

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
 Data File : VV016106.D
 Acq On : 18 May 2020 16:59
 Operator : SY/MD
 Sample : L2655-03DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 19 04:50:47 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	316187	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	312350	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	151444	50.00	ug/L	0.00

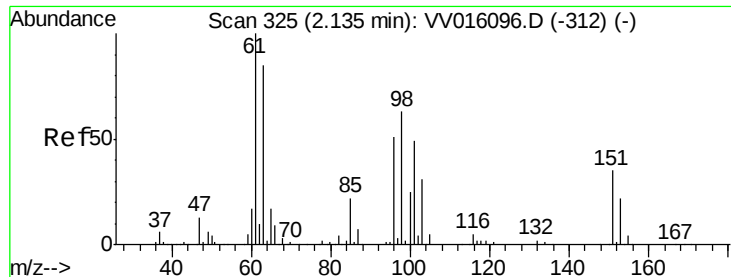
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104748	45.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.88%
7) Chloroethane-d5	1.58	69	95967	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.88%
11) 1,1-Dichloroethene-d2	2.13	63	154583	35.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.70%
21) 2-Butanone-d5	3.93	46	144084	104.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.77%
24) Chloroform-d	4.38	84	192204	44.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.06%
26) 1,2-Dichloroethane-d4	5.06	65	150376	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.22%
32) Benzene-d6	5.08	84	413409	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.54%
36) 1,2-Dichloropropane-d6	6.10	67	130631	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.42%
41) Toluene-d8	7.34	98	379604	47.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.98%
43) trans-1,3-Dichloropropene-	7.64	79	62351	45.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.76%
47) 2-Hexanone-d5	8.12	63	94775	107.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.43%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	163644	47.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	148162	49.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.94%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1407	0.695	ug/L #	21
25) Chloroform	4.41	83	21825	4.954	ug/L	100
33) Benzene	5.13	78	129331	14.534	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	4314	1.191	ug/L #	70
48) 2-Hexanone	8.12	43	13132	5.743	ug/L #	82
51) Chlorobenzene	8.90	112	554164	88.916	ug/L	99
59) 1,2,3-Trichloropropane	11.21	75	13820	4.843	ug/L #	43
62) 1,3-Dichlorobenzene	11.21	146	39617	8.422	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	303060	63.007	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	393915	82.958	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	65785	20.255	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	65785	22.554	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	19753	6.683	ug/L	98

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



#10

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

Concen: 0.695 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016106.D

Acq: 18 May 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

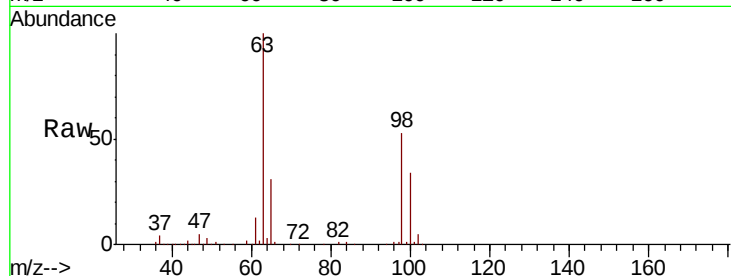
Tot Ion:101 Resp: 1407

Ion Ratio Lower Upper

101 100

85 0.0 36.2 54.4#

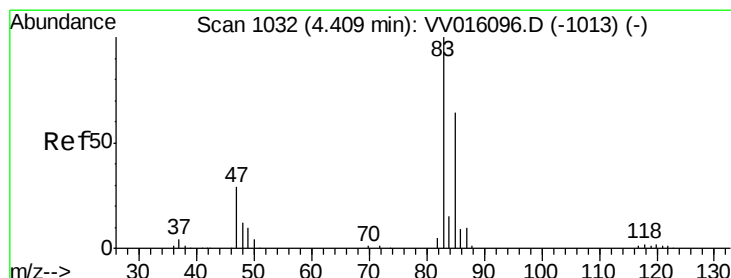
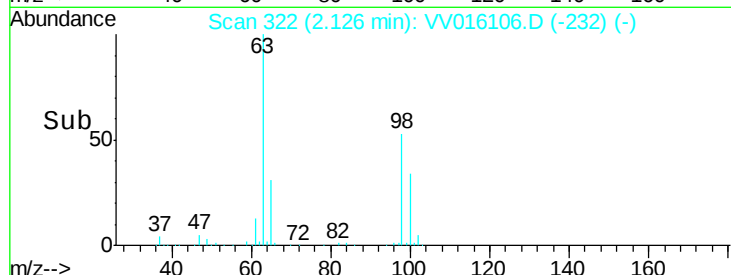
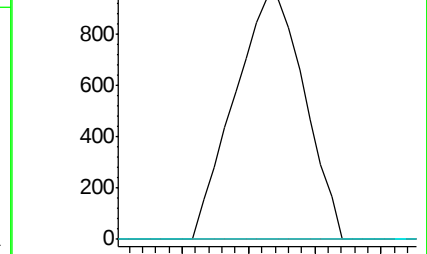
151 0.0 56.9 85.3#



Abundance Ion 101.00 (100.70 to 101.70): VV016106.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV016106.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV016106.D (-232) (-)



#25

Chloroform

Concen: 4.954 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VV016106.D

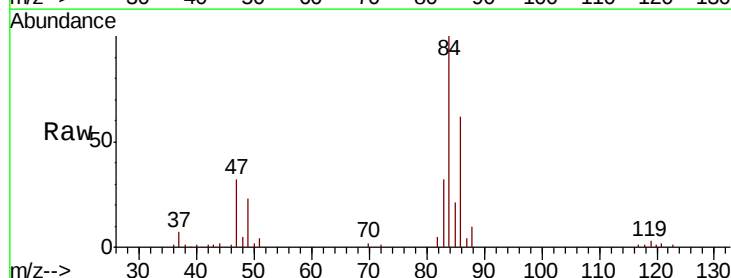
Acq: 18 May 2020 16:59

Tgt Ion: 83 Resp: 21825

Ion Ratio Lower Upper

83 100

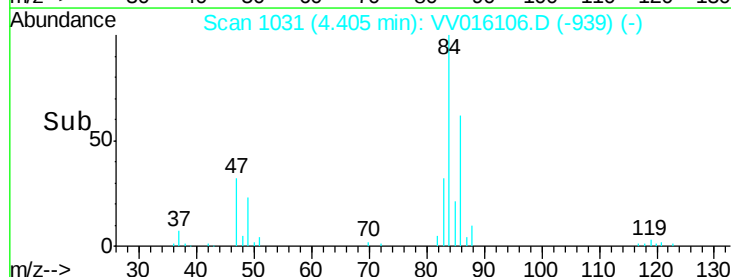
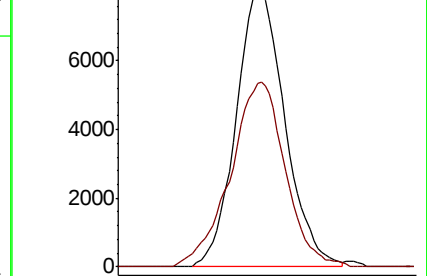
85 64.6 45.1 83.9

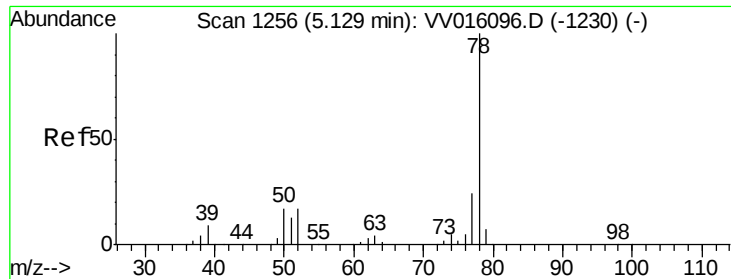


Abundance Ion 83.00 (82.70 to 83.70): VV016106.D (-939) (-)

Ion 85.00 (84.70 to 85.70): VV016106.D (-939) (-)

Ion 151.00 (150.70 to 151.70): VV016106.D (-939) (-)





#33

Benzene

Concen: 14.534 ug/L

RT: 5.13 min Scan# 1256

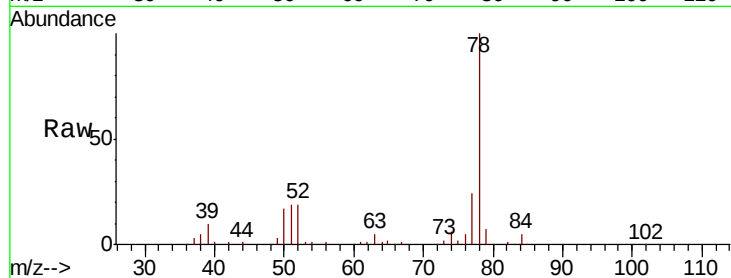
Delta R.T. -0.00 min

Lab File: VV016106.D

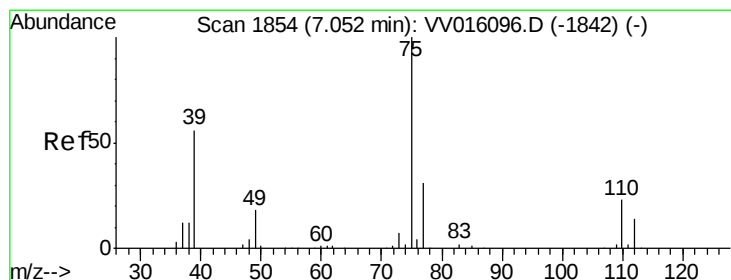
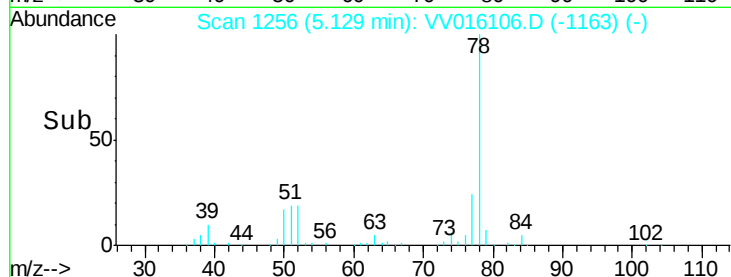
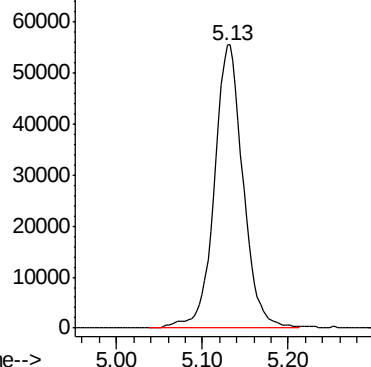
Acq: 18 May 2020 16:59

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 129331



Abundance Ion 78.00 (77.70 to 78.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 1.191 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV016106.D

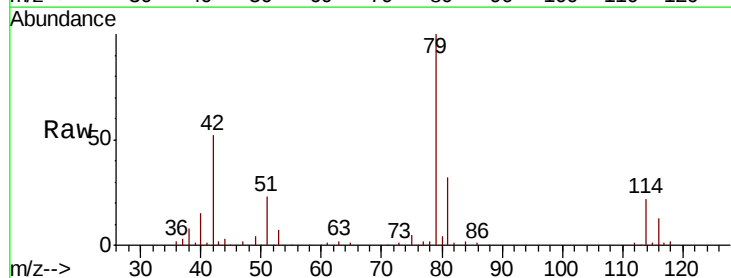
Acq: 18 May 2020 16:59

Tgt Ion: 75 Resp: 4314

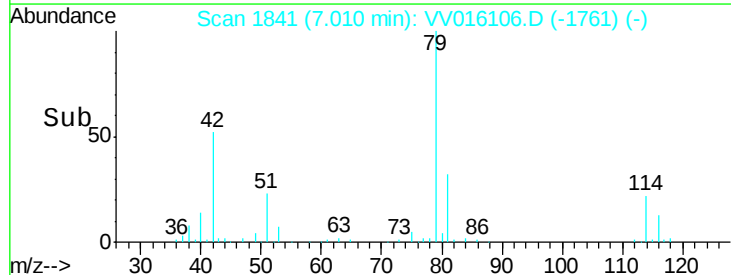
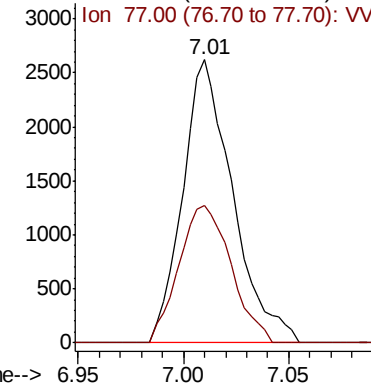
Ion Ratio Lower Upper

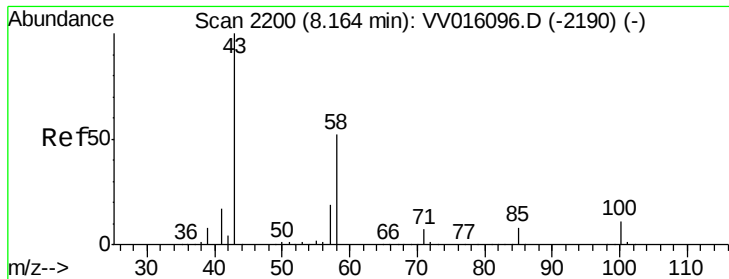
75 100

77 48.6 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VV0

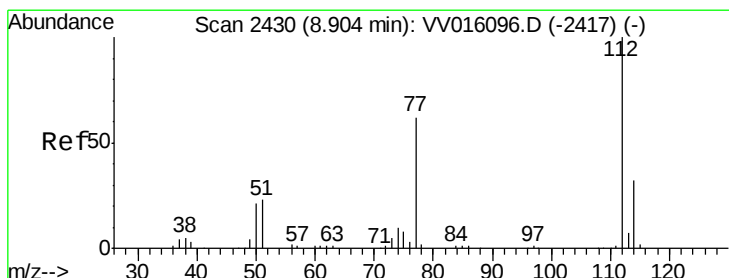
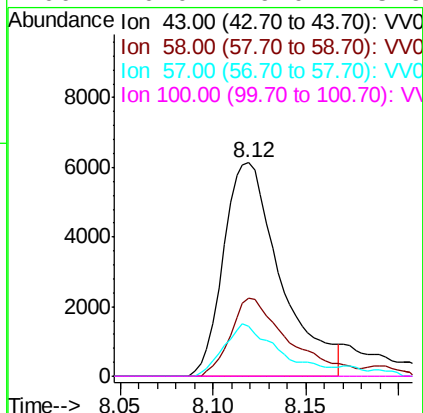
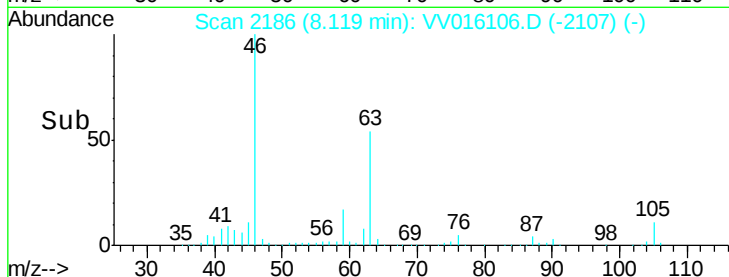
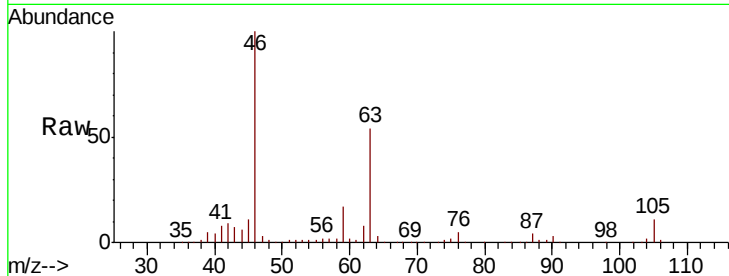




#48
2-Hexanone
Concen: 5.743 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV016106.D
Acq: 18 May 2020 16:59

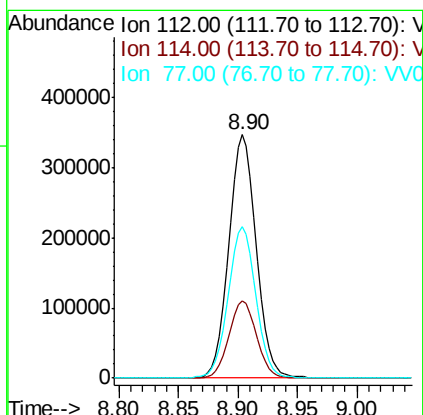
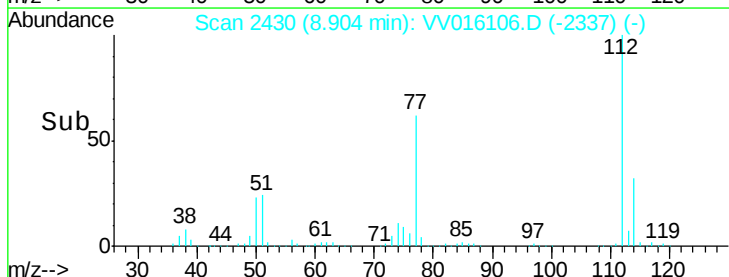
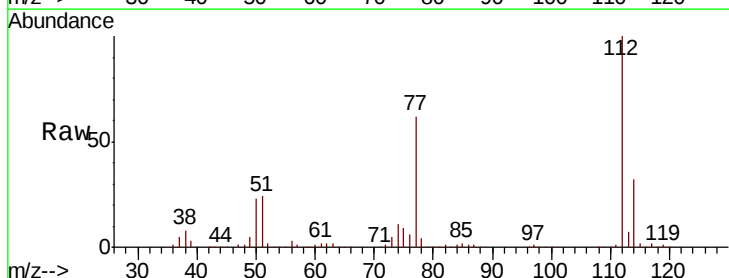
Instrument :
MSVOA_V
ClientSampleId :

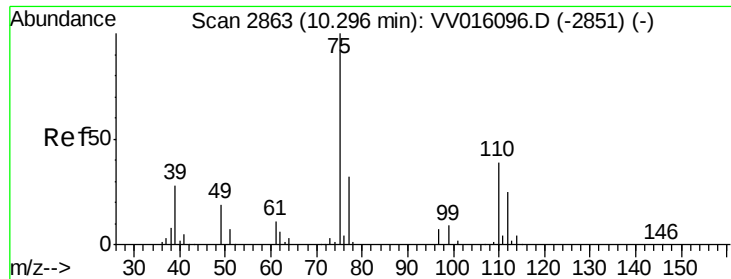
Tot Ion:	43	Resp:	13132
Ion	Ratio	Lower	Upper
43	100		
58	37.7	40.9	61.3#
57	21.6	15.0	22.4
100	0.0	9.0	13.6#



#51
Chlorobenzene
Concen: 88.916 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV016106.D
Acq: 18 May 2020 16:59

Tgt Ion:	112	Resp:	554164
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.5	41.9
77	62.0	50.4	75.6

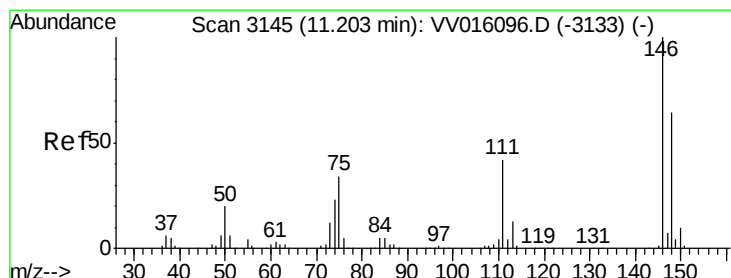
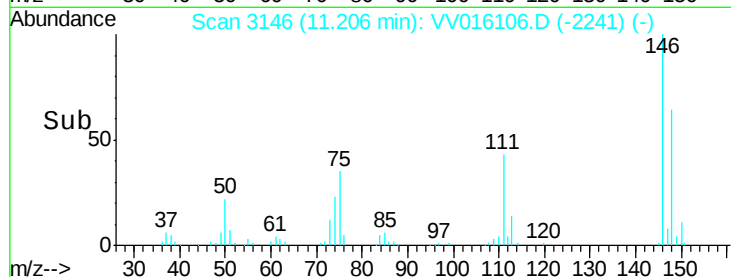
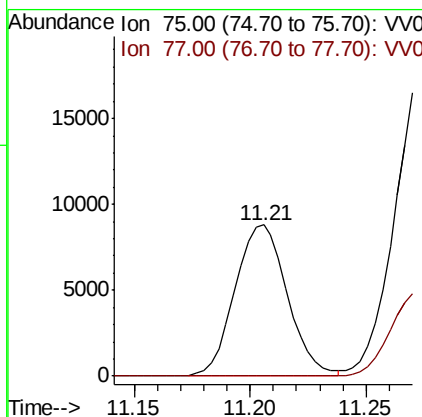
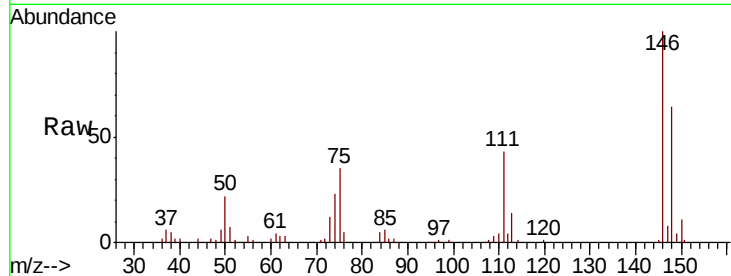




#59
 1,2,3-Trichloropropane
 Concen: 4.843 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.91 min
 Lab File: VV016106.D
 Acq: 18 May 2020 16:59

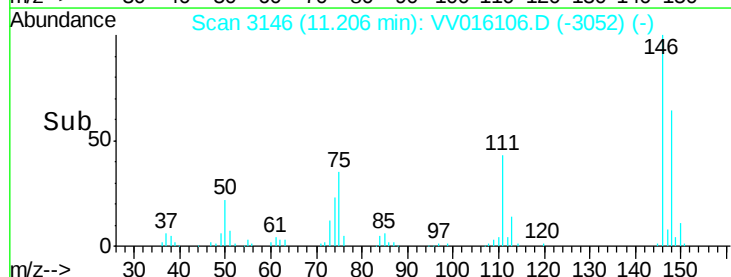
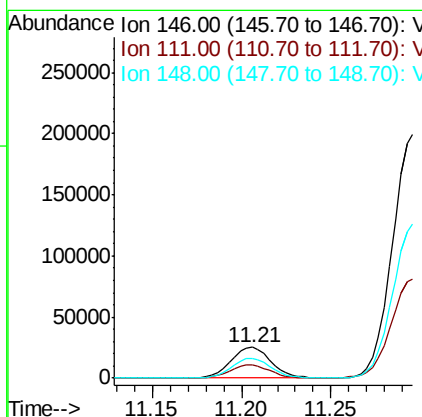
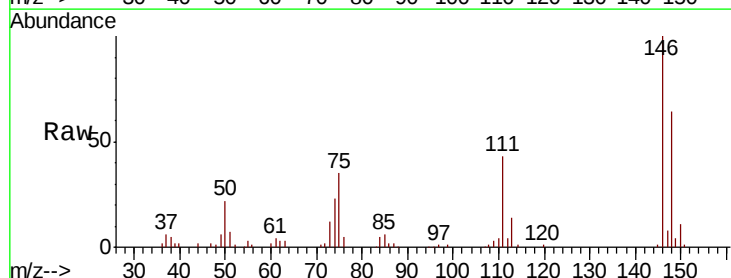
Instrument :
 MSVOA_V
 ClientSampleId :

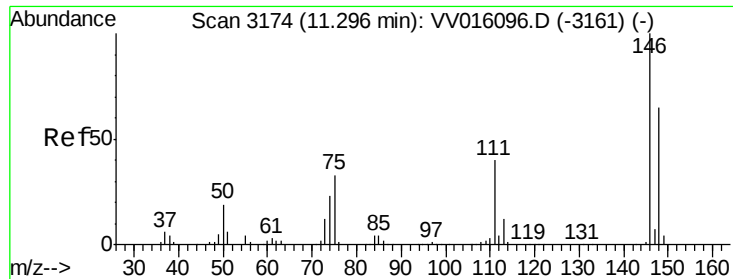
Tot Ion: 75 Resp: 13820
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#62
 1,3-Dichlorobenzene
 Concen: 8.422 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV016106.D
 Acq: 18 May 2020 16:59

Tgt Ion: 146 Resp: 39617
 Ion Ratio Lower Upper
 146 100
 111 43.1 29.1 54.1
 148 64.5 44.5 82.7





#63

1,4-Dichlorobenzene

Concen: 63.007 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016106.D

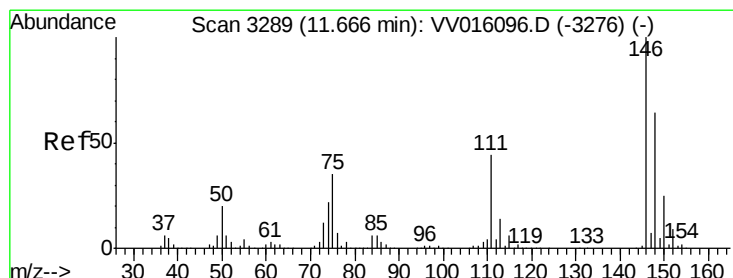
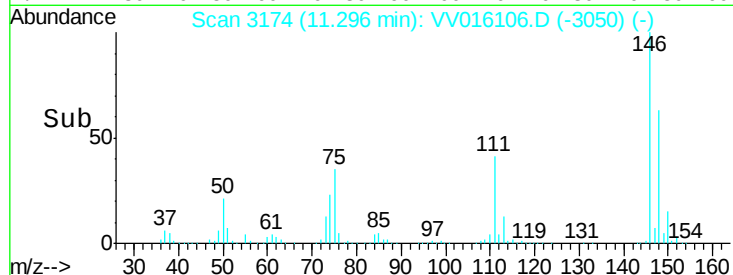
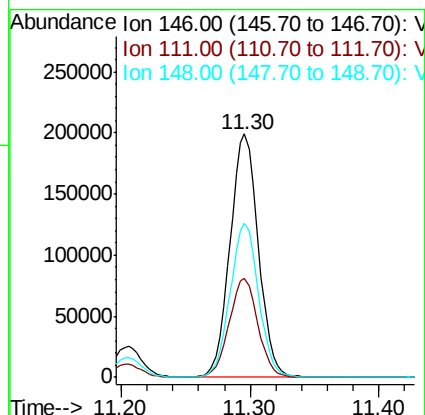
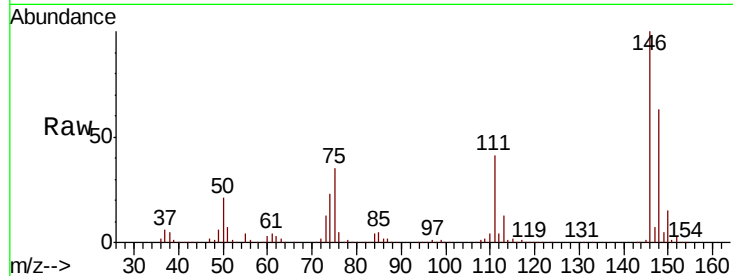
Acq: 18 May 2020 16:59

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	303060
Ion Ratio	Lower	Upper
146	100	
111	40.7	28.1 52.3
148	63.2	45.7 84.9



#65

1,2-Dichlorobenzene

Concen: 82.958 ug/L

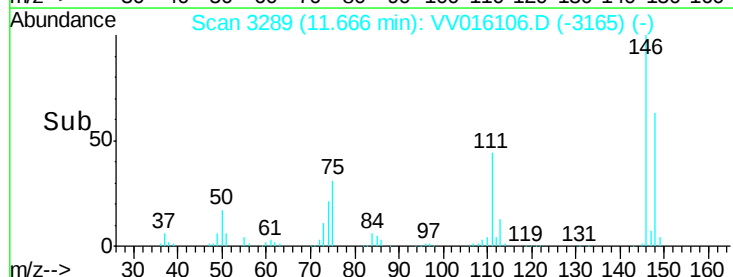
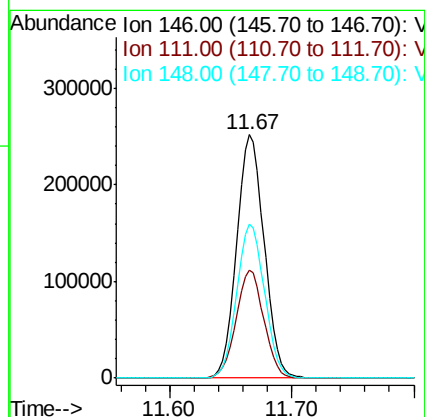
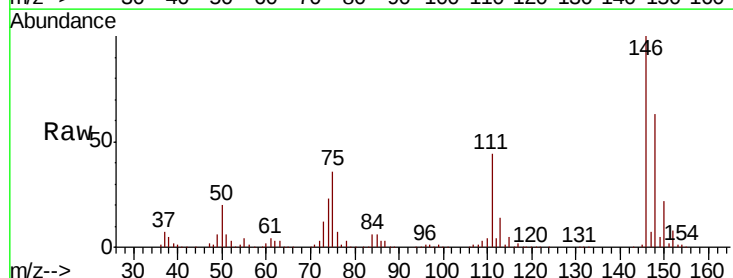
RT: 11.67 min Scan# 3289

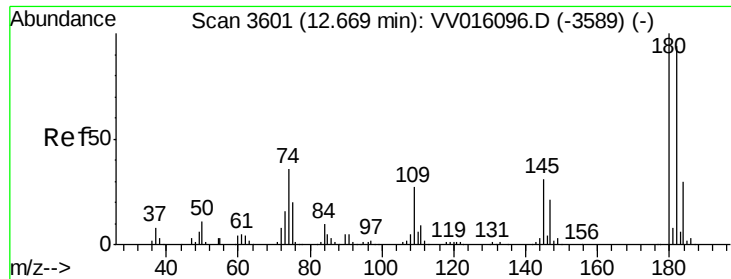
Delta R.T. -0.00 min

Lab File: VV016106.D

Acq: 18 May 2020 16:59

Tgt Ion:146	Resp:	393915
Ion Ratio	Lower	Upper
146	100	
111	44.4	35.2 52.8
148	63.3	51.4 77.2

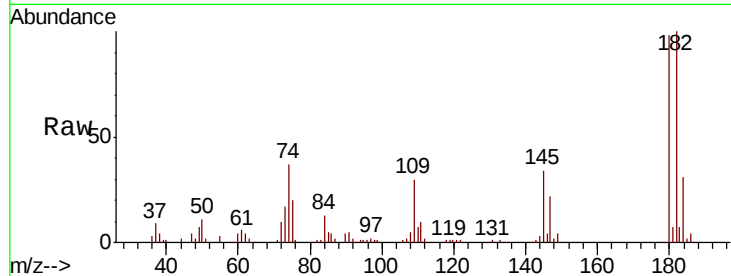




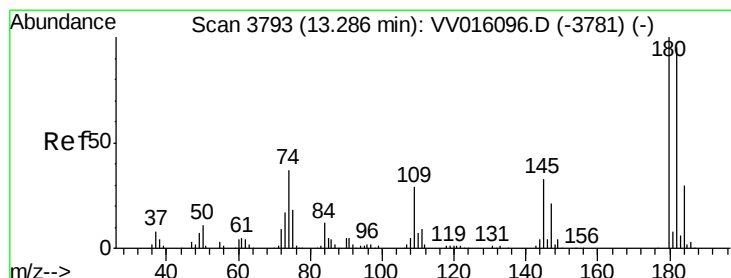
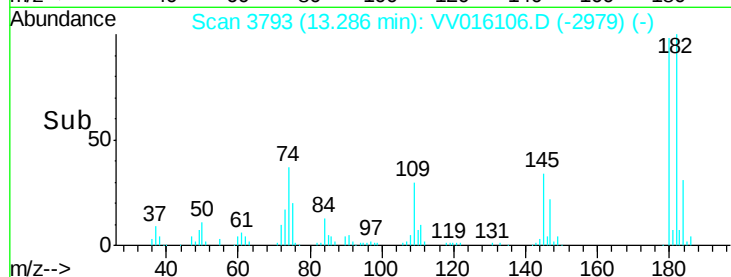
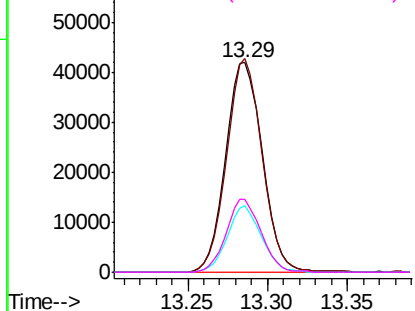
#67
 1,3,5-Trichlorobenzene
 Concen: 20.255 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV016106.D
 Acq: 18 May 2020 16:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 65785
 Ion Ratio Lower Upper
 180 100
 182 97.9 75.8 113.6
 184 29.4 24.3 36.5
 145 32.9 25.0 37.6

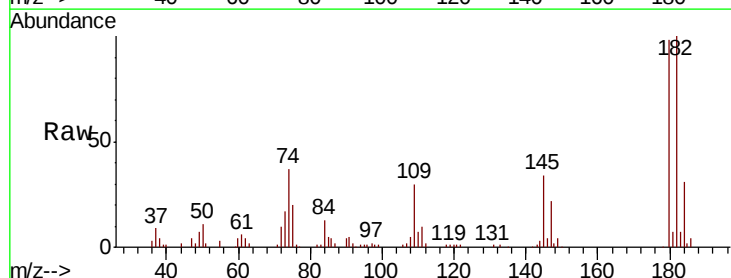


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

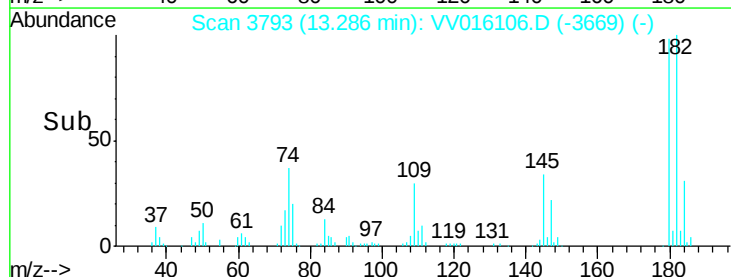
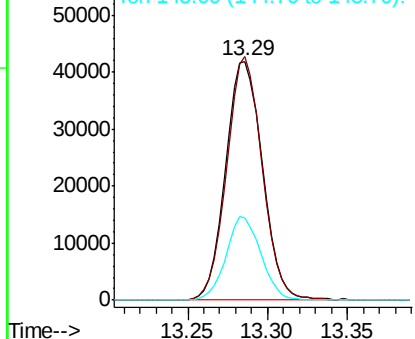


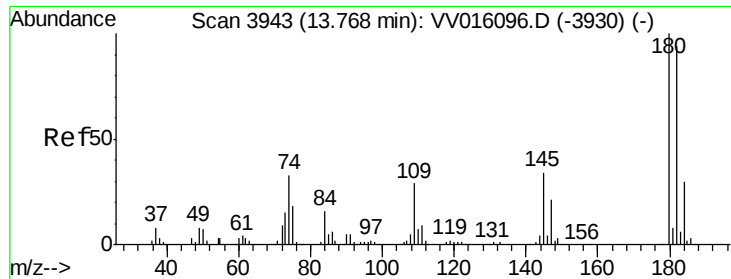
#68
 1,2,4-trichlorobenzene
 Concen: 22.554 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016106.D
 Acq: 18 May 2020 16:59

Tgt Ion:180 Resp: 65785
 Ion Ratio Lower Upper
 180 100
 182 97.9 76.2 114.4
 145 32.9 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: 6.683 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

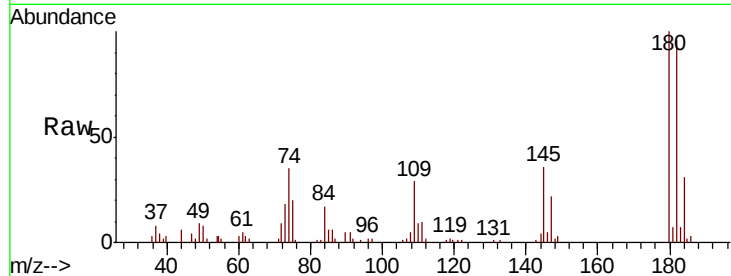
Lab File: VV016106.D

Acq: 18 May 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :



Tot Ion:180 Resp: 19753

Ion Ratio Lower Upper

180 100

182 96.4 75.3 112.9

145 35.3 27.4 41.0

