

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
 Data File : VV016108.D
 Acq On : 18 May 2020 17:45
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 19 04:51:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 19 04:04:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	316535	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	311242	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	145468	50.00	ug/L	0.00

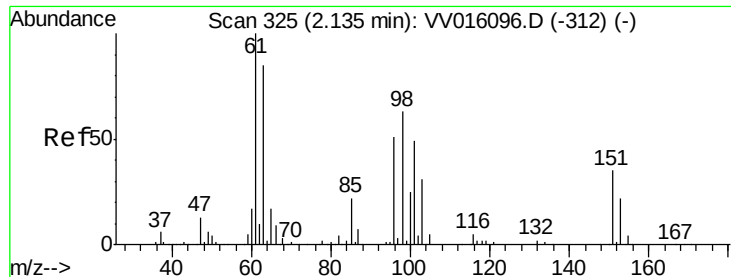
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102488	44.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.80%
7) Chloroethane-d5	1.58	69	94387	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.22%
11) 1,1-Dichloroethene-d2	2.13	63	150463	34.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.72%
21) 2-Butanone-d5	3.93	46	146611	106.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.49%
24) Chloroform-d	4.38	84	194398	44.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.98%
26) 1,2-Dichloroethane-d4	5.06	65	148371	49.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.78%
32) Benzene-d6	5.08	84	403948	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
36) 1,2-Dichloropropane-d6	6.10	67	131378	48.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.32%
41) Toluene-d8	7.34	98	372583	46.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.56%
43) trans-1,3-Dichloropropene-	7.64	79	60913	44.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.98%
47) 2-Hexanone-d5	8.12	63	94205	107.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.17%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	164266	48.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.70%
64) 1,2-Dichlorobenzene-d4	11.65	152	142450	49.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.02%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1373	0.678	ug/L #	21
25) Chloroform	4.41	83	17049	3.866	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	4310	1.195	ug/L #	75
48) 2-Hexanone	8.12	43	13520	5.934	ug/L #	80
51) Chlorobenzene	8.91	112	6605	1.064	ug/L	97
59) 1,2,3-Trichloropropane	11.27	75	22623	7.955	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	10387	2.248	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	9256	2.029	ug/L	96
67) 1,3,5-Trichlorobenzene	13.29	180	6209	1.990	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	6209	2.216	ug/L	95
70) 1,2,3-Trichlorobenzene	13.77	180	2196	0.774	ug/L	98

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



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.678 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016108.D

Acq: 18 May 2020 17:45

Instrument :

MSVOA_V

ClientSampled :

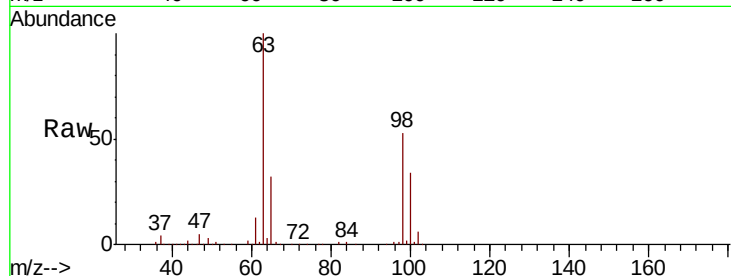
Tot Ion:101 Resp: 1373

Ion Ratio Lower Upper

101 100

85 0.0 36.2 54.4#

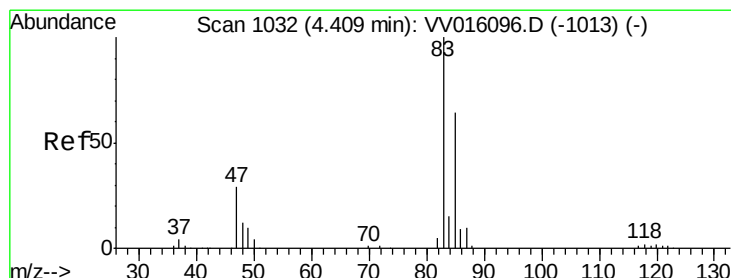
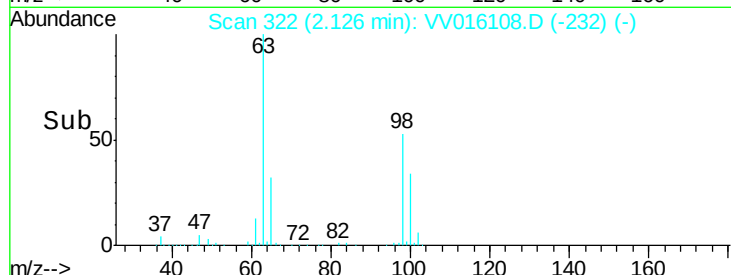
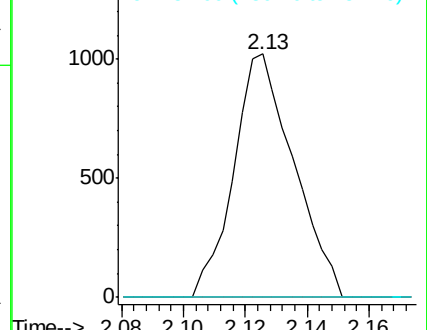
151 0.0 56.9 85.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 3.866 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VV016108.D

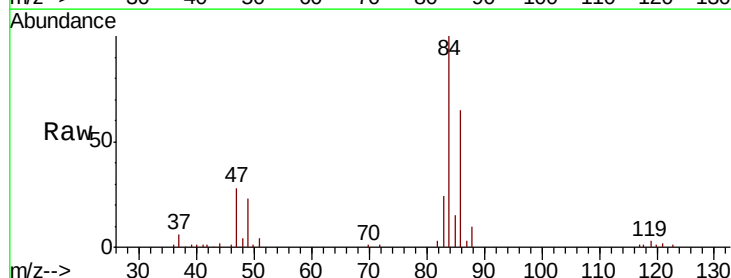
Acq: 18 May 2020 17:45

Tgt Ion: 83 Resp: 17049

Ion Ratio Lower Upper

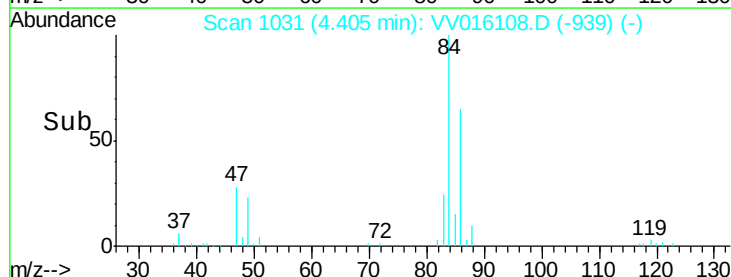
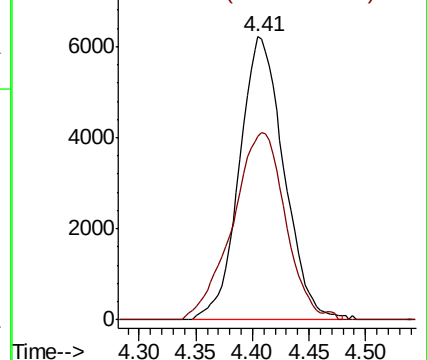
83 100

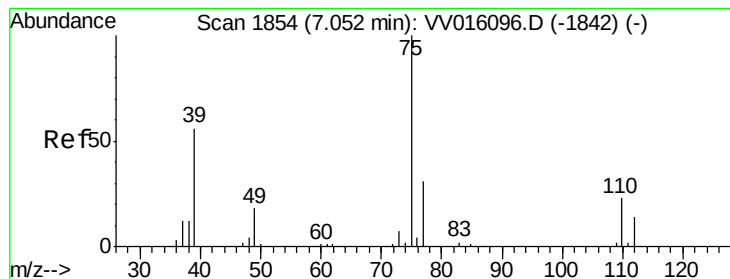
85 64.9 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#39

cis-1,3-Dichloropropene

Concen: 1.195 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.05 min

Lab File: VV016108.D

Acq: 18 May 2020 17:45

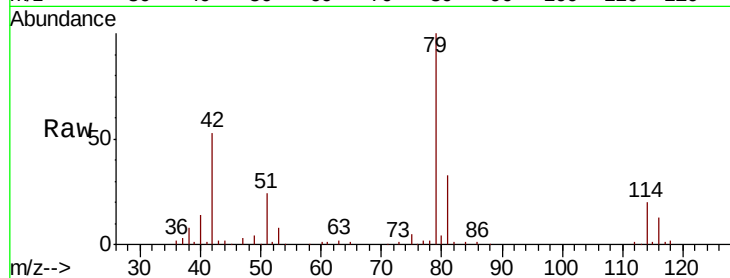
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 4310

Ion Ratio Lower Upper

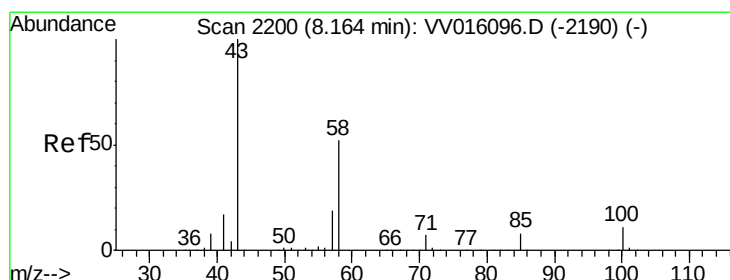
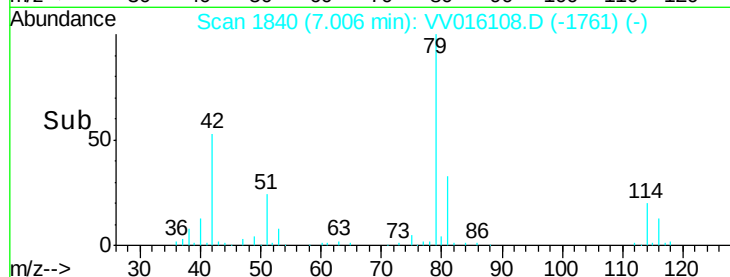
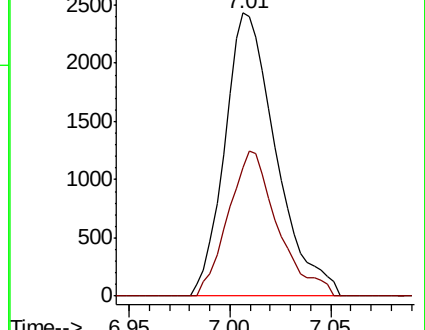
75 100

77 45.5 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VV016096.D (-1842) (-)

Ion 77.00 (76.70 to 77.70): VV016096.D (-1842) (-)



#48

2-Hexanone

Concen: 5.934 ug/L

RT: 8.12 min Scan# 2186

Delta R.T. -0.05 min

Lab File: VV016108.D

Acq: 18 May 2020 17:45

Tgt Ion: 43 Resp: 13520

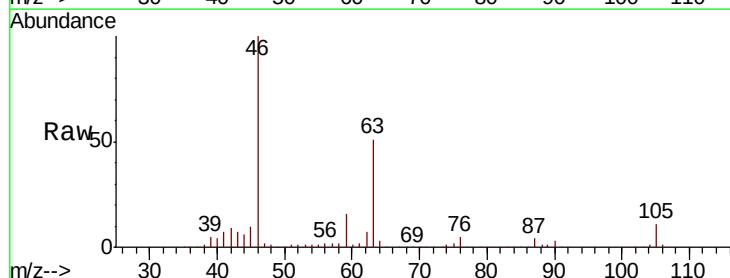
Ion Ratio Lower Upper

43 100

58 37.5 40.9 61.3#

57 25.0 15.0 22.4#

100 0.0 9.0 13.6#

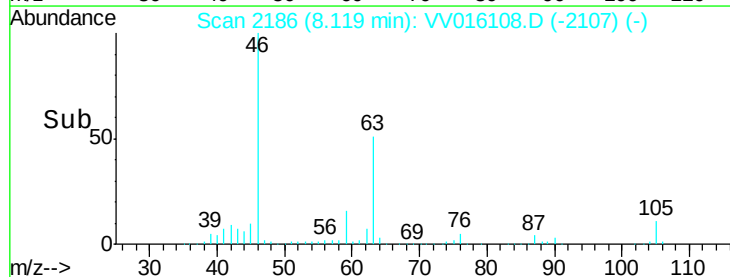
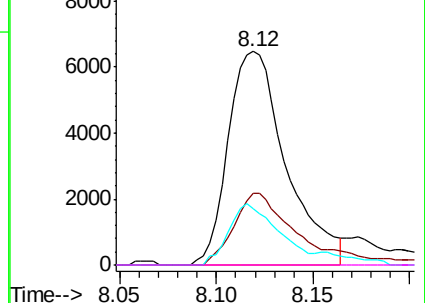


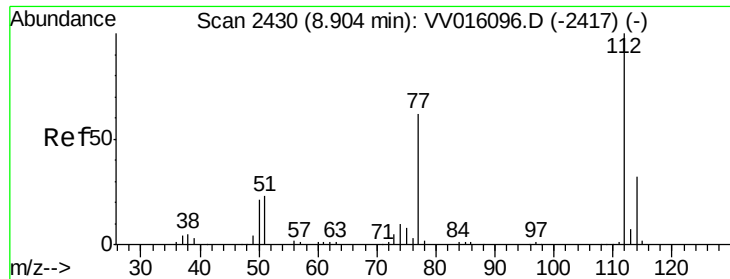
Abundance Ion 43.00 (42.70 to 43.70): VV016096.D (-2190) (-)

Ion 58.00 (57.70 to 58.70): VV016096.D (-2190) (-)

Ion 57.00 (56.70 to 57.70): VV016096.D (-2190) (-)

Ion 100.00 (99.70 to 100.70): VV016096.D (-2190) (-)

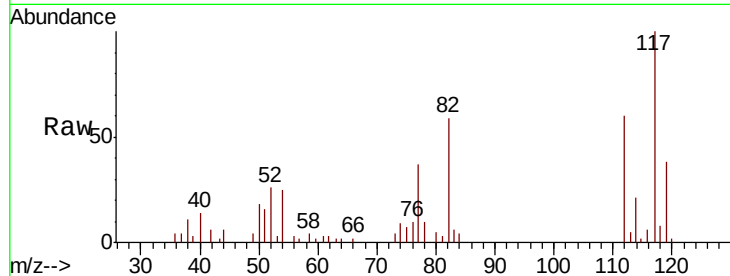




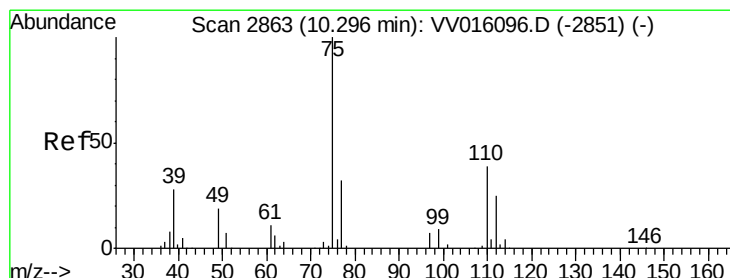
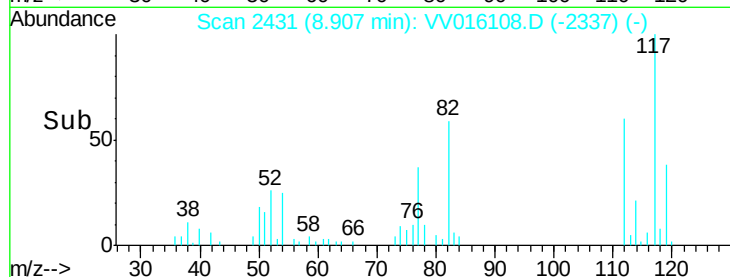
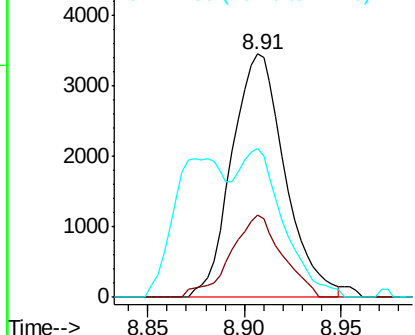
#51
Chlorobenzene
Concen: 1.064 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VV016108.D
Acq: 18 May 2020 17:45

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:112 Resp: 6605
Ion Ratio Lower Upper
112 100
114 34.0 22.5 41.9
77 61.2 50.4 75.6

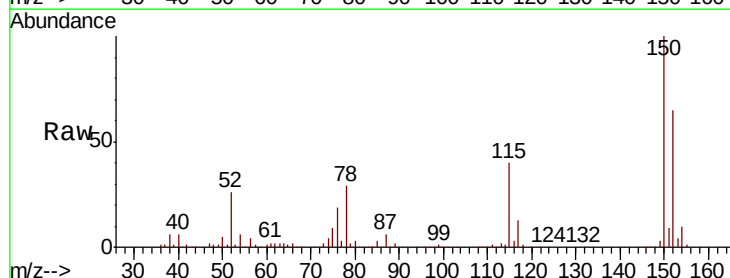


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

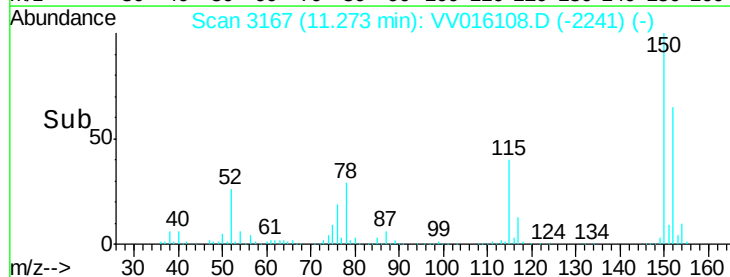
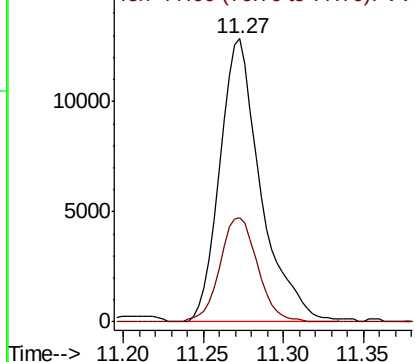


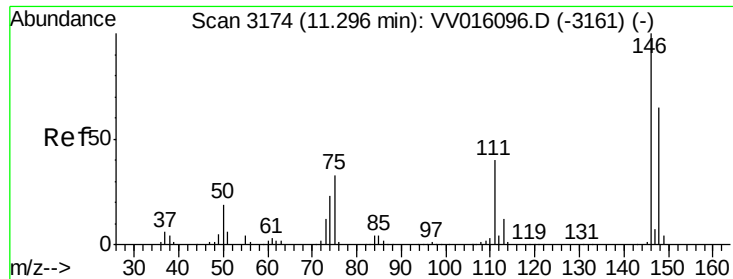
#59
1,2,3-Trichloropropane
Concen: 7.955 ug/L
RT: 11.27 min Scan# 3167
Delta R.T. 0.98 min
Lab File: VV016108.D
Acq: 18 May 2020 17:45

Tgt Ion: 75 Resp: 22623
Ion Ratio Lower Upper
75 100
77 33.8 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

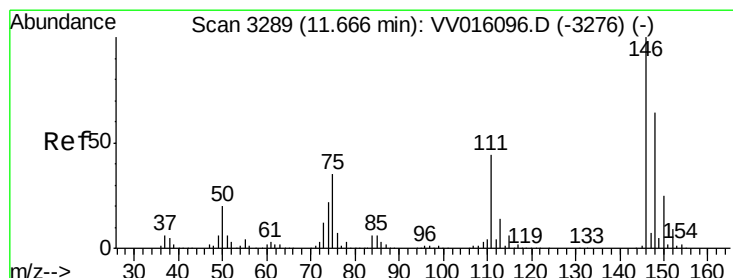
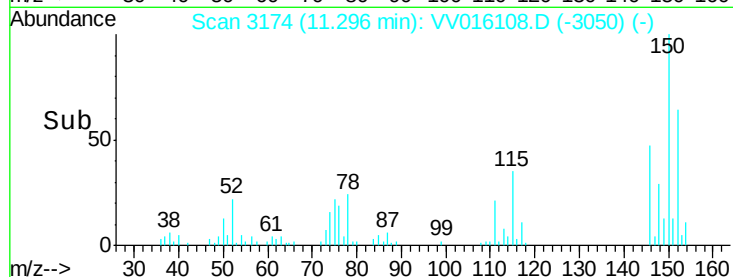
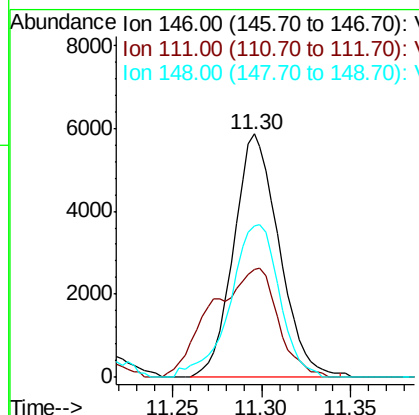
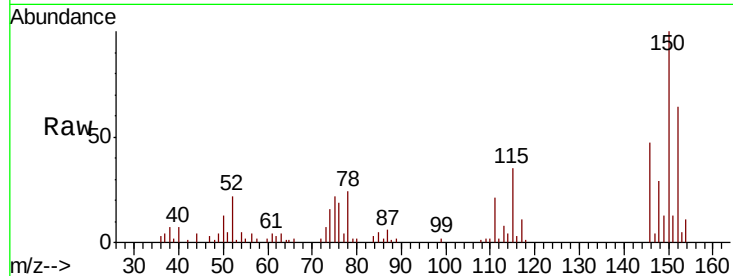




#63
 1,4-Dichlorobenzene
 Concen: 2.248 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016108.D
 Acq: 18 May 2020 17:45

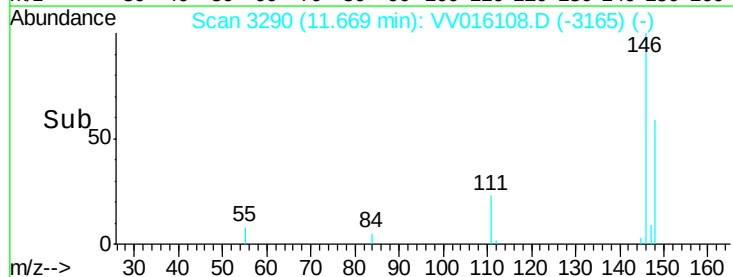
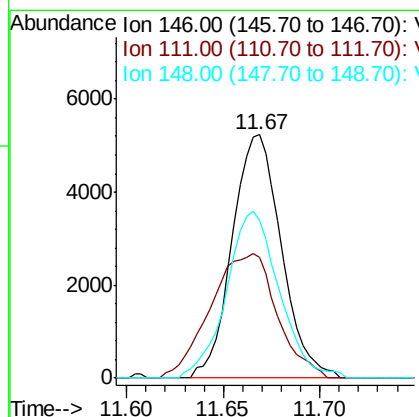
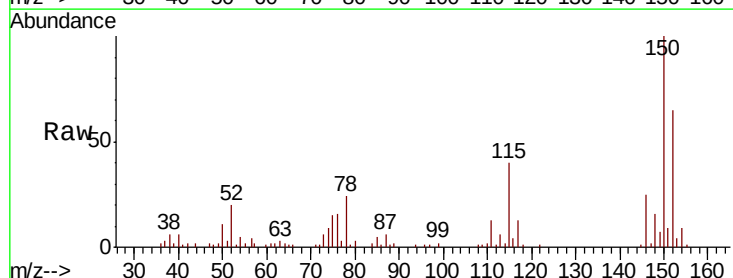
Instrument :
 MSVOA_V
 ClientSampleId :

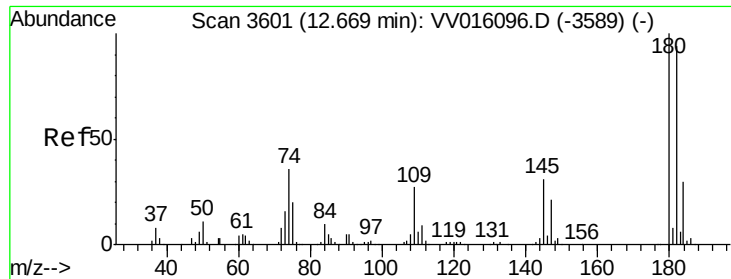
Tot Ion	146	111	148
Resp:	10387		
Ion Ratio	100	44.4	62.3
Lower		28.1	45.7
Upper		52.3	84.9



#65
 1,2-Dichlorobenzene
 Concen: 2.029 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV016108.D
 Acq: 18 May 2020 17:45

Tgt Ion	146	111	148
Resp:	9256		
Ion Ratio	100	49.7	64.8
Lower		35.2	51.4
Upper		52.8	77.2

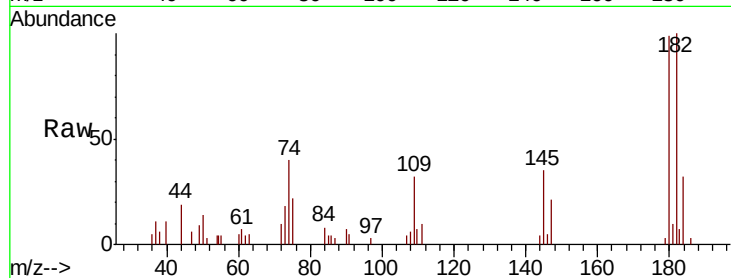




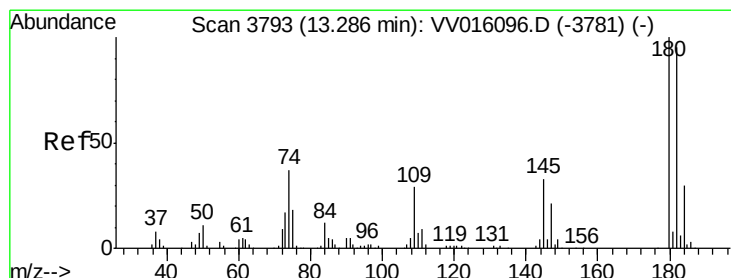
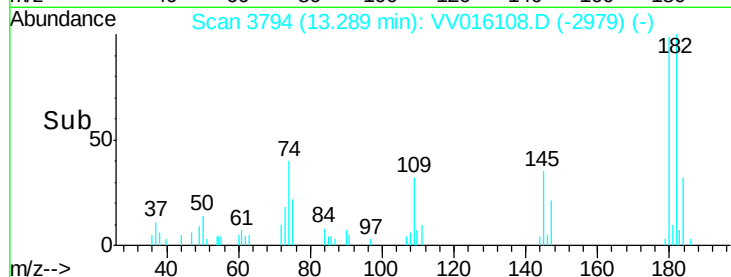
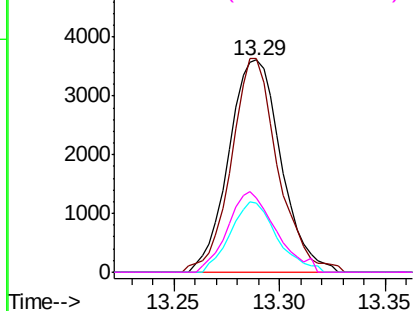
#67
 1,3,5-Trichlorobenzene
 Concen: 1.990 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.62 min
 Lab File: VV016108.D
 Acq: 18 May 2020 17:45

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 6209
 Ion Ratio Lower Upper
 180 100
 182 89.8 75.8 113.6
 184 29.6 24.3 36.5
 145 34.2 25.0 37.6

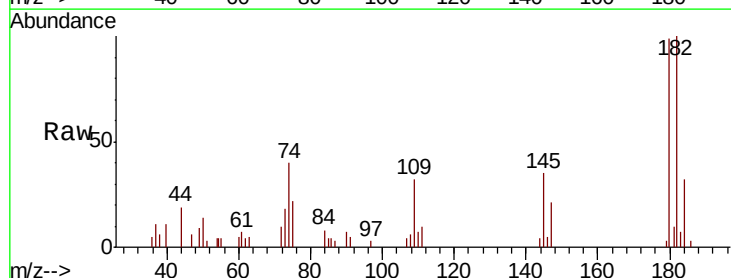


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

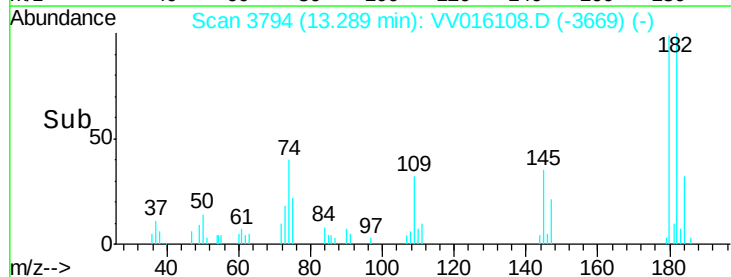
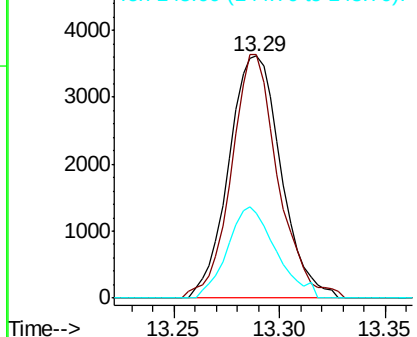


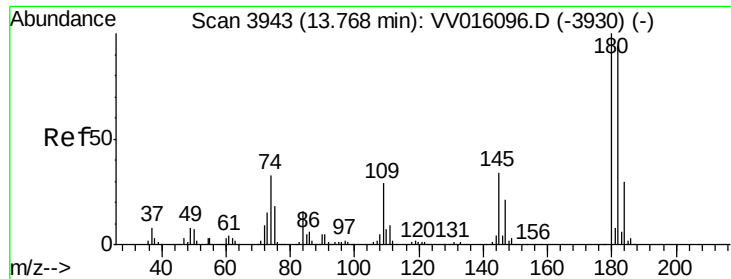
#68
 1,2,4-trichlorobenzene
 Concen: 2.216 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV016108.D
 Acq: 18 May 2020 17:45

Tgt Ion:180 Resp: 6209
 Ion Ratio Lower Upper
 180 100
 182 89.8 76.2 114.4
 145 34.2 26.2 39.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

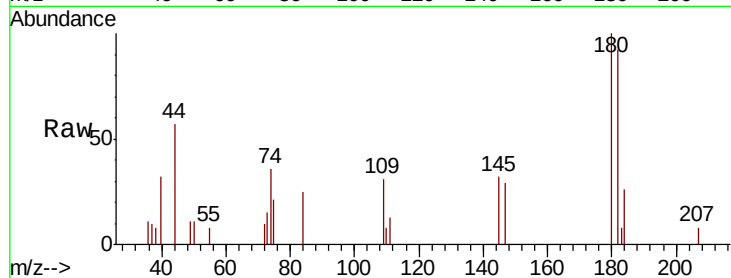




#70
 1,2,3-Trichlorobenzene
 Concen: 0.774 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV016108.D
 Acq: 18 May 2020 17:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.3	112.9
145	31.5	27.4	41.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

