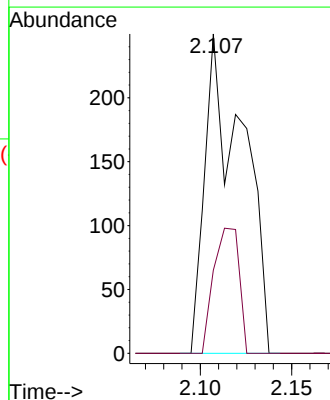
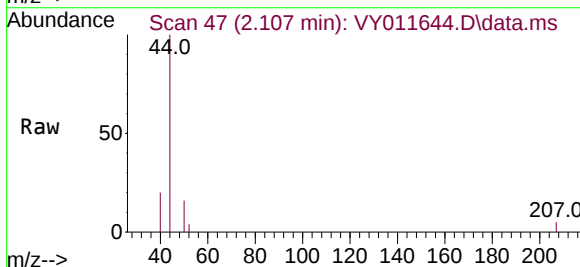
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB

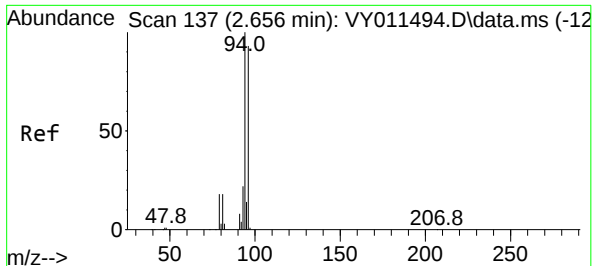
Tgt Ion:168 Resp: 193495
Ion Ratio Lower Upper
168 100
99 56.1 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.012 min
Lab File: VY011644.D
Acq: 30 Nov 2022 16:26

Tgt Ion: 50 Resp: 360
Ion Ratio Lower Upper
50 100
52 26.0 24.6 37.0

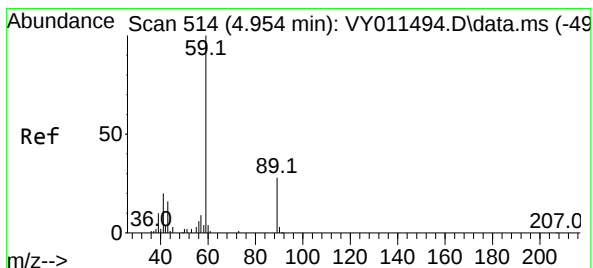
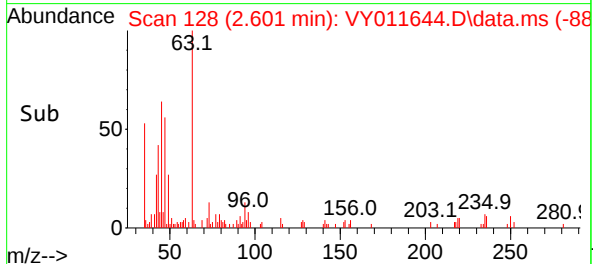
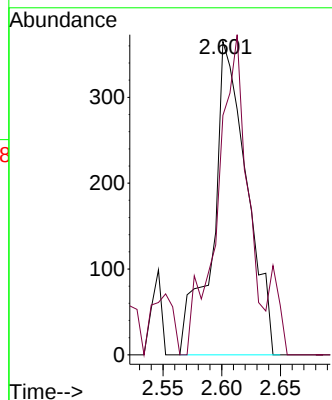
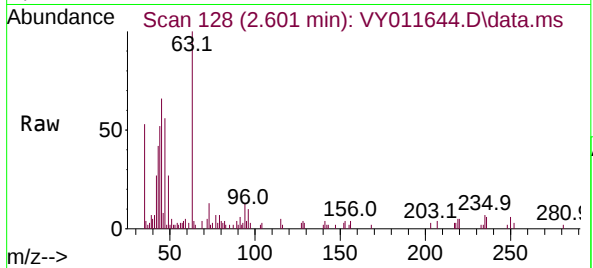




#5
Bromomethane
Concen: Below Cal
RT: 2.601 min Scan# 11
Delta R.T. -0.055 min
Lab File: VY011644.D
Acq: 30 Nov 2022 16:26

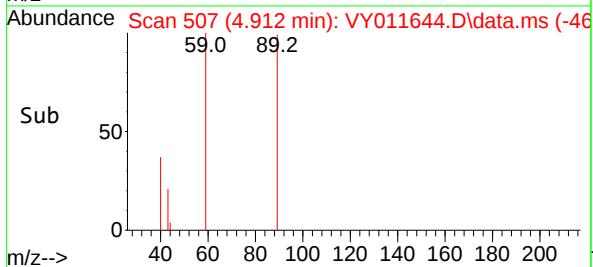
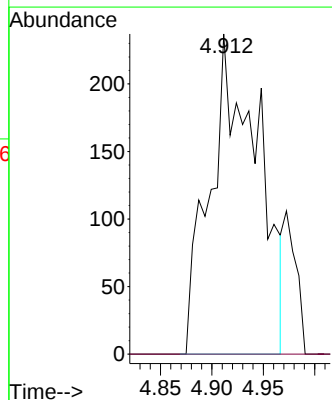
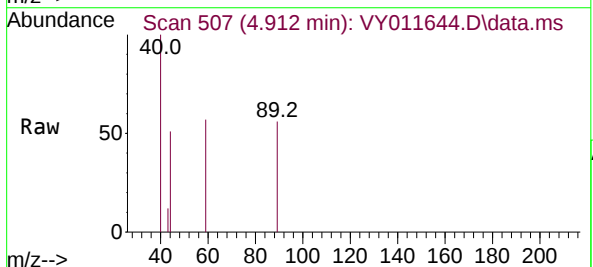
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB

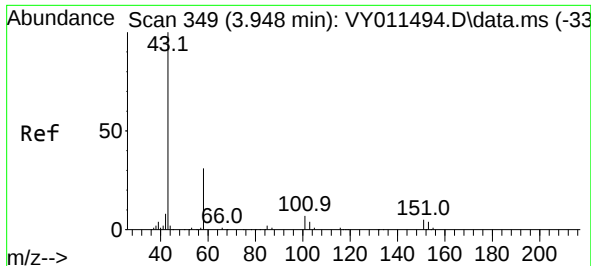
Tgt Ion: 94 Resp: 736
Ion Ratio Lower Upper
94 100
96 76.4 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.912 min Scan# 507
Delta R.T. -0.042 min
Lab File: VY011644.D
Acq: 30 Nov 2022 16:26

Tgt Ion: 59 Resp: 762
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 6.158 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY011644.D

Acq: 30 Nov 2022 16:26

Instrument :

MSVOA_Y

ClientSampleId :

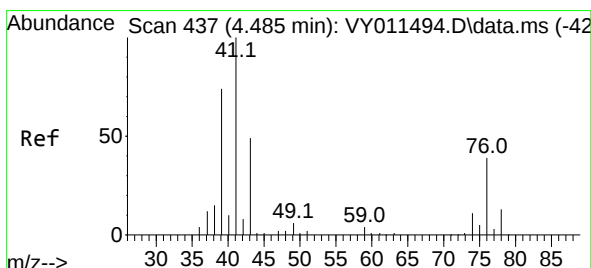
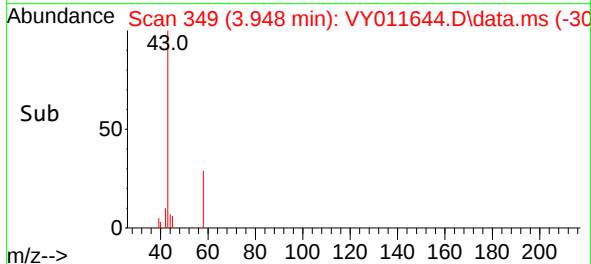
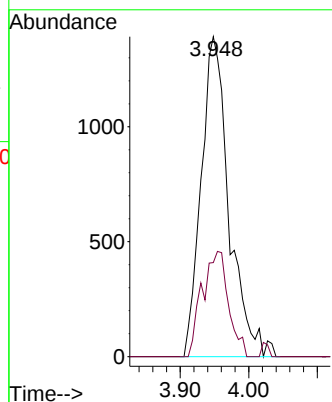
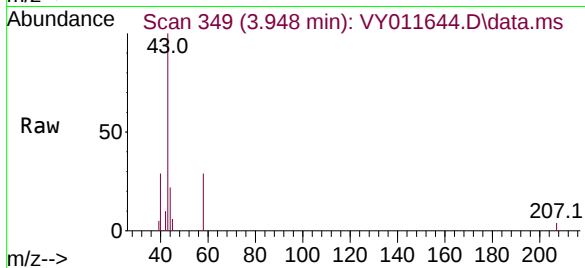
TOTAL-VOC-1-GRAB

Tgt Ion: 43 Resp: 3930

Ion Ratio Lower Upper

43 100

58 29.4 22.0 33.0



#18

Methyl Acetate

Concen: 13.169 ug/l

RT: 4.473 min Scan# 435

Delta R.T. -0.012 min

Lab File: VY011644.D

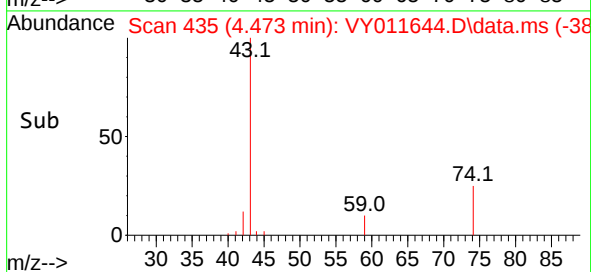
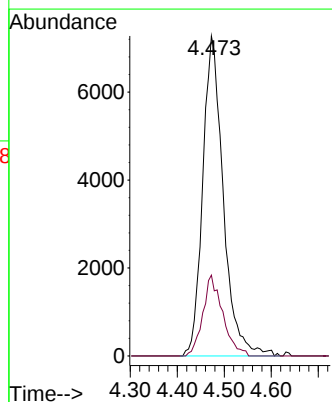
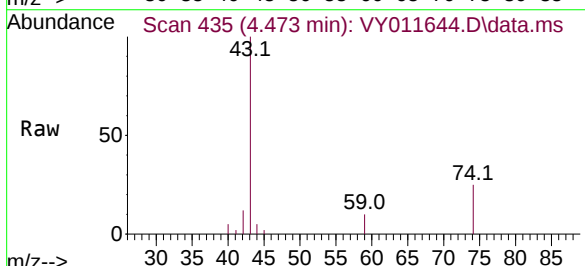
Acq: 30 Nov 2022 16:26

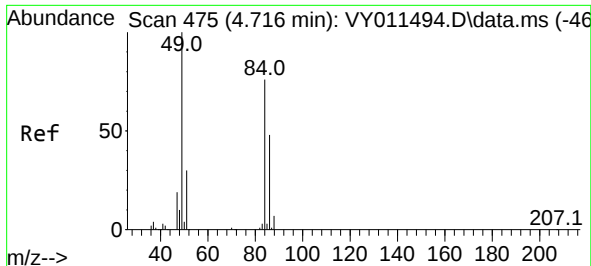
Tgt Ion: 43 Resp: 22094

Ion Ratio Lower Upper

43 100

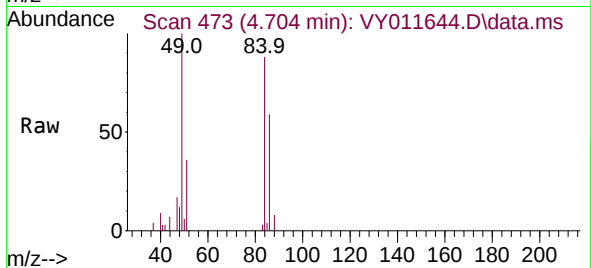
74 24.4 16.6 24.8



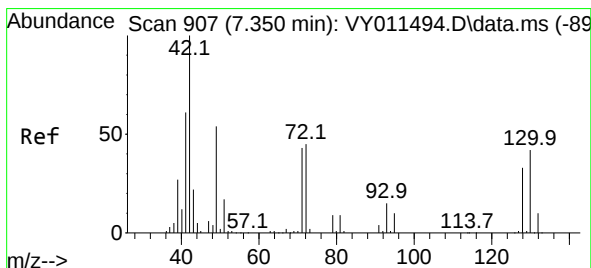
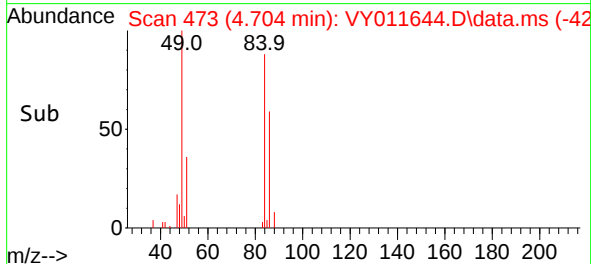
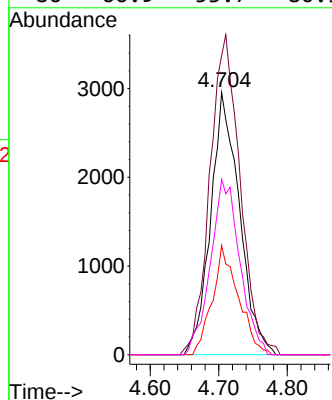


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY011644.D
Acq: 30 Nov 2022 16:26

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB

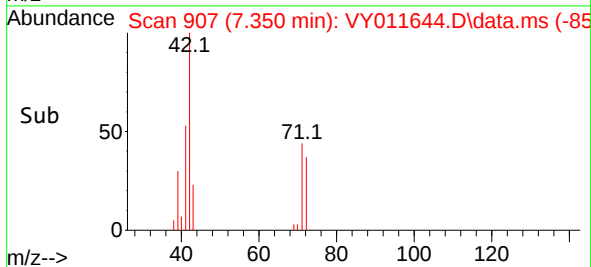
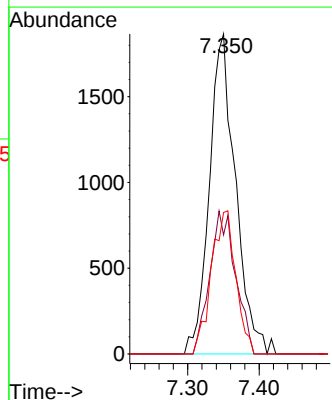
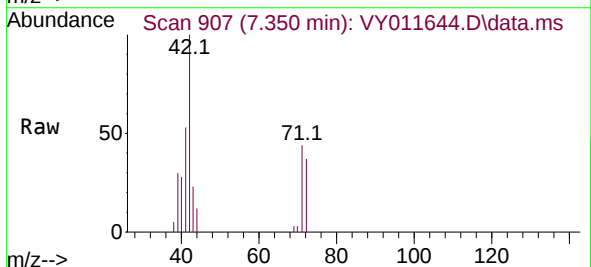


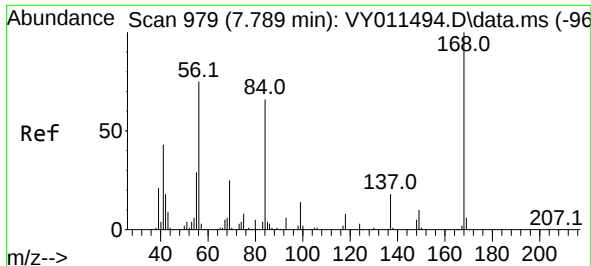
Tgt Ion: 84 Resp: 8624
Ion Ratio Lower Upper
84 100
49 114.0 114.4 171.6#
51 41.6 35.3 52.9
86 66.9 53.7 80.5



#29
Tetrahydrofuran
Concen: 10.052 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY011644.D
Acq: 30 Nov 2022 16:26

Tgt Ion: 42 Resp: 4761
Ion Ratio Lower Upper
42 100
72 43.9 30.3 45.5
71 41.6 29.0 43.4

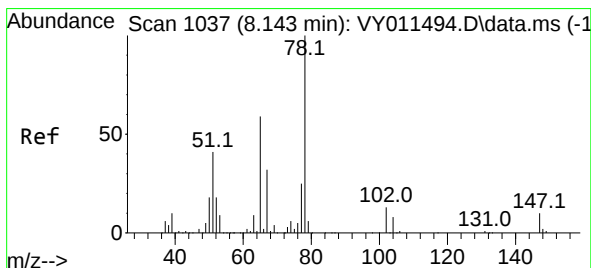
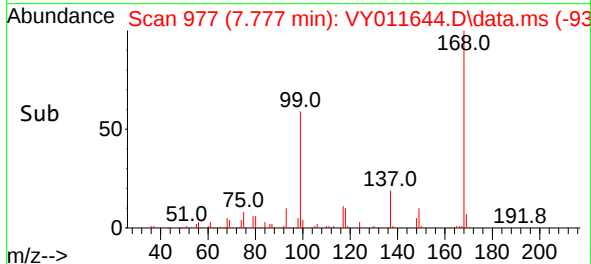
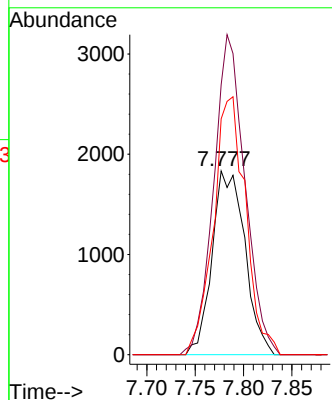
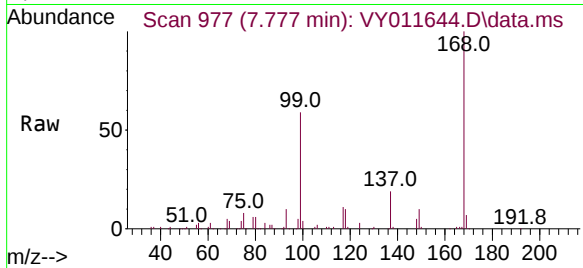




#31
Cyclohexane
Concen: 1.326 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY011644.D
Acq: 30 Nov 2022 16:26

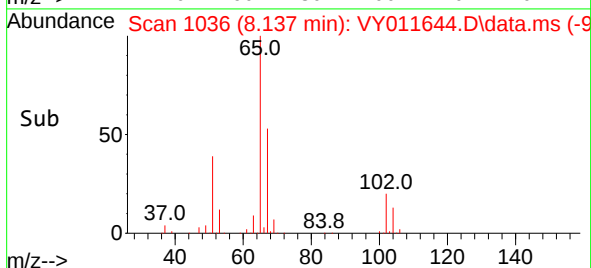
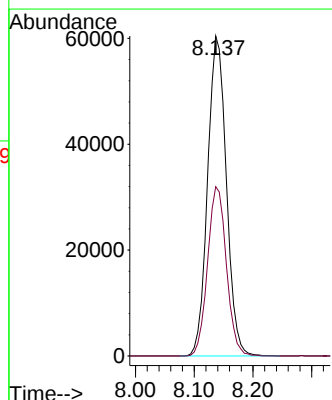
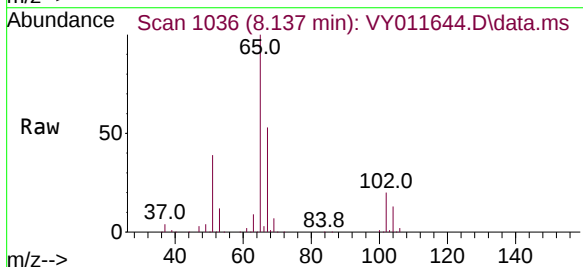
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB

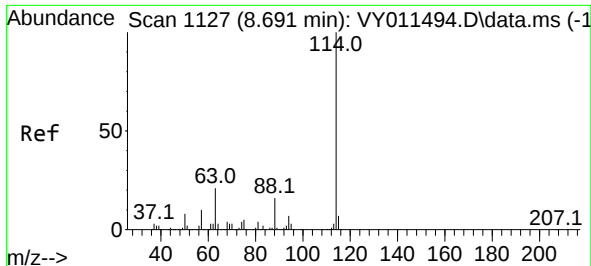
Tgt Ion: 56 Resp: 4319
Ion Ratio Lower Upper
56 100
69 147.1 26.7 40.1#
84 128.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 68.160 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY011644.D
Acq: 30 Nov 2022 16:26

Tgt Ion: 65 Resp: 133917
Ion Ratio Lower Upper
65 100
67 53.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011644.D

Acq: 30 Nov 2022 16:26

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-1-GRAB

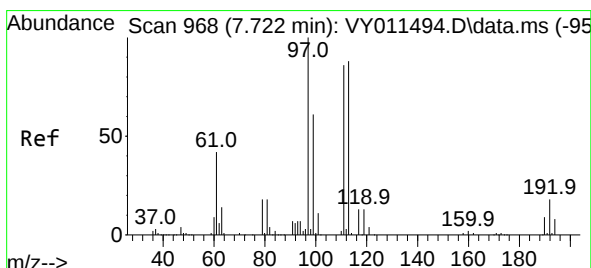
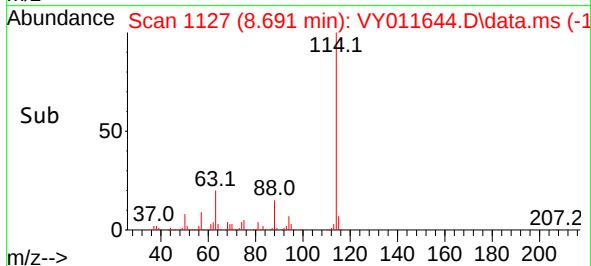
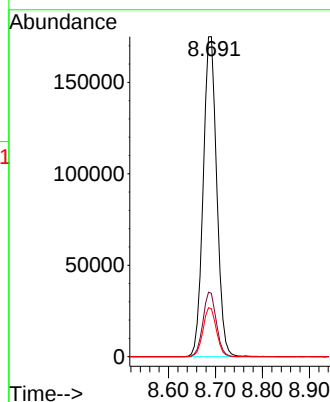
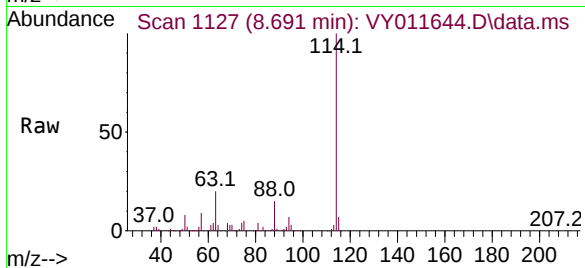
Tgt Ion:114 Resp: 349086

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.772 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY011644.D

Acq: 30 Nov 2022 16:26

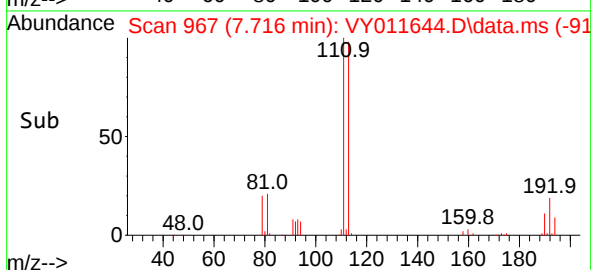
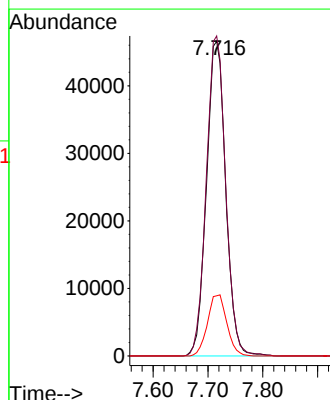
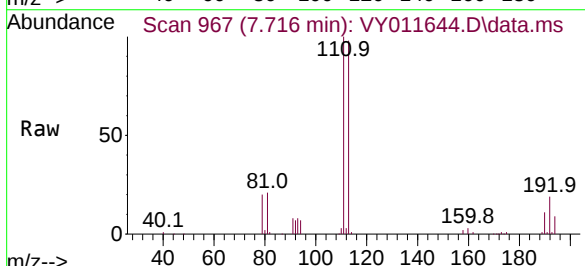
Tgt Ion:113 Resp: 113404

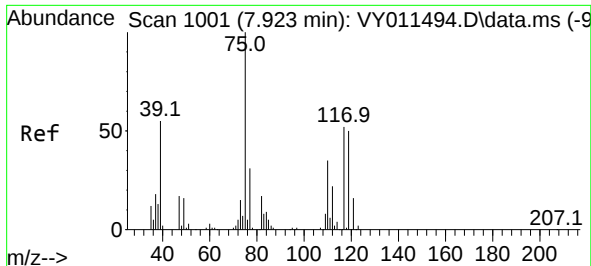
Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 19.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.451 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011644.D

Acq: 30 Nov 2022 16:26

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TOTAL-VOC-1-GRAB

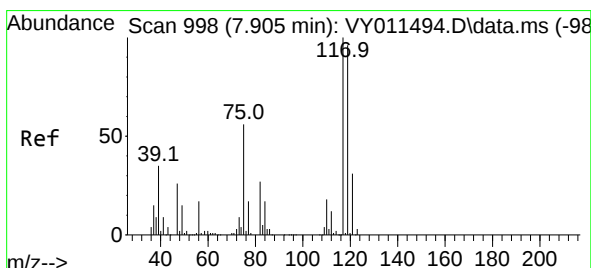
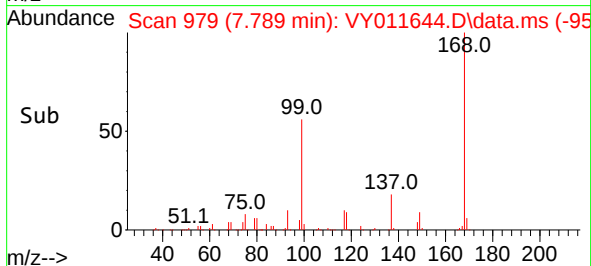
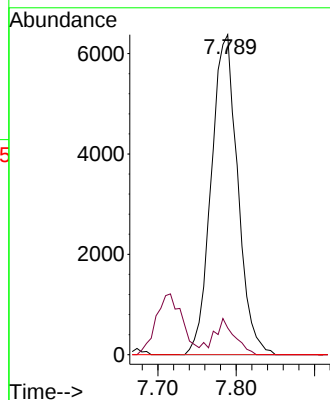
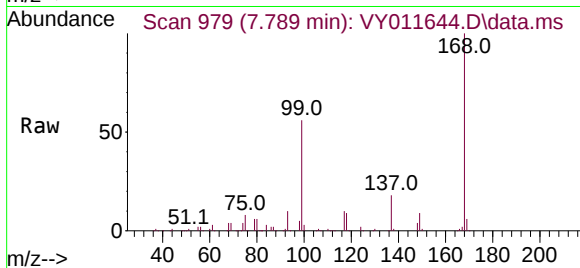
Tgt Ion: 75 Resp: 14952

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.363 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY011644.D

Acq: 30 Nov 2022 16:26

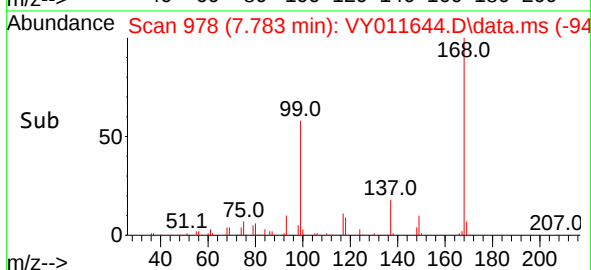
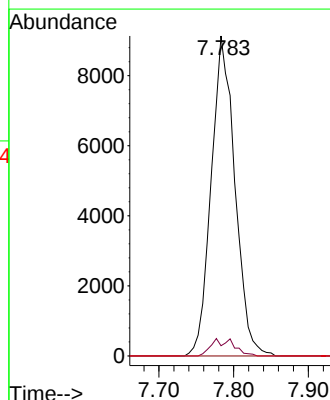
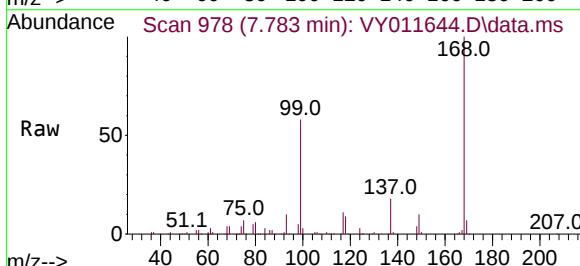
Tgt Ion: 117 Resp: 20156

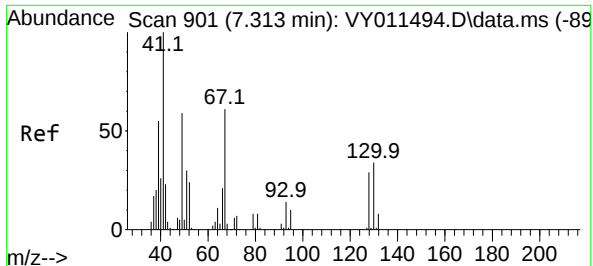
Ion Ratio Lower Upper

117 100

119 3.2 77.9 116.9#

121 0.0 24.8 37.2#

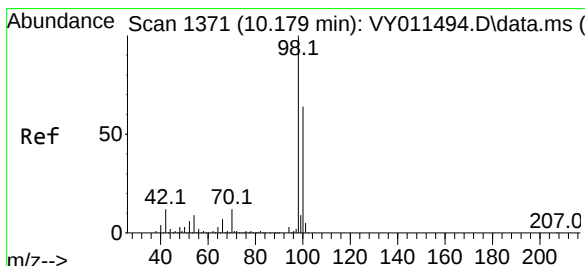
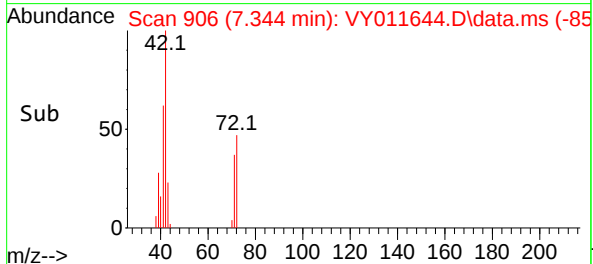
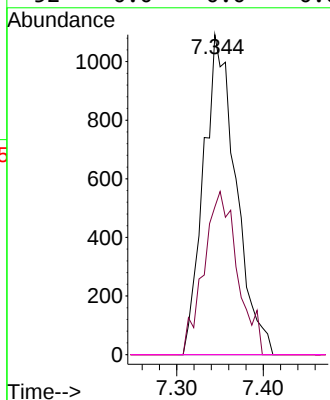
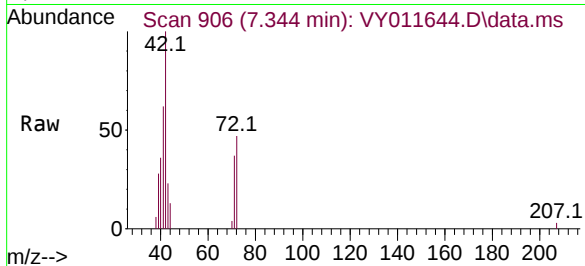




#41
Methacrylonitrile
Concen: 2.931 ug/l
RT: 7.344 min Scan# 901
Delta R.T. 0.031 min
Lab File: VY011644.D
Acq: 30 Nov 2022 16:26

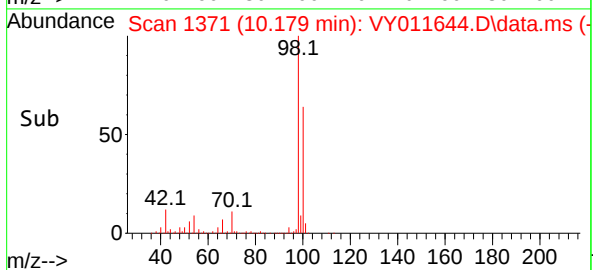
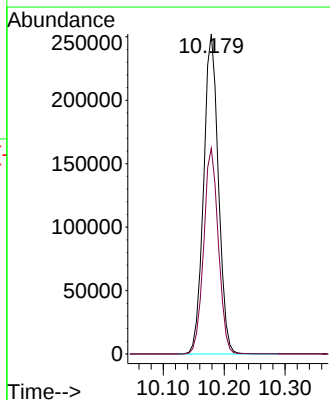
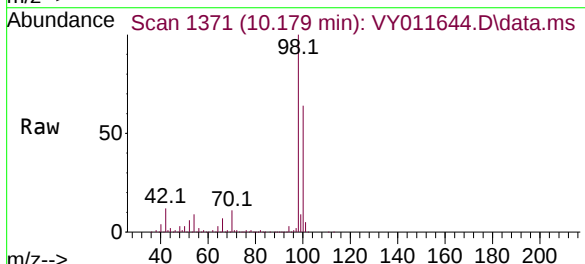
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB

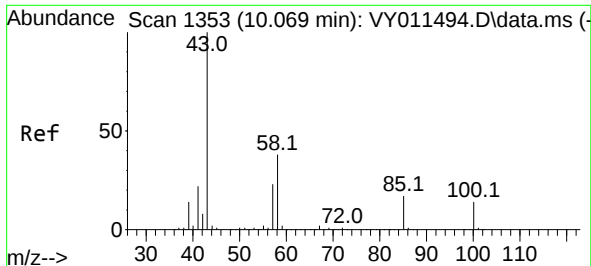
Tgt Ion: 41 Resp: 2835
Ion Ratio Lower Upper
41 100
39 53.1 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 54.522 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011644.D
Acq: 30 Nov 2022 16:26

Tgt Ion: 98 Resp: 425767
Ion Ratio Lower Upper
98 100
100 63.6 50.2 75.2

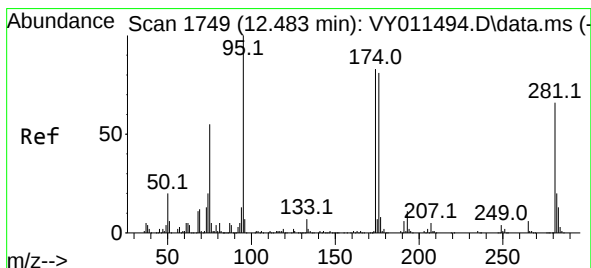
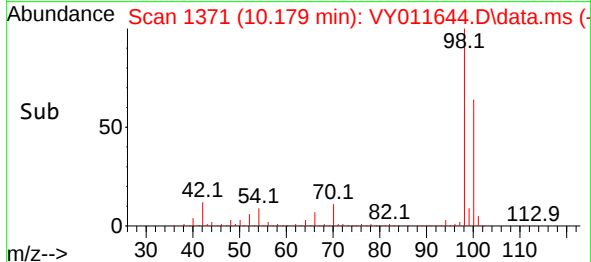
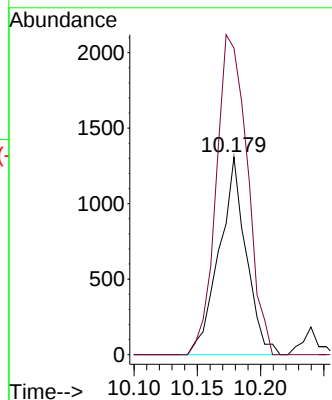
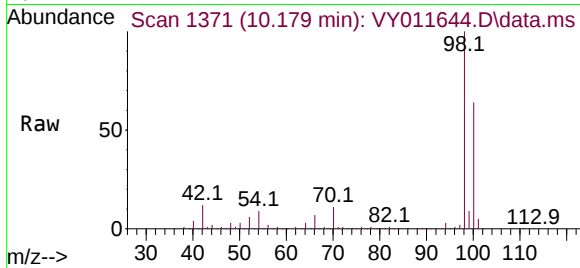




#51
4-Methyl-2-Pentanone
Concen: 1.011 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY011644.D
Acq: 30 Nov 2022 16:26

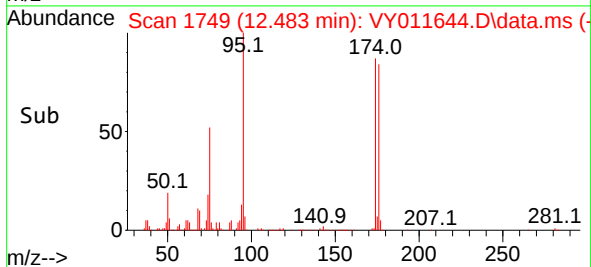
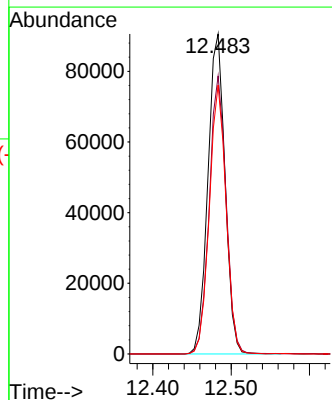
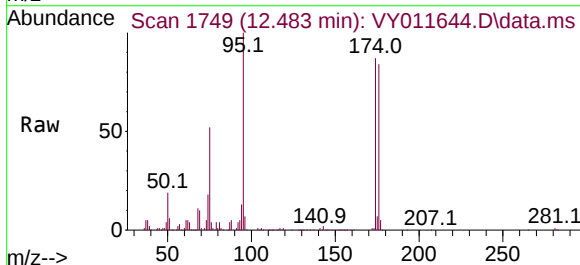
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB

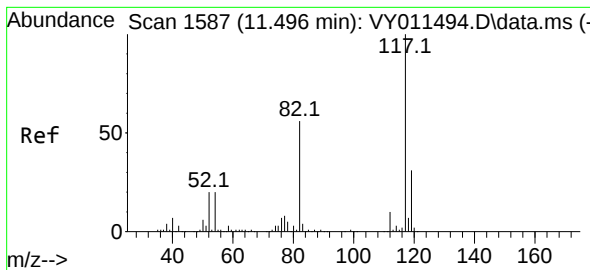
Tgt Ion: 43 Resp: 1939
Ion Ratio Lower Upper
43 100
58 186.4 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 47.533 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011644.D
Acq: 30 Nov 2022 16:26

Tgt Ion: 95 Resp: 137241
Ion Ratio Lower Upper
95 100
174 85.7 0.0 177.0
176 82.0 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY011644.D

Acq: 30 Nov 2022 16:26

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-1-GRAB

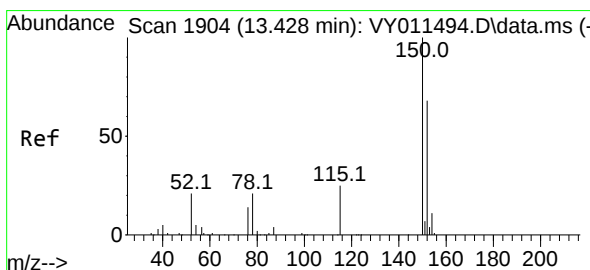
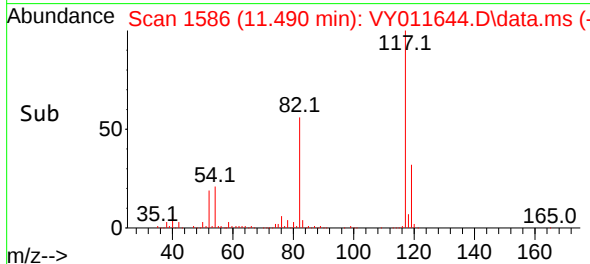
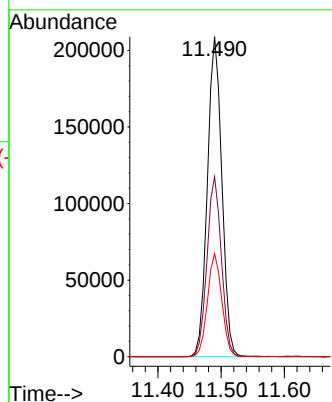
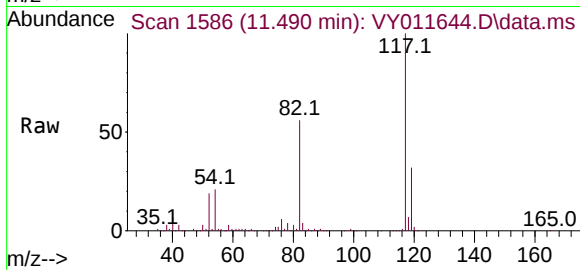
Tgt Ion:117 Resp: 332708

Ion Ratio Lower Upper

117 100

82 56.2 43.0 64.4

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY011644.D

Acq: 30 Nov 2022 16:26

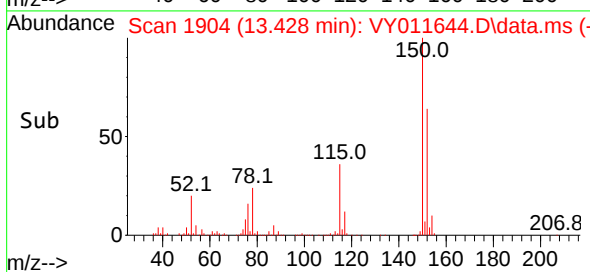
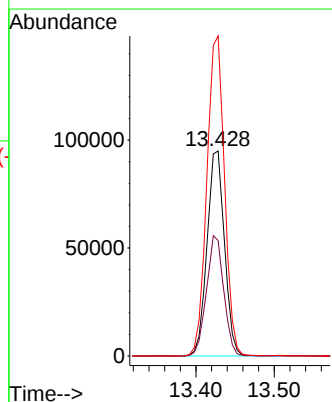
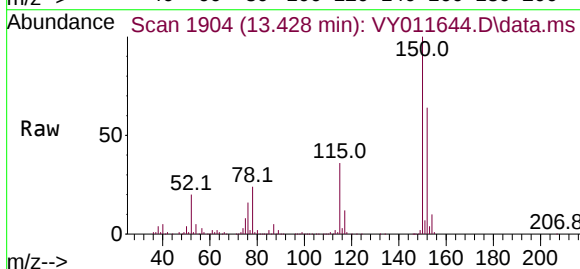
Tgt Ion:152 Resp: 146605

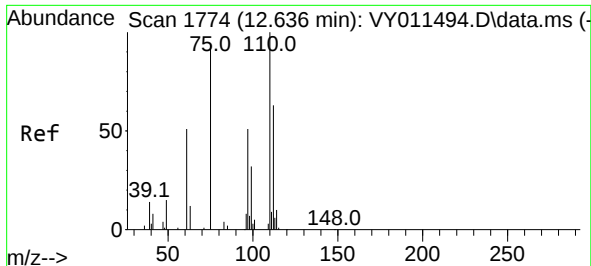
Ion Ratio Lower Upper

152 100

115 58.2 28.2 84.7

150 157.8 0.0 347.6

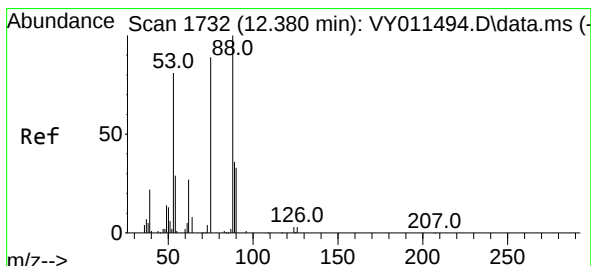
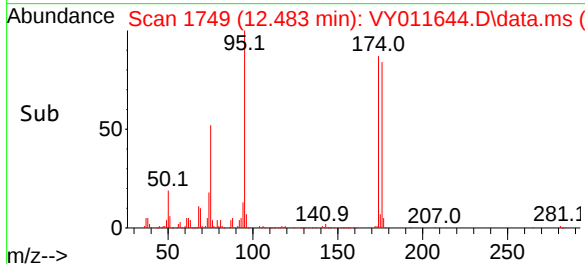
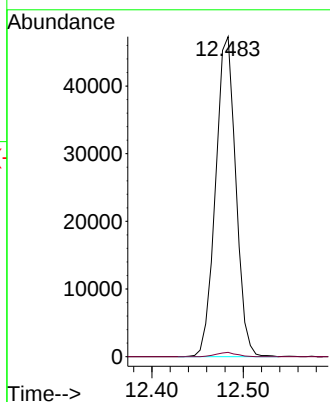
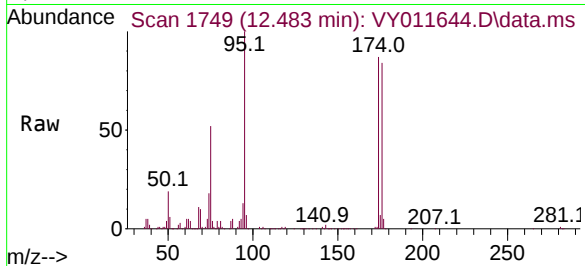




#76
1,2,3-Trichloropropane
Concen: 46.113 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011644.D
Acq: 30 Nov 2022 16:26

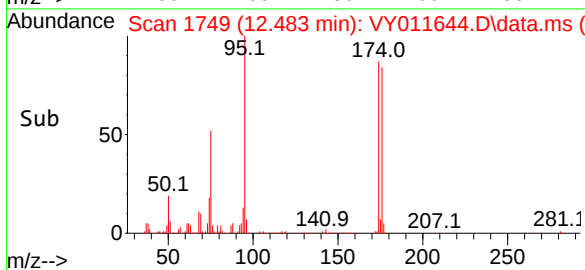
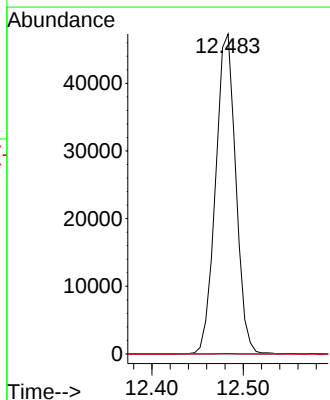
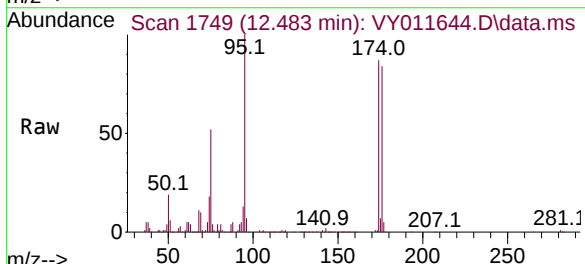
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB

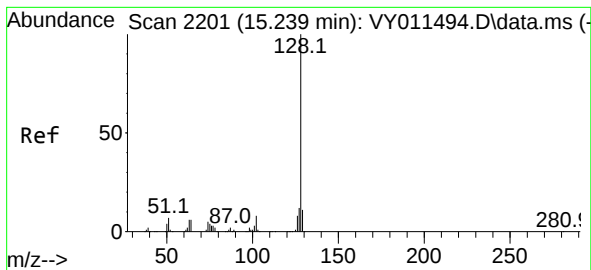
Tgt Ion: 75 Resp: 72805
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.003 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011644.D
Acq: 30 Nov 2022 16:26

Tgt Ion: 75 Resp: 72805
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.136 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY011644.D

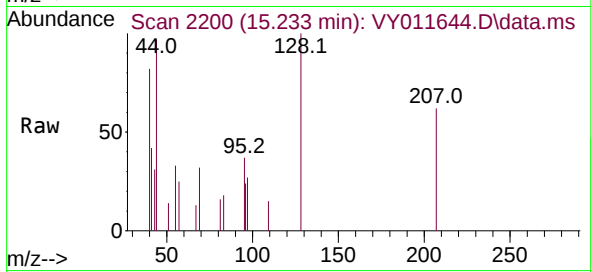
Acq: 30 Nov 2022 16:26

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-1-GRAB



Tgt Ion:128 Resp: 653

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

