

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020923\
 Data File : VY012558.D
 Acq On : 09 Feb 2023 11:49
 Operator : KP/MD
 Sample : 01462-20
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-20

Quant Time: Feb 09 16:40:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

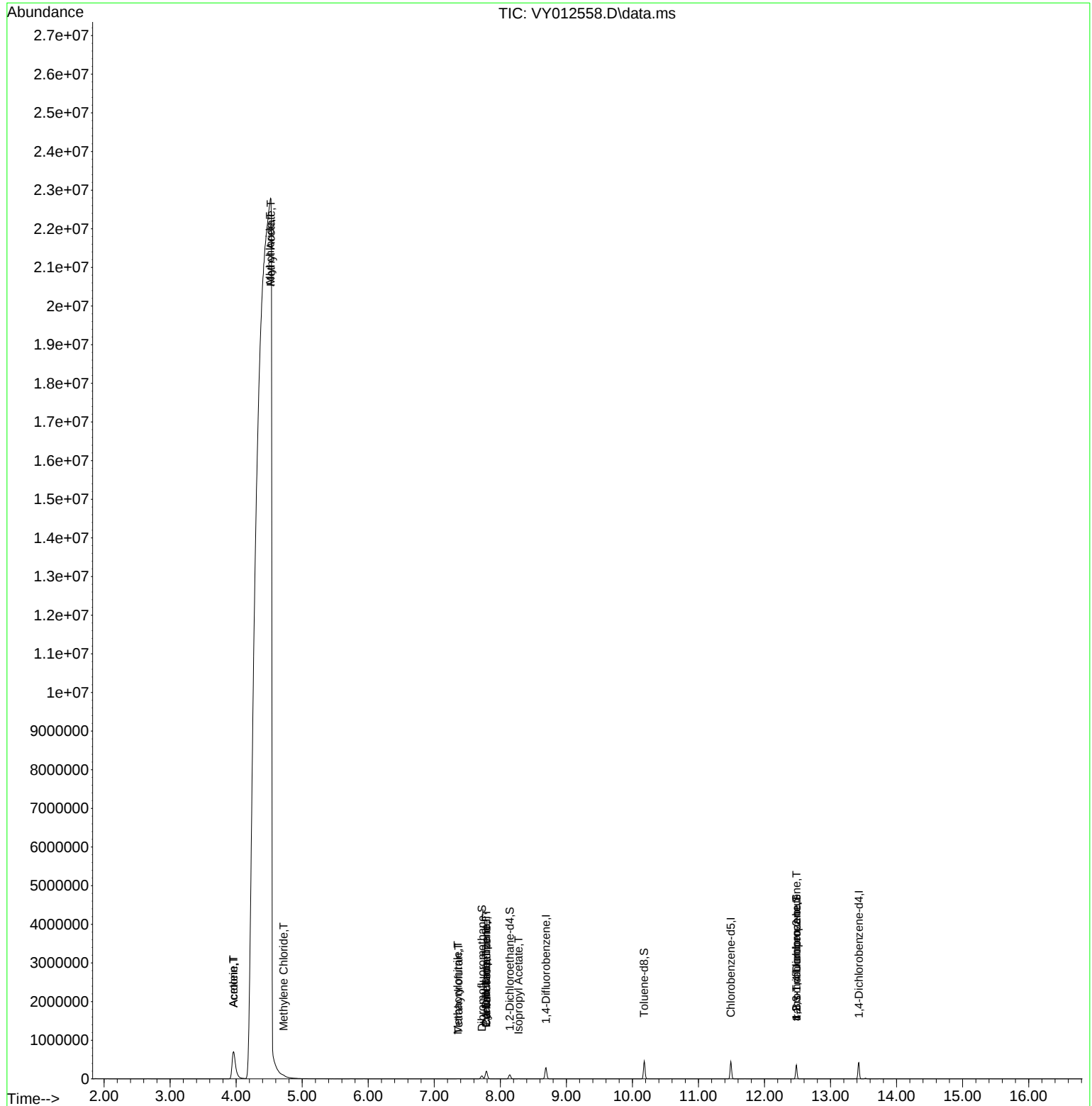
Internal Standards						
1) Pentafluorobenzene	7.789	168	158775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	258660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	251467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	88688	43.926	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.860%
35) Dibromofluoromethane	7.722	113	53923	28.626	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	57.260%
50) Toluene-d8	10.179	98	307328	39.197	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.400%
62) 4-Bromofluorobenzene	12.483	95	101399	37.077	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	271	Below Cal	#	41
5) Bromomethane	2.662	94	466	Below Cal	#	73
13) Acrolein	3.960	56	309	1.302	ug/l #	1
14) Allyl chloride	4.515	41	24170232	12541.458	ug/l #	61
16) Acetone	3.960	43	1696940	3492.029	ug/l	98
18) Methyl Acetate	4.527	43	58845943	50381.233	ug/l #	43
20) Methylene Chloride	4.716	84	15037	4.441	ug/l	99
29) Tetrahydrofuran	7.368	42	2401	8.237	ug/l	95
31) Cyclohexane	7.783	56	2579	1.105	ug/l #	16
36) 1,1-Dichloropropene	7.783	75	10592	4.155	ug/l #	50
38) Carbon Tetrachloride	7.789	117	15794	4.615	ug/l #	17
41) Methacrylonitrile	7.356	41	1729	2.743	ug/l #	100
43) Isopropyl Acetate	8.277	43	2578	1.209	ug/l #	85
76) 1,2,3-Trichloropropane	12.483	75	53554	41.305	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	53554	93.146	ug/l #	12

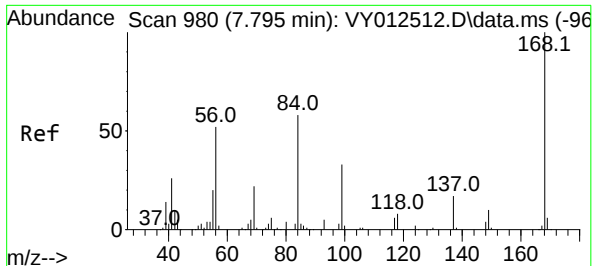
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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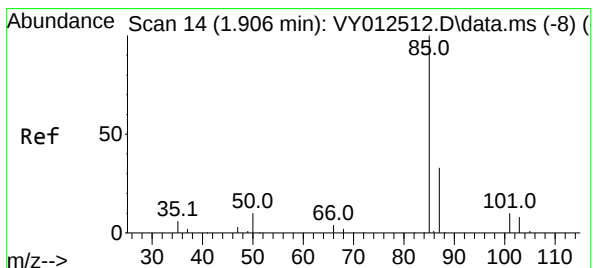
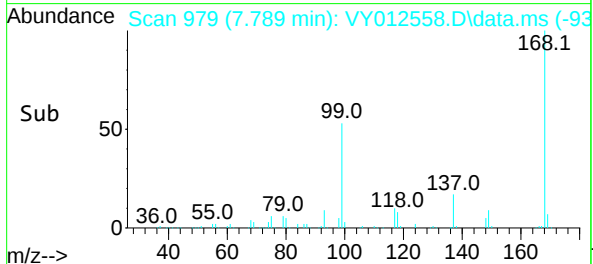
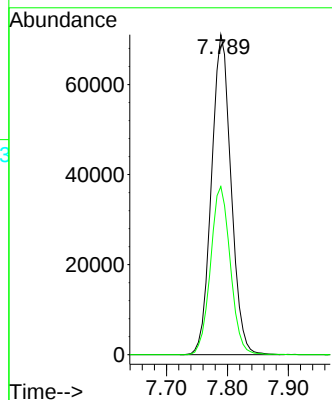
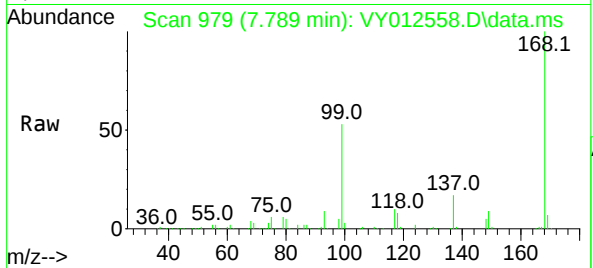




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012558.D
Acq: 09 Feb 2023 11:49

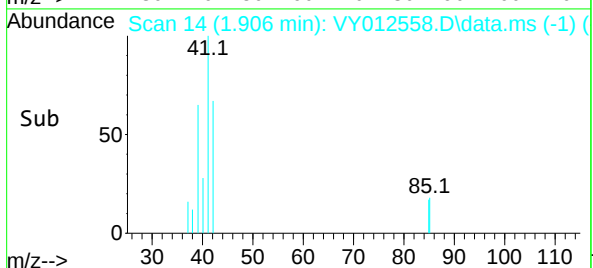
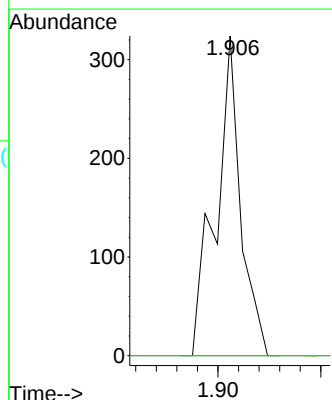
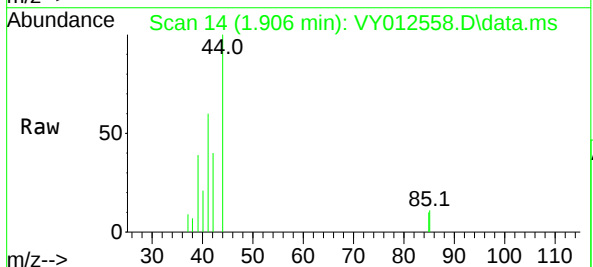
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-20

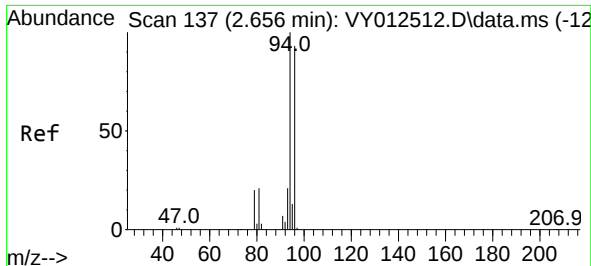
Tgt Ion:168 Resp: 158775
Ion Ratio Lower Upper
168 100
99 52.5 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012558.D
Acq: 09 Feb 2023 11:49

Tgt Ion: 85 Resp: 271
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#

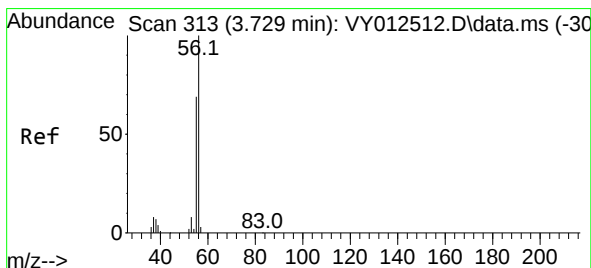
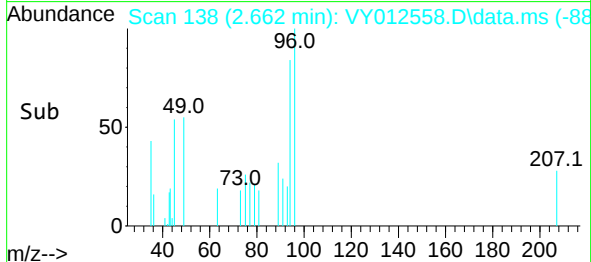
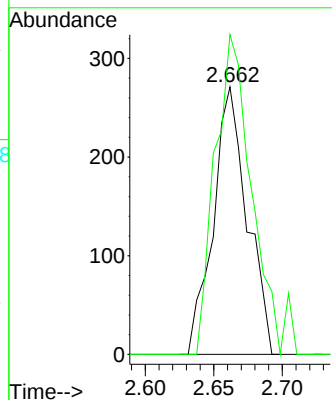
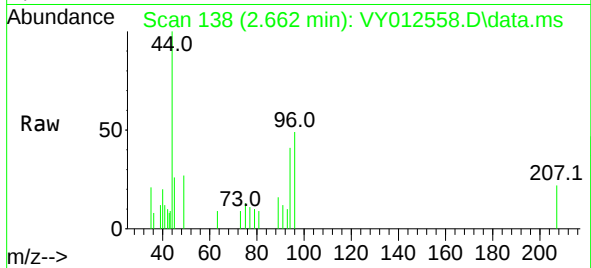




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012558.D
Acq: 09 Feb 2023 11:49

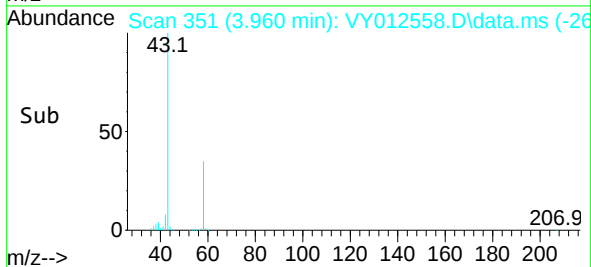
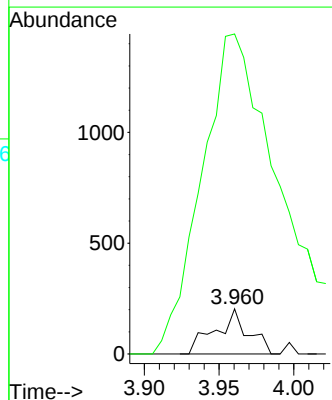
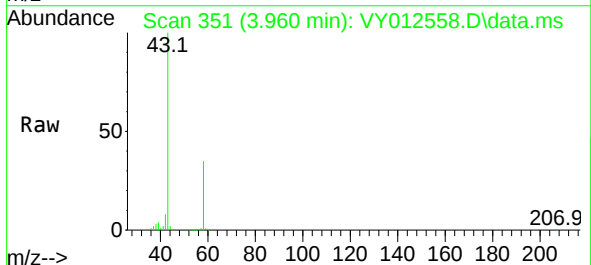
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-20

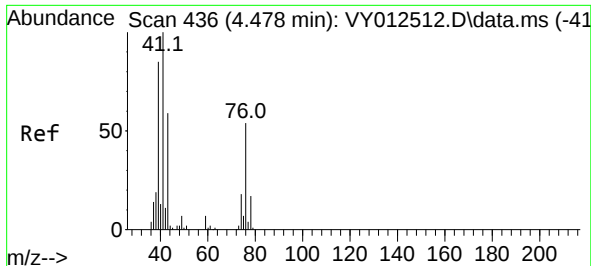
Tgt Ion: 94 Resp: 466
Ion Ratio Lower Upper
94 100
96 119.6 74.7 112.1#



#13
Acrolein
Concen: 1.302 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.232 min
Lab File: VY012558.D
Acq: 09 Feb 2023 11:49

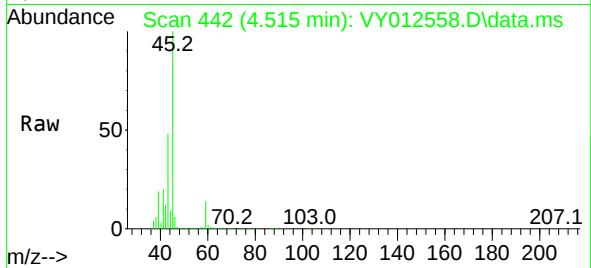
Tgt Ion: 56 Resp: 309
Ion Ratio Lower Upper
56 100
55 1530.7 57.0 85.4#



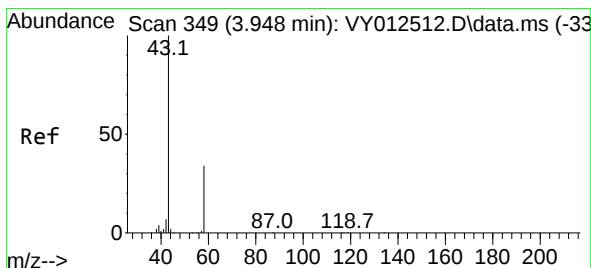
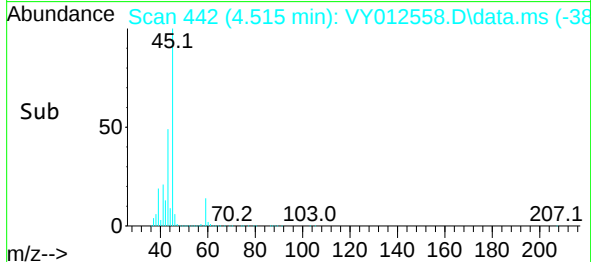
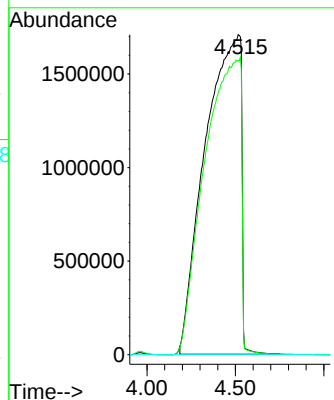


#14
 Allyl chloride
 Concen: 12541.458 ug/l
 RT: 4.515 min Scan# 442
 Delta R.T. 0.037 min
 Lab File: VY012558.D
 Acq: 09 Feb 2023 11:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-20

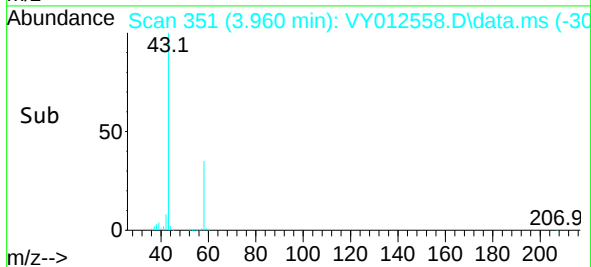
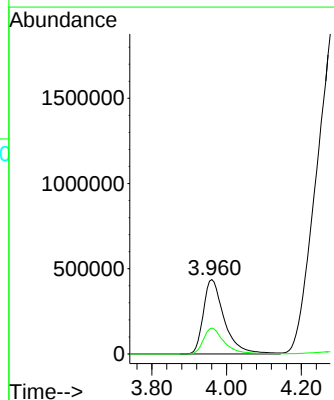
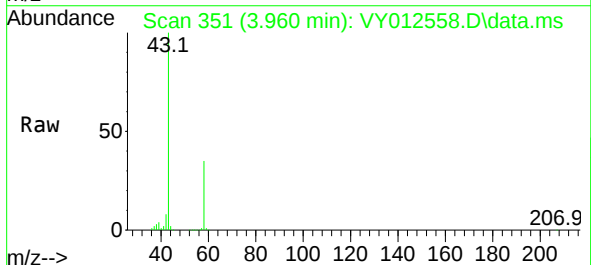


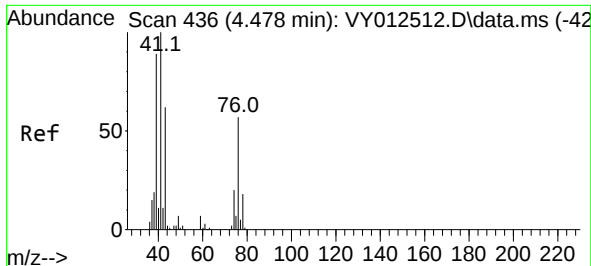
Tgt Ion: 41 Resp: 24170232
 Ion Ratio Lower Upper
 41 100
 39 93.6 62.6 94.0
 76 0.0 39.6 59.4#



#16
 Acetone
 Concen: 3492.029 ug/l
 RT: 3.960 min Scan# 351
 Delta R.T. 0.012 min
 Lab File: VY012558.D
 Acq: 09 Feb 2023 11:49

Tgt Ion: 43 Resp: 1696940
 Ion Ratio Lower Upper
 43 100
 58 34.9 27.1 40.7

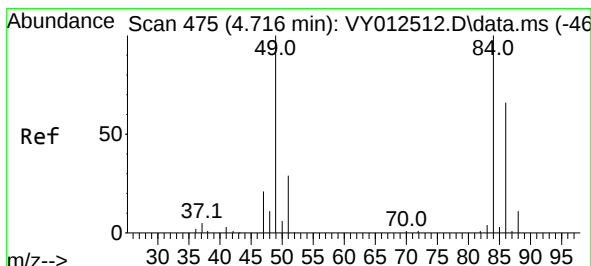
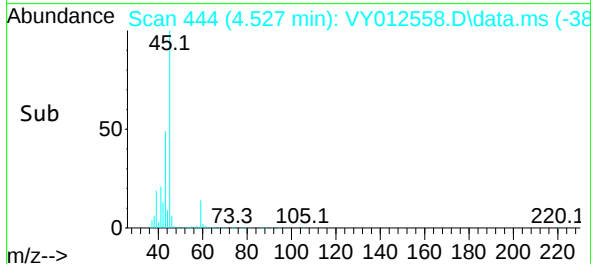
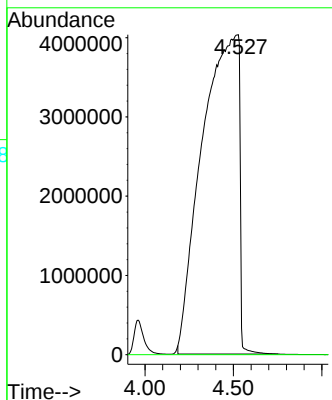
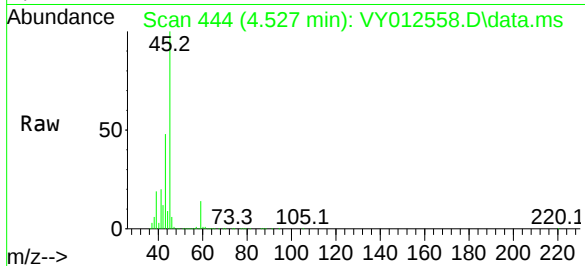




#18
Methyl Acetate
Concen: 50381.233 ug/l
RT: 4.527 min Scan# 444
Delta R.T. 0.049 min
Lab File: VY012558.D
Acq: 09 Feb 2023 11:49

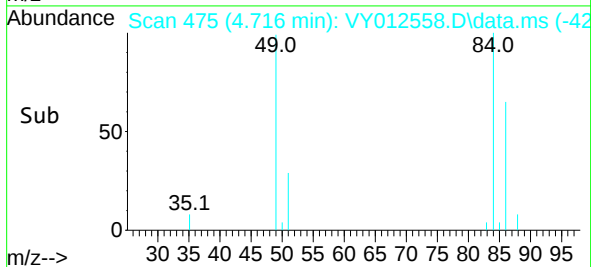
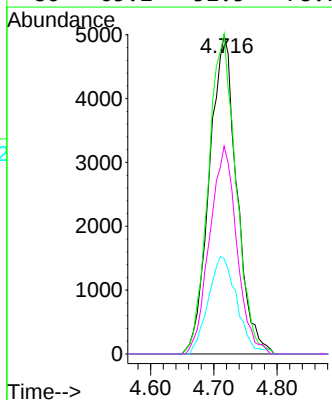
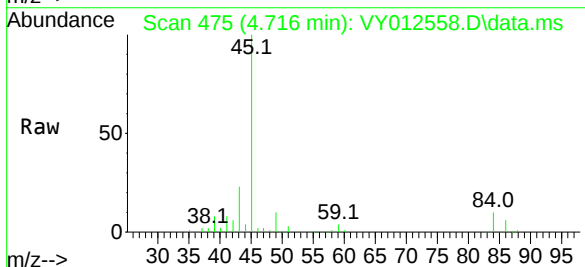
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-20

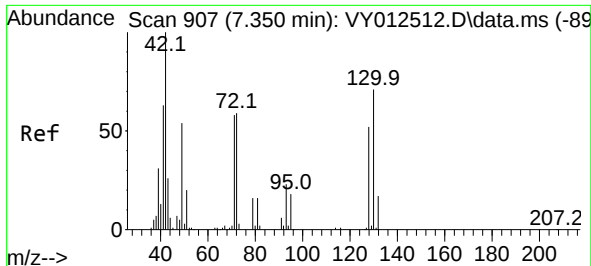
Tgt Ion: 43 Resp:58845943
Ion Ratio Lower Upper
43 100
74 0.0 25.6 38.4#



#20
Methylene Chloride
Concen: 4.441 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012558.D
Acq: 09 Feb 2023 11:49

Tgt Ion: 84 Resp: 15037
Ion Ratio Lower Upper
84 100
49 100.4 79.8 119.6
51 29.9 23.4 35.2
86 65.2 52.5 78.7





#29

Tetrahydrofuran

Concen: 8.237 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.018 min

Lab File: VY012558.D

Acq: 09 Feb 2023 11:49

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-20

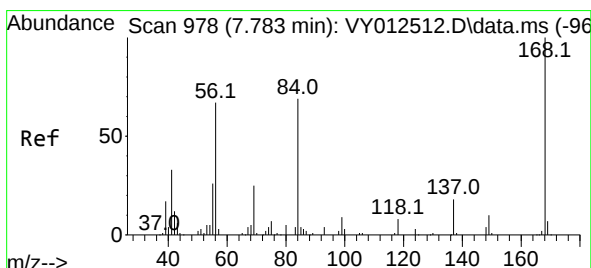
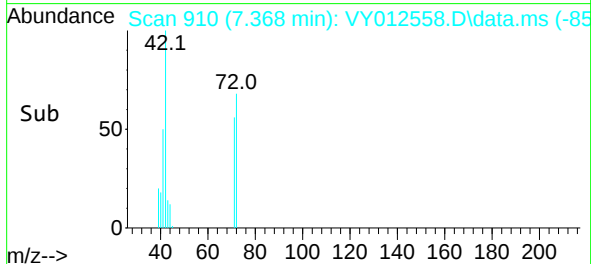
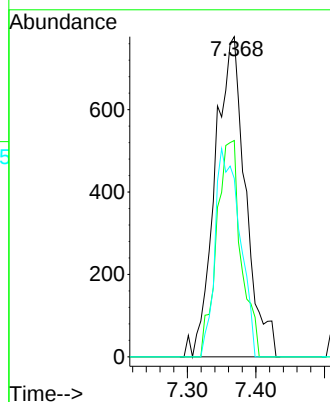
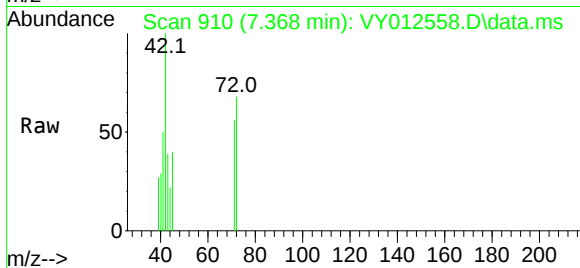
Tgt Ion: 42 Resp: 2401

Ion Ratio Lower Upper

42 100

72 53.9 47.0 70.6

71 52.8 44.6 66.8



#31

Cyclohexane

Concen: 1.105 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.000 min

Lab File: VY012558.D

Acq: 09 Feb 2023 11:49

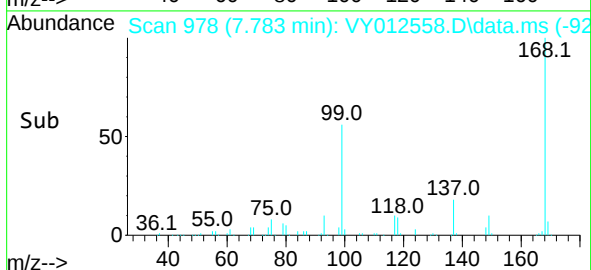
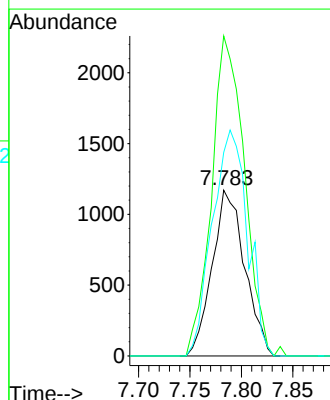
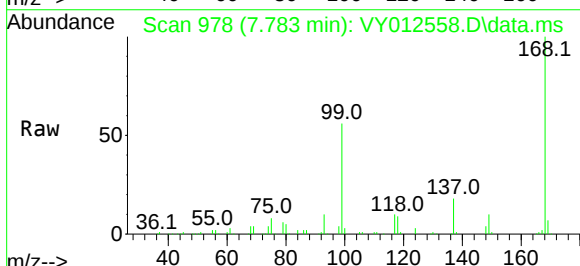
Tgt Ion: 56 Resp: 2579

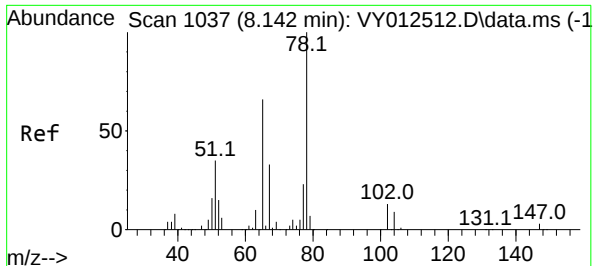
Ion Ratio Lower Upper

56 100

69 193.0 29.5 44.3#

84 122.7 81.9 122.9





#33

1,2-Dichloroethane-d4

Concen: 43.926 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY012558.D

Acq: 09 Feb 2023 11:49

Instrument :

MSVOA_Y

ClientSampleId :

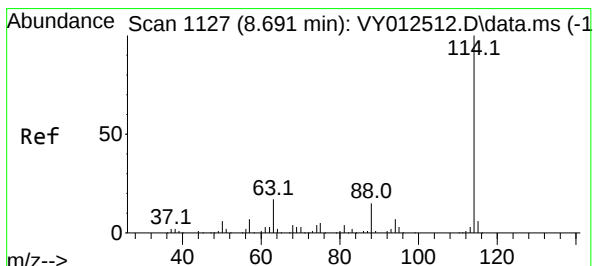
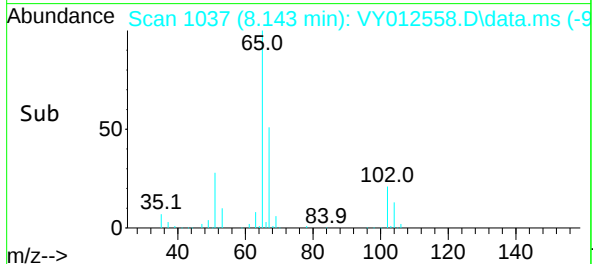
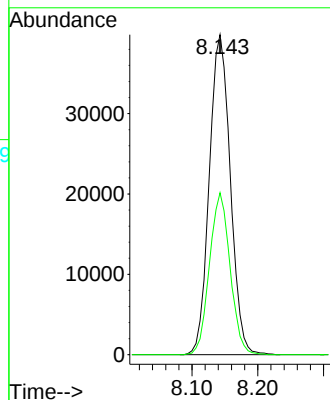
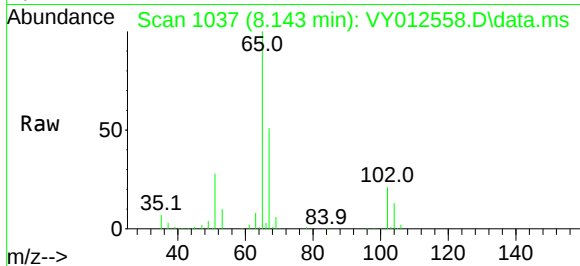
TOT-VOC-GRAB-20

Tgt Ion: 65 Resp: 88688

Ion Ratio Lower Upper

65 100

67 49.5 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012558.D

Acq: 09 Feb 2023 11:49

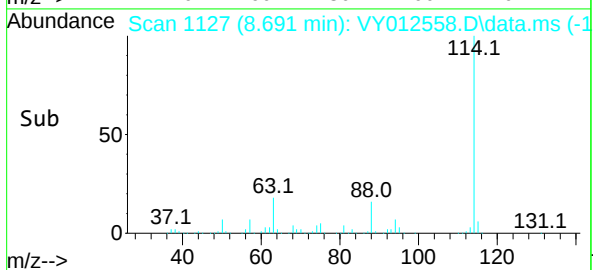
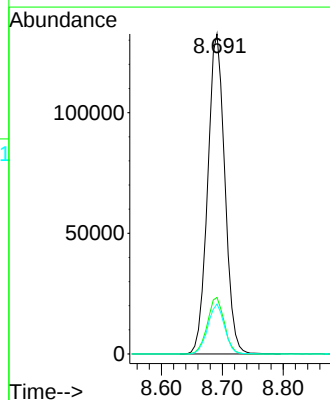
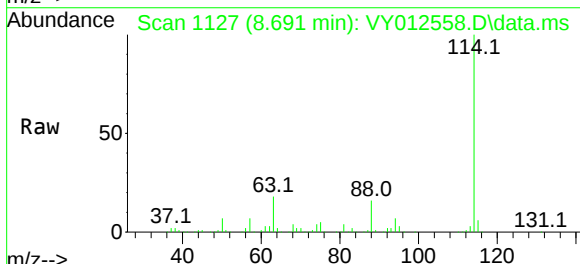
Tgt Ion: 114 Resp: 258660

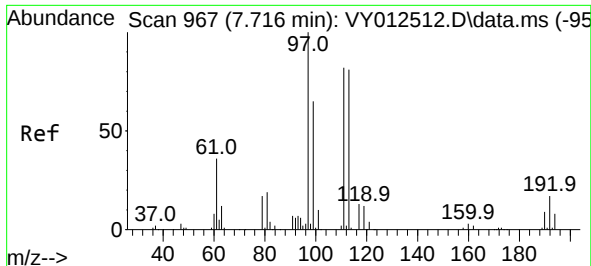
Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.6

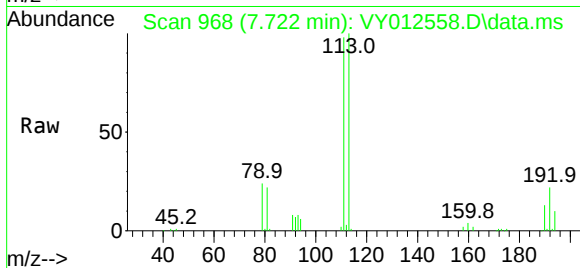
88 15.6 0.0 29.8



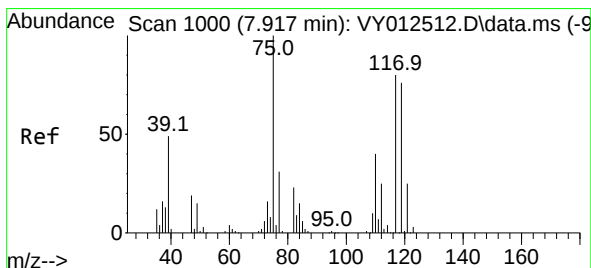
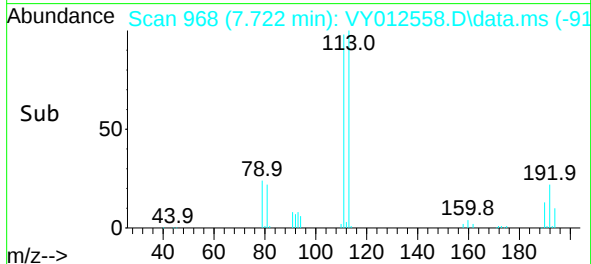
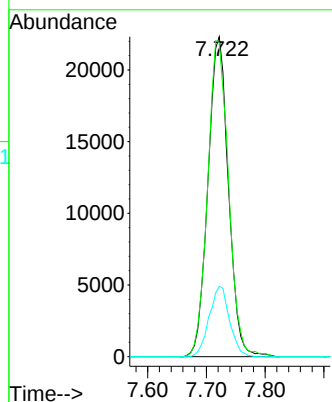


#35
Dibromofluoromethane
Concen: 28.626 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY012558.D
Acq: 09 Feb 2023 11:49

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-20

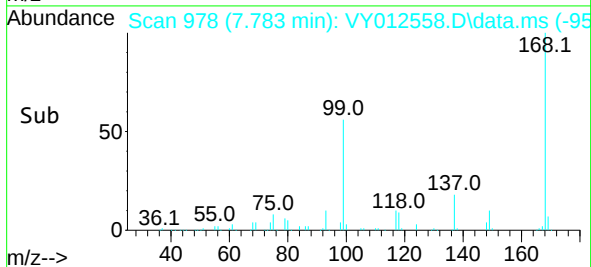
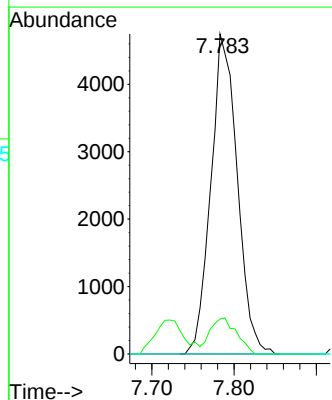
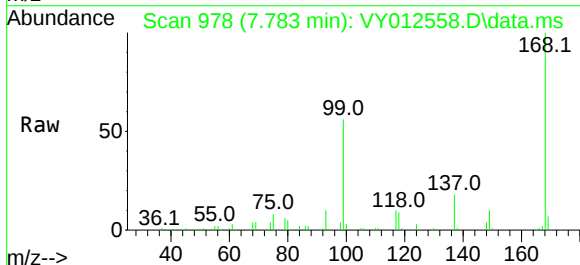


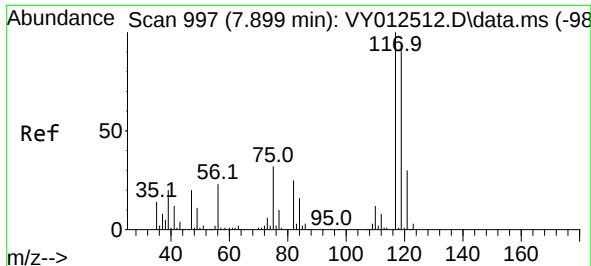
Tgt Ion:113 Resp: 53923
Ion Ratio Lower Upper
113 100
111 101.2 81.9 122.9
192 21.8 17.5 26.3



#36
1,1-Dichloropropene
Concen: 4.155 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012558.D
Acq: 09 Feb 2023 11:49

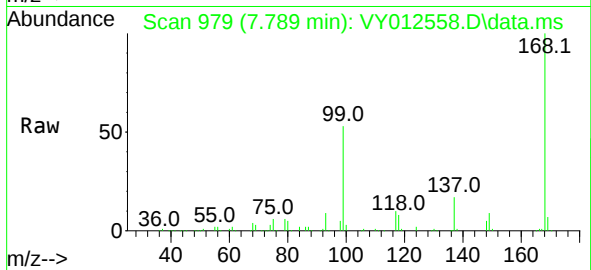
Tgt Ion: 75 Resp: 10592
Ion Ratio Lower Upper
75 100
110 11.3 19.5 58.5#
77 0.0 24.9 37.3#



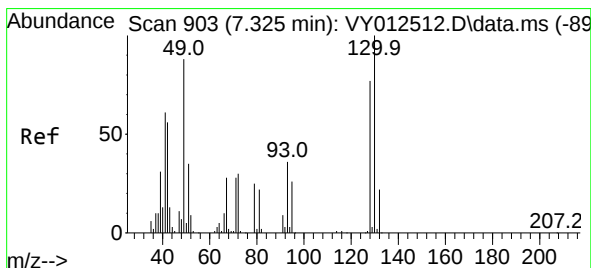
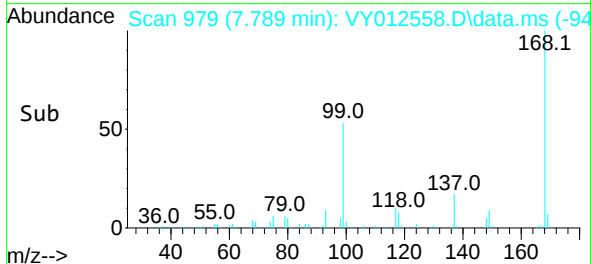
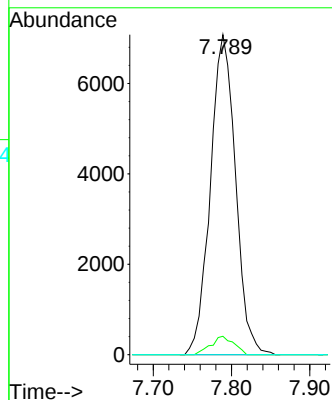


#38
Carbon Tetrachloride
Concen: 4.615 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012558.D
Acq: 09 Feb 2023 11:49

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-20

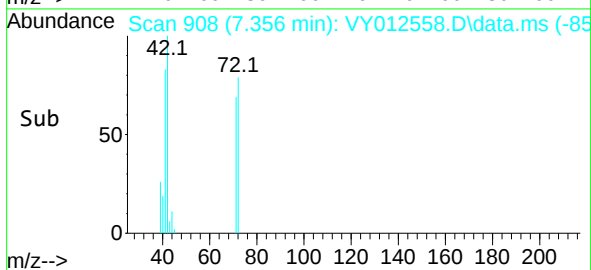
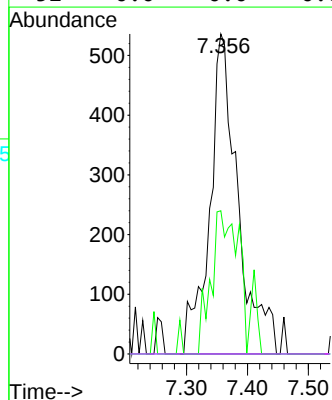
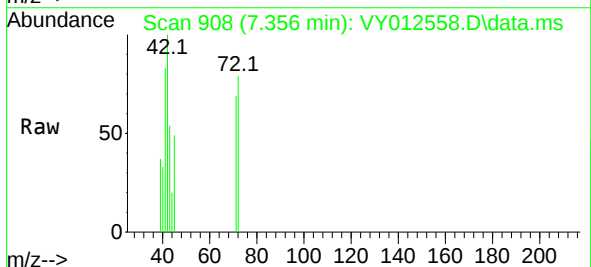


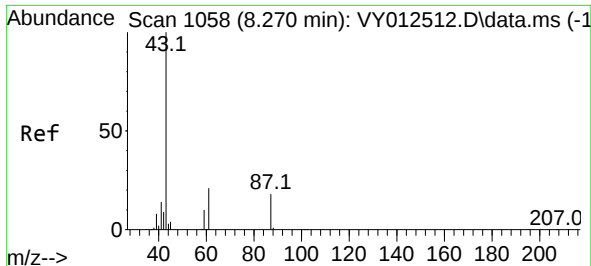
Tgt Ion:117 Resp: 15794
Ion Ratio Lower Upper
117 100
119 5.7 75.1 112.7#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 2.743 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.031 min
Lab File: VY012558.D
Acq: 09 Feb 2023 11:49

Tgt Ion: 41 Resp: 1729
Ion Ratio Lower Upper
41 100
39 43.0 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

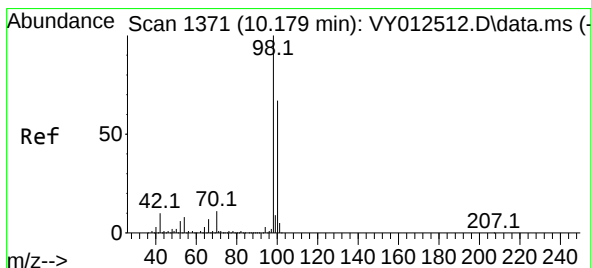
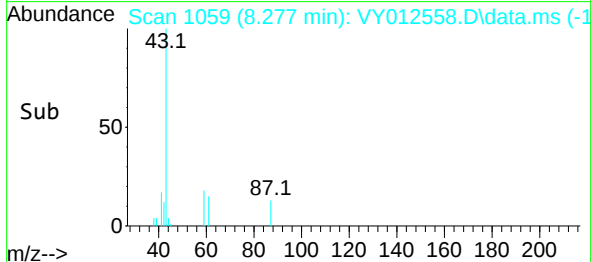
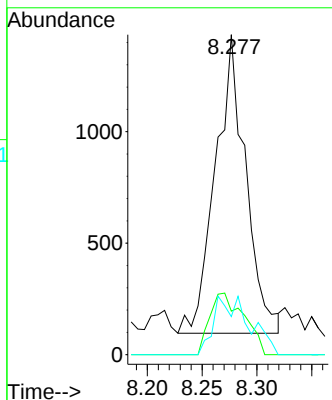
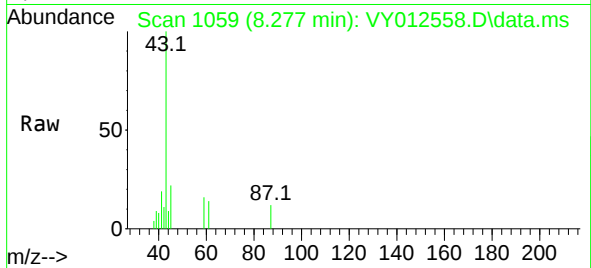




#43
Isopropyl Acetate
Concen: 1.209 ug/l
RT: 8.277 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY012558.D
Acq: 09 Feb 2023 11:49

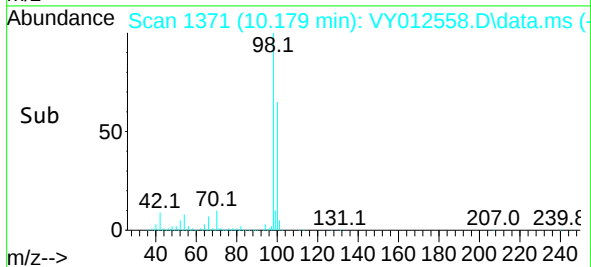
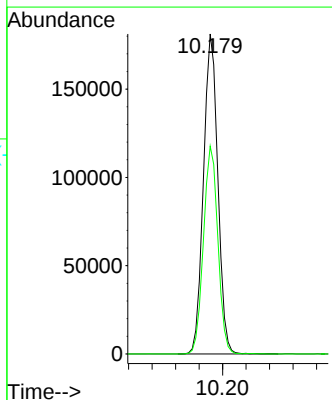
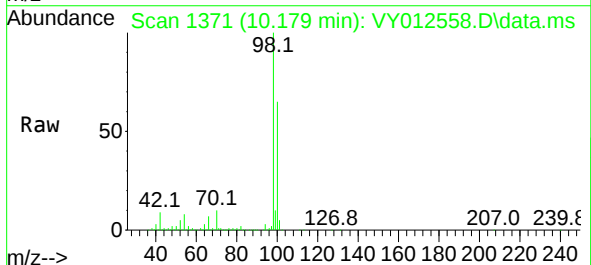
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-20

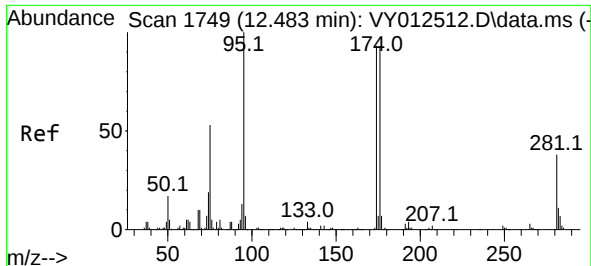
Tgt Ion: 43 Resp: 2578
Ion Ratio Lower Upper
43 100
61 23.3 27.2 40.8#
87 22.7 15.0 22.4#



#50
Toluene-d8
Concen: 39.197 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012558.D
Acq: 09 Feb 2023 11:49

Tgt Ion: 98 Resp: 307328
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2

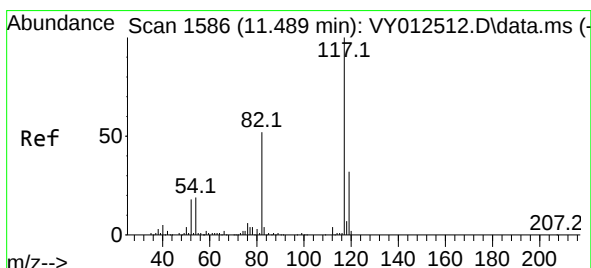
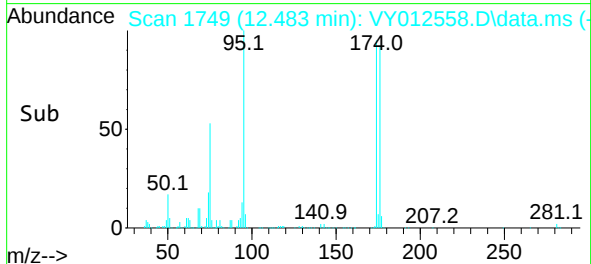
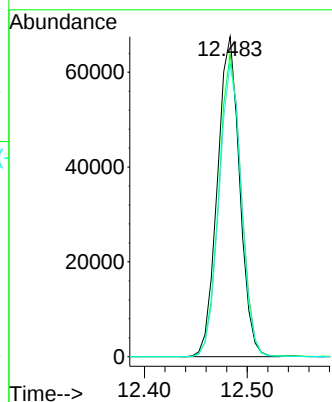
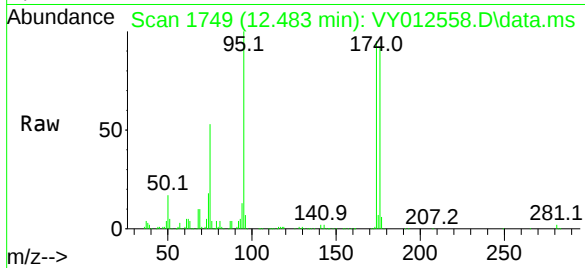




#62
4-Bromofluorobenzene
Concen: 37.077 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012558.D
Acq: 09 Feb 2023 11:49

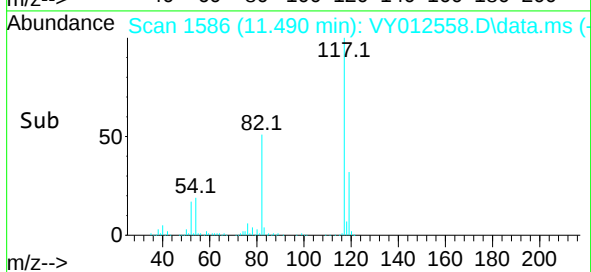
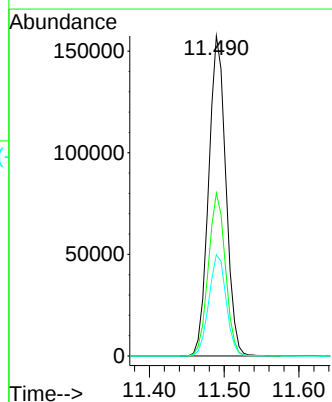
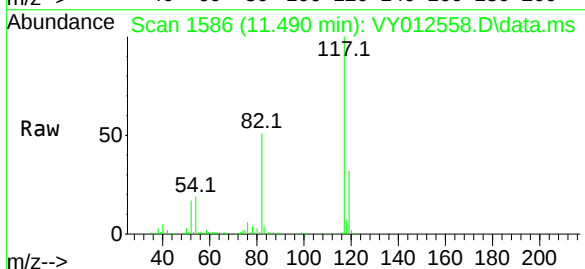
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-20

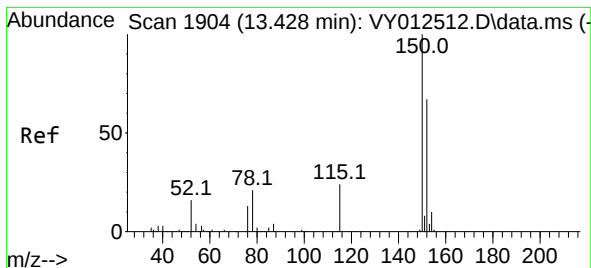
Tgt Ion: 95 Resp: 101399
Ion Ratio Lower Upper
95 100
174 95.4 0.0 188.0
176 91.8 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012558.D
Acq: 09 Feb 2023 11:49

Tgt Ion: 117 Resp: 251467
Ion Ratio Lower Upper
117 100
82 50.9 41.7 62.5
119 31.7 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012558.D

Acq: 09 Feb 2023 11:49

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-20

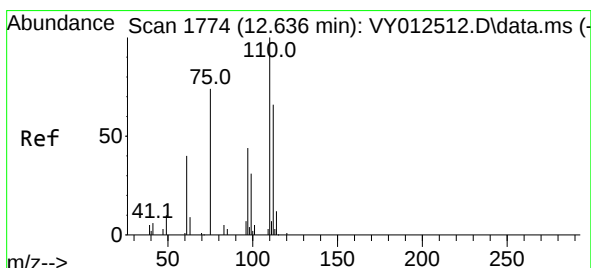
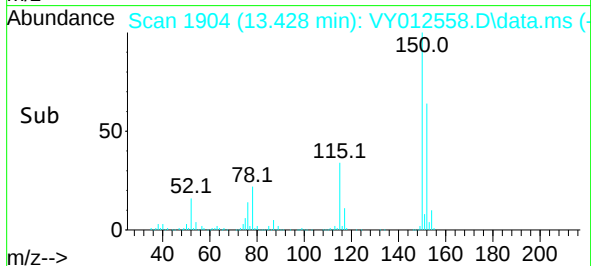
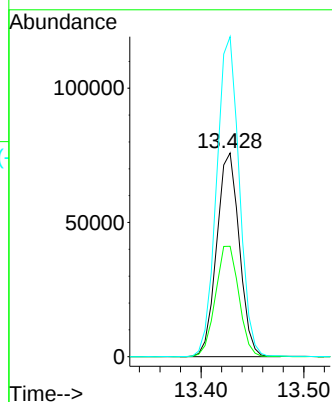
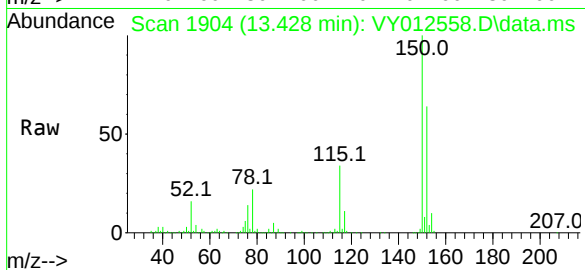
Tgt Ion:152 Resp: 116049

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.3

150 157.4 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 41.305 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY012558.D

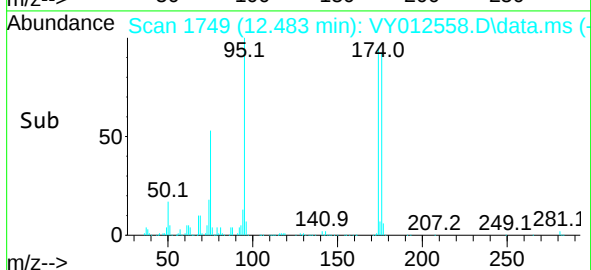
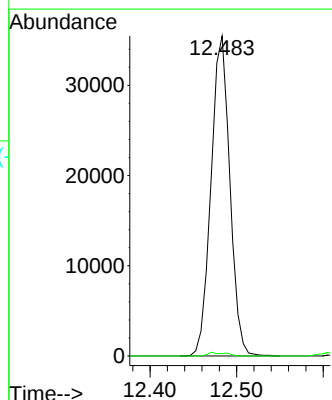
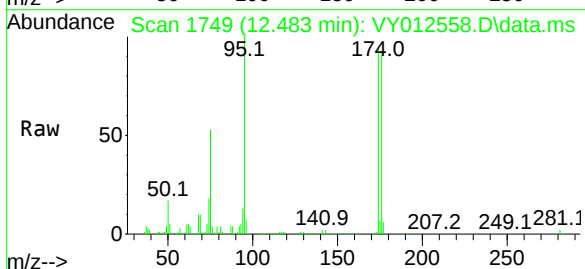
Acq: 09 Feb 2023 11:49

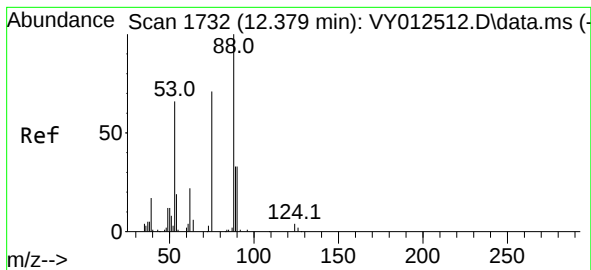
Tgt Ion: 75 Resp: 53554

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.146 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012558.D
 Acq: 09 Feb 2023 11:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-20

Tgt Ion: 75 Resp: 53554
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 39.9 59.9#

