

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012546.D
 Acq On : 08 Feb 2023 16:36
 Operator : KP/MD
 Sample : 01462-20
 Misc : 4.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Feb 09 07:15:09 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	3651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	5504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	5152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1295	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	1969	42.411	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.820%
35) Dibromofluoromethane	7.704	113	485	12.100	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	24.200%#
50) Toluene-d8	10.179	98	6457	38.702	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.400%
62) 4-Bromofluorobenzene	12.483	95	1673	28.749	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	57.500%

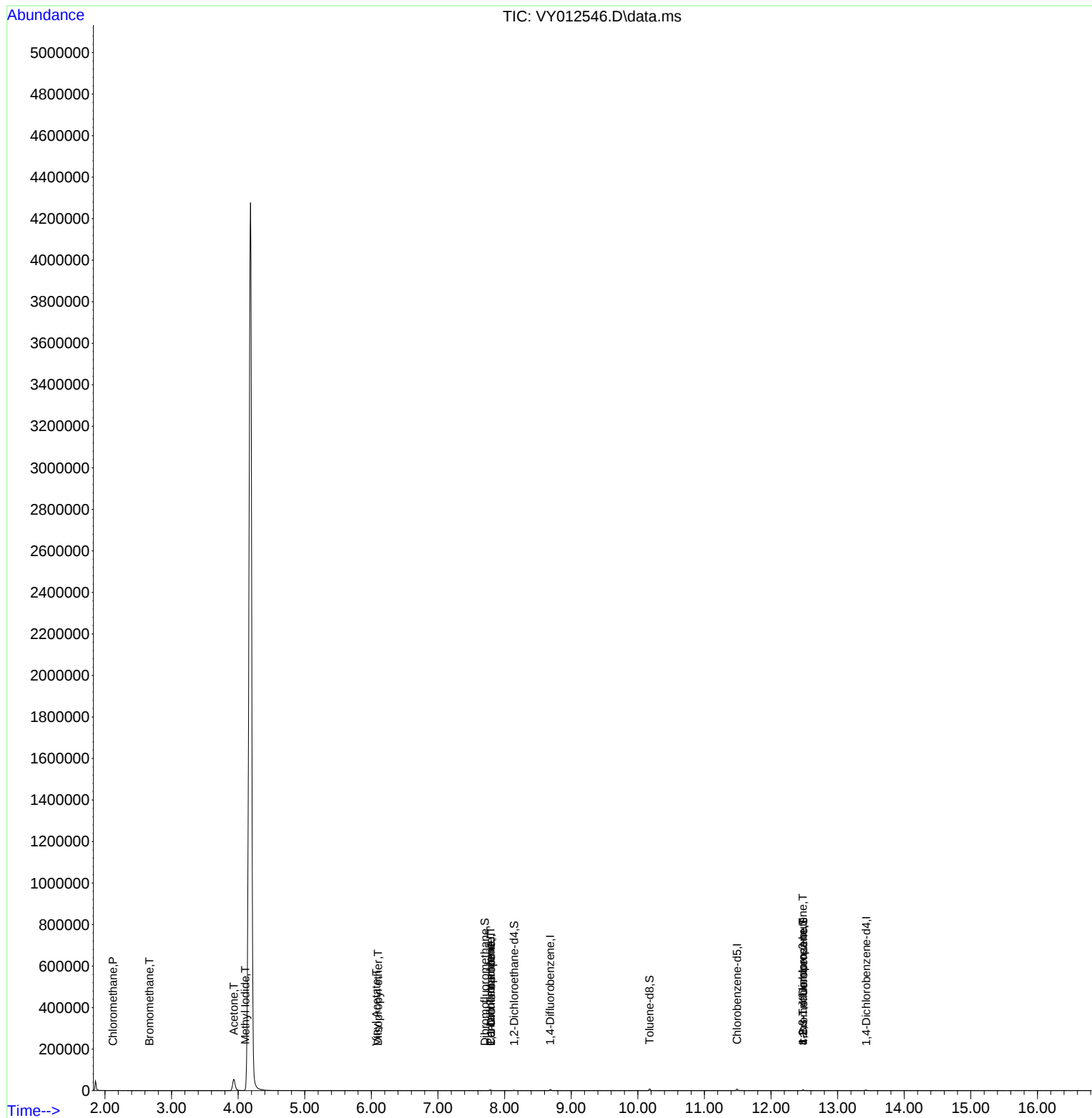
Target Compounds						Qvalue
3) Chloromethane	2.119	50	43	1.512	ug/l #	42
5) Bromomethane	2.668	94	147	2.968	ug/l #	68
10) Methyl Iodide	4.107	142	444	9.311	ug/l #	74
16) Acetone	3.936	43	96150	8604.606	ug/l	100
22) Diisopropyl ether	6.100	45	357	3.962	ug/l #	82
23) Vinyl Acetate	6.076	43	91	1.675	ug/l #	65
36) 1,1-Dichloropropene	7.795	75	106	1.954	ug/l #	39
38) Carbon Tetrachloride	7.789	117	328	4.504	ug/l #	13
76) 1,2,3-Trichloropropane	12.477	75	691	47.760	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	691	107.701	ug/l #	12

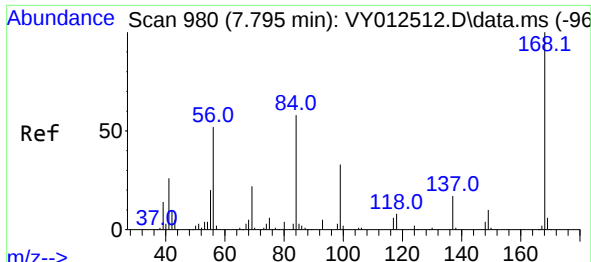
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 08 01:09:03 2023
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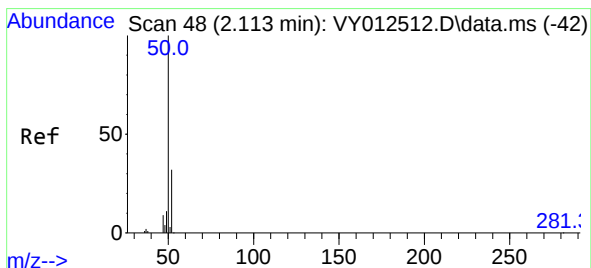
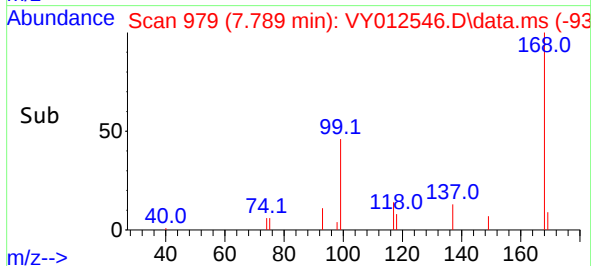
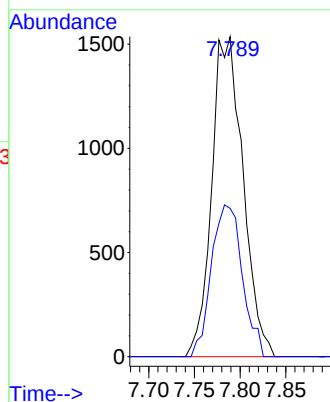
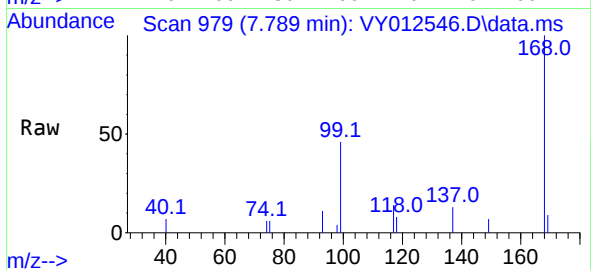




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012546.D
Acq: 08 Feb 2023 16:36

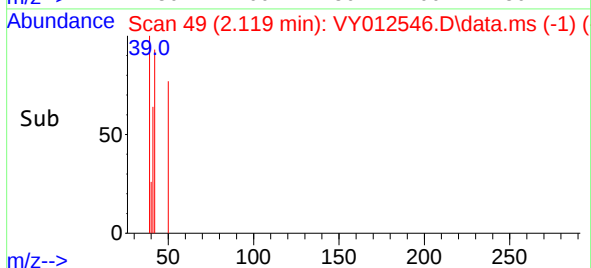
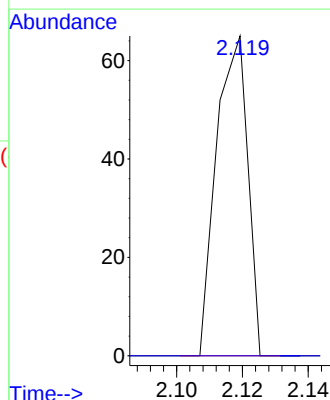
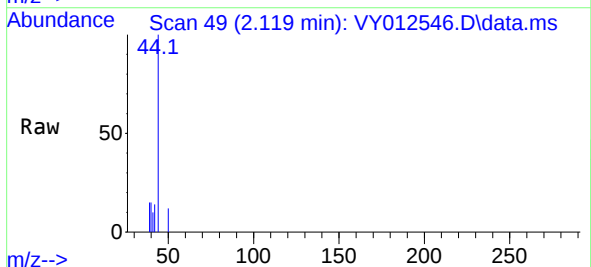
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-20

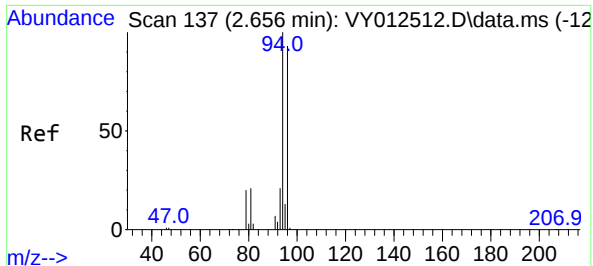
Tgt Ion:168 Resp: 3651
Ion Ratio Lower Upper
168 100
99 46.4 40.8 61.2



#3
Chloromethane
Concen: 1.512 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012546.D
Acq: 08 Feb 2023 16:36

Tgt Ion: 50 Resp: 43
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

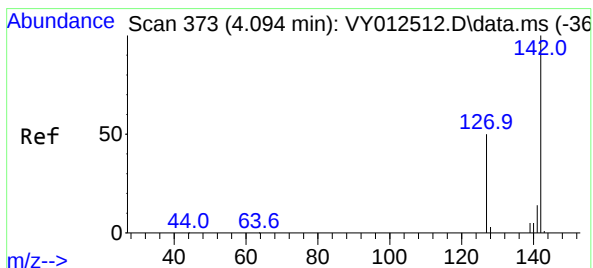
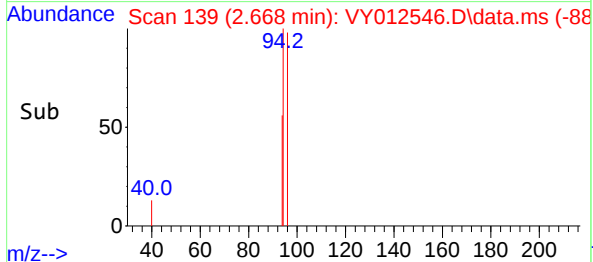
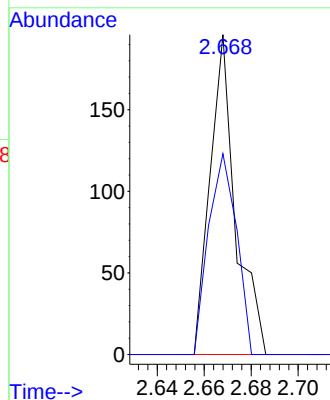
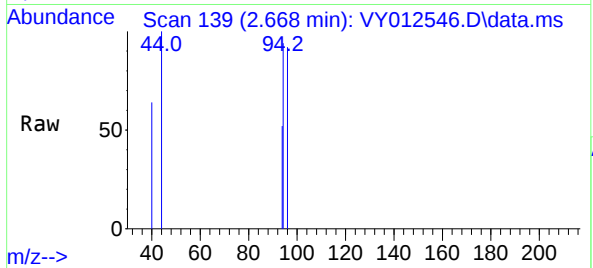




#5
Bromomethane
Concen: 2.968 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY012546.D
Acq: 08 Feb 2023 16:36

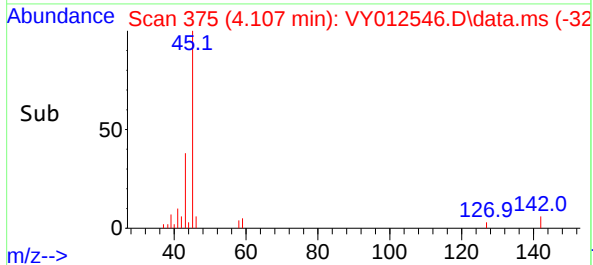
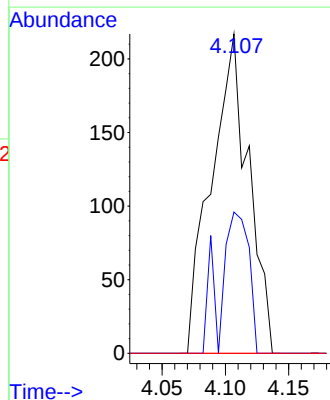
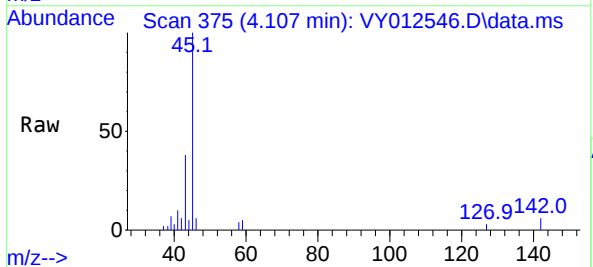
Instrument :
MSVOA_Y
ClientSampleId :
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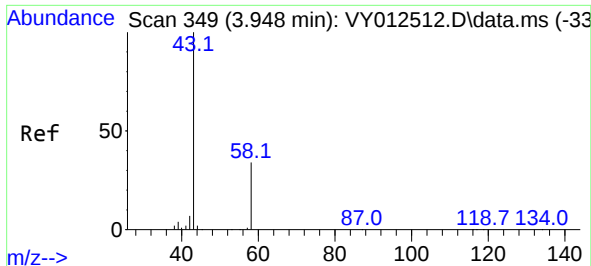
Tgt Ion: 94 Resp: 147
Ion Ratio Lower Upper
94 100
96 62.8 74.7 112.1#



#10
Methyl Iodide
Concen: 9.311 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.013 min
Lab File: VY012546.D
Acq: 08 Feb 2023 16:36

Tgt Ion: 142 Resp: 444
Ion Ratio Lower Upper
142 100
127 34.0 39.8 59.6#
141 0.0 11.6 17.4#

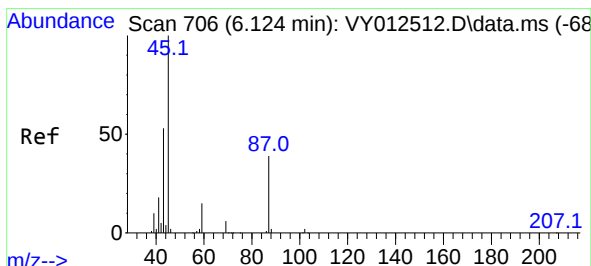
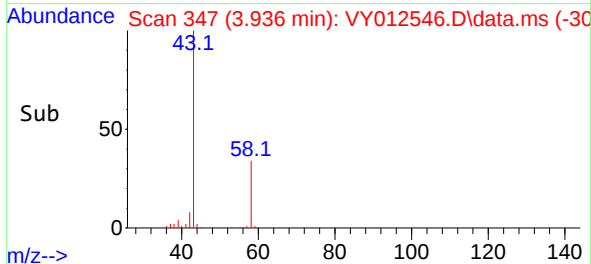
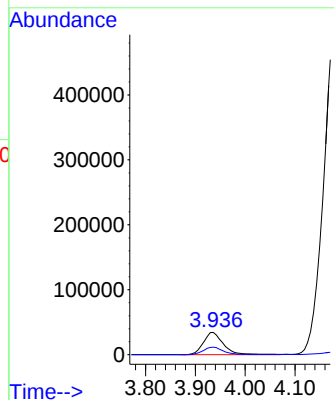
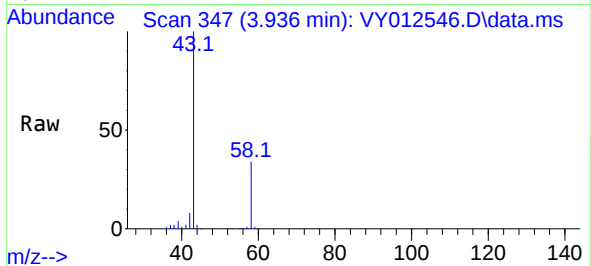




#16
Acetone
Concen: 8604.606 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY012546.D
Acq: 08 Feb 2023 16:36

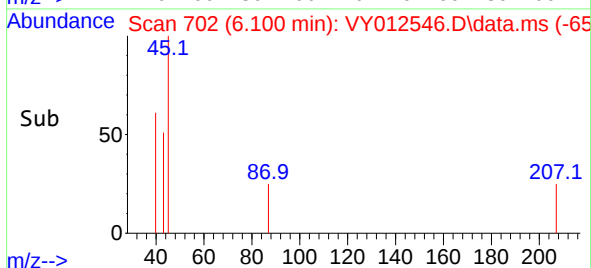
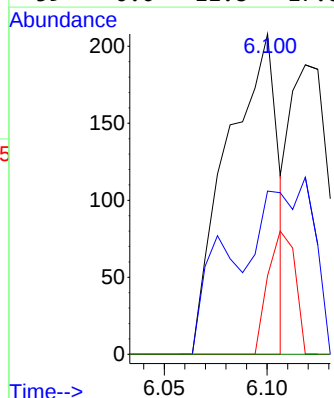
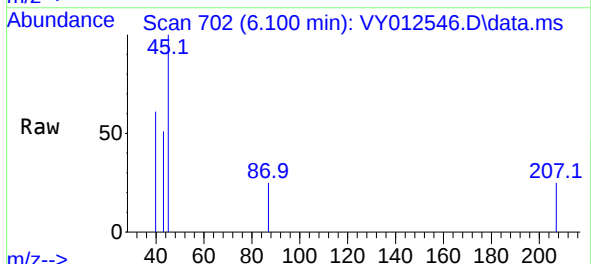
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-20

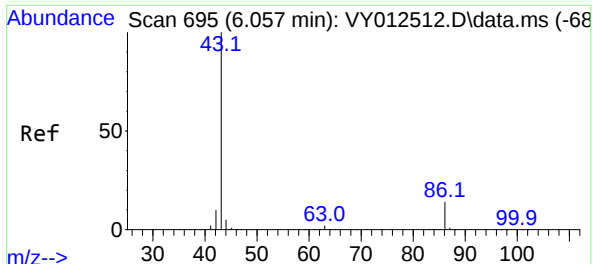
Tgt Ion: 43 Resp: 96150
Ion Ratio Lower Upper
43 100
58 34.0 27.1 40.7



#22
Diisopropyl ether
Concen: 3.962 ug/l
RT: 6.100 min Scan# 702
Delta R.T. -0.024 min
Lab File: VY012546.D
Acq: 08 Feb 2023 16:36

Tgt Ion: 45 Resp: 357
Ion Ratio Lower Upper
45 100
43 51.0 45.9 68.9
87 24.5 32.2 48.4#
59 0.0 11.8 17.8#

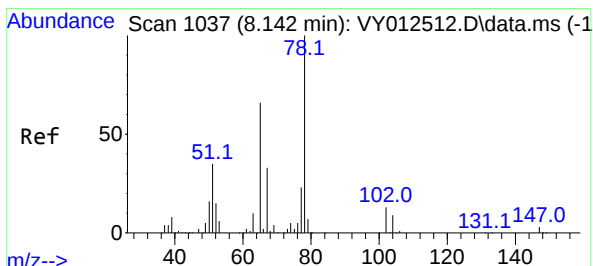
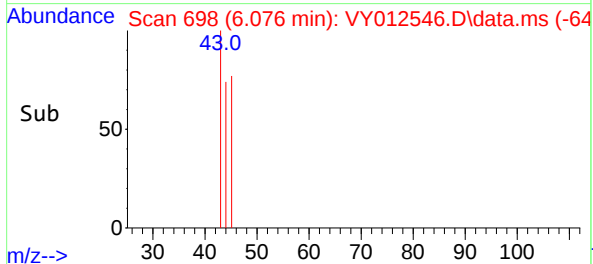
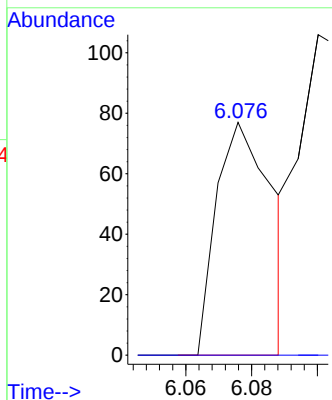
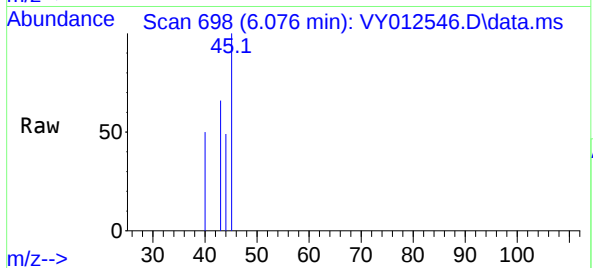




#23
 Vinyl Acetate
 Concen: 1.675 ug/l
 RT: 6.076 min Scan# 695
 Delta R.T. 0.018 min
 Lab File: VY012546.D
 Acq: 08 Feb 2023 16:36

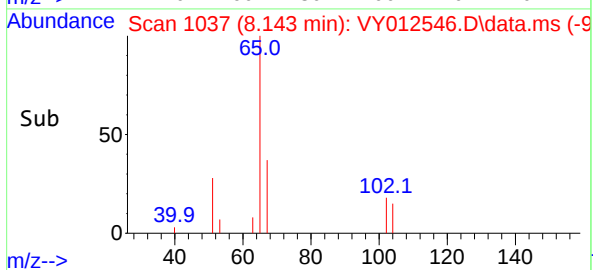
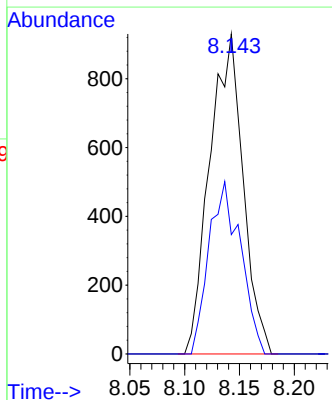
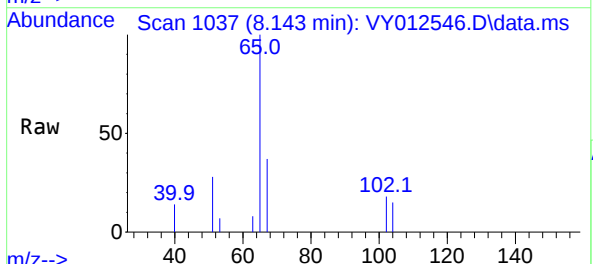
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-20

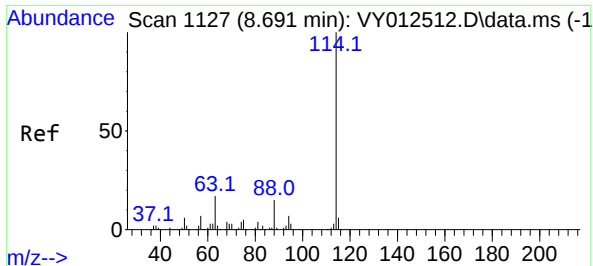
Tgt Ion: 43 Resp: 91
 Ion Ratio Lower Upper
 43 100
 86 0.0 11.5 17.3#



#33
 1,2-Dichloroethane-d4
 Concen: 42.411 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY012546.D
 Acq: 08 Feb 2023 16:36

Tgt Ion: 65 Resp: 1969
 Ion Ratio Lower Upper
 65 100
 67 51.0 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: VY012546.D

Acq: 08 Feb 2023 16:36

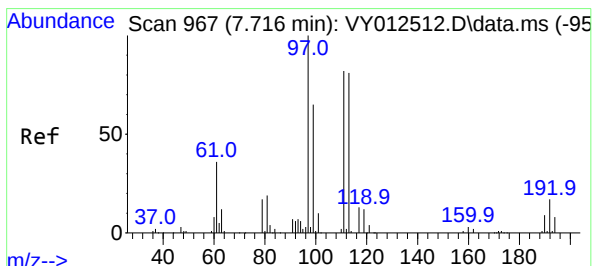
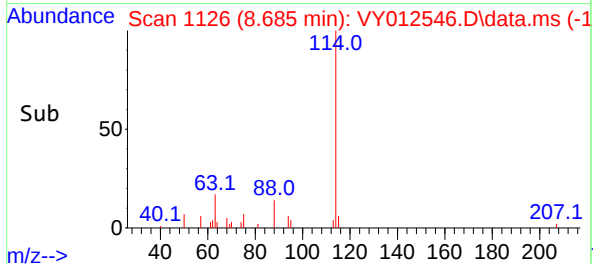
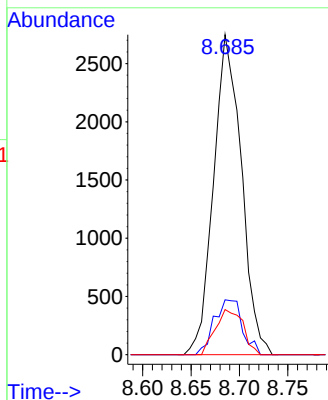
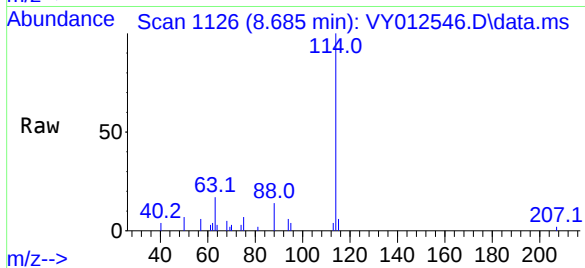
Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-20

Tgt Ion:	114	Resp:	5504
Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	33.6
88	14.1	0.0	29.8



#35

Dibromofluoromethane

Concen: 12.100 ug/l

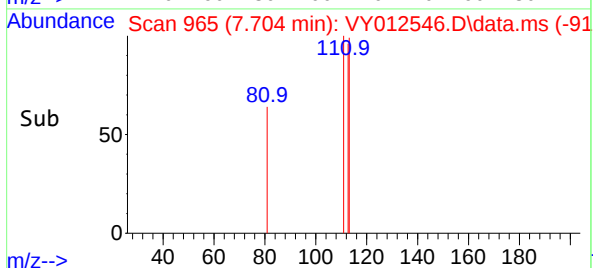
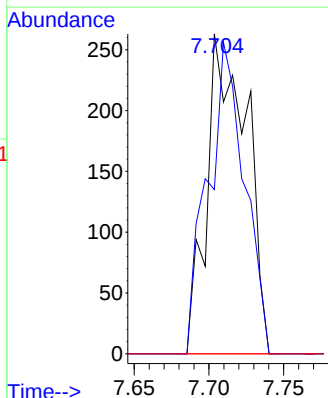
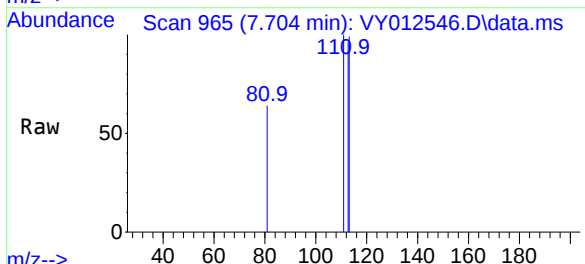
RT: 7.704 min Scan# 965

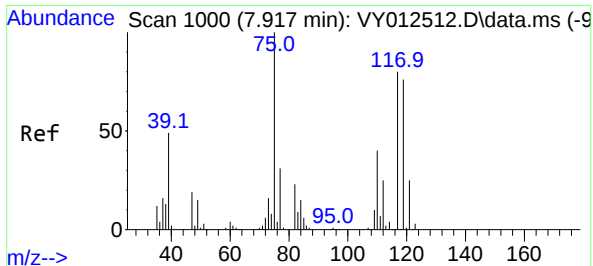
Delta R.T. -0.012 min

Lab File: VY012546.D

Acq: 08 Feb 2023 16:36

Tgt Ion:	113	Resp:	485
Ion	Ratio	Lower	Upper
113	100		
111	90.1	81.9	122.9
192	0.0	17.5	26.3





#36

1,1-Dichloropropene

Concen: 1.954 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY012546.D

Acq: 08 Feb 2023 16:36

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-20

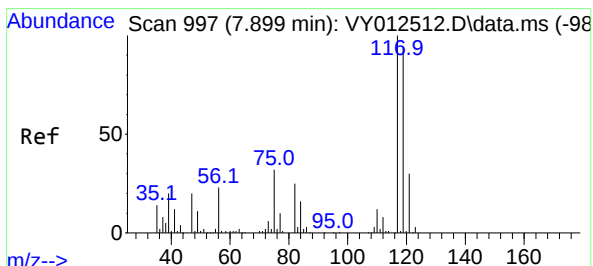
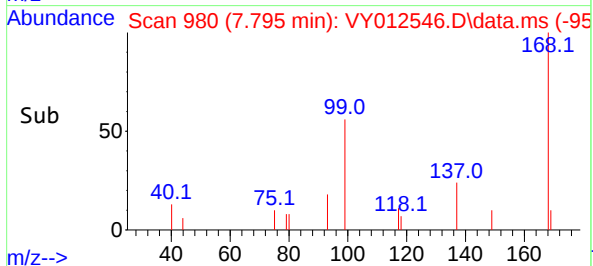
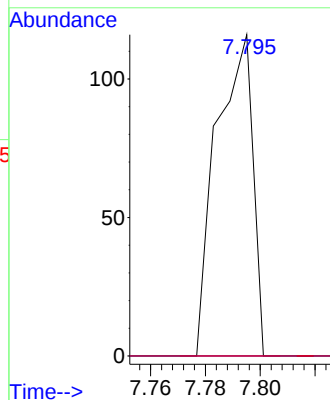
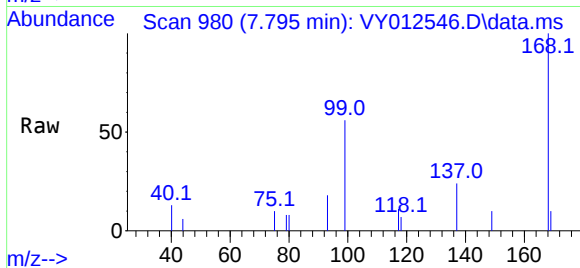
Tgt Ion: 75 Resp: 106

Ion Ratio Lower Upper

75 100

110 0.0 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.504 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012546.D

Acq: 08 Feb 2023 16:36

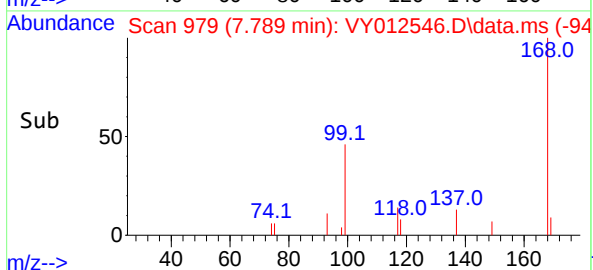
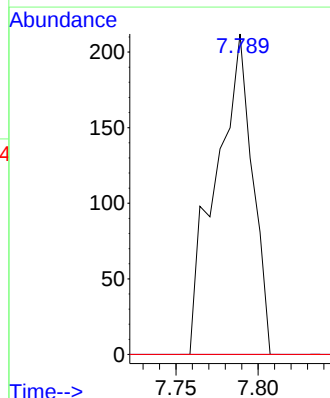
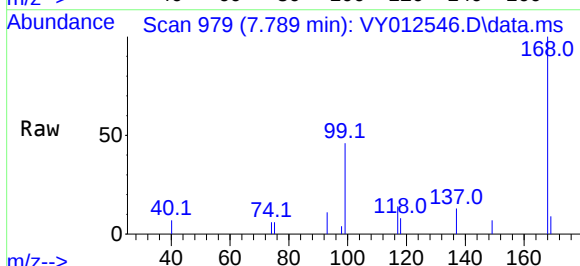
Tgt Ion: 117 Resp: 328

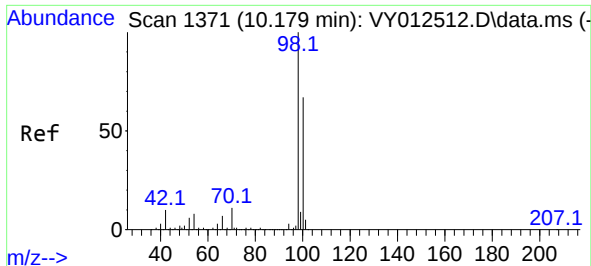
Ion Ratio Lower Upper

117 100

119 0.0 75.1 112.7#

121 0.0 24.3 36.5#

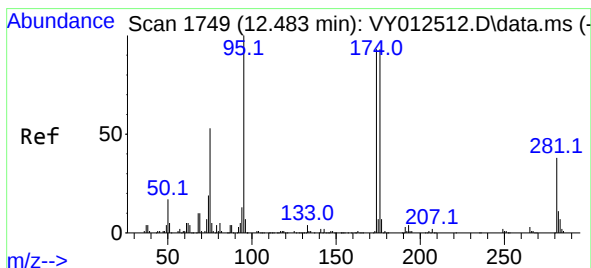
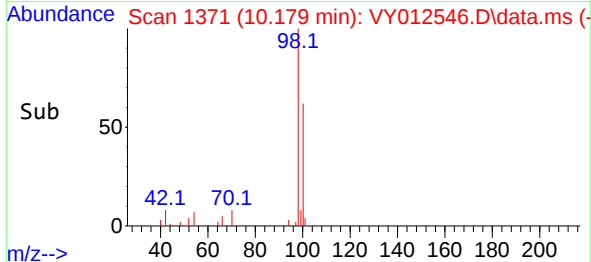
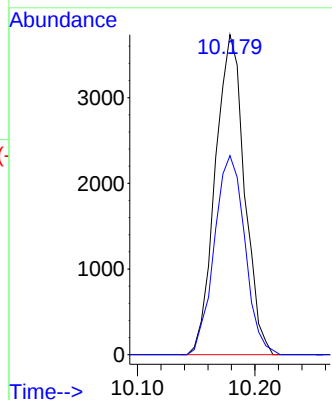
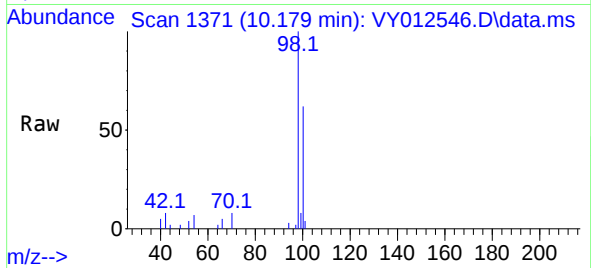




#50
Toluene-d8
Concen: 38.702 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012546.D
Acq: 08 Feb 2023 16:36

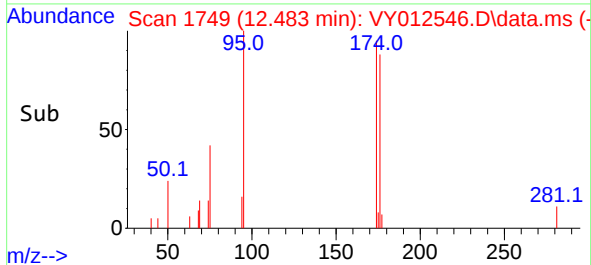
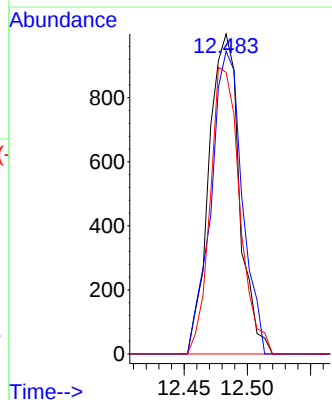
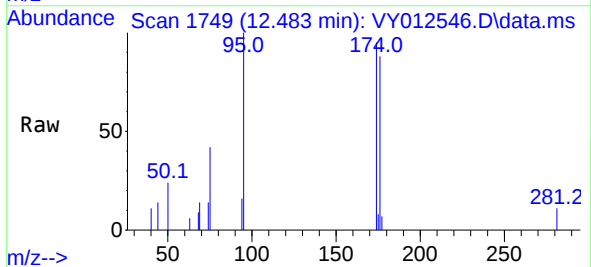
Instrument :
MSVOA_Y
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TOT-VOC-GRAB-20

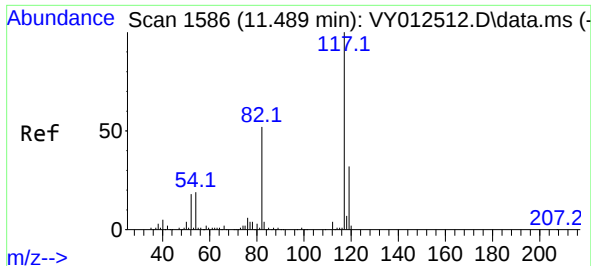
Tgt Ion: 98 Resp: 6457
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 28.749 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012546.D
Acq: 08 Feb 2023 16:36

Tgt Ion: 95 Resp: 1673
Ion Ratio Lower Upper
95 100
174 96.9 0.0 188.0
176 87.0 0.0 183.6

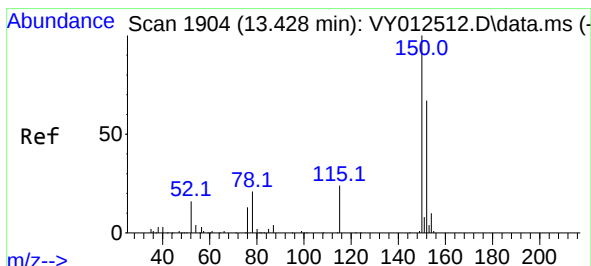
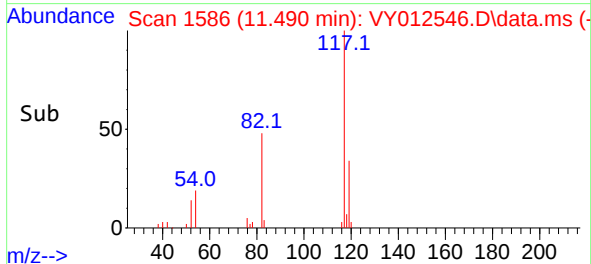
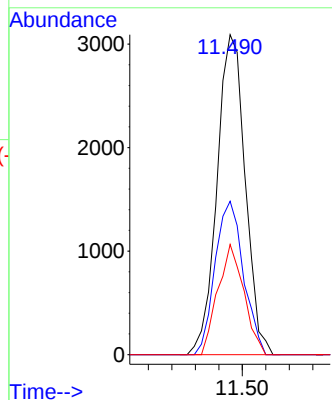
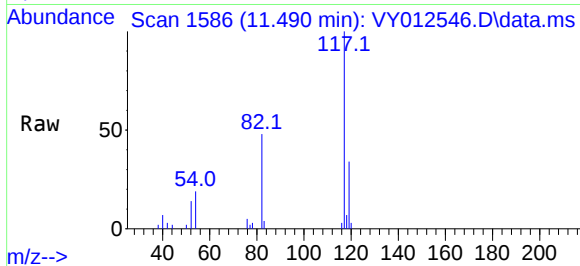




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY012546.D
Acq: 08 Feb 2023 16:36

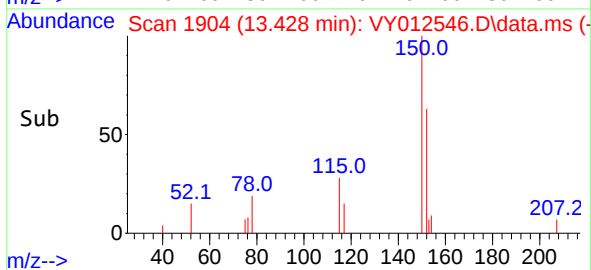
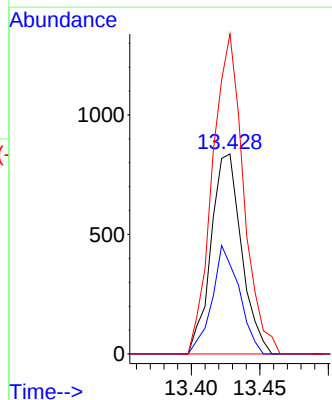
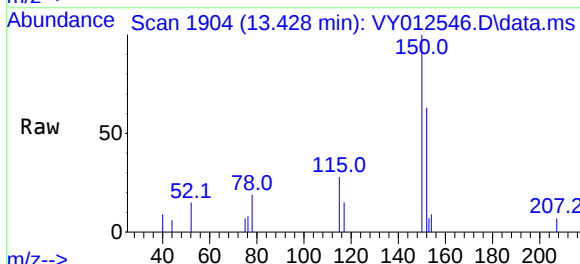
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-20

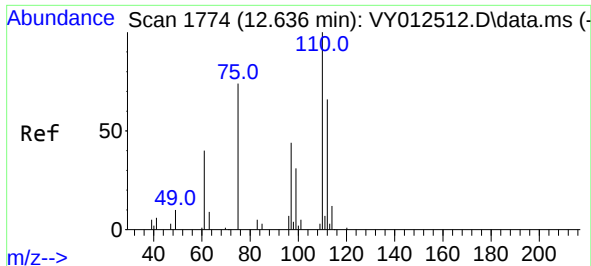
Tgt Ion:117	Resp:	5152
Ion	Ratio	Lower Upper
117	100	
82	47.9	41.7 62.5
119	34.5	25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012546.D
Acq: 08 Feb 2023 16:36

Tgt Ion:152	Resp:	1295
Ion	Ratio	Lower Upper
152	100	
115	48.2	28.1 84.3
150	163.0	0.0 351.0

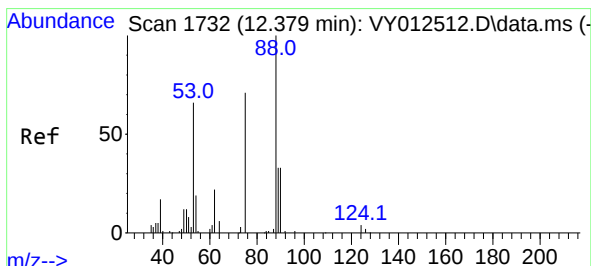
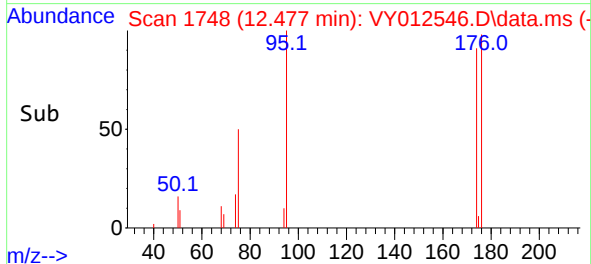
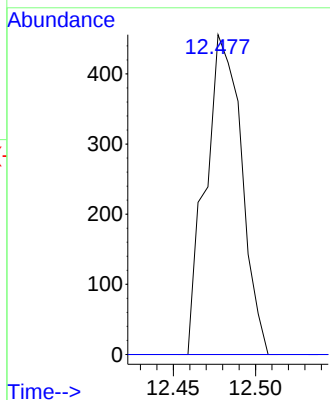
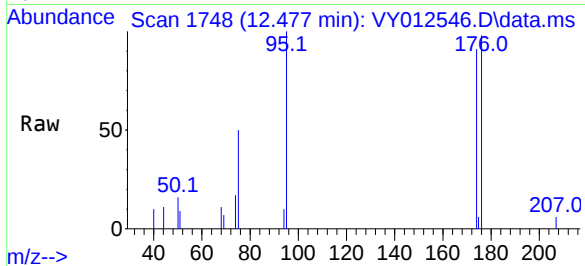




#76
1,2,3-Trichloropropane
Concen: 47.760 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY012546.D
Acq: 08 Feb 2023 16:36

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

Tgt Ion: 75 Resp: 691
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 107.701 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012546.D
Acq: 08 Feb 2023 16:36

Tgt Ion: 75 Resp: 691
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#

