

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012552.D
 Acq On : 08 Feb 2023 18:56
 Operator : KP/MD
 Sample : 01464-07RE
 Misc : 2.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-60

Quant Time: Feb 09 07:16:02 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)

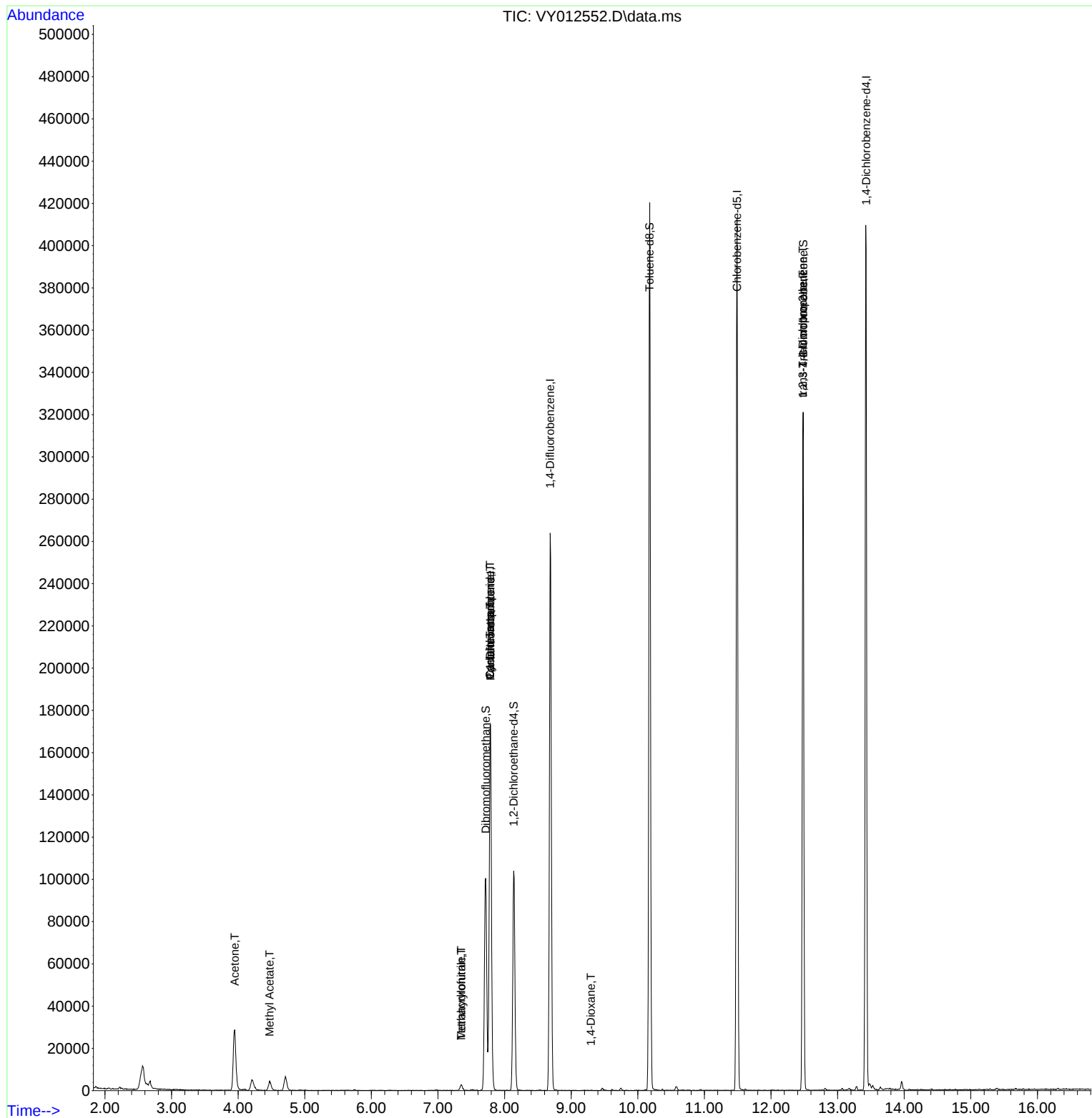
Internal Standards						
1) Pentafluorobenzene	7.789	168	144048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	237528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	233485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	87047	47.521	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.040%		
35) Dibromofluoromethane	7.716	113	71091	41.097	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.200%		
50) Toluene-d8	10.179	98	282174	39.191	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.380%		
62) 4-Bromofluorobenzene	12.483	95	95364	37.973	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	75.940%		
Target Compounds						
5) Bromomethane	2.631	94	512	Below Cal	#	77
11) Tert butyl alcohol	4.942	59	195	Below Cal	#	75
16) Acetone	3.948	43	51077	115.854	ug/l	99
18) Methyl Acetate	4.472	43	7510	7.087	ug/l	100
20) Methylene Chloride	4.710	84	5292	Below Cal		97
29) Tetrahydrofuran	7.350	42	1861	7.037	ug/l	95
31) Cyclohexane	7.783	56	2401	1.134	ug/l #	7
36) 1,1-Dichloropropene	7.783	75	9027	3.856	ug/l #	50
38) Carbon Tetrachloride	7.783	117	14057	4.473	ug/l #	17
41) Methacrylonitrile	7.350	41	1033	1.785	ug/l #	100
49) 1,4-Dioxane	9.295	88	97	7.078	ug/l #	74
76) 1,2,3-Trichloropropane	12.477	75	49517	39.098	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	49517	88.167	ug/l #	12

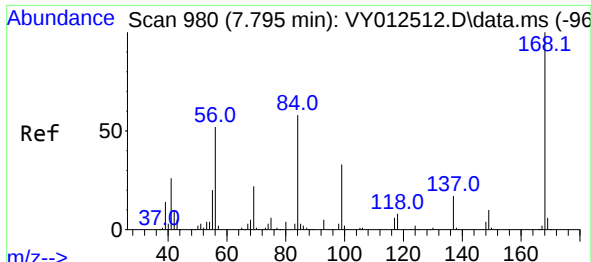
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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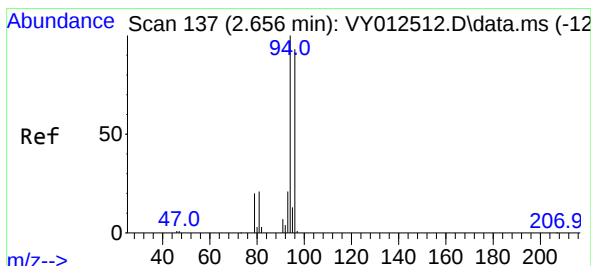
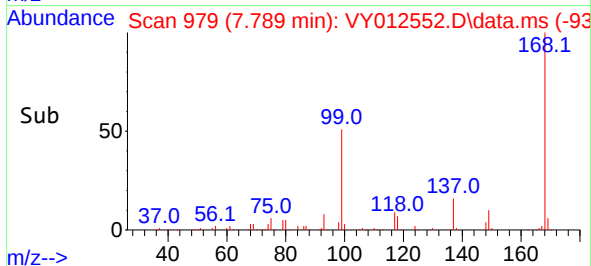
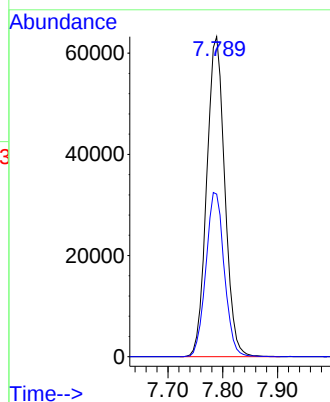
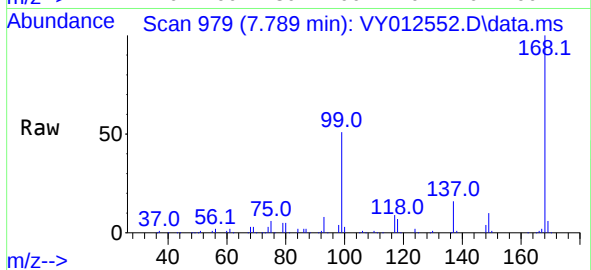




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

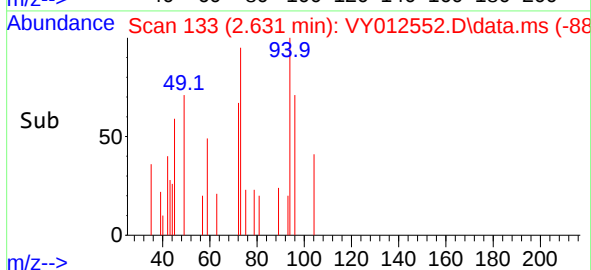
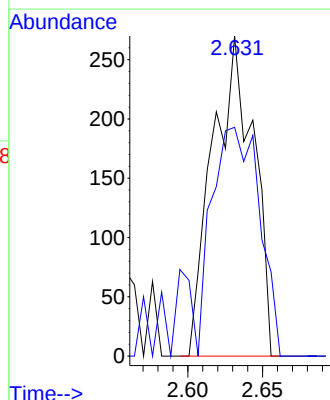
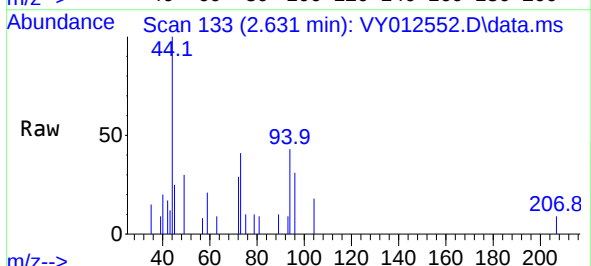
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

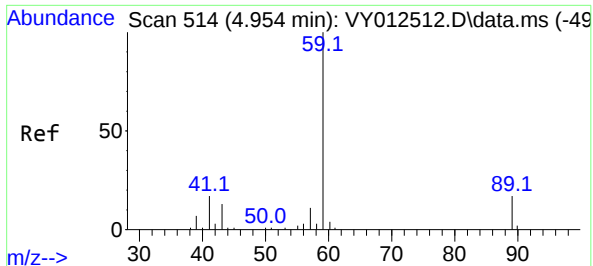
Tgt Ion:168 Resp: 144048
Ion Ratio Lower Upper
168 100
99 50.8 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.631 min Scan# 133
Delta R.T. -0.025 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

Tgt Ion: 94 Resp: 512
Ion Ratio Lower Upper
94 100
96 71.5 74.7 112.1#

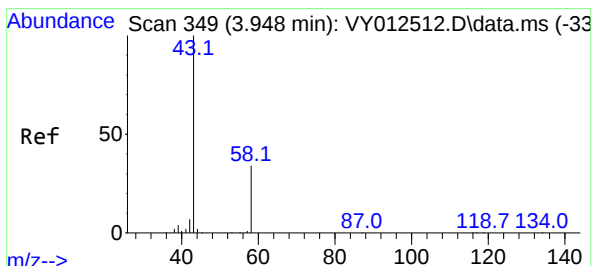
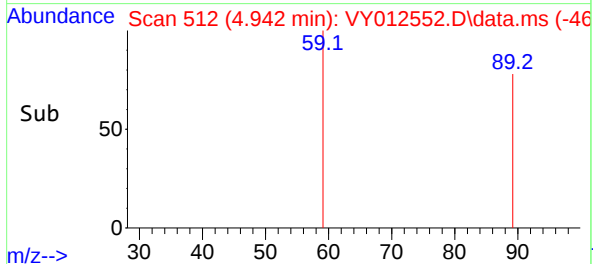
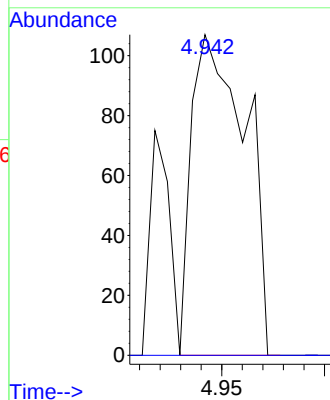
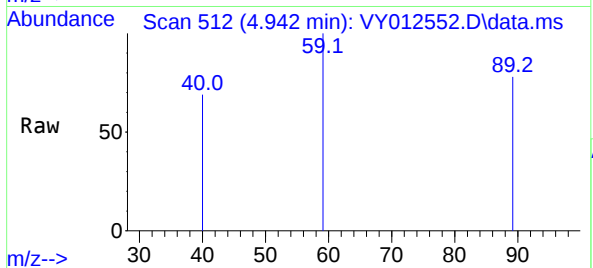




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

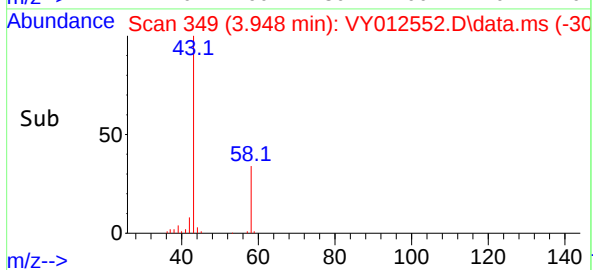
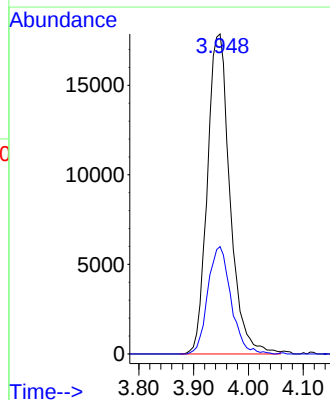
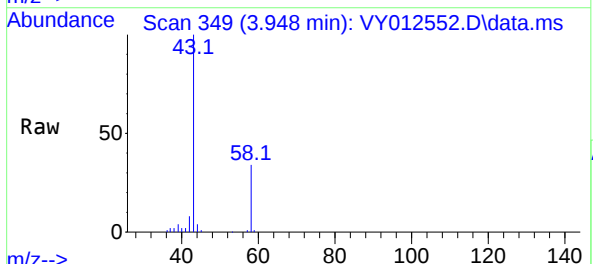
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

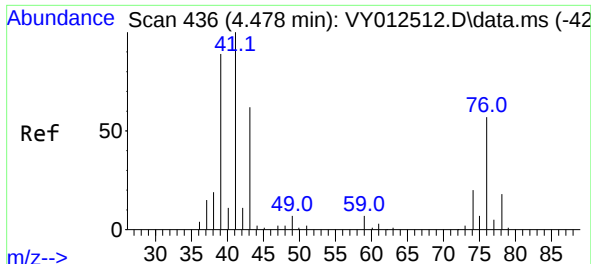
Tgt Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 115.854 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

Tgt Ion: 43 Resp: 51077
Ion Ratio Lower Upper
43 100
58 33.6 27.1 40.7

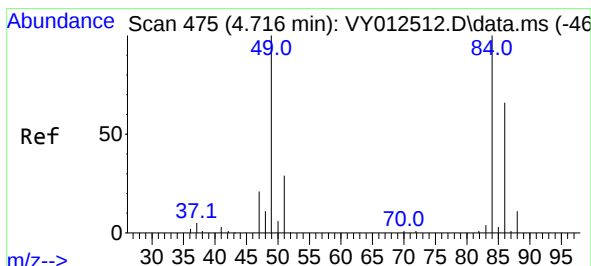
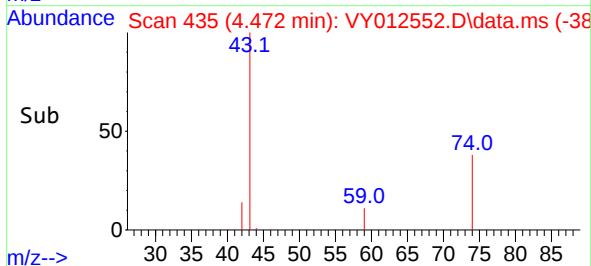
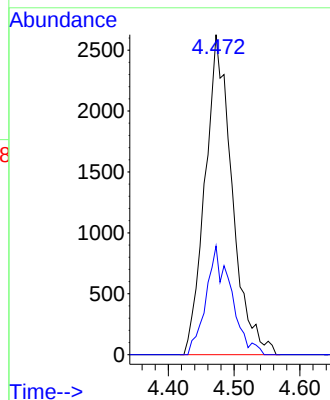
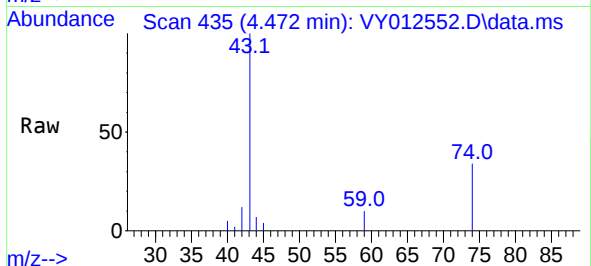




#18
Methyl Acetate
Concen: 7.087 ug/l
RT: 4.472 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

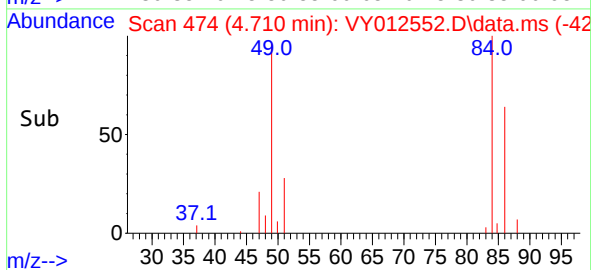
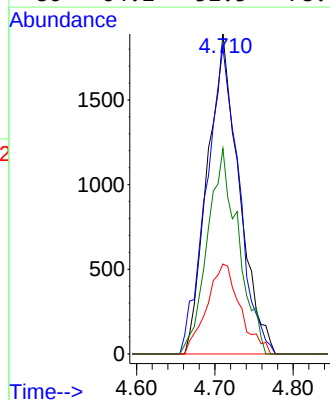
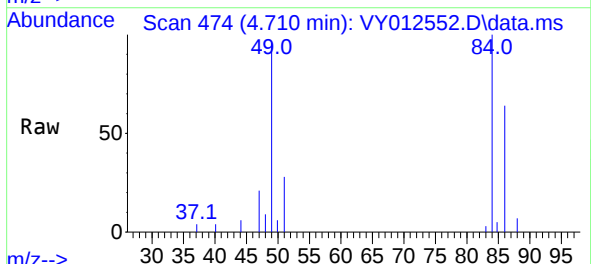
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

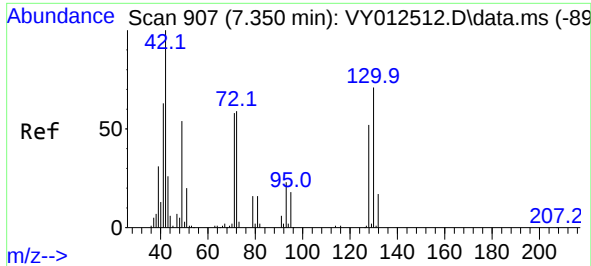
Tgt Ion: 43 Resp: 7510
Ion Ratio Lower Upper
43 100
74 31.8 25.6 38.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

Tgt Ion: 84 Resp: 5292
Ion Ratio Lower Upper
84 100
49 95.9 79.8 119.6
51 28.1 23.4 35.2
86 64.2 52.5 78.7





#29

Tetrahydrofuran

Concen: 7.037 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY012552.D

Acq: 08 Feb 2023 18:56

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-60

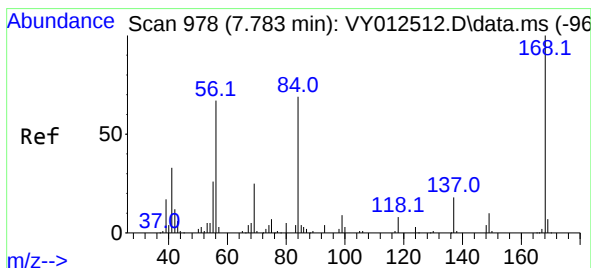
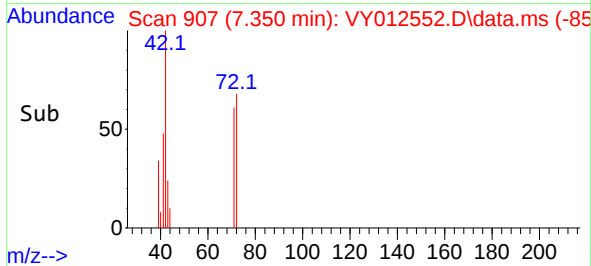
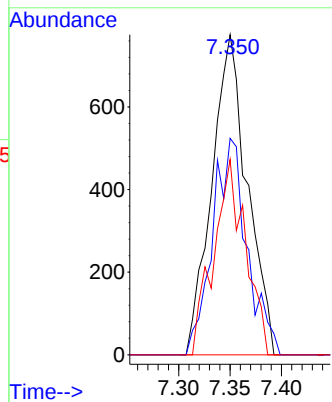
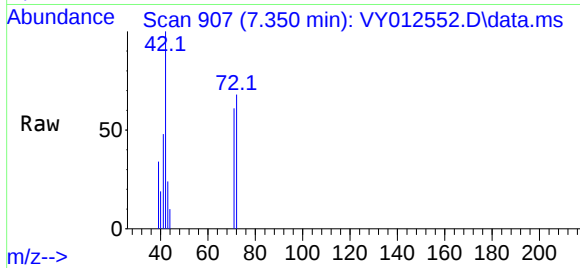
Tgt Ion: 42 Resp: 1861

Ion Ratio Lower Upper

42 100

72 65.6 47.0 70.6

71 54.8 44.6 66.8



#31

Cyclohexane

Concen: 1.134 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.000 min

Lab File: VY012552.D

Acq: 08 Feb 2023 18:56

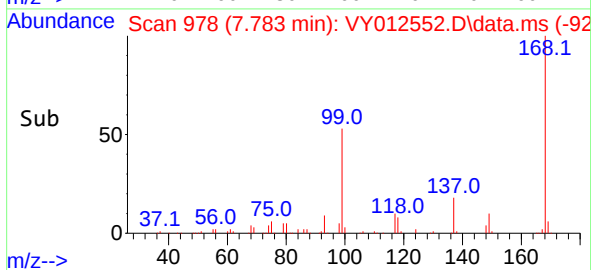
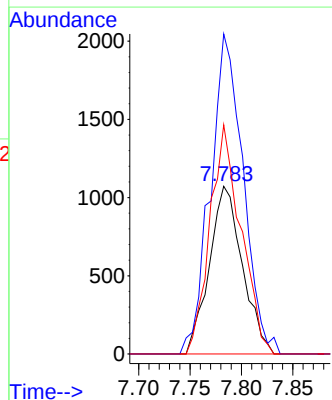
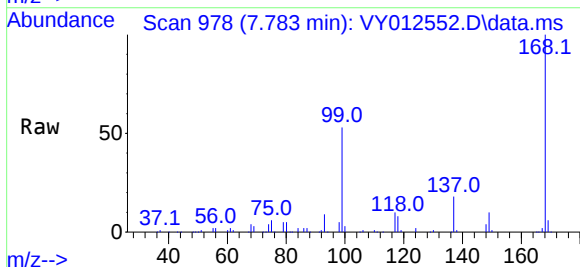
Tgt Ion: 56 Resp: 2401

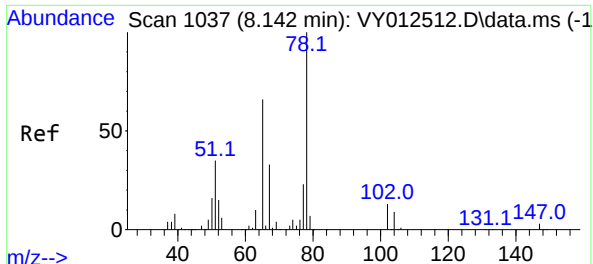
Ion Ratio Lower Upper

56 100

69 190.9 29.5 44.3#

84 136.7 81.9 122.9#





#33

1,2-Dichloroethane-d4

Concen: 47.521 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012552.D

Acq: 08 Feb 2023 18:56

Instrument :

MSVOA_Y

ClientSampleId :

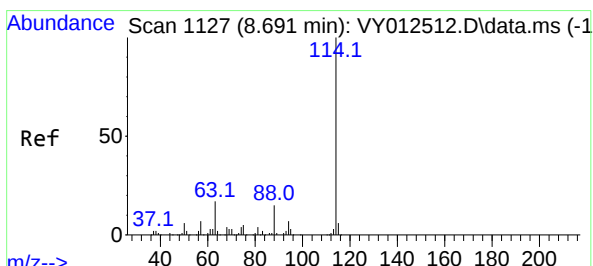
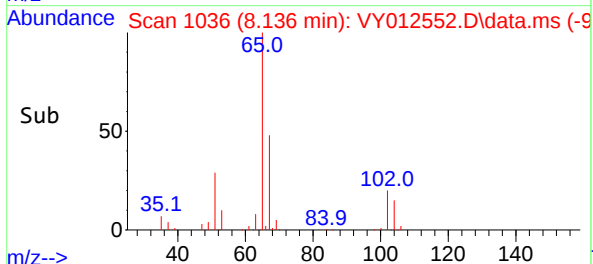
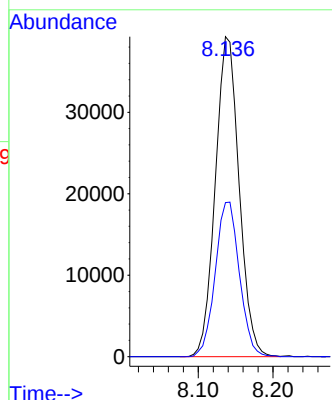
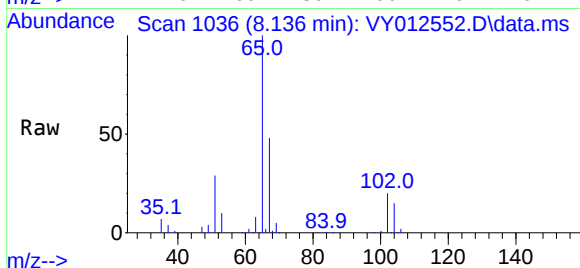
TOT-VOC-GRAB-60

Tgt Ion: 65 Resp: 87047

Ion Ratio Lower Upper

65 100

67 49.1 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012552.D

Acq: 08 Feb 2023 18:56

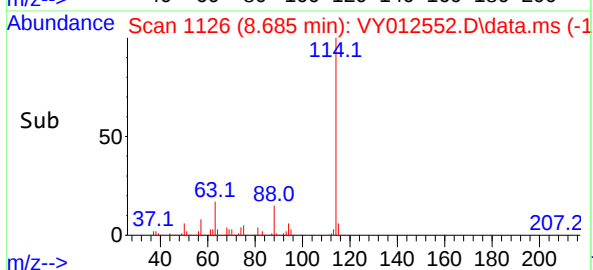
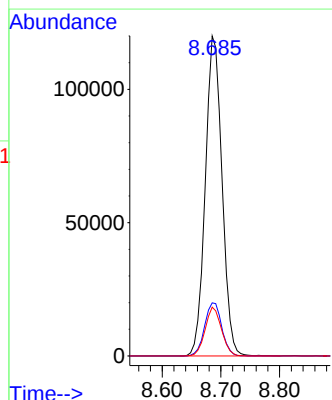
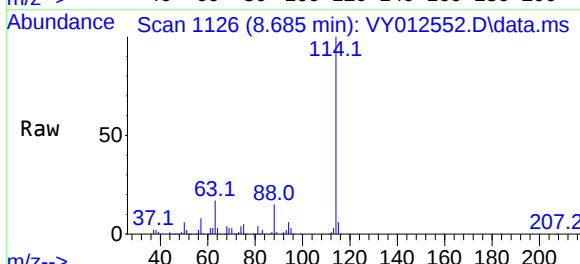
Tgt Ion: 114 Resp: 237528

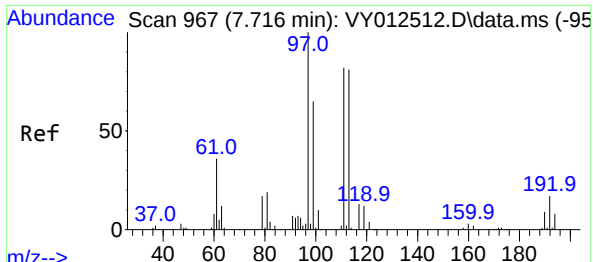
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.6

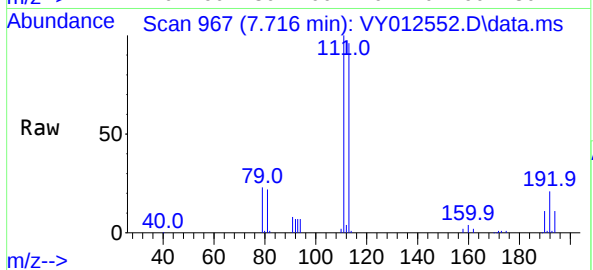
88 15.2 0.0 29.8



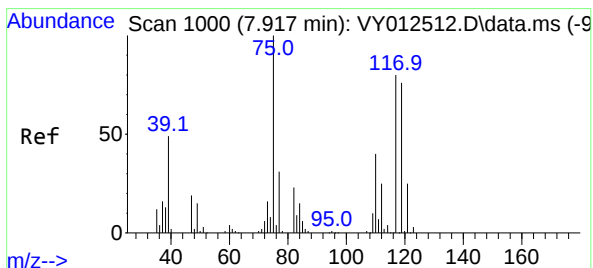
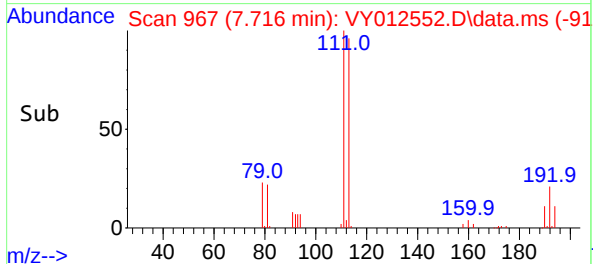
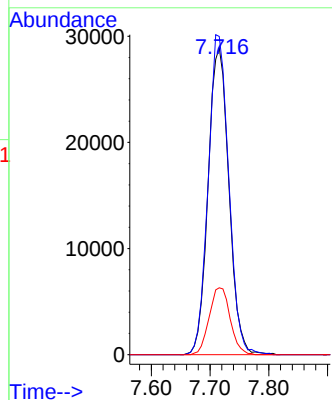


#35
Dibromofluoromethane
Concen: 41.097 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

Instrument :
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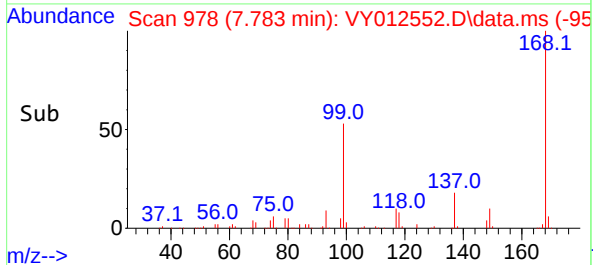
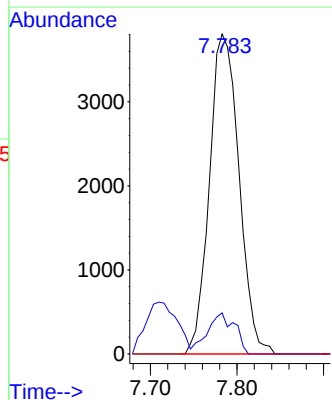
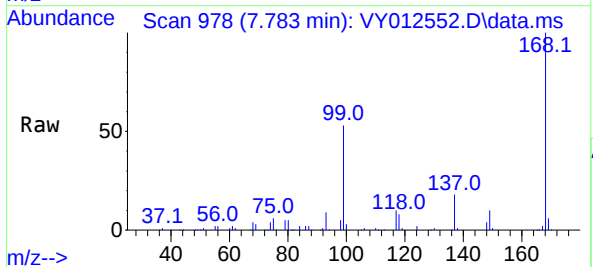


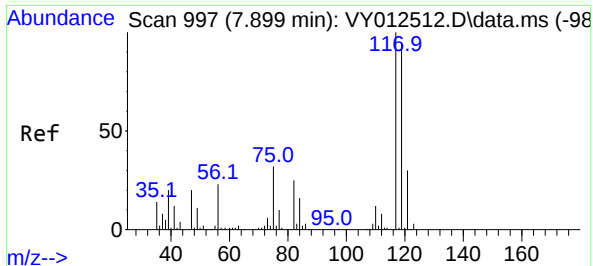
Tgt Ion:113 Resp: 71091
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 22.0 17.5 26.3



#36
1,1-Dichloropropene
Concen: 3.856 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

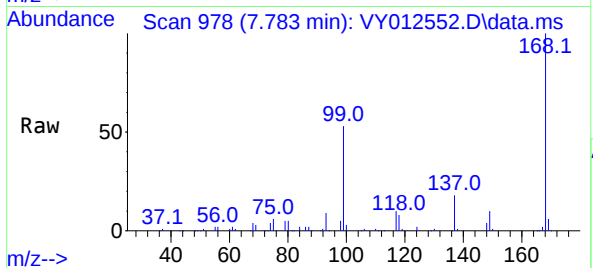
Tgt Ion: 75 Resp: 9027
Ion Ratio Lower Upper
75 100
110 11.9 19.5 58.5#
77 0.0 24.9 37.3#



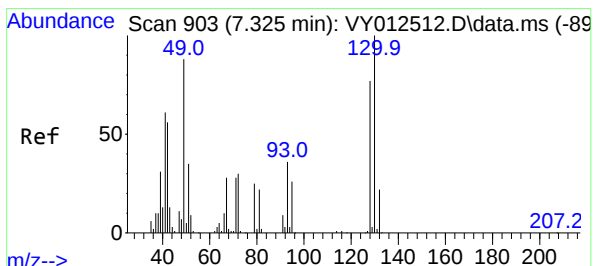
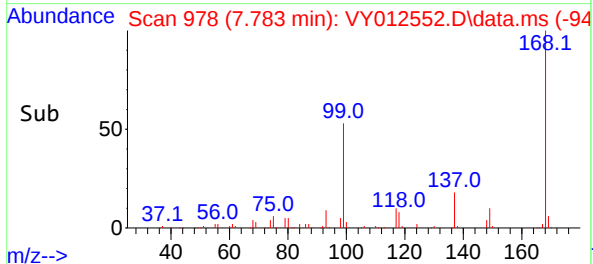
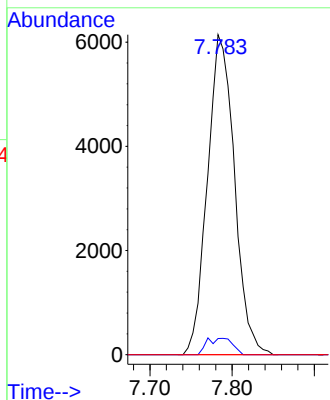


#38
Carbon Tetrachloride
Concen: 4.473 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

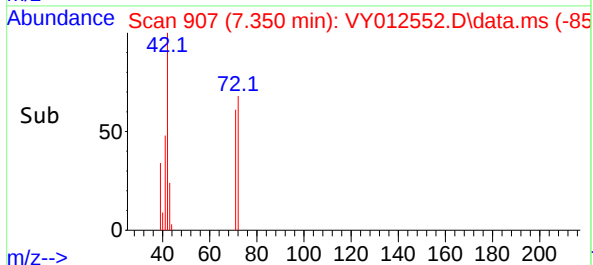
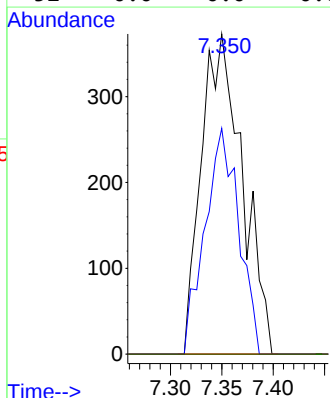
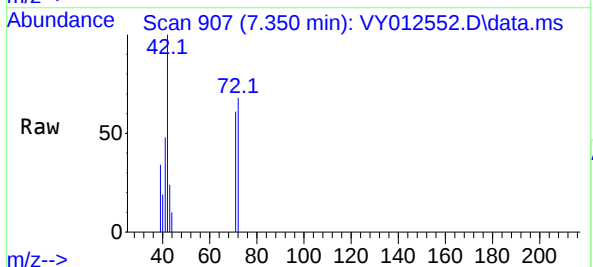


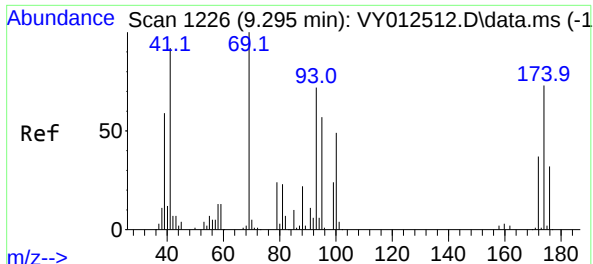
Tgt Ion:117 Resp: 14057
Ion Ratio Lower Upper
117 100
119 5.0 75.1 112.7#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 1.785 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.024 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

Tgt Ion: 41 Resp: 1033
Ion Ratio Lower Upper
41 100
39 58.3 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

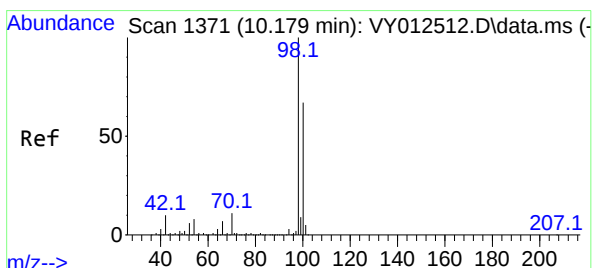
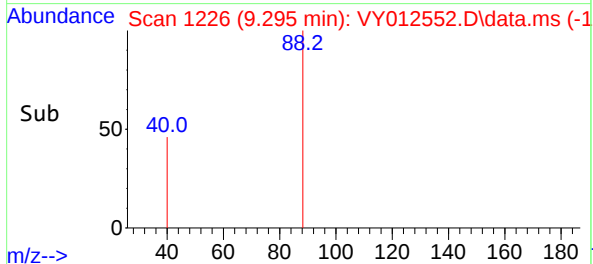
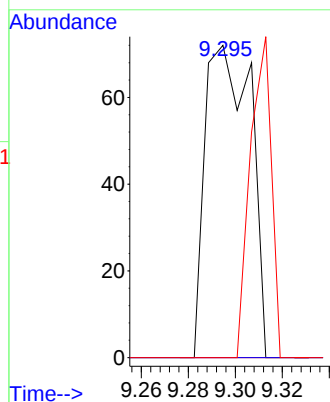
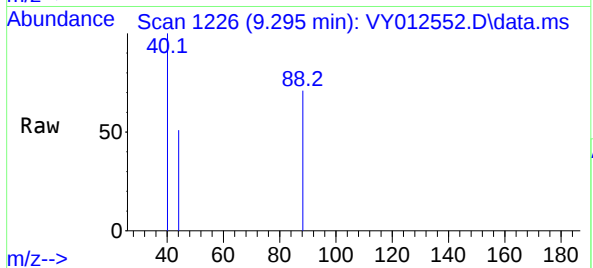




#49
1,4-Dioxane
Concen: 7.078 ug/l
RT: 9.295 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

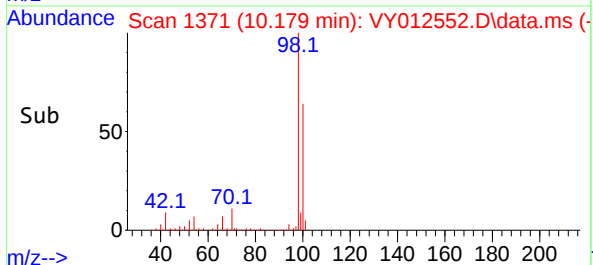
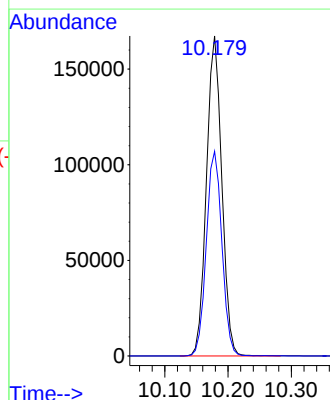
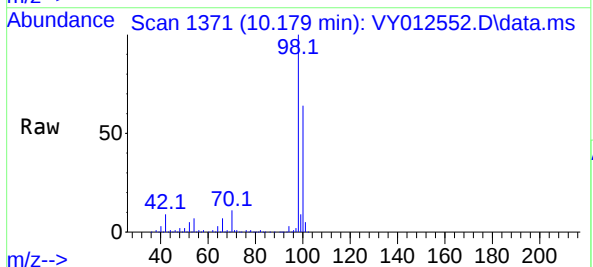
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

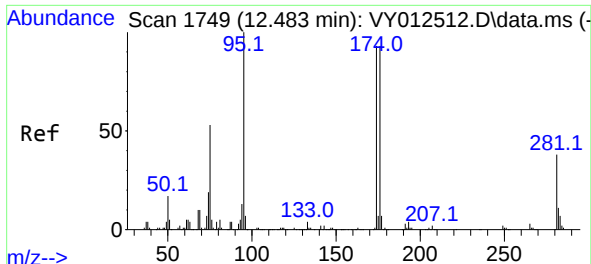
Tgt Ion: 88 Resp: 97
Ion Ratio Lower Upper
88 100
43 0.0 22.6 33.8#
58 47.4 45.4 68.0



#50
Toluene-d8
Concen: 39.191 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

Tgt Ion: 98 Resp: 282174
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2

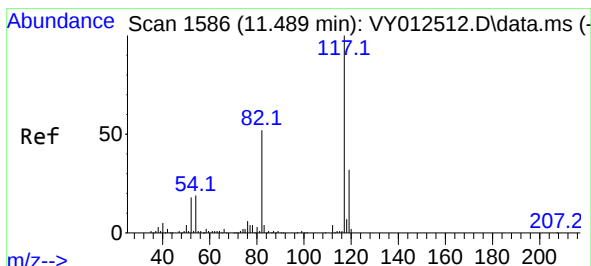
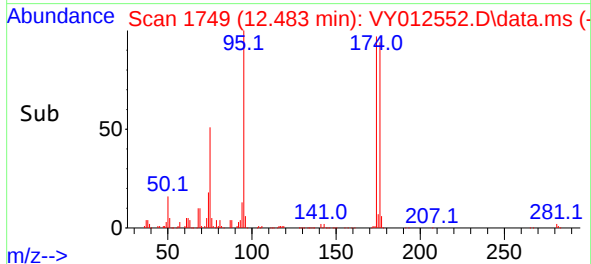
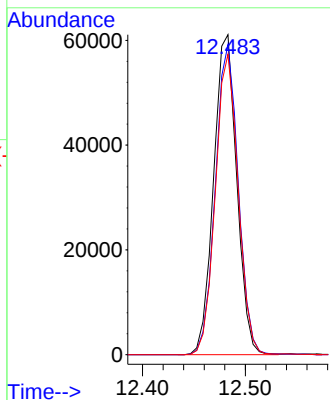
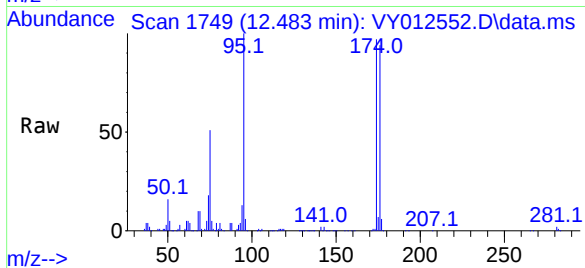




#62
4-Bromofluorobenzene
Concen: 37.973 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

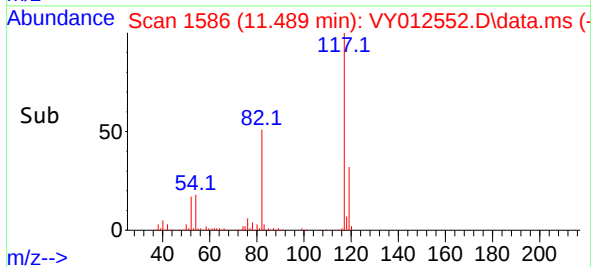
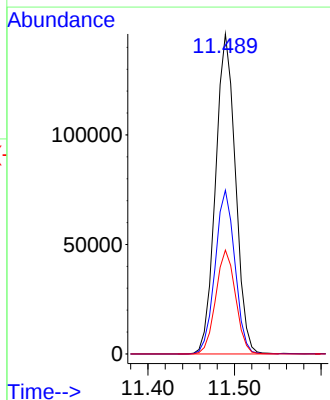
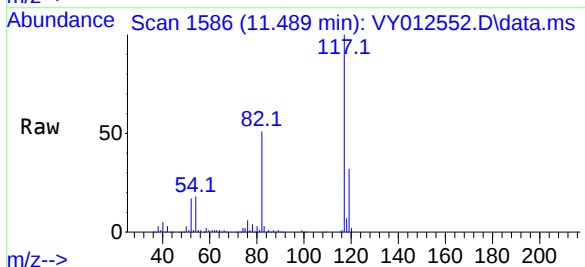
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

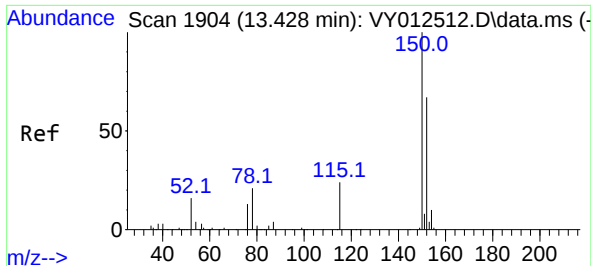
Tgt Ion:	95	Resp:	95364
Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	188.0
176	92.7	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

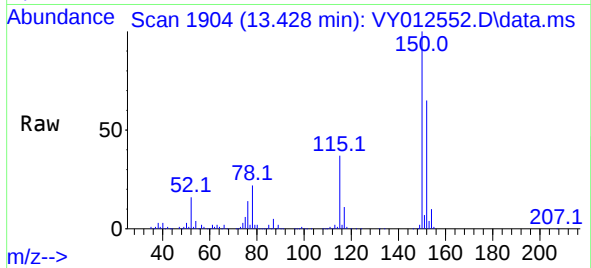
Tgt Ion:	117	Resp:	233485
Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.7	62.5
119	32.5	25.8	38.8



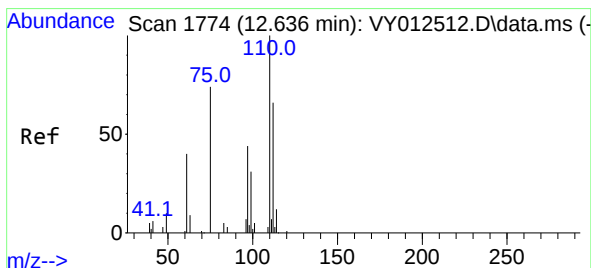
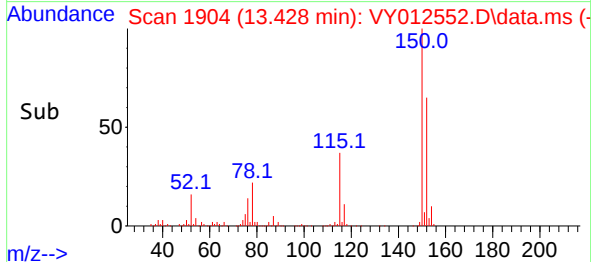
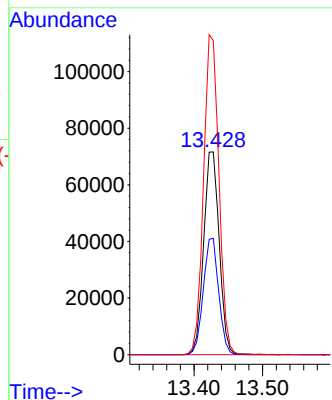


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

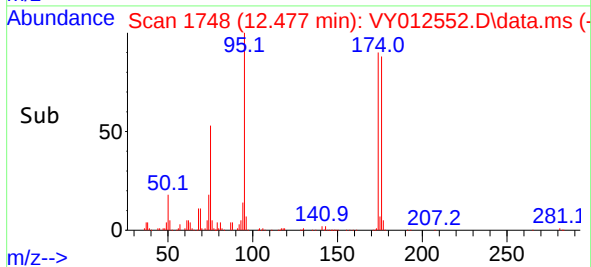
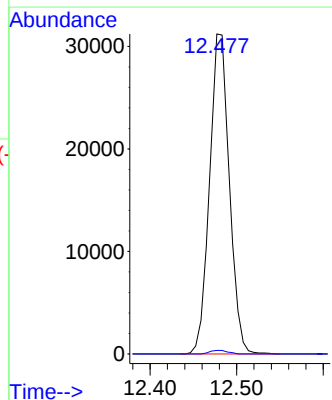
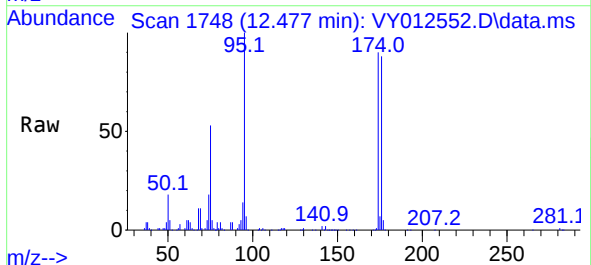


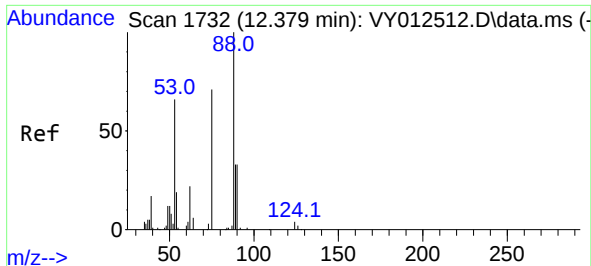
Tgt Ion:152 Resp: 113360
Ion Ratio Lower Upper
152 100
115 56.7 28.1 84.3
150 155.9 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 39.098 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

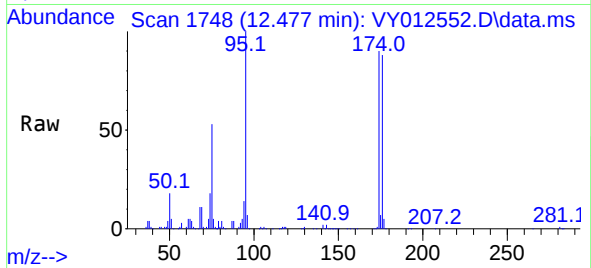
Tgt Ion: 75 Resp: 49517
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 88.167 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY012552.D
Acq: 08 Feb 2023 18:56

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60



Tgt Ion: 75 Resp: 49517
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#

