

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014287.D
 Acq On : 20 Jun 2023 16:43
 Operator : KP/MD
 Sample : 03296-24
 Misc : 6.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-07-GRAB-7

Quant Time: Jun 21 02:08:39 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)

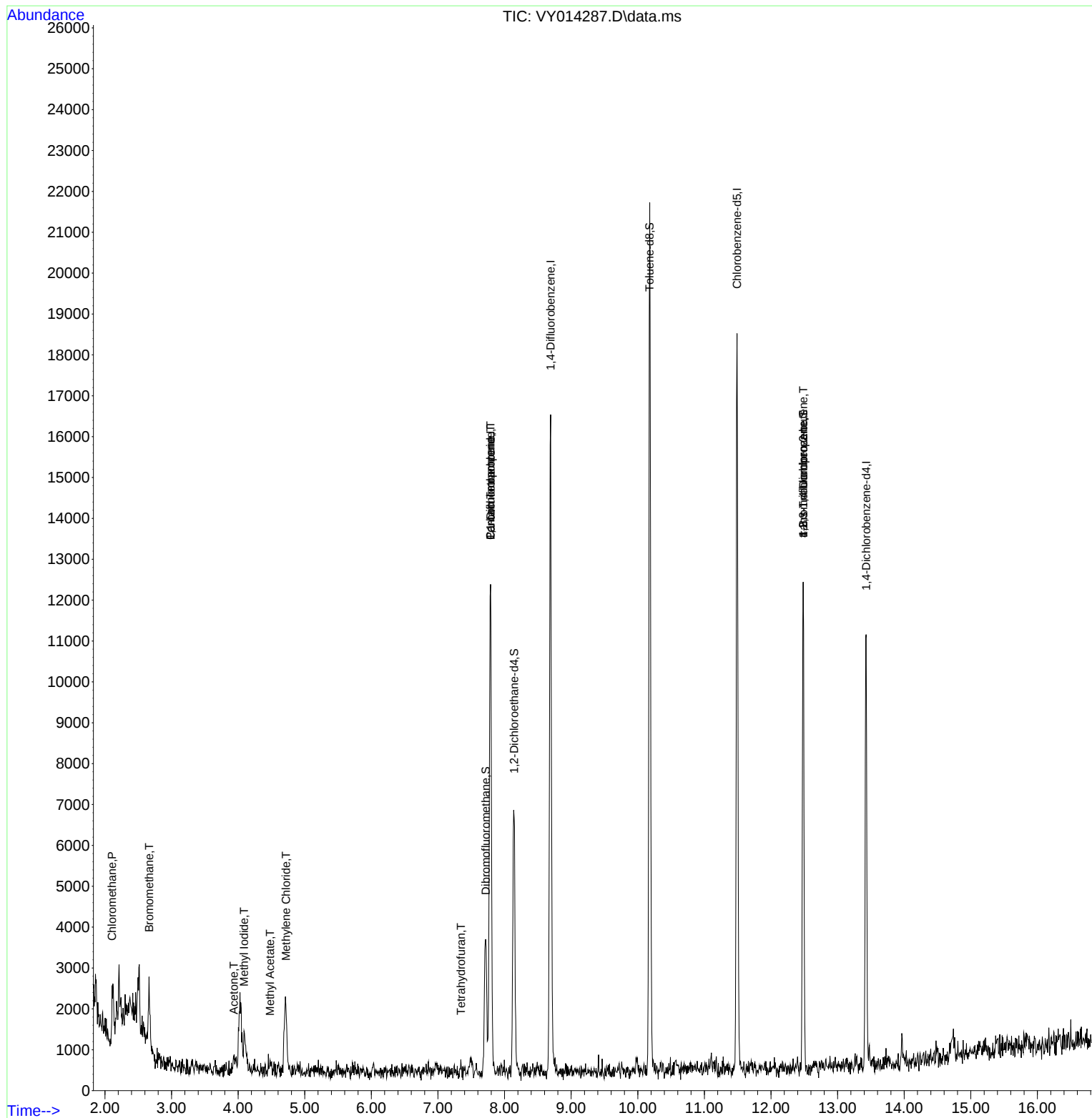
Internal Standards						
1) Pentafluorobenzene	7.789	168	9576	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	13048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	10465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	5469	41.013	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.020%		
35) Dibromofluoromethane	7.716	113	2504	27.060	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	54.120%		
50) Toluene-d8	10.179	98	14810	42.810	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.620%		
62) 4-Bromofluorobenzene	12.483	95	3542	28.823	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	57.640%		
Target Compounds						Qvalue
3) Chloromethane	2.107	50	794	5.868	ug/l	96
5) Bromomethane	2.662	94	922	8.494	ug/l	85
10) Methyl Iodide	4.088	142	1687	11.844	ug/l #	87
11) Tert butyl alcohol	4.905	59	31	Below Cal	#	89
16) Acetone	3.936	43	820	20.401	ug/l #	46
18) Methyl Acetate	4.479	43	591	3.788	ug/l #	54
20) Methylene Chloride	4.716	84	1187	6.102	ug/l #	95
29) Tetrahydrofuran	7.344	42	127	4.048	ug/l #	35
36) 1,1-Dichloropropene	7.789	75	809	5.608	ug/l #	41
38) Carbon Tetrachloride	7.789	117	1009	6.061	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	2194	52.472	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2194	113.424	ug/l #	10

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

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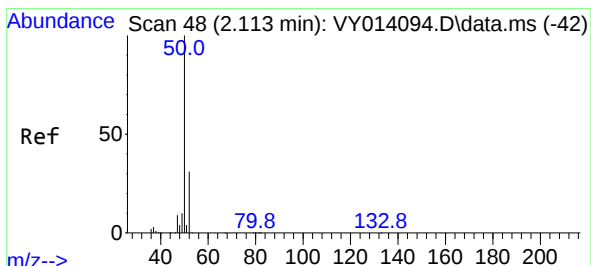
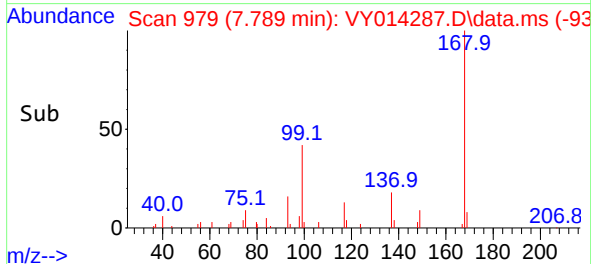
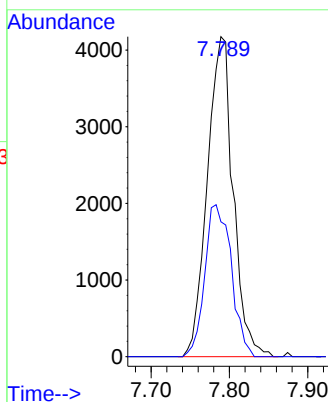
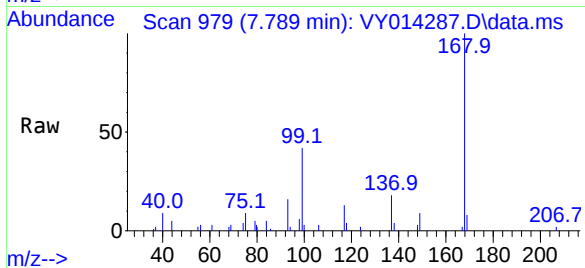




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

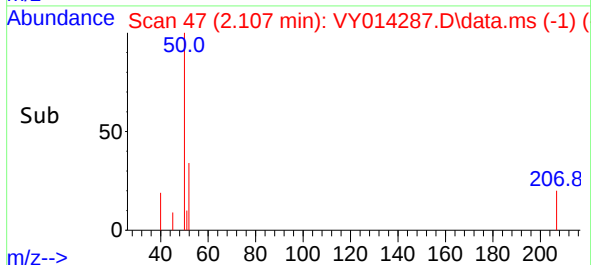
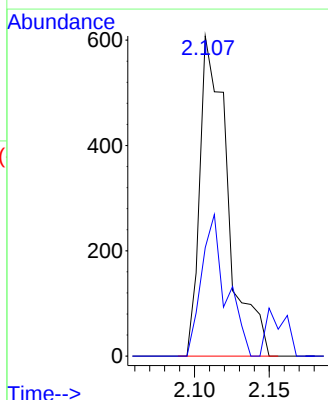
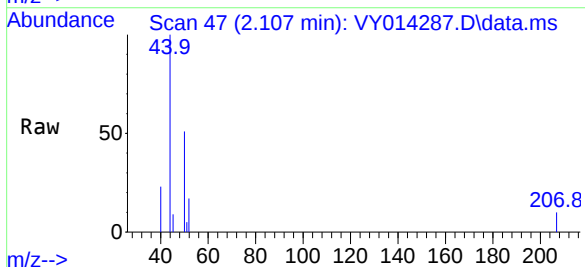
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

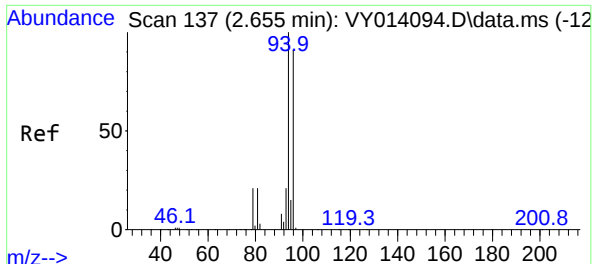
Tgt Ion:168 Resp: 9576
Ion Ratio Lower Upper
168 100
99 42.1 43.4 65.0#



#3
Chloromethane
Concen: 5.868 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

Tgt Ion: 50 Resp: 794
Ion Ratio Lower Upper
50 100
52 33.9 25.4 38.2

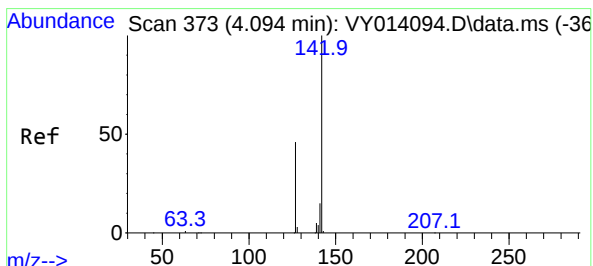
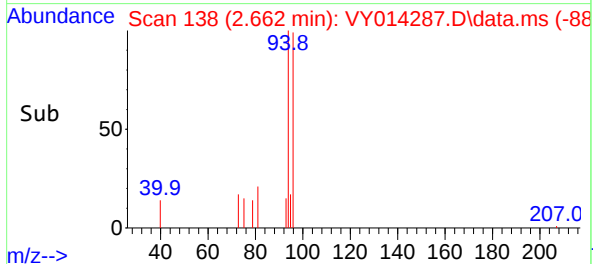
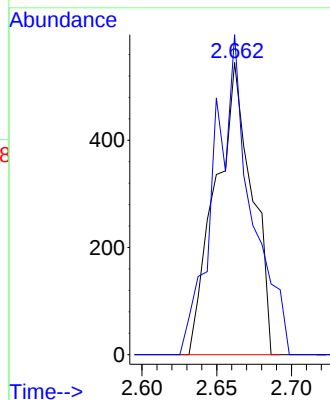
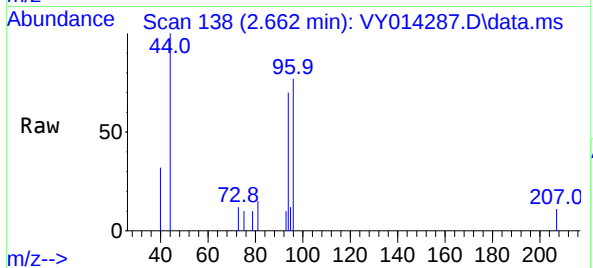




#5
Bromomethane
Concen: 8.494 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

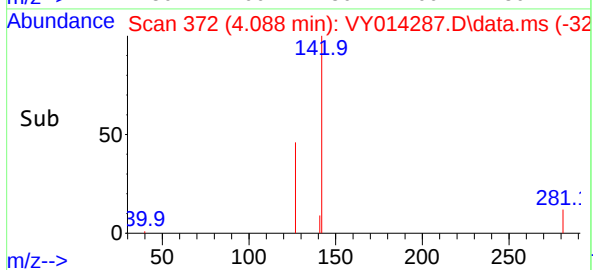
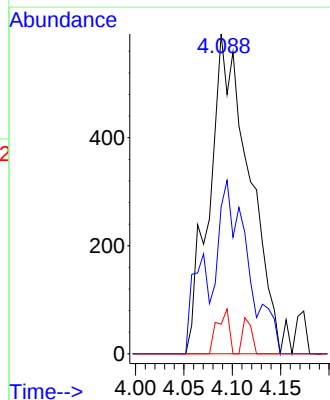
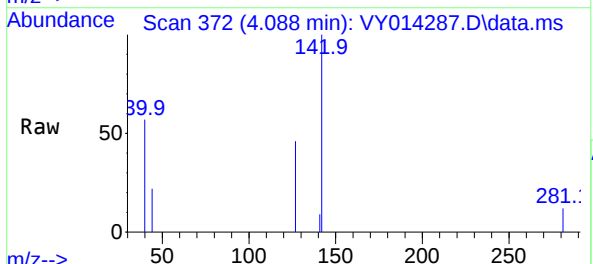
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

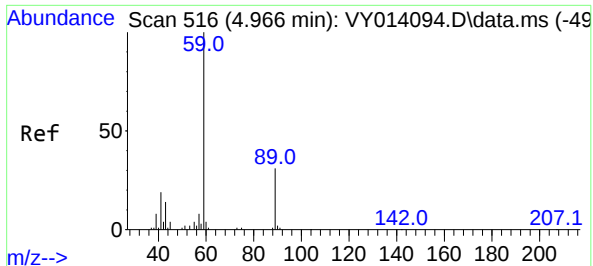
Tgt Ion: 94 Resp: 922
Ion Ratio Lower Upper
94 100
96 109.5 75.8 113.6



#10
Methyl Iodide
Concen: 11.844 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.006 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

Tgt Ion:142 Resp: 1687
Ion Ratio Lower Upper
142 100
127 40.7 37.6 56.4
141 4.3 11.8 17.8#

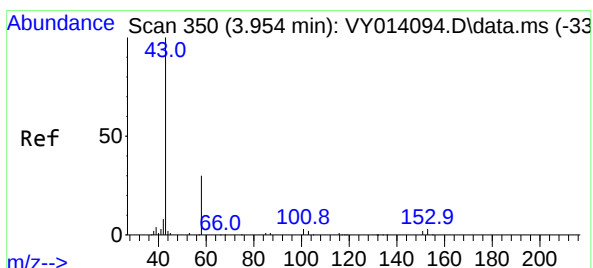
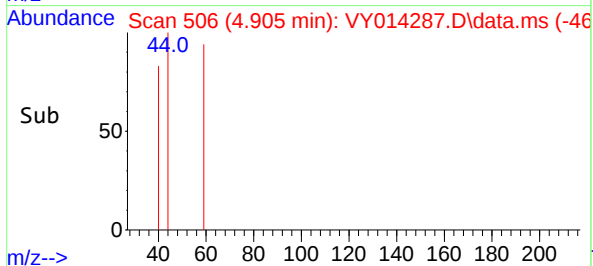
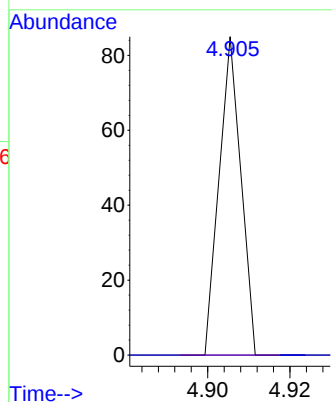
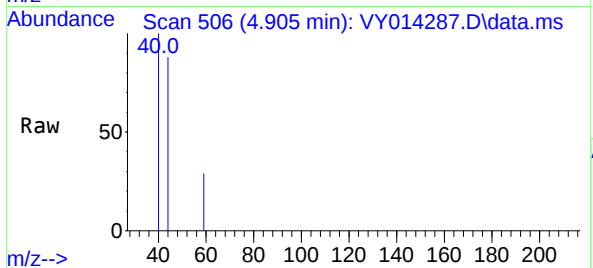




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.905 min Scan# 506
Delta R.T. -0.061 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

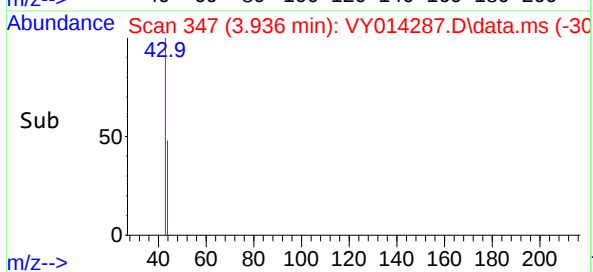
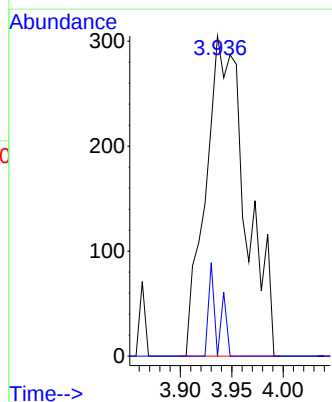
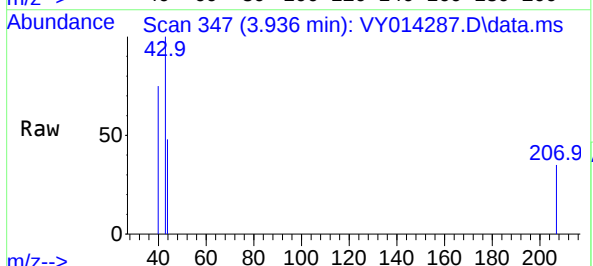
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-TW-07-GRAB-7

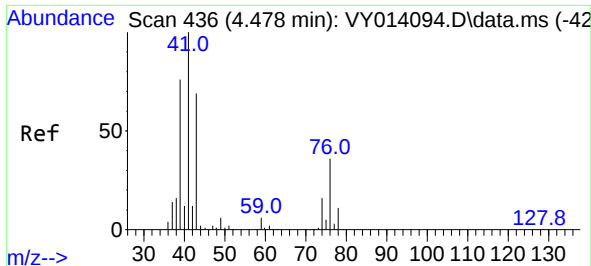
Tgt Ion: 59 Resp: 31
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 20.401 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.018 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

Tgt Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#

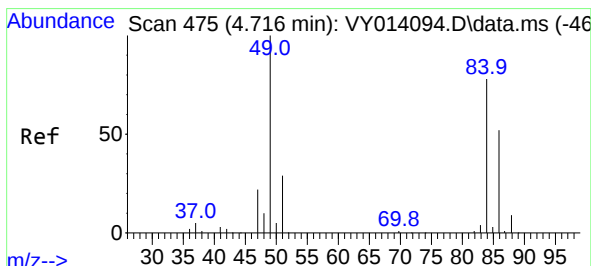
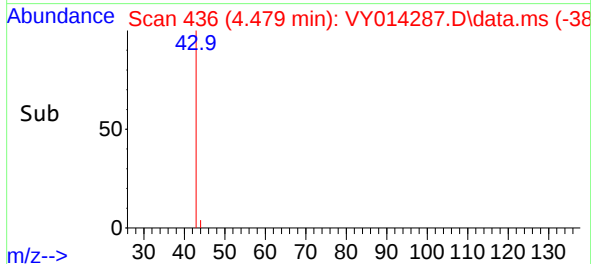
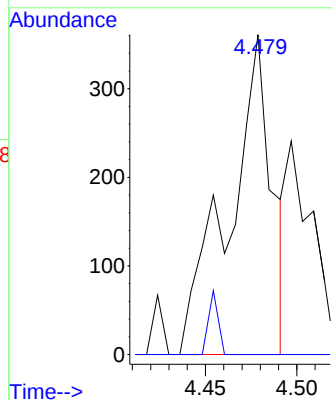
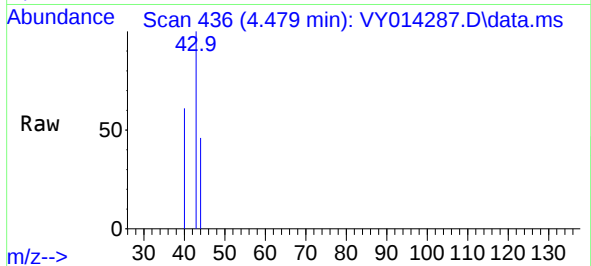




#18
Methyl Acetate
Concen: 3.788 ug/l
RT: 4.479 min Scan# 41
Delta R.T. 0.001 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

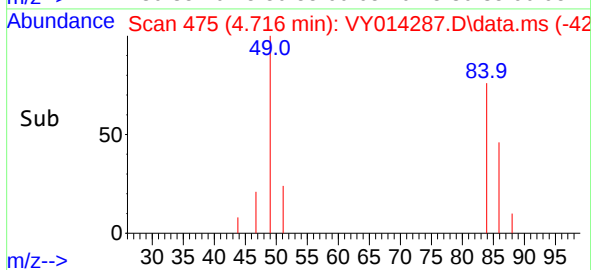
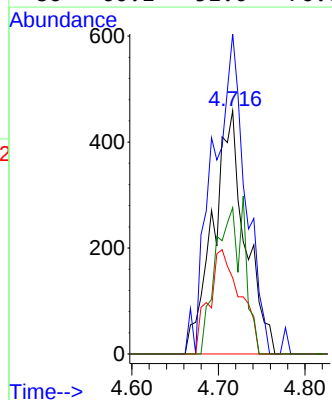
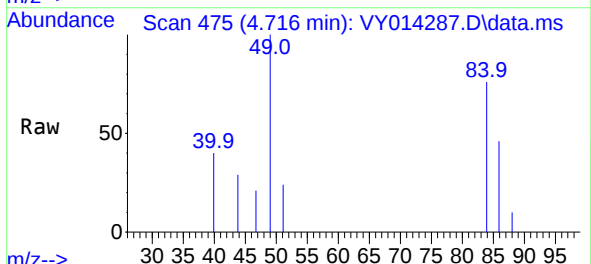
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

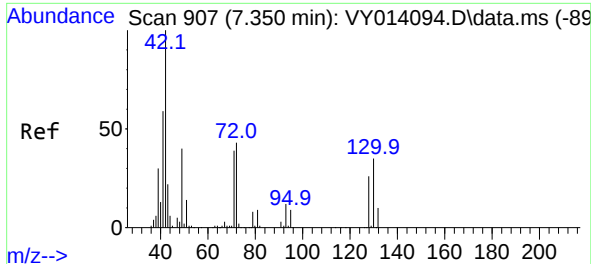
Tgt Ion: 43 Resp: 591
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#20
Methylene Chloride
Concen: 6.102 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

Tgt Ion: 84 Resp: 1187
Ion Ratio Lower Upper
84 100
49 131.6 106.9 160.3
51 31.4 33.2 49.8#
86 60.1 51.0 76.6





#29

Tetrahydrofuran

Concen: 4.048 ug/l

RT: 7.344 min Scan# 907

Delta R.T. -0.006 min

Lab File: VY014287.D

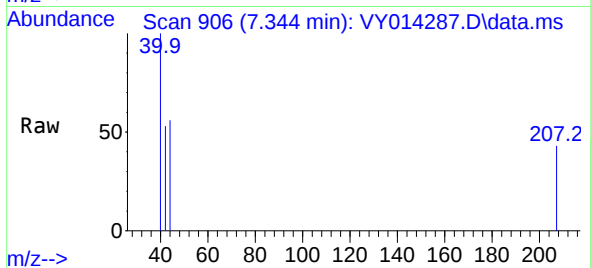
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Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-07-GRAB-7



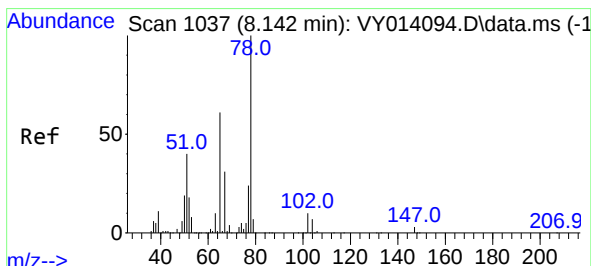
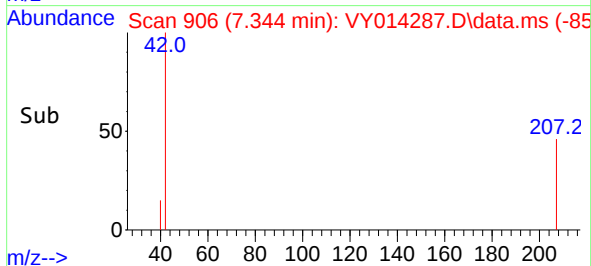
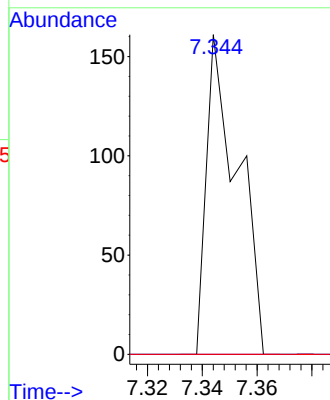
Tgt Ion: 42 Resp: 127

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 31.0 46.4#



#33

1,2-Dichloroethane-d4

Concen: 41.013 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY014287.D

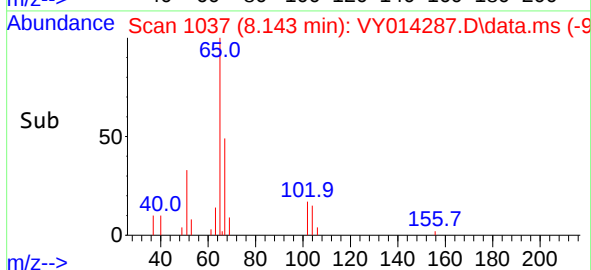
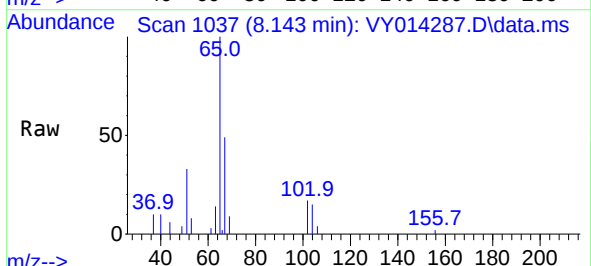
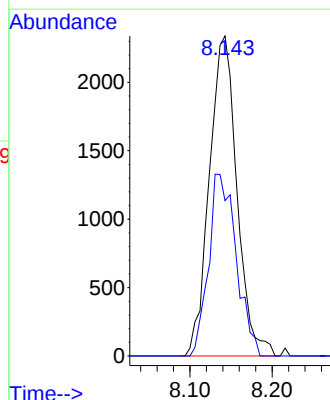
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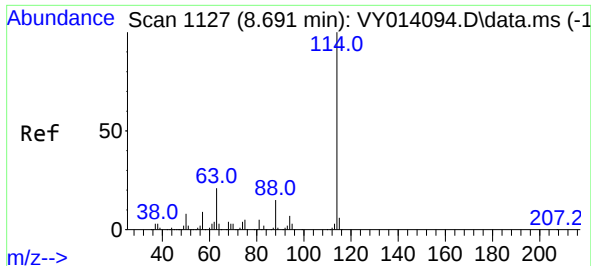
Tgt Ion: 65 Resp: 5469

Ion Ratio Lower Upper

65 100

67 56.6 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: VY014287.D

Acq: 20 Jun 2023 16:43

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-07-GRAB-7

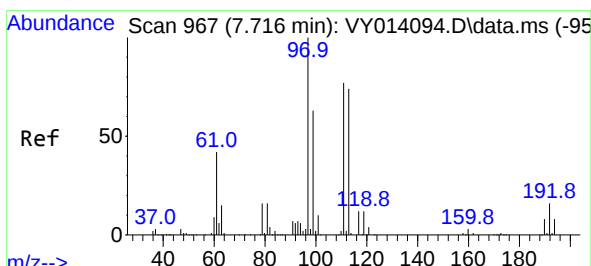
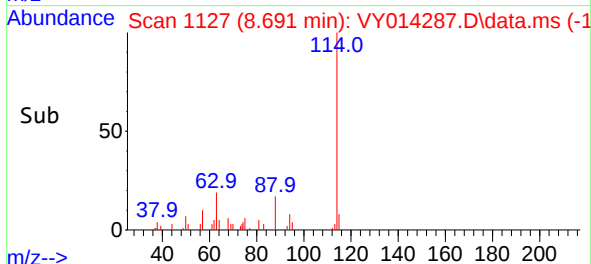
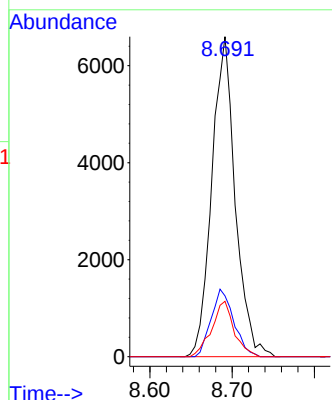
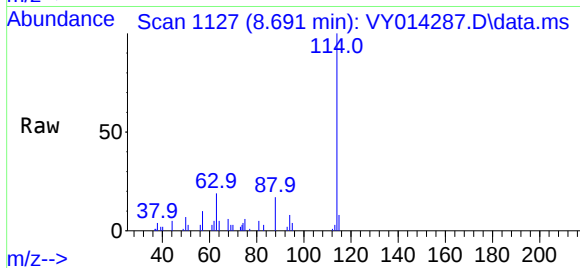
Tgt Ion:114 Resp: 13048

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 17.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 27.060 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014287.D

Acq: 20 Jun 2023 16:43

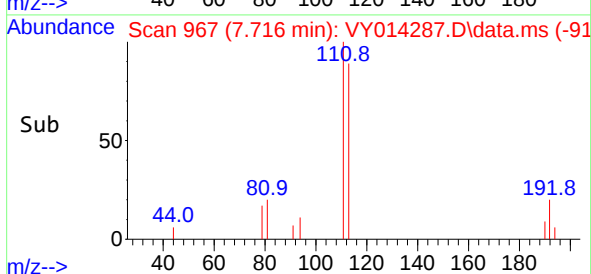
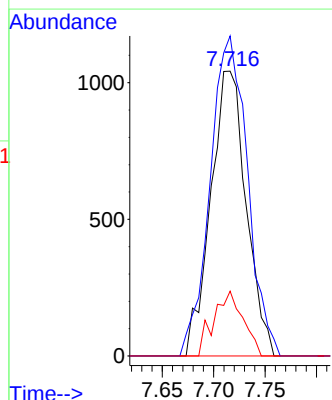
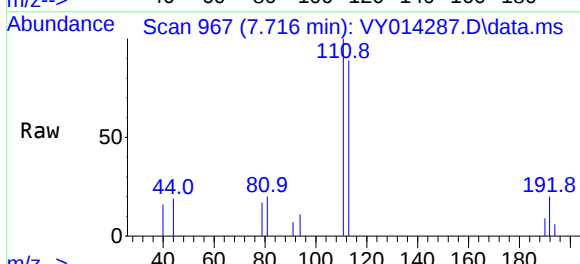
Tgt Ion:113 Resp: 2504

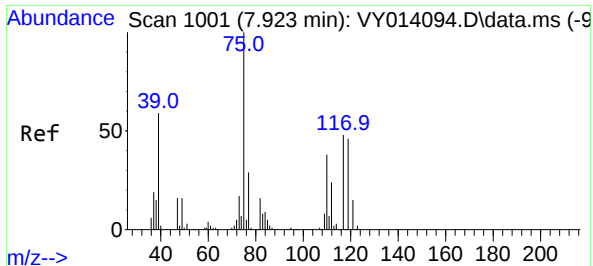
Ion Ratio Lower Upper

113 100

111 118.0 81.3 121.9

192 18.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.608 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY014287.D

Acq: 20 Jun 2023 16:43

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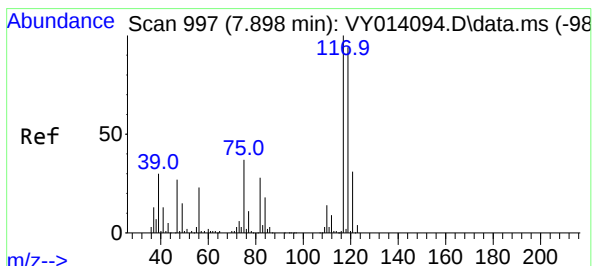
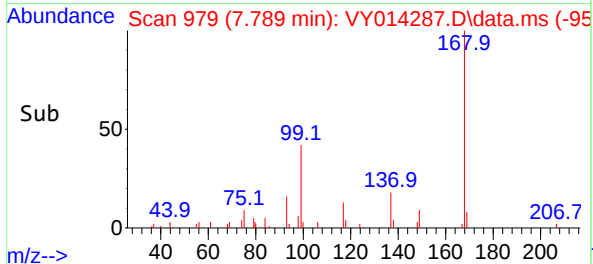
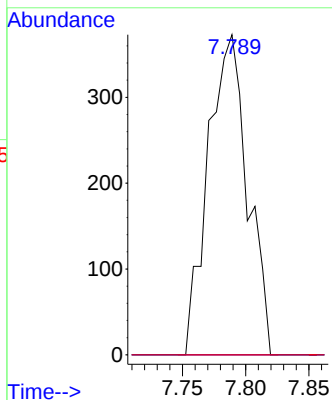
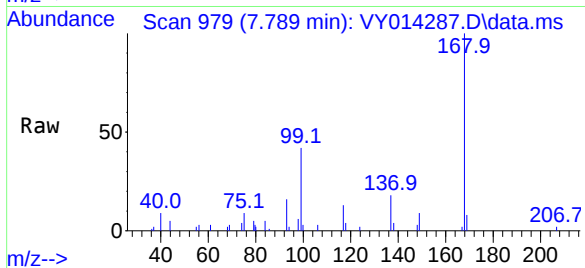
Tgt Ion: 75 Resp: 809

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.061 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY014287.D

Acq: 20 Jun 2023 16:43

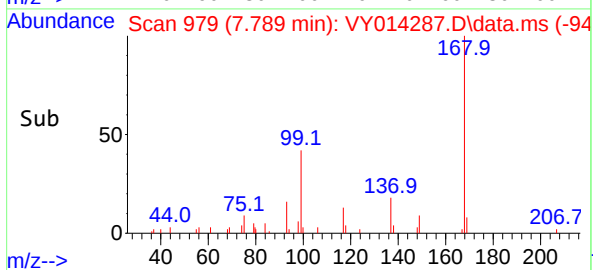
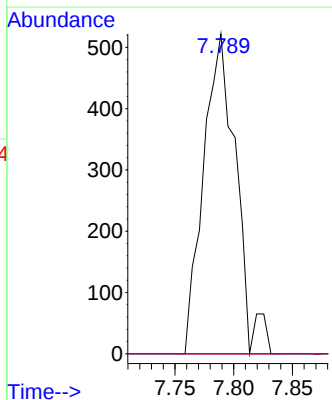
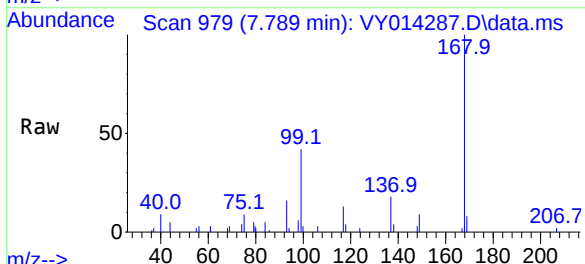
Tgt Ion: 117 Resp: 1009

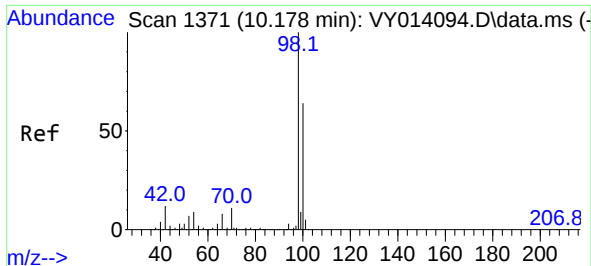
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#

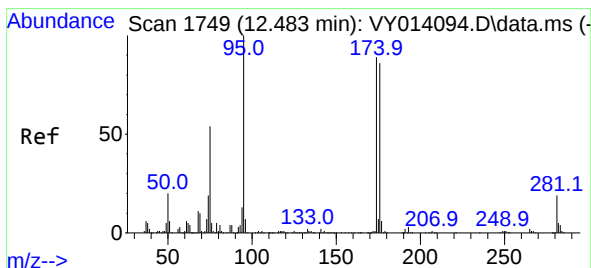
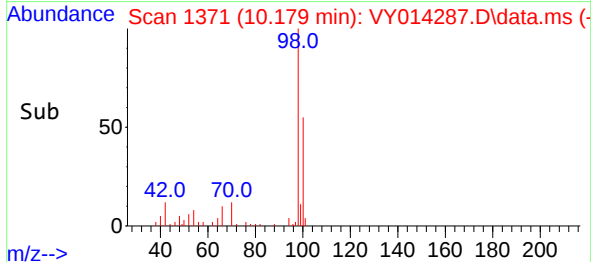
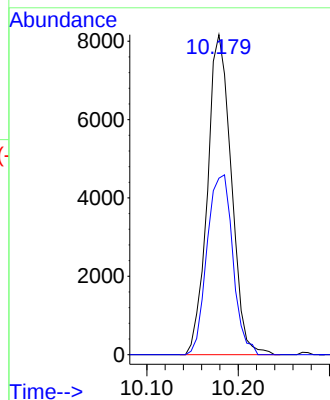
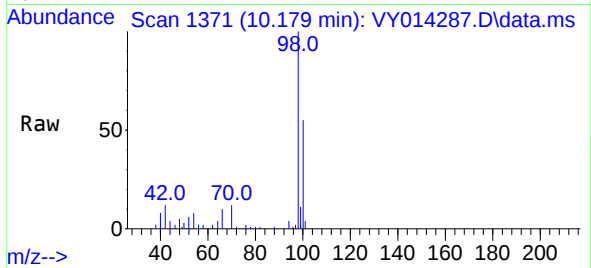




#50
Toluene-d8
Concen: 42.810 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

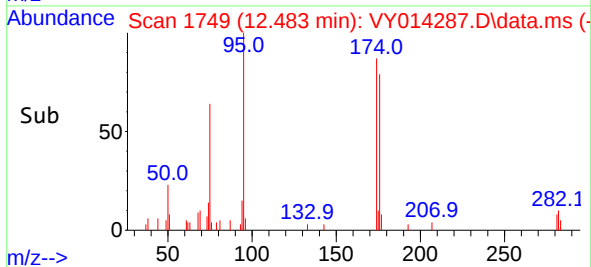
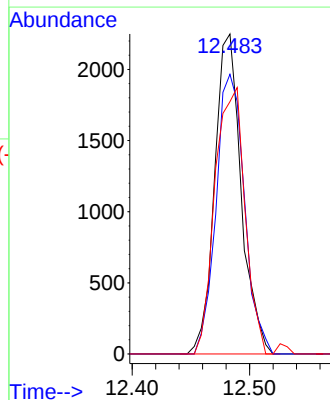
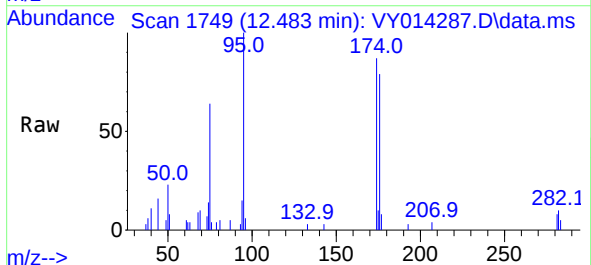
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

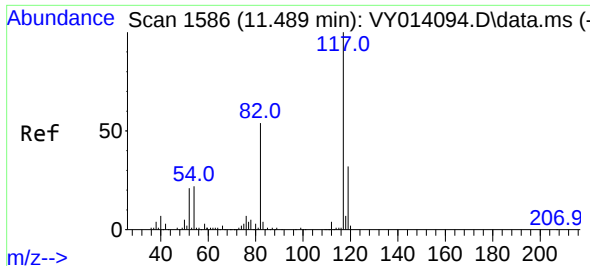
Tgt Ion: 98 Resp: 14810
Ion Ratio Lower Upper
98 100
100 60.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 28.823 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

Tgt Ion: 95 Resp: 3542
Ion Ratio Lower Upper
95 100
174 93.2 0.0 178.2
176 93.4 0.0 173.8

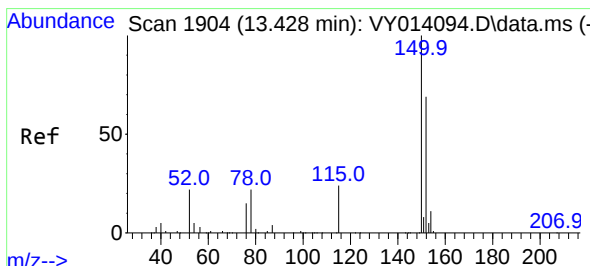
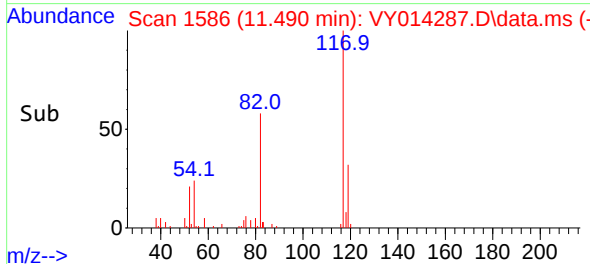
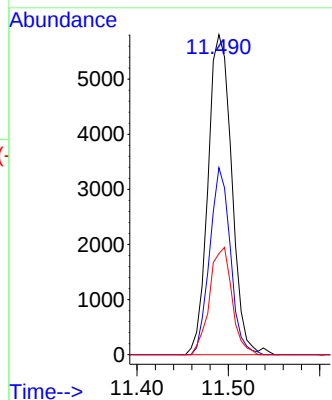
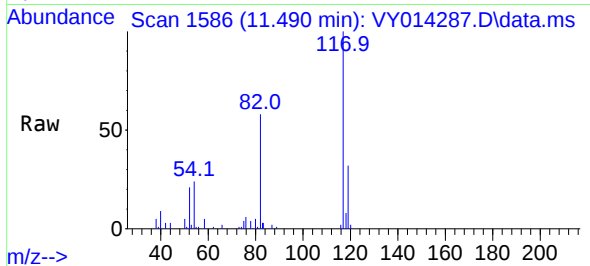




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

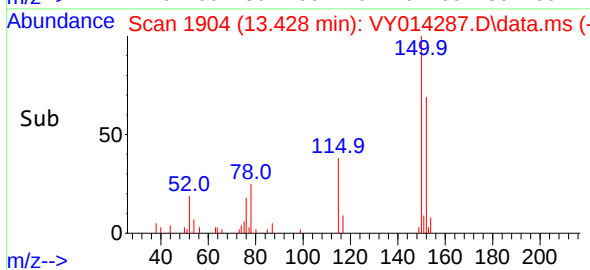
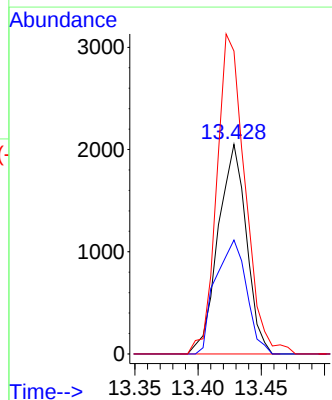
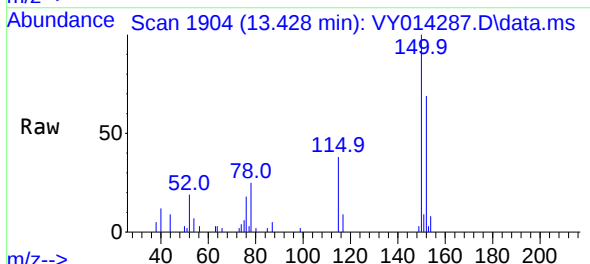
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

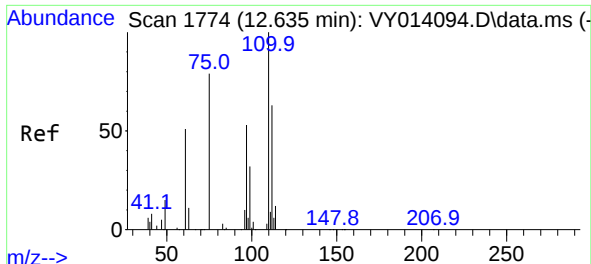
Tgt Ion:117	Resp:	10465
Ion Ratio	Lower	Upper
117	100	
82	58.5	43.4 65.0
119	31.6	26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

Tgt Ion:152	Resp:	3187
Ion Ratio	Lower	Upper
152	100	
115	59.8	28.8 86.5
150	152.5	0.0 348.8

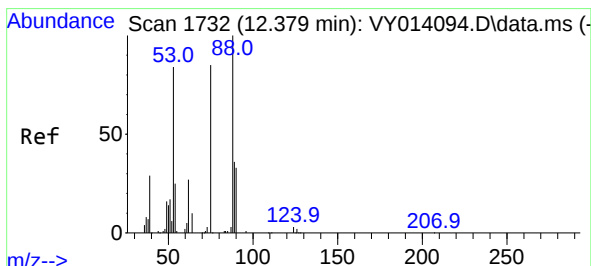
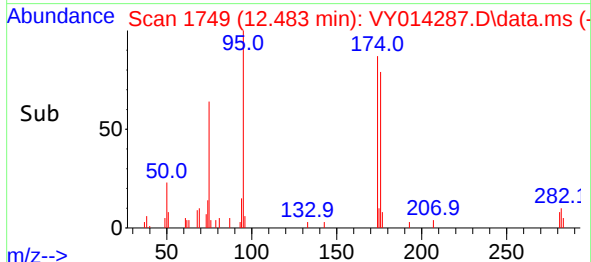
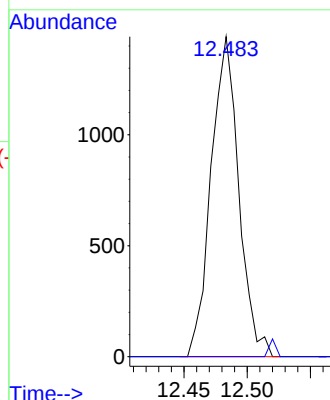
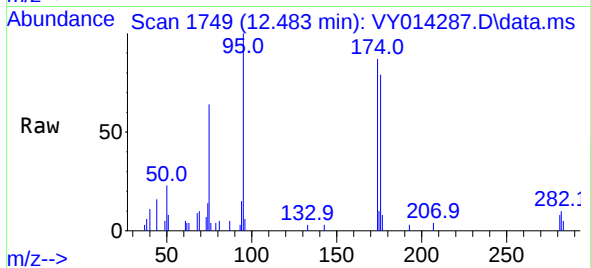




#76
1,2,3-Trichloropropane
Concen: 52.472 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

Tgt Ion: 75 Resp: 2194
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 113.424 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014287.D
Acq: 20 Jun 2023 16:43

Tgt Ion: 75 Resp: 2194
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

