

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014955.D
 Acq On : 16 Mar 2020 18:56
 Operator : SY/MD
 Sample : L1940-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0D97

Quant Time: Mar 18 03:21:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 03:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	367175	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	354387	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	175662	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123006	50.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.58%
7) Chloroethane-d5	1.58	69	103919	57.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.40%
11) 1,1-Dichloroethene-d2	2.12	63	134320	35.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.58%
21) 2-Butanone-d5	3.93	46	114938	77.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.06%
24) Chloroform-d	4.38	84	222103	43.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.16%
26) 1,2-Dichloroethane-d4	5.06	65	147808	45.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.56%
32) Benzene-d6	5.08	84	459937	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
36) 1,2-Dichloropropane-d6	6.10	67	136732	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.06%
41) Toluene-d8	7.34	98	440181	45.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.18%
43) trans-1,3-Dichloropropene-	7.64	79	68935	44.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.20%
47) 2-Hexanone-d5	8.12	63	122034	92.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.99%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	192203	45.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	185851	48.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

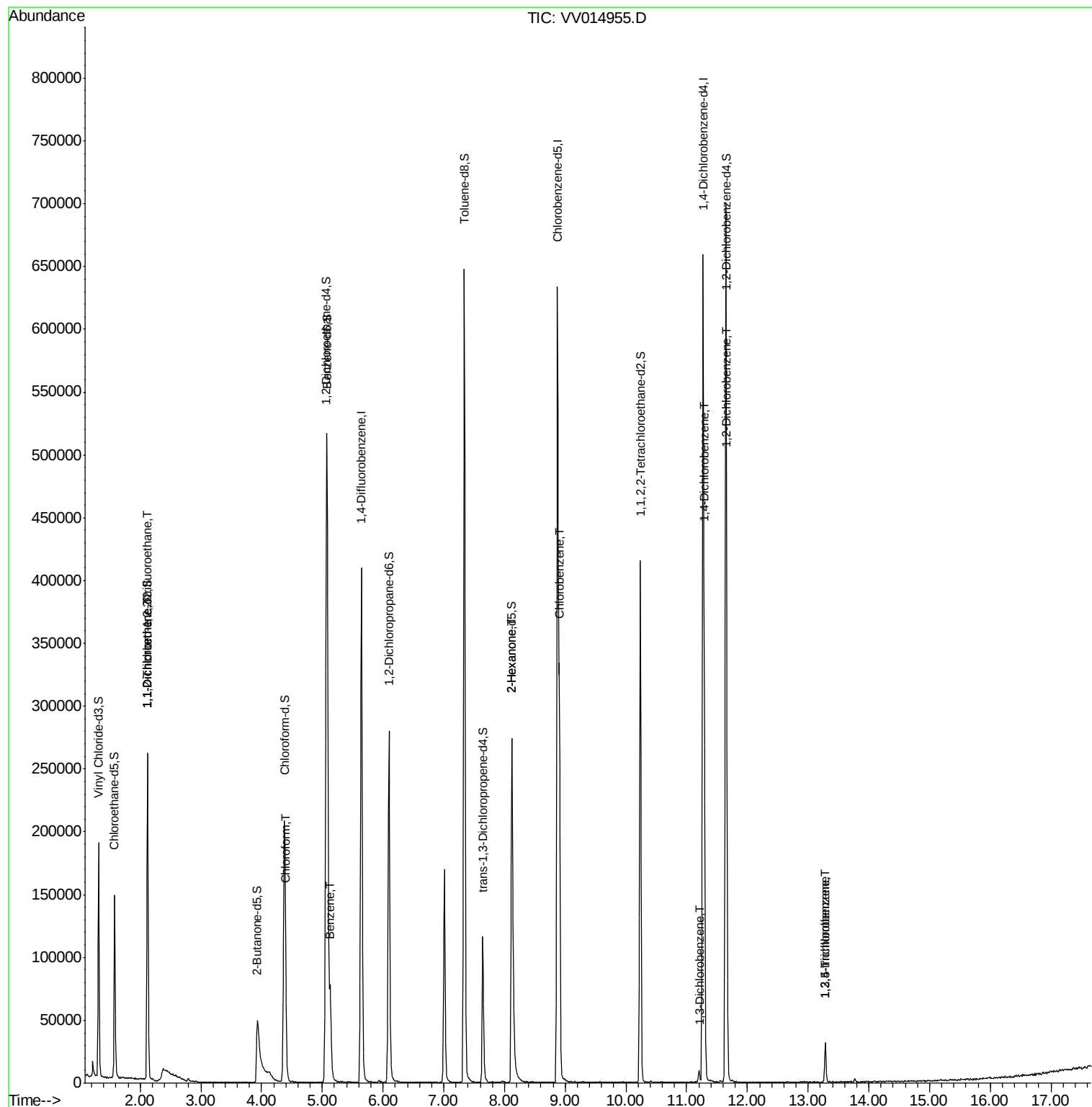
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1470	0.777	ug/L #	15
12) 1,1-Dichloroethene	2.12	96	1395	0.808	ug/L #	1
25) Chloroform	4.41	83	3482	0.724	ug/L	91
33) Benzene	5.13	78	73679	7.640	ug/L	100
48) 2-Hexanone	8.12	43	13837	5.360	ug/L #	72
51) Chlorobenzene	8.90	112	168916	22.606	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	4414	0.763	ug/L	93
63) 1,4-Dichlorobenzene	11.29	146	104243	17.877	ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	43455	7.515	ug/L	98
67) 1,3,5-Trichlorobenzene	13.29	180	10635	2.343	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	10635	2.629	ug/L	97

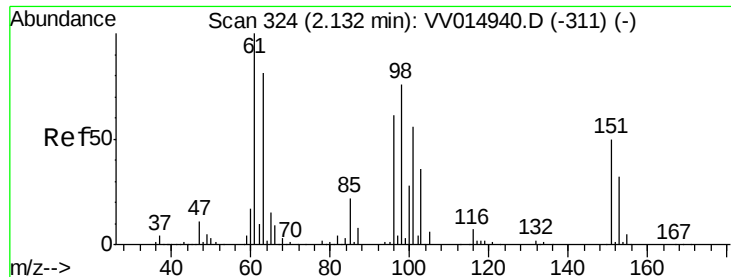
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.777 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV014955.D

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Instrument :

MSVOA_V

ClientSampleId :

C0D97

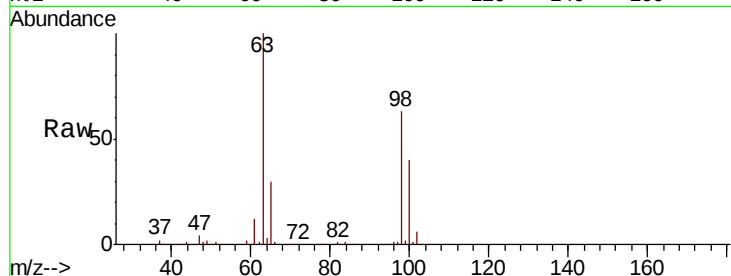
Tot Ion:101 Resp: 1470

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

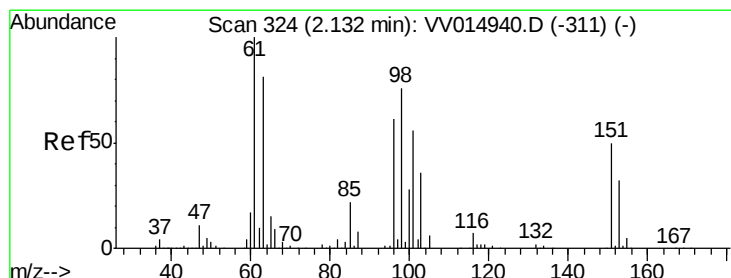
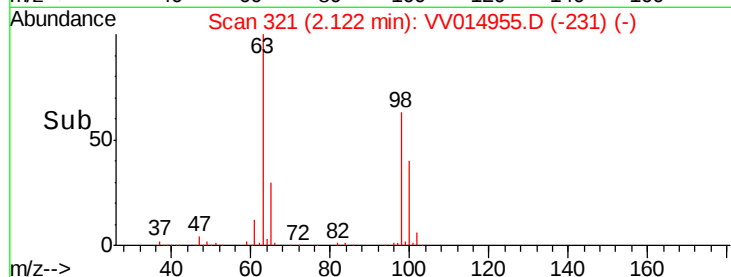
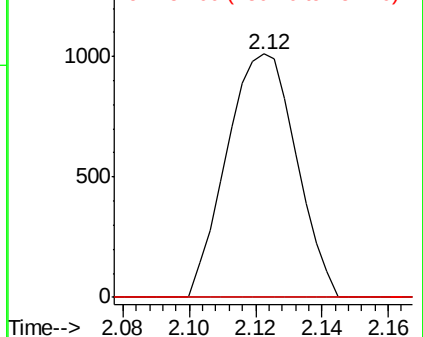
151 0.0 70.1 105.1#



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



#12

1,1-Dichloroethene

Concen: 0.808 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV014955.D

Acq: 16 Mar 2020 18:56

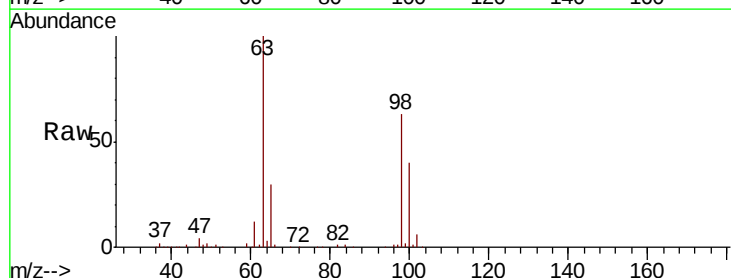
Tgt Ion: 96 Resp: 1395

Ion Ratio Lower Upper

96 100

61 1163.3 115.7 214.9#

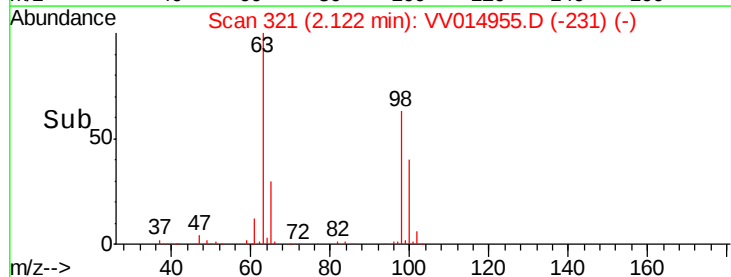
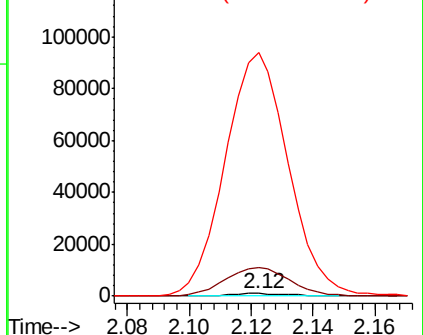
63 9814.0 99.2 184.2#

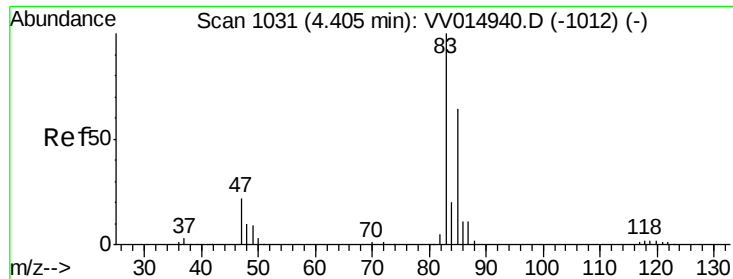


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

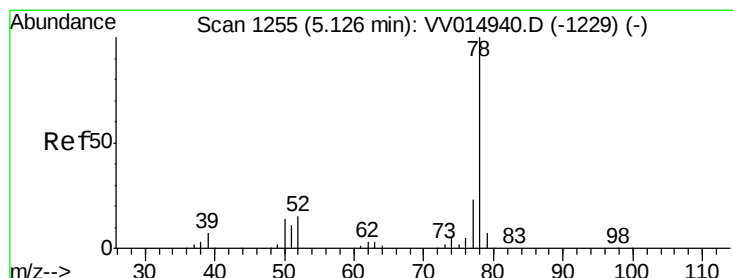
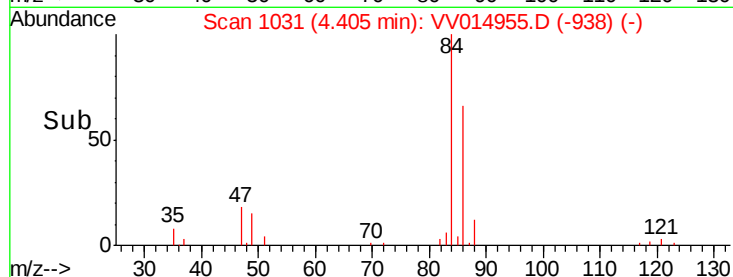
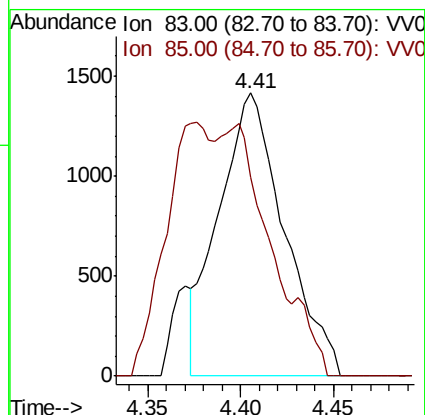
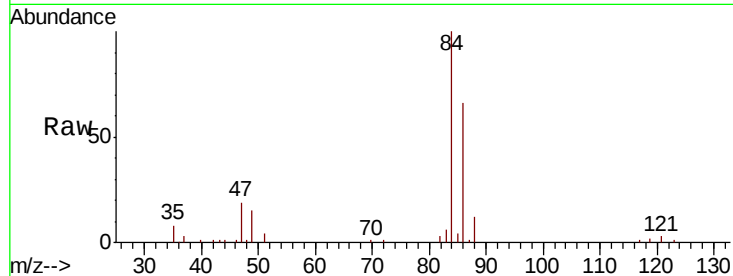




#25
Chloroform
Concen: 0.724 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV014955.D
Acq: 16 Mar 2020 18:56

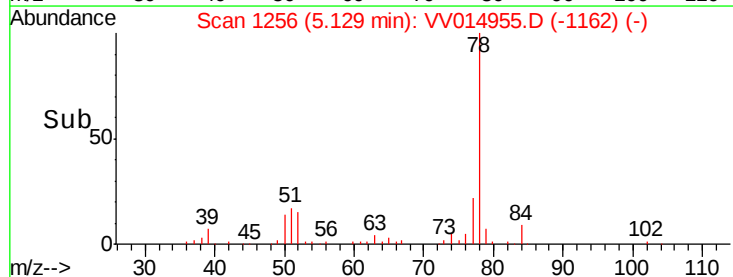
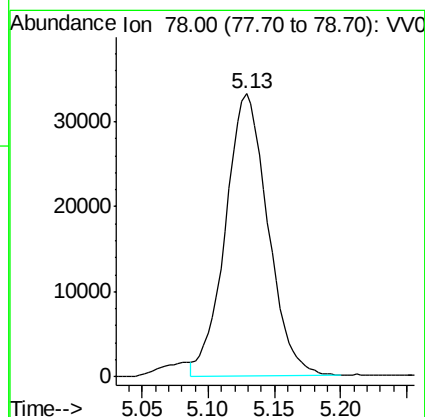
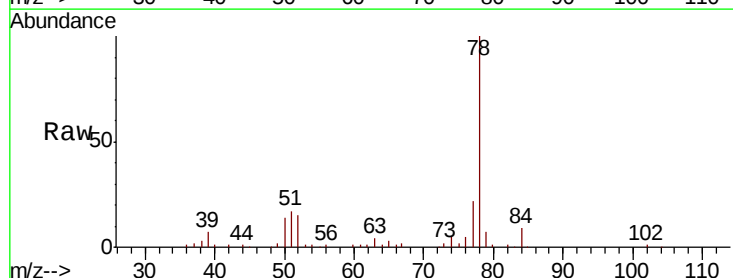
Instrument :
MSVOA_V
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C0D97

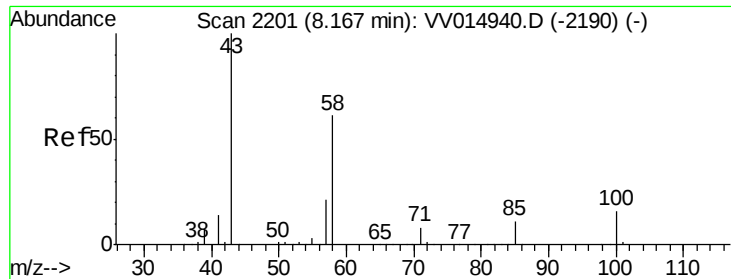
Tot Ion: 83 Resp: 3482
Ion Ratio Lower Upper
83 100
85 70.4 44.6 82.8



#33
Benzene
Concen: 7.640 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV014955.D
Acq: 16 Mar 2020 18:56

Tgt Ion: 78 Resp: 73679

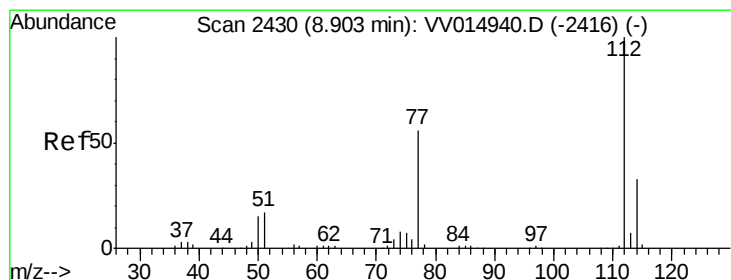
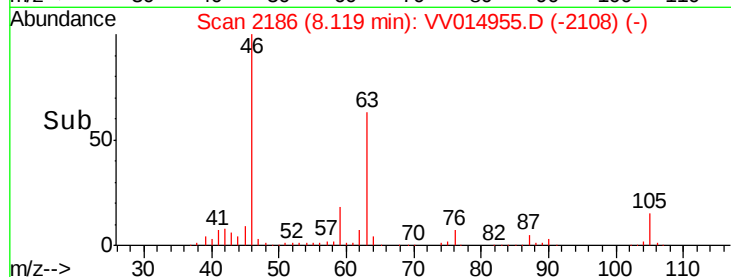
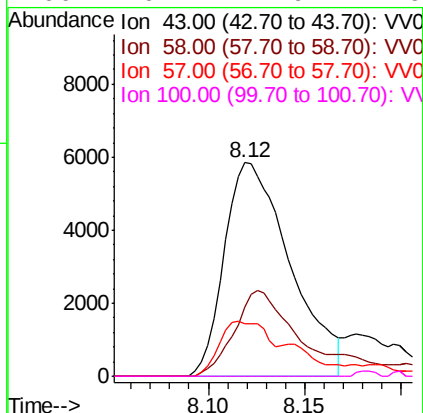
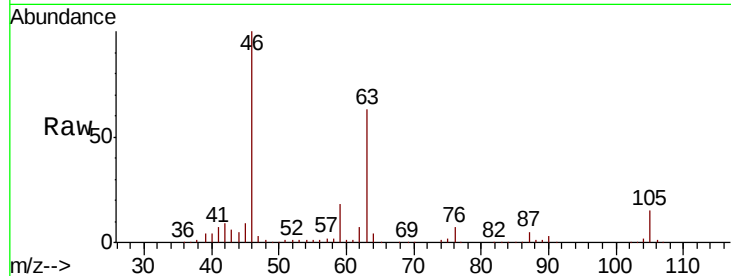




#48
2-Hexanone
Concen: 5.360 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV014955.D
Acq: 16 Mar 2020 18:56

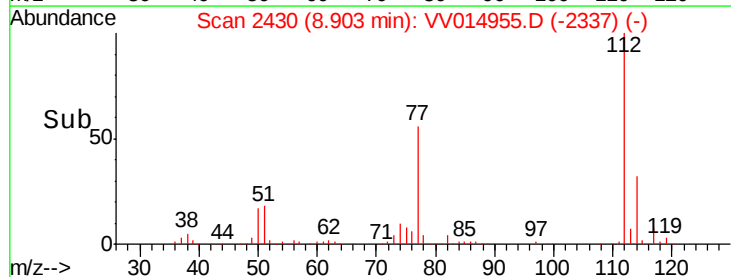
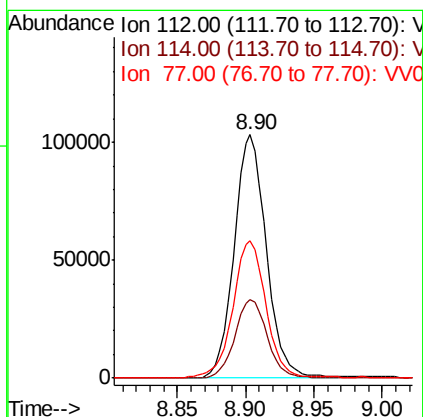
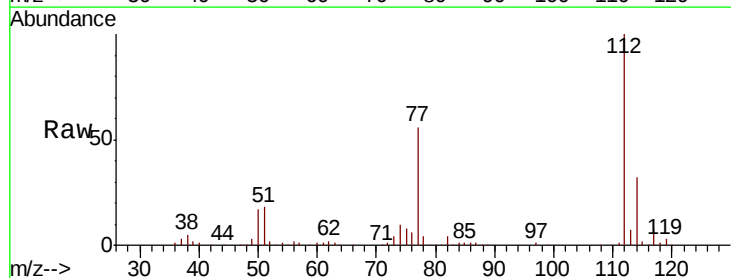
Instrument :
MSVOA_V
ClientSampleId :
C0D97

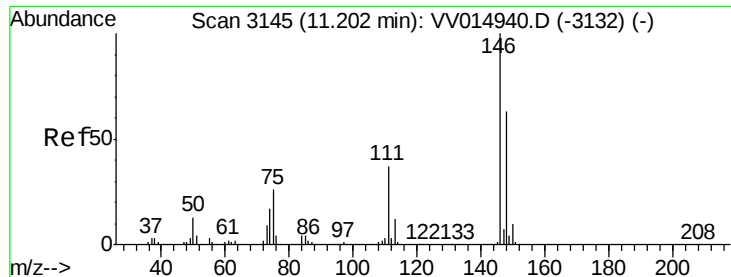
Tot Ion	Ratio	Lower	Upper
43	100		
58	36.0	46.9	70.3#
57	12.6	16.2	24.4#
100	0.7	11.9	17.9#



#51
Chlorobenzene
Concen: 22.606 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV014955.D
Acq: 16 Mar 2020 18:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.8	42.4
77	56.2	44.5	66.7





#62

1,3-Dichlorobenzene

Concen: 0.763 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV014955.D

Acq: 16 Mar 2020 18:56

Instrument :

MSVOA_V

ClientSampled :

C0D97

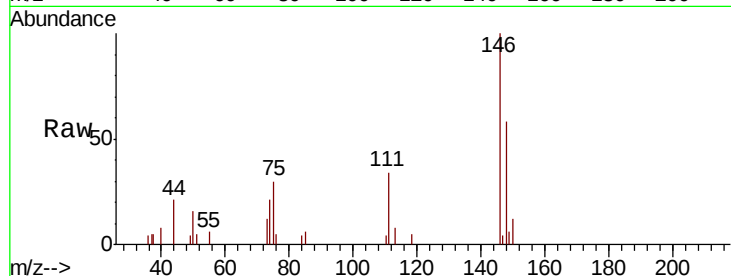
Tot Ion:146 Resp: 4414

Ion Ratio Lower Upper

146 100

111 34.3 26.5 49.3

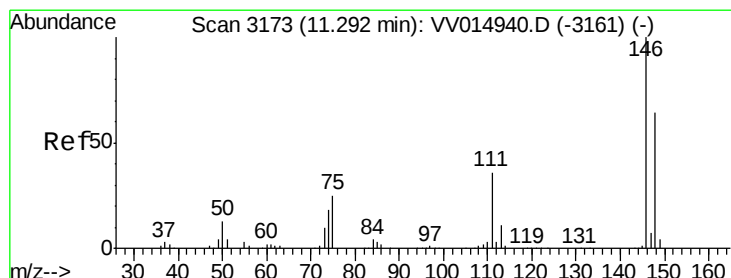
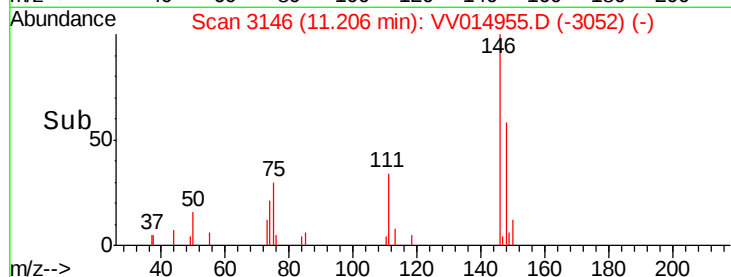
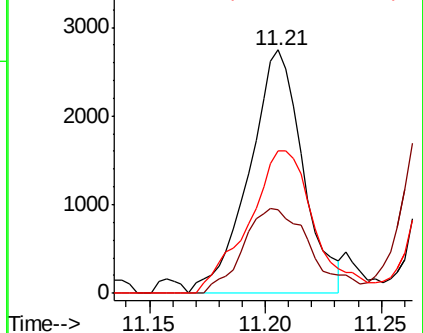
148 58.3 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 17.877 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV014955.D

Acq: 16 Mar 2020 18:56

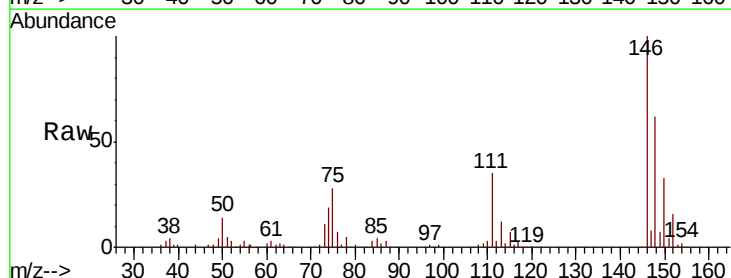
Tgt Ion:146 Resp: 104243

Ion Ratio Lower Upper

146 100

111 35.5 26.0 48.2

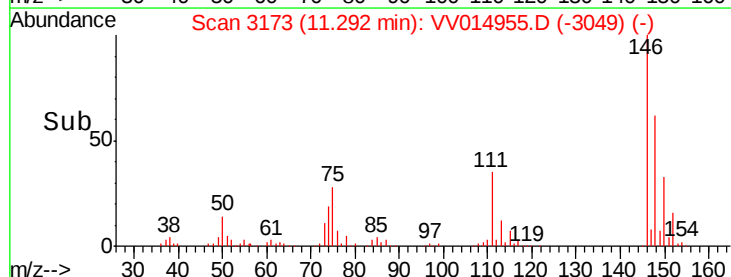
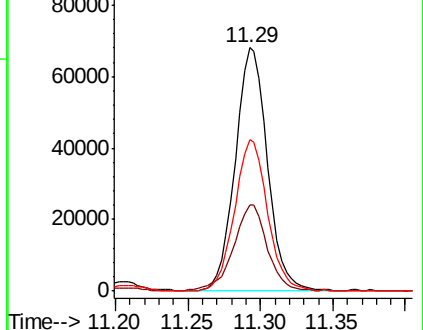
148 62.0 46.1 85.5

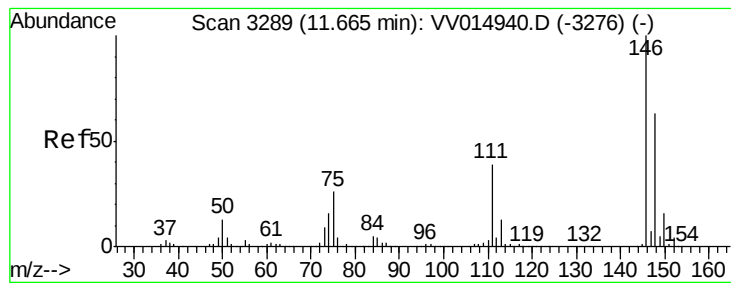


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 7.515 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV014955.D

Acq: 16 Mar 2020 18:56

Instrument :

MSVOA_V

ClientSampleId :

C0D97

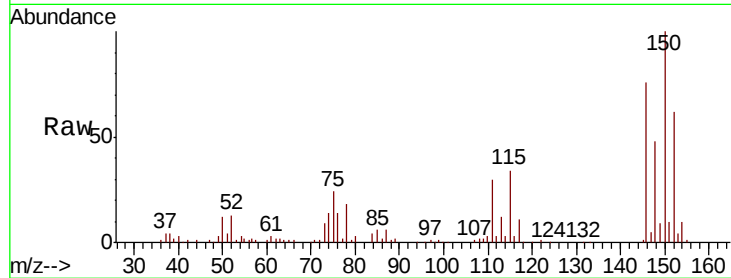
Tot Ion:146 Resp: 43455

Ion Ratio Lower Upper

146 100

111 38.8 31.6 47.4

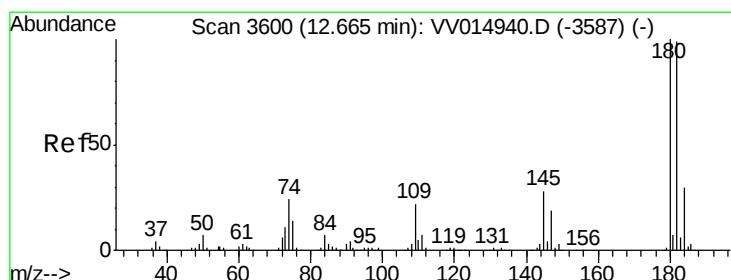
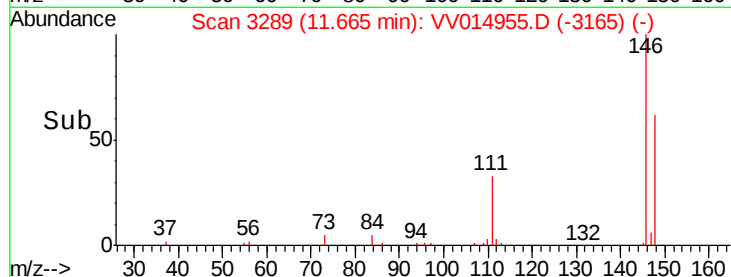
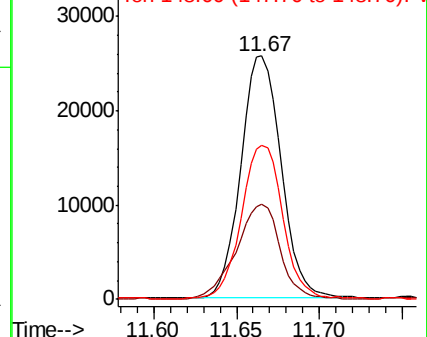
148 63.5 52.2 78.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 2.343 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV014955.D

Acq: 16 Mar 2020 18:56

Tgt Ion:180 Resp: 10635

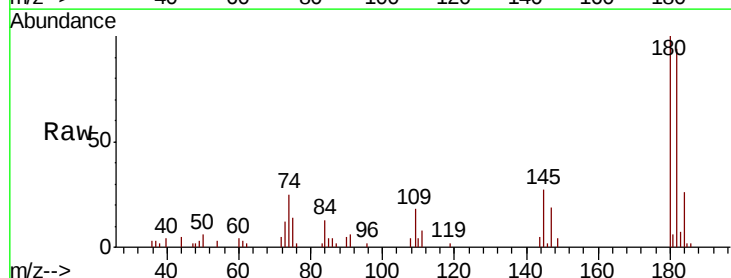
Ion Ratio Lower Upper

180 100

182 97.4 75.7 113.5

184 26.7 24.2 36.4

145 26.1 22.0 33.0

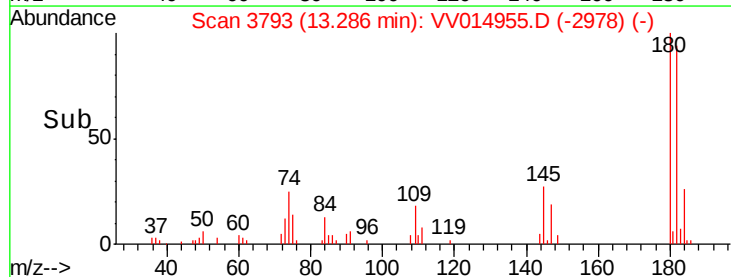
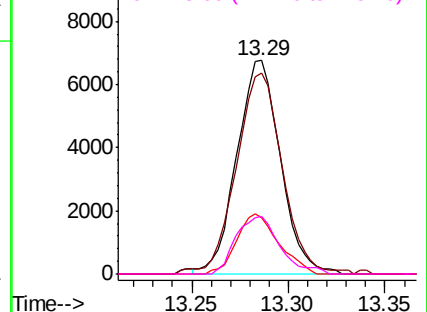


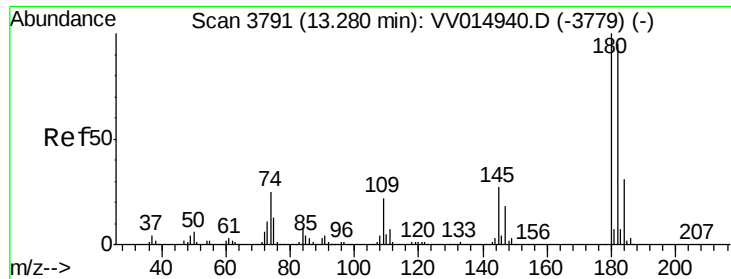
Abundance Ion 180.00 (179.70 to 180.70): V

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: 2.629 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.01 min
 Lab File: VV014955.D
 Acq: 16 Mar 2020 18:56

Instrument :
 MSVOA_V
 ClientSampleId :
 C0D97

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.3	114.5
145	26.1	23.1	34.7

