

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012538.D
 Acq On : 08 Feb 2023 13:28
 Operator : KP/MD
 Sample : 01464-01
 Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-52

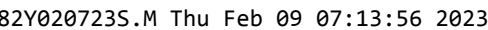
Quant Time: Feb 09 07:13:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

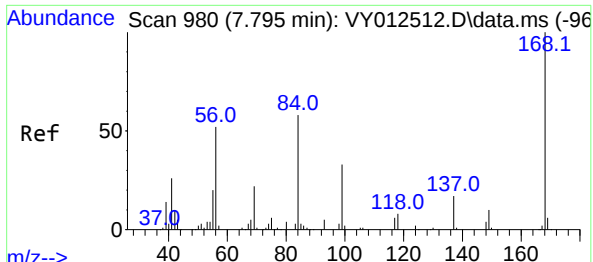
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	158041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	260132	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	264823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	91768	45.663	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.320%
35) Dibromofluoromethane	7.716	113	77983	41.164	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.320%
50) Toluene-d8	10.179	98	313437	39.750	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	79.500%
62) 4-Bromofluorobenzene	12.483	95	114914	41.781	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.560%
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	240	Below Cal		95
14) Allyl chloride	4.198	41	40920	21.331 ug/l	#	67
16) Acetone	3.942	43	614882	1271.205 ug/l		98
18) Methyl Acetate	4.204	43	102496	88.160 ug/l	#	43
20) Methylene Chloride	4.716	84	4413	Below Cal	#	92
29) Tetrahydrofuran	7.350	42	2298	7.921 ug/l		98
31) Cyclohexane	7.783	56	2807	1.208 ug/l	#	42
36) 1,1-Dichloropropene	7.783	75	10225	3.988 ug/l	#	50
38) Carbon Tetrachloride	7.789	117	15482	4.498 ug/l	#	17
41) Methacrylonitrile	7.350	41	1496	2.360 ug/l	#	100
76) 1,2,3-Trichloropropane	12.477	75	59704	41.103 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59704	92.689 ug/l	#	12

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

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Response via : Initial Calibration

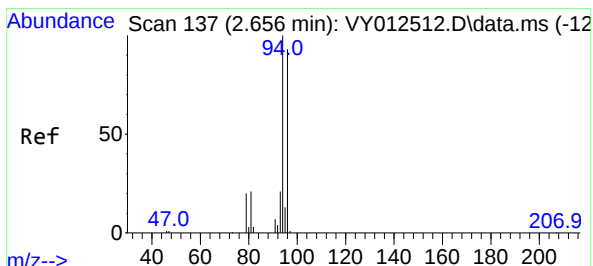
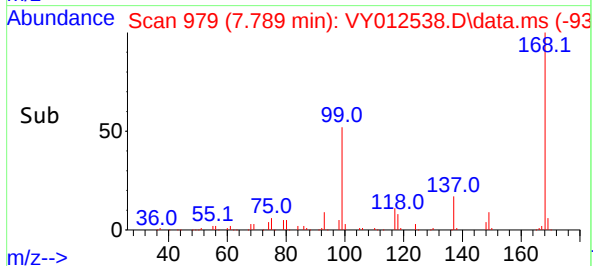
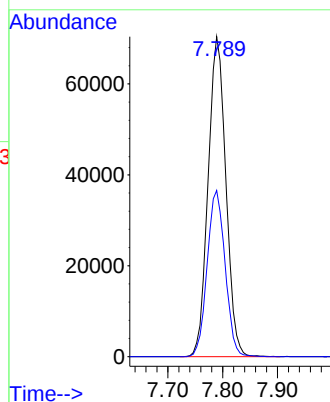
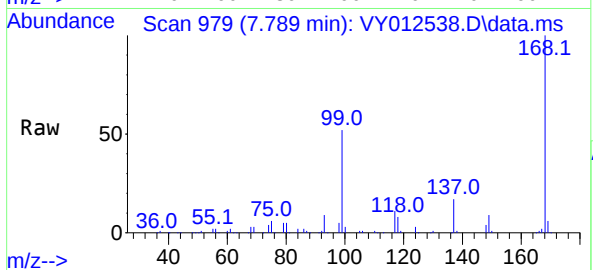




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

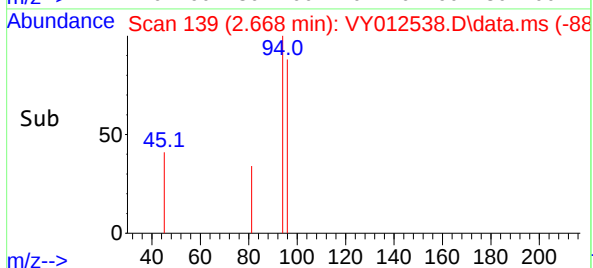
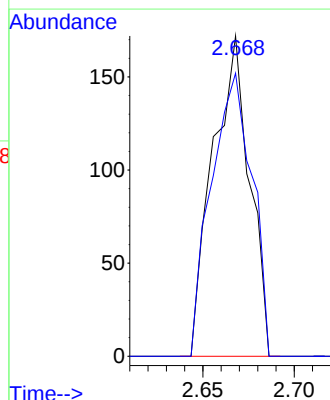
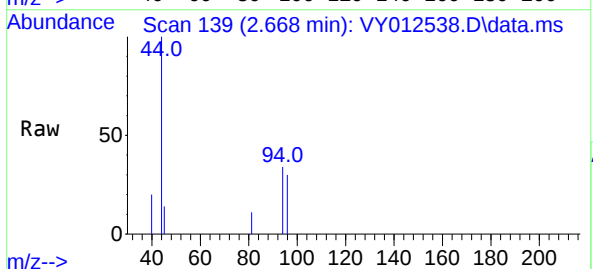
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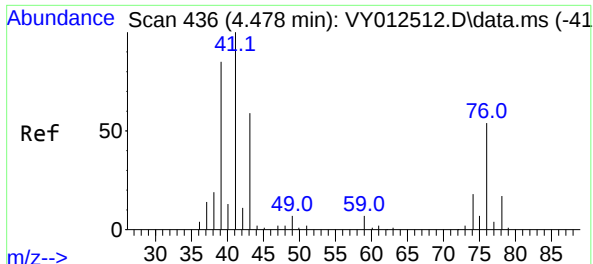
Tgt Ion:168 Resp: 158041
Ion Ratio Lower Upper
168 100
99 51.9 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 88.4 74.7 112.1

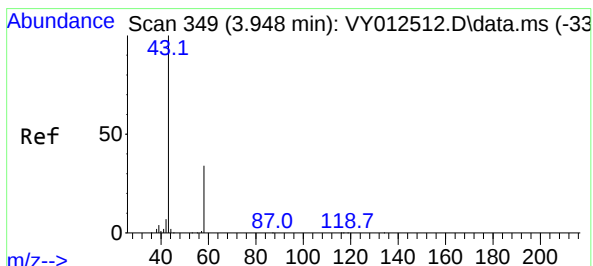
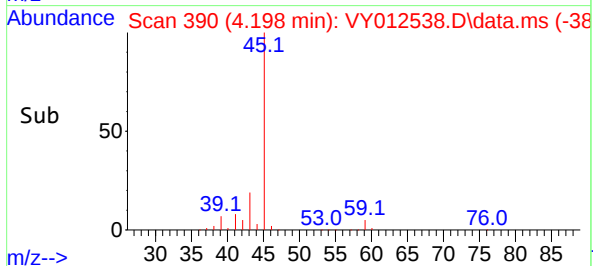
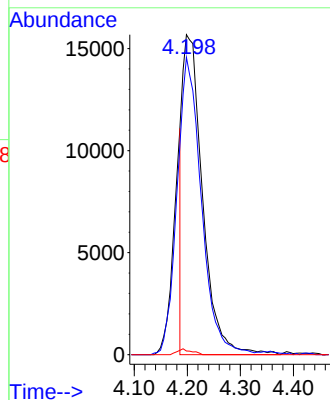
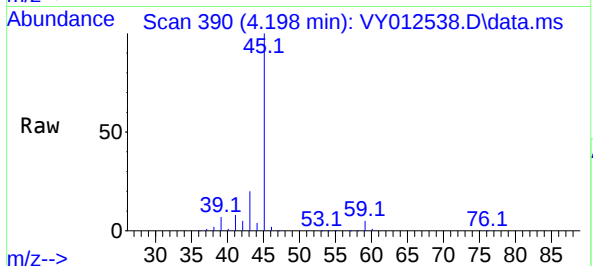




#14
Allyl chloride
Concen: 21.331 ug/l
RT: 4.198 min Scan# 349
Delta R.T. -0.280 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

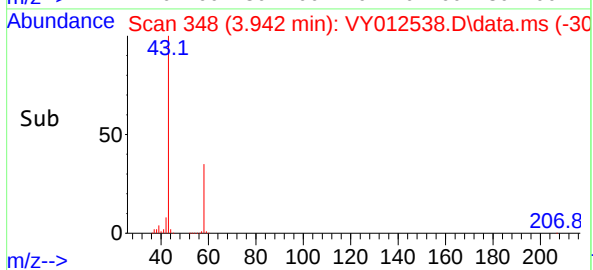
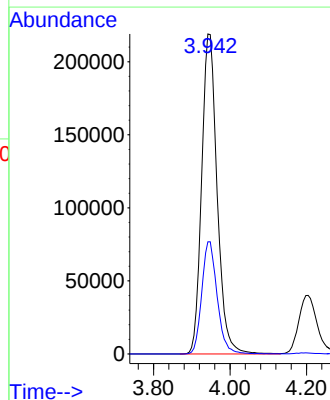
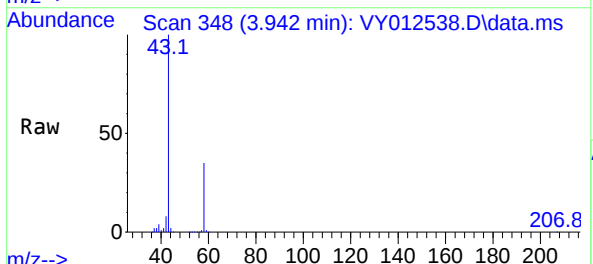
Instrument :
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ClientSampleId :
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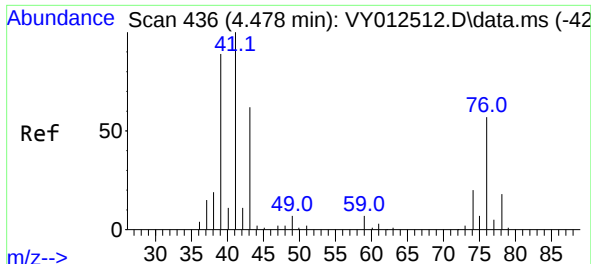
Tgt Ion: 41	Resp: 40920
Ion Ratio	Lower Upper
41	100
39	85.9 62.6 94.0
76	0.0 39.6 59.4#



#16
Acetone
Concen: 1271.205 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

Tgt Ion: 43	Resp: 614882
Ion Ratio	Lower Upper
43	100
58	35.0 27.1 40.7

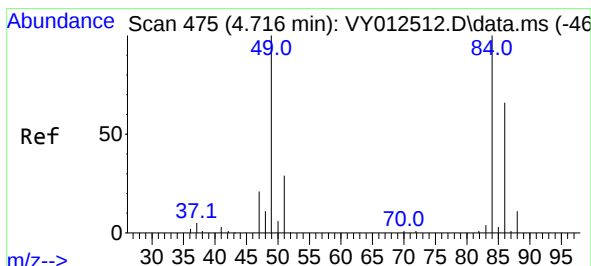
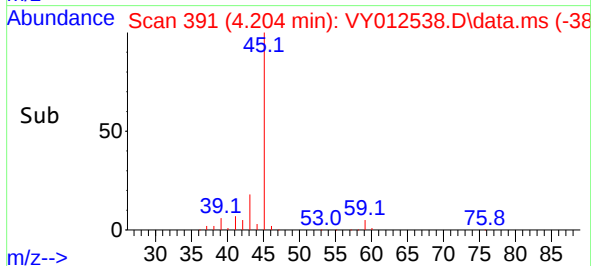
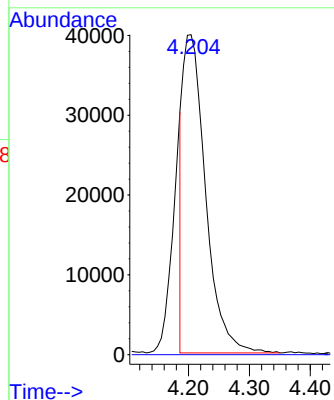
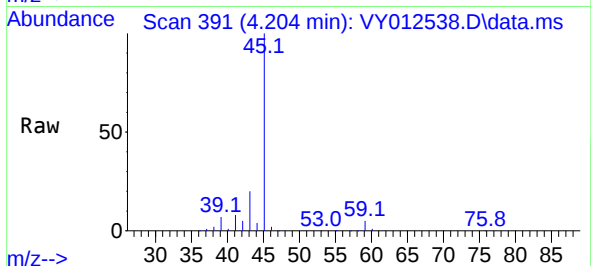




#18
Methyl Acetate
Concen: 88.160 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.274 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

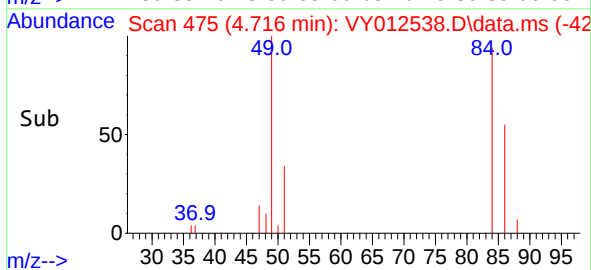
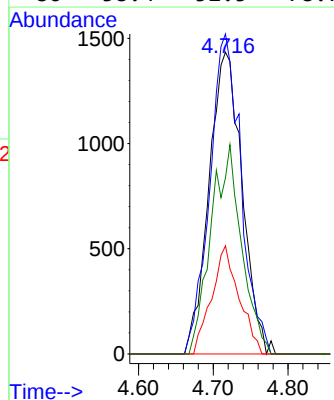
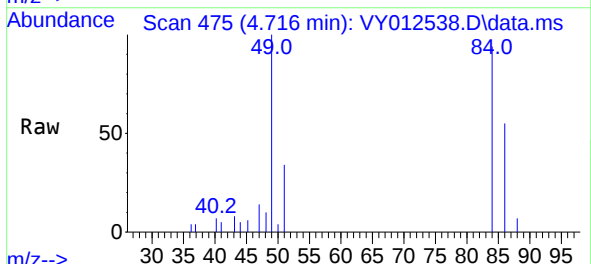
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-52

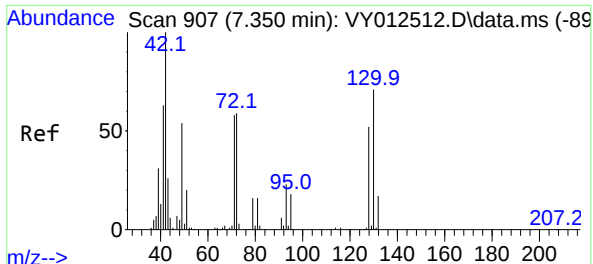
Tgt Ion: 43 Resp: 102496
Ion Ratio Lower Upper
43 100
74 0.0 25.6 38.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

Tgt Ion: 84 Resp: 4413
Ion Ratio Lower Upper
84 100
49 106.1 79.8 119.6
51 35.8 23.4 35.2#
86 58.4 52.5 78.7

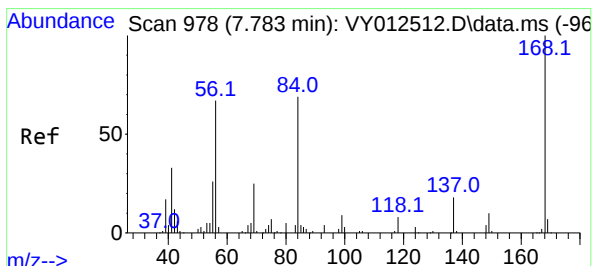
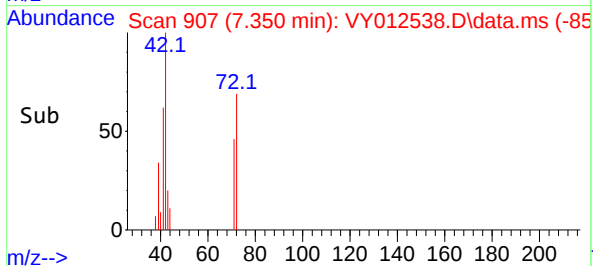
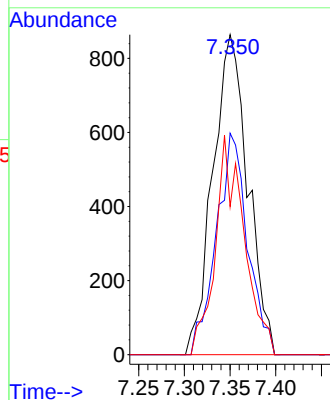
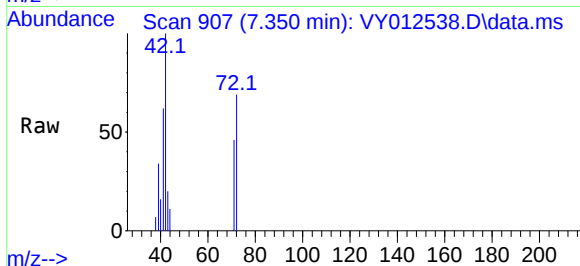




#29
Tetrahydrofuran
Concen: 7.921 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

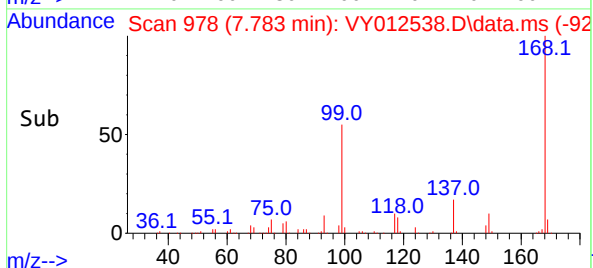
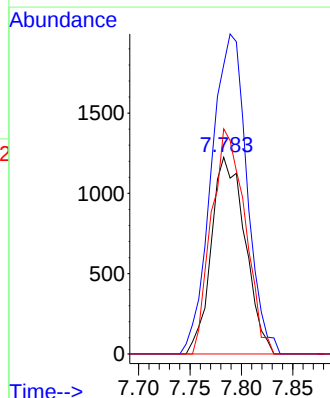
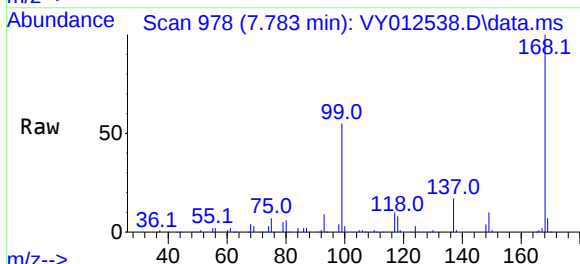
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-52

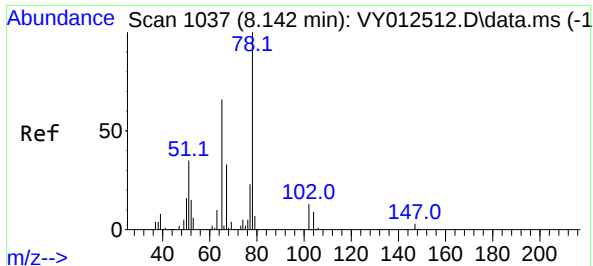
Tgt Ion:	42	Resp:	2298
Ion	Ratio	Lower	Upper
42	100		
72	61.9	47.0	70.6
71	56.1	44.6	66.8



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.000 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

Tgt Ion:	56	Resp:	2807
Ion	Ratio	Lower	Upper
56	100		
69	147.0	29.5	44.3#
84	114.4	81.9	122.9





#33

1,2-Dichloroethane-d4

Concen: 45.663 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY012538.D

Acq: 08 Feb 2023 13:28

Instrument :

MSVOA_Y

ClientSampleId :

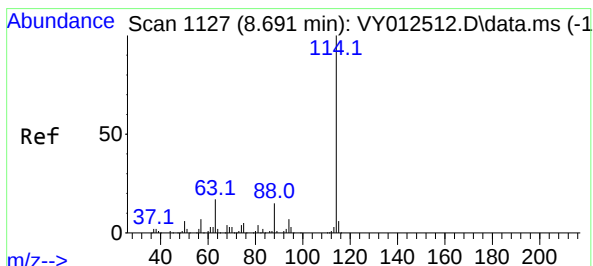
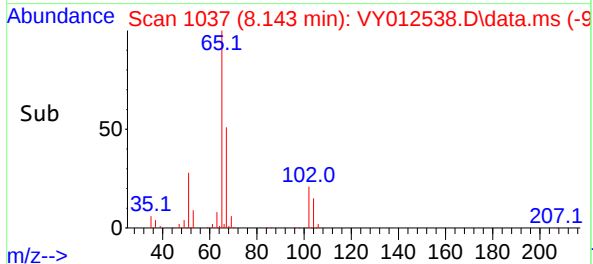
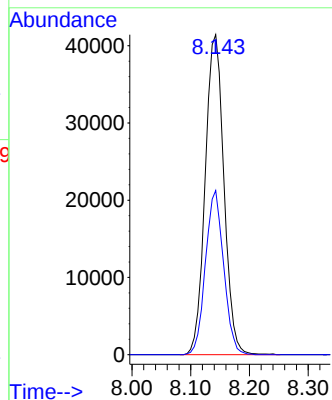
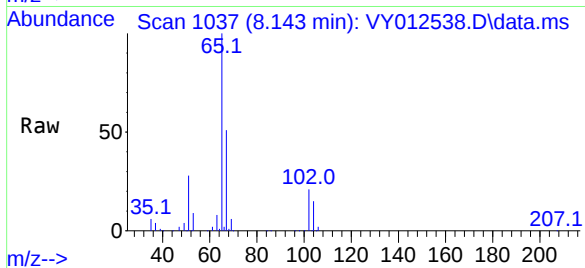
TOT-VOC-GRAB-52

Tgt Ion: 65 Resp: 91768

Ion Ratio Lower Upper

65 100

67 49.8 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: VY012538.D

Acq: 08 Feb 2023 13:28

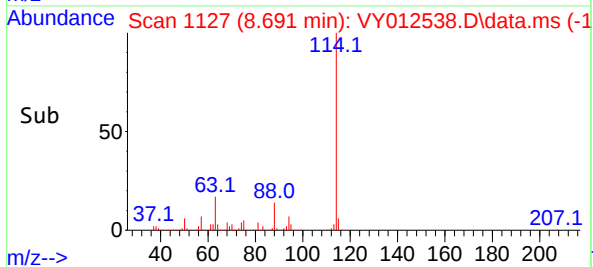
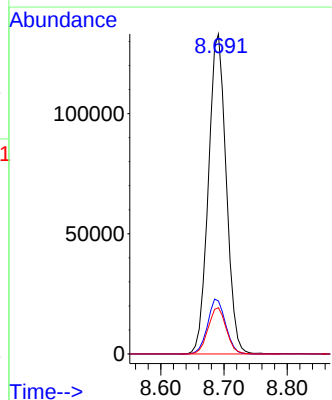
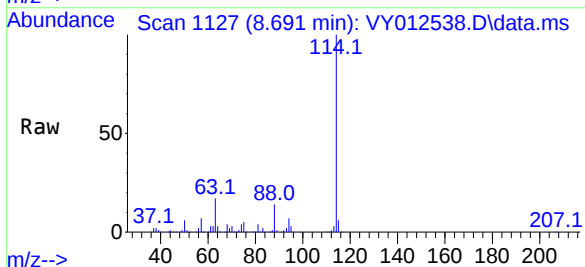
Tgt Ion: 114 Resp: 260132

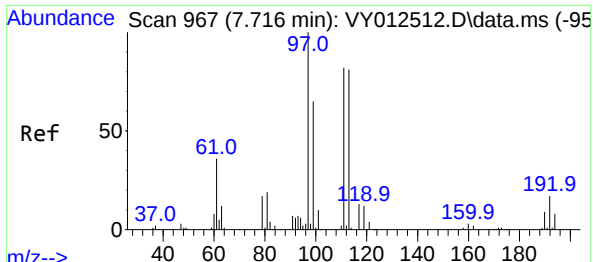
Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.6

88 14.4 0.0 29.8

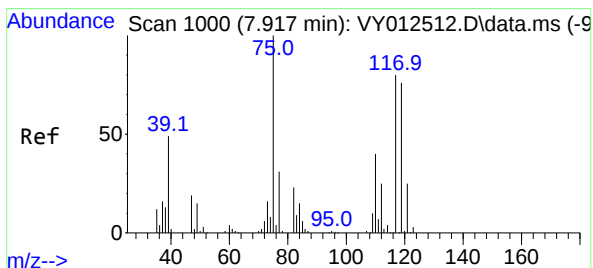
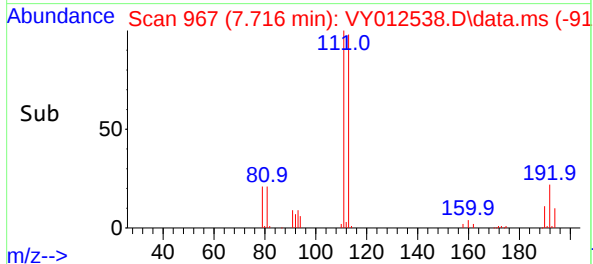
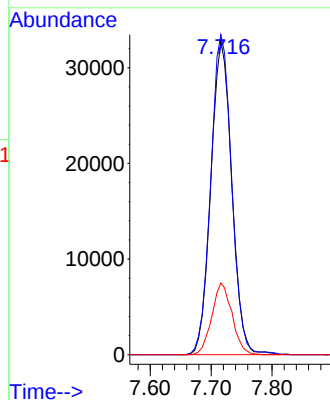
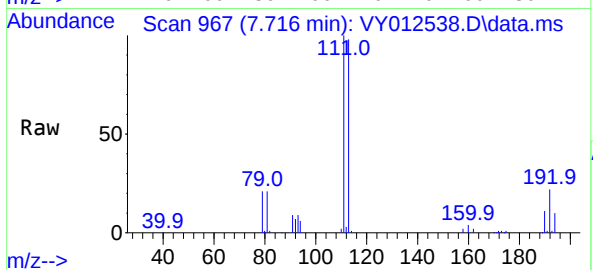




#35
Dibromofluoromethane
Concen: 41.164 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

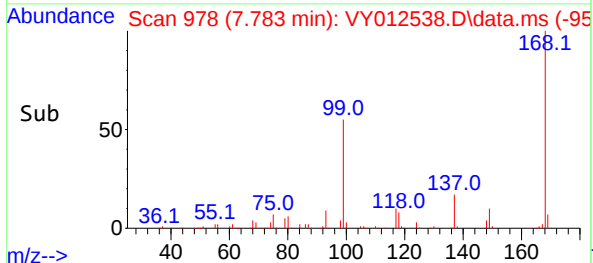
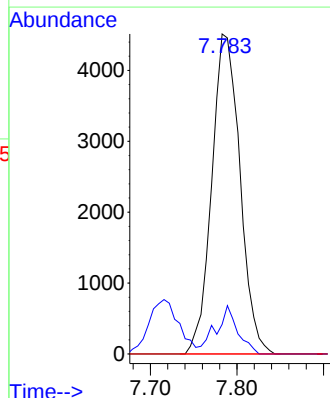
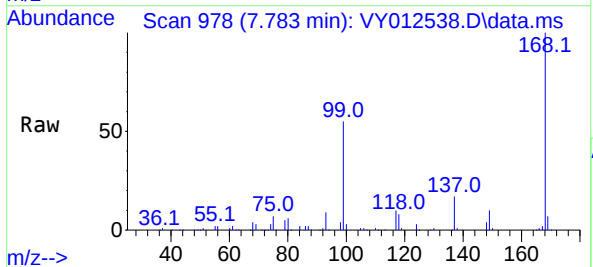
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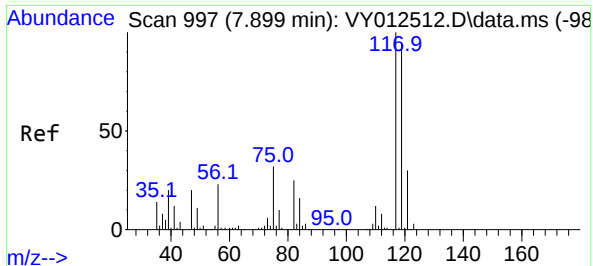
Tgt Ion:113 Resp: 77983
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 22.2 17.5 26.3



#36
1,1-Dichloropropene
Concen: 3.988 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

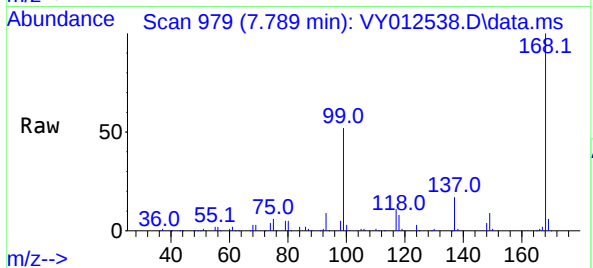
Tgt Ion: 75 Resp: 10225
Ion Ratio Lower Upper
75 100
110 11.8 19.5 58.5#
77 0.0 24.9 37.3#



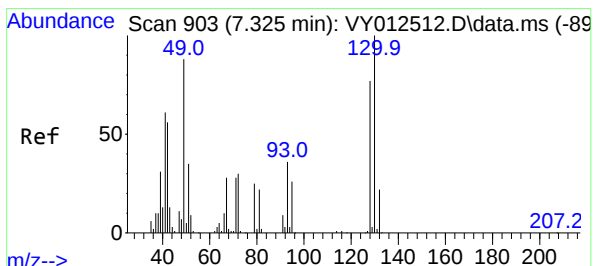
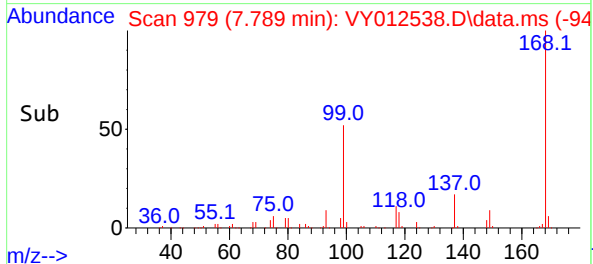
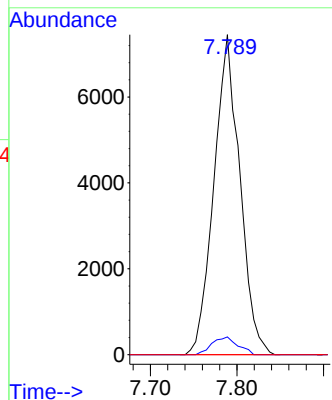


#38
Carbon Tetrachloride
Concen: 4.498 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-52

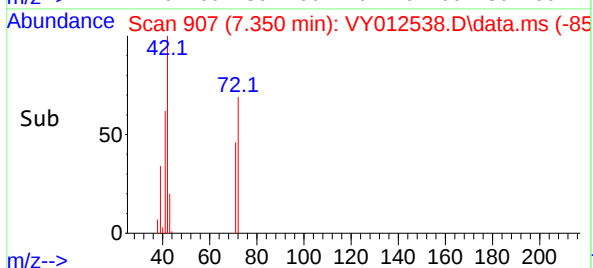
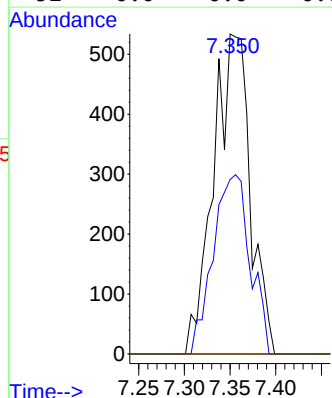
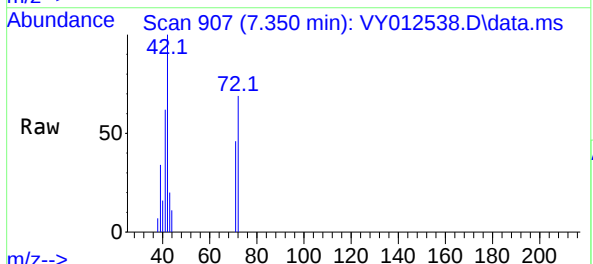


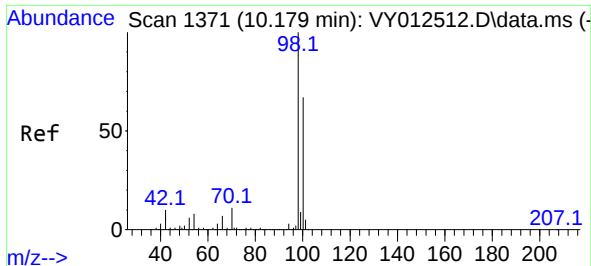
Tgt Ion:117 Resp: 15482
Ion Ratio Lower Upper
117 100
119 5.5 75.1 112.7#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 2.360 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.024 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

Tgt Ion: 41 Resp: 1496
Ion Ratio Lower Upper
41 100
39 56.4 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

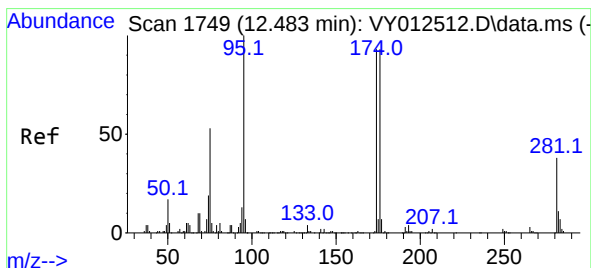
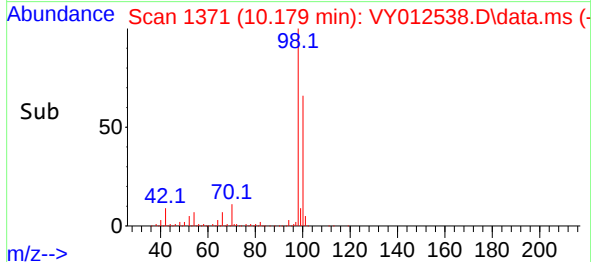
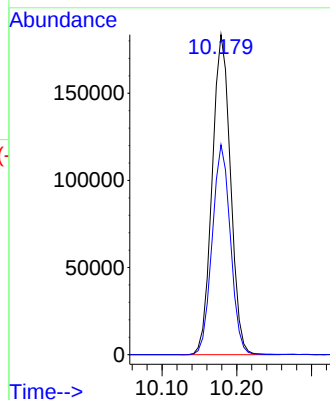
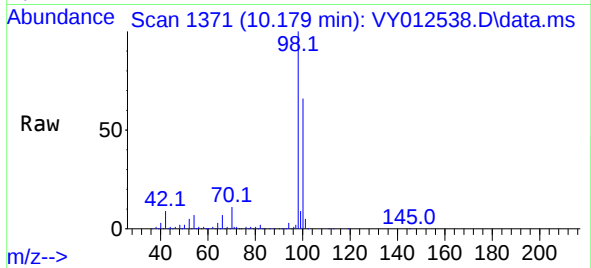




#50
Toluene-d8
Concen: 39.750 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

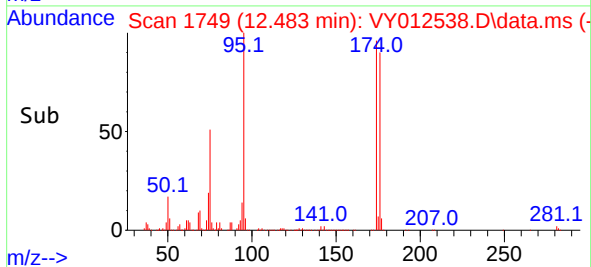
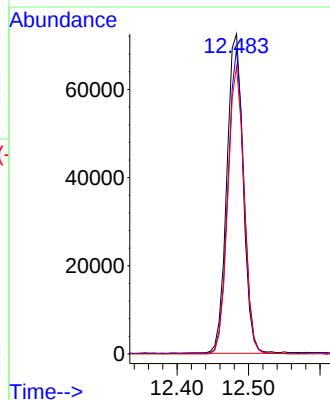
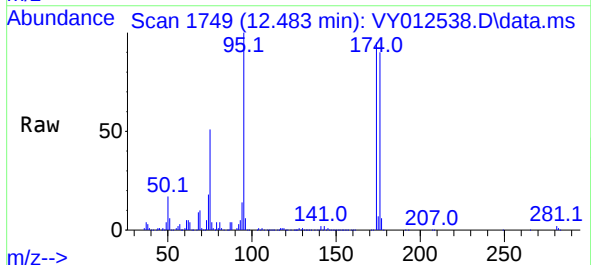
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-52

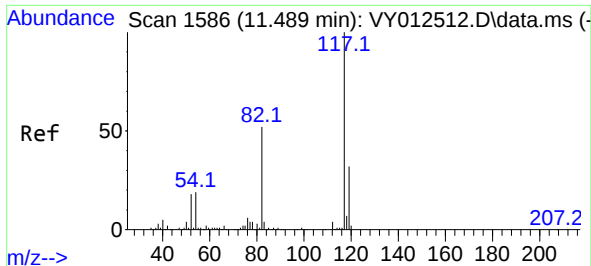
Tgt Ion: 98 Resp: 313437
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 41.781 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

Tgt Ion: 95 Resp: 114914
Ion Ratio Lower Upper
95 100
174 93.4 0.0 188.0
176 89.3 0.0 183.6

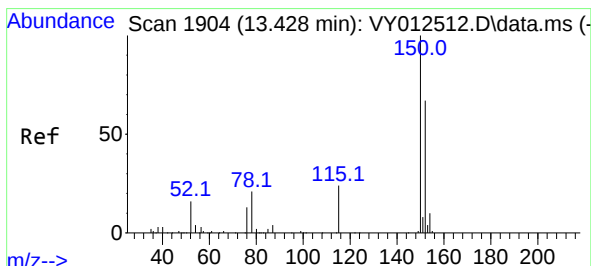
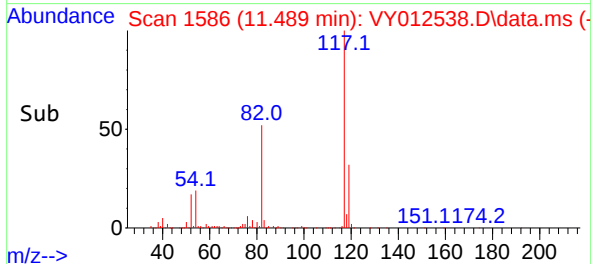
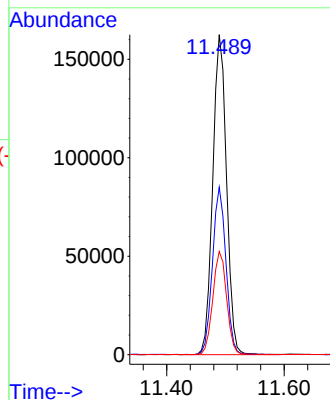
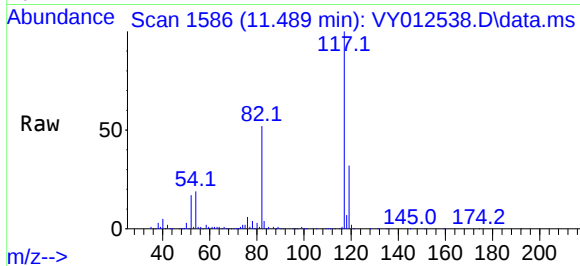




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

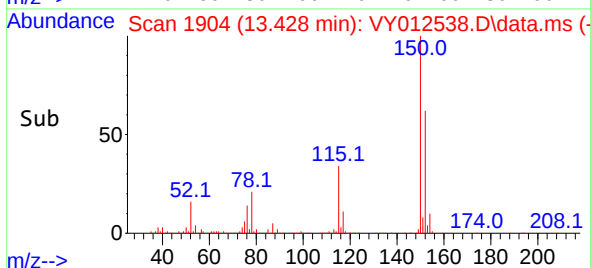
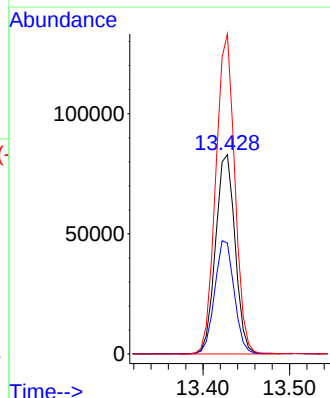
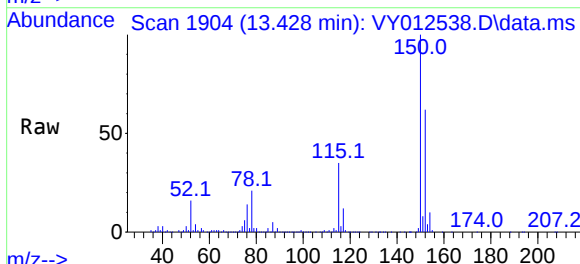
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-52

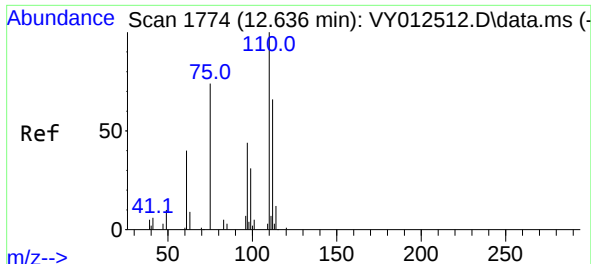
Tgt Ion:117 Resp: 264823
Ion Ratio Lower Upper
117 100
82 52.3 41.7 62.5
119 32.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

Tgt Ion:152 Resp: 130013
Ion Ratio Lower Upper
152 100
115 56.7 28.1 84.3
150 156.8 0.0 351.0

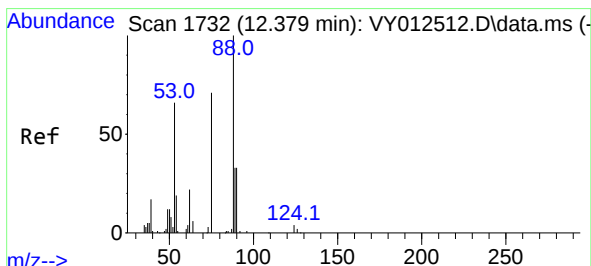
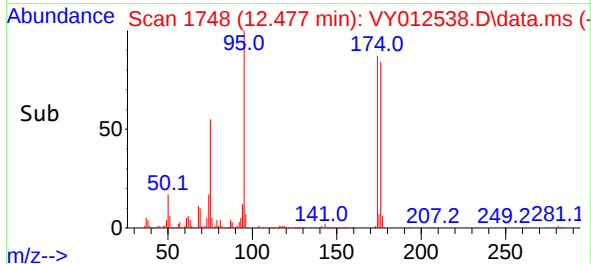
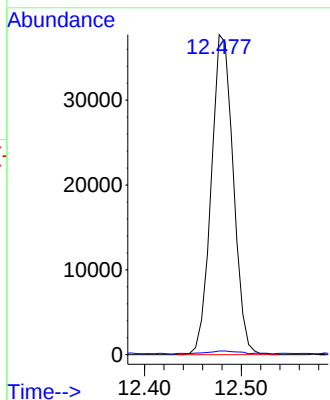
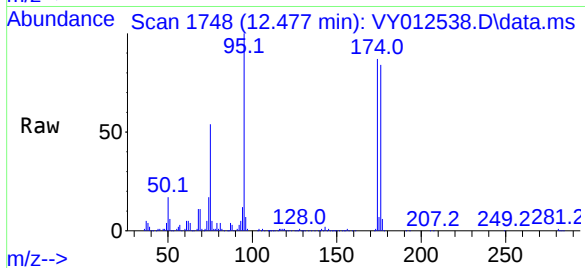




#76
1,2,3-Trichloropropane
Concen: 41.103 ug/l
RT: 12.477 min Scan# 1774
Delta R.T. -0.158 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-52

Tgt Ion: 75 Resp: 59704
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.689 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

Tgt Ion: 75 Resp: 59704
Ion Ratio Lower Upper
75 100
53 0.4 73.1 109.7#
89 0.1 39.9 59.9#

