

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014950.D
 Acq On : 16 Mar 2020 16:55
 Operator : SY/MD
 Sample : L1890-15
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DG8

Quant Time: Mar 18 03:20:51 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	355692	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	347191	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168601	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	108010	45.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.16%
7) Chloroethane-d5	1.58	69	83036	47.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.36%
11) 1,1-Dichloroethene-d2	2.12	63	130863	35.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.98%
21) 2-Butanone-d5	3.93	46	122237	84.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.60%
24) Chloroform-d	4.38	84	226642	45.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.82%
26) 1,2-Dichloroethane-d4	5.06	65	148629	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
32) Benzene-d6	5.08	84	465067	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.24%
36) 1,2-Dichloropropane-d6	6.10	67	138745	48.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.42%
41) Toluene-d8	7.34	98	448411	47.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	7.64	79	69757	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.14%
47) 2-Hexanone-d5	8.12	63	128533	99.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.98%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	196079	47.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.04%
64) 1,2-Dichlorobenzene-d4	11.65	152	186744	50.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.12%

Target Compounds

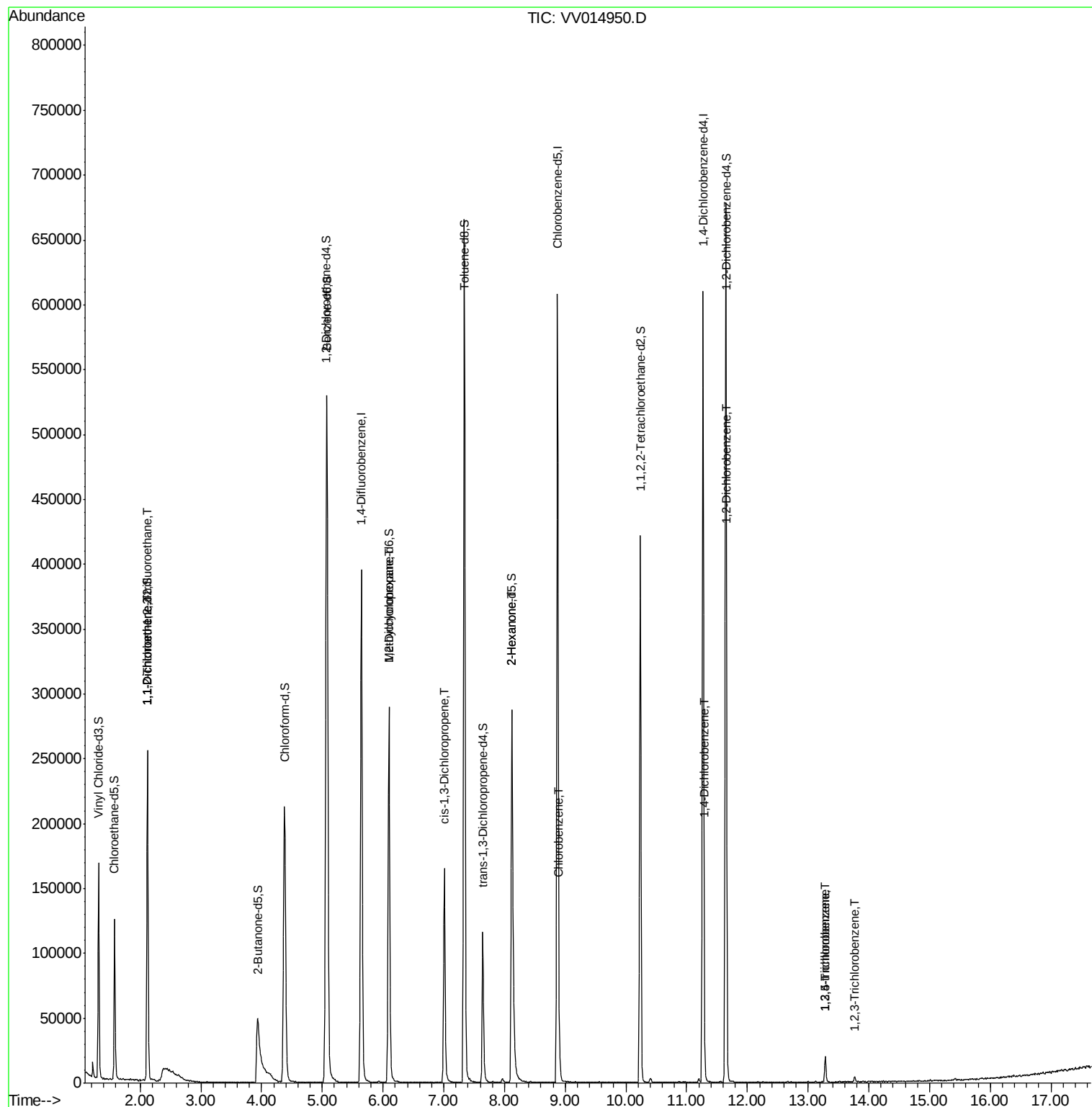
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1556	0.849 ug/L #	18
12) 1,1-Dichloroethene	2.12	96	1210	0.724 ug/L #	1
35) Methylcyclohexane	6.10	83	35087	8.579 ug/L #	20
39) cis-1,3-Dichloropropene	7.01	75	4402	1.131 ug/L #	57
48) 2-Hexanone	8.12	43	16191	6.401 ug/L #	73
51) Chlorobenzene	8.90	112	9123	1.246 ug/L	91
63) 1,4-Dichlorobenzene	11.30	146	7422	1.326 ug/L	91
65) 1,2-Dichlorobenzene	11.67	146	4340	0.782 ug/L	87
67) 1,3,5-Trichlorobenzene	13.28	180	7505	1.723 ug/L	96
68) 1,2,4-trichlorobenzene	13.28	180	7505	1.933 ug/L	94
70) 1,2,3-Trichlorobenzene	13.77	180	1770	0.461 ug/L #	90

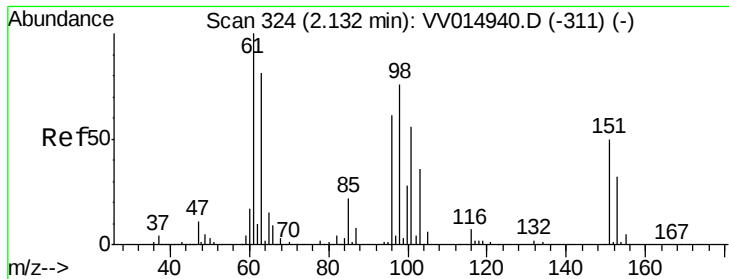
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 18 03:17:46 2020
Response via : Initial Calibration





#10

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

Concen: 0.849 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014950.D

Acq: 16 Mar 2020 16:55

Instrument :

MSVOA_V

ClientSampleId :

C0DG8

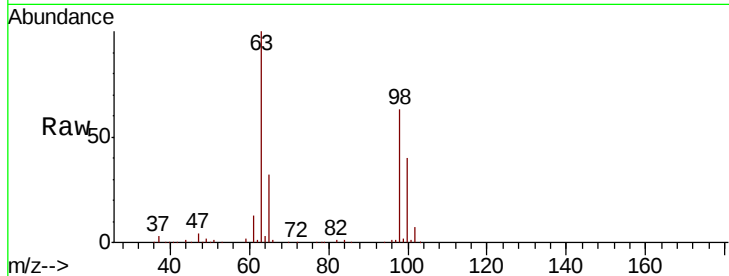
Tot Ion:101 Resp: 1556

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

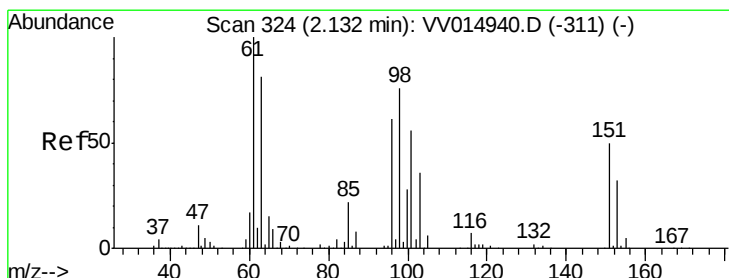
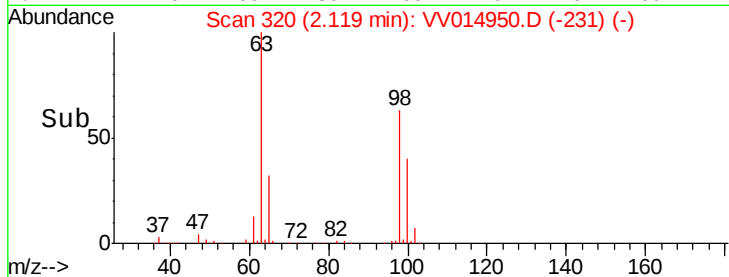
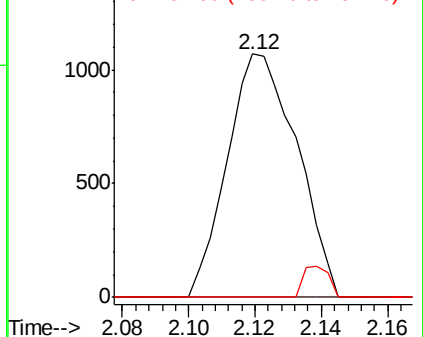
151 4.7 70.1 105.1#



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: 0.724 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014950.D

Acq: 16 Mar 2020 16:55

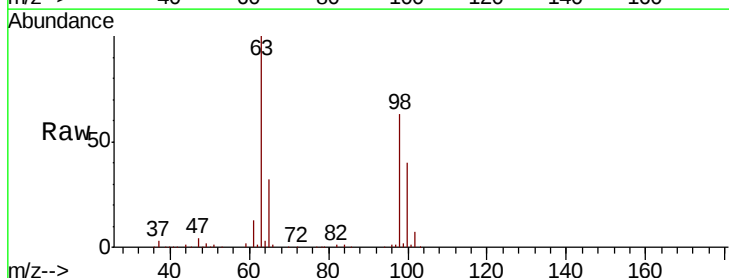
Tgt Ion: 96 Resp: 1210

Ion Ratio Lower Upper

96 100

61 1245.2 115.7 214.9#

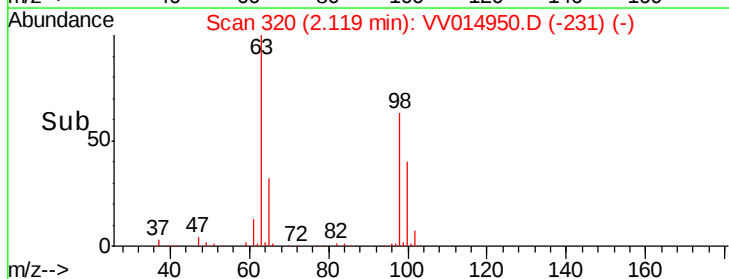
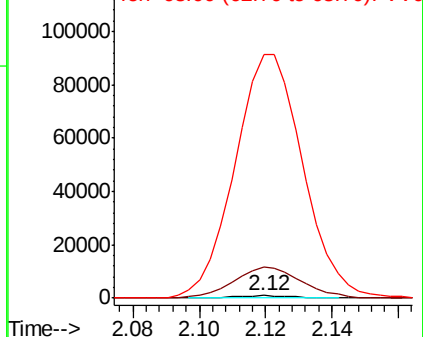
63 9823.7 99.2 184.2#

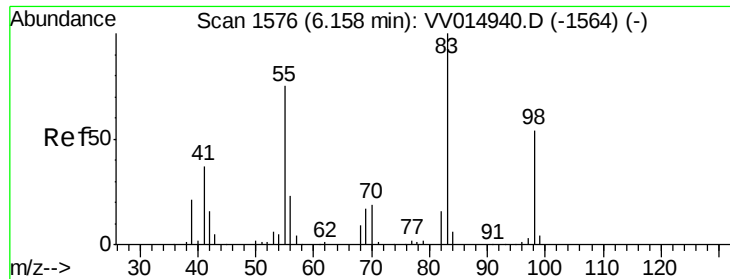


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

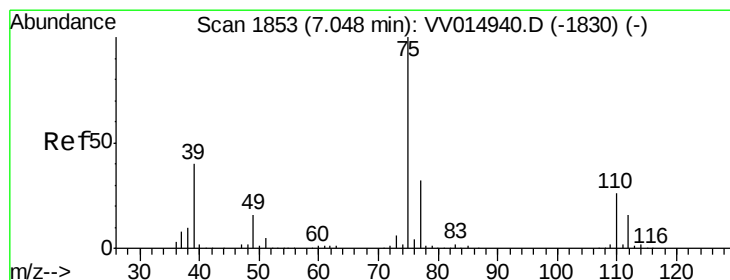
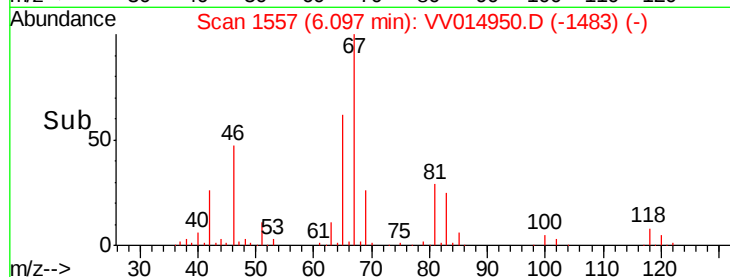
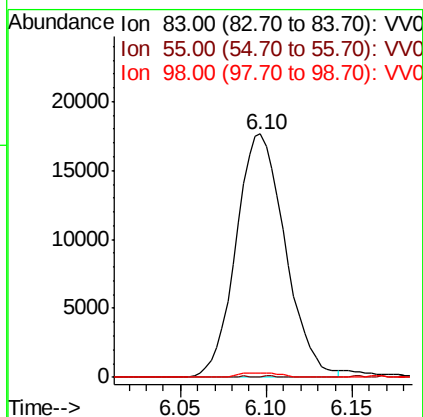
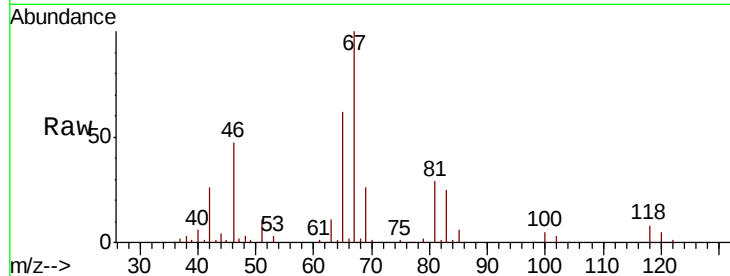




#35
Methvlcvclohexane
Concen: 8.579 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV014950.D
Acq: 16 Mar 2020 16:55

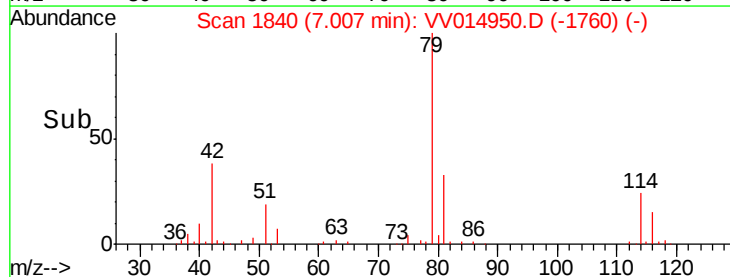
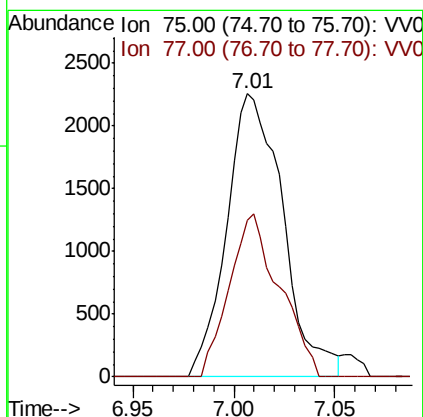
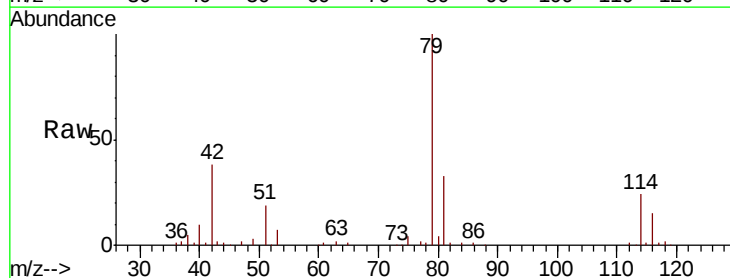
Instrument :
MSVOA_V
ClientSampleId :
C0DG8

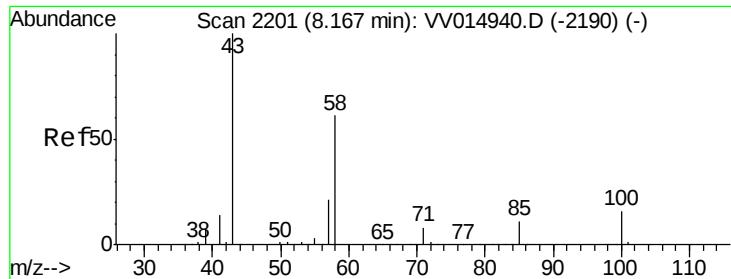
Tot Ion: 83 Resp: 35087
Ion Ratio Lower Upper
83 100
55 0.1 57.5 86.3#
98 1.6 39.5 59.3#



#39
cis-1,3-Dichloropropene
Concen: 1.131 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV014950.D
Acq: 16 Mar 2020 16:55

Tgt Ion: 75 Resp: 4402
Ion Ratio Lower Upper
75 100
77 55.1 21.8 40.6#

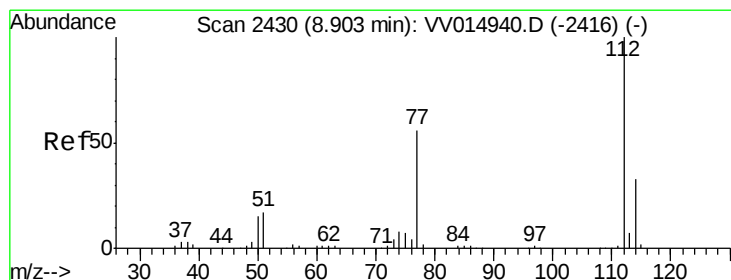
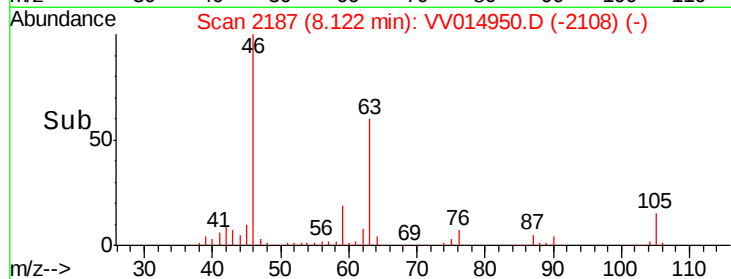
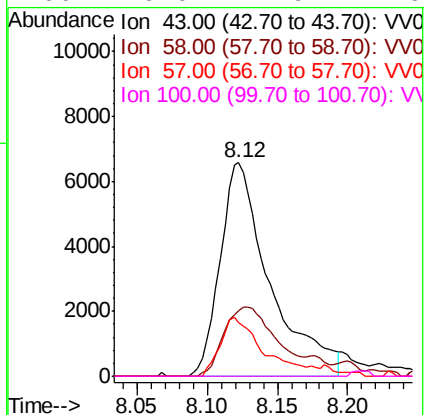
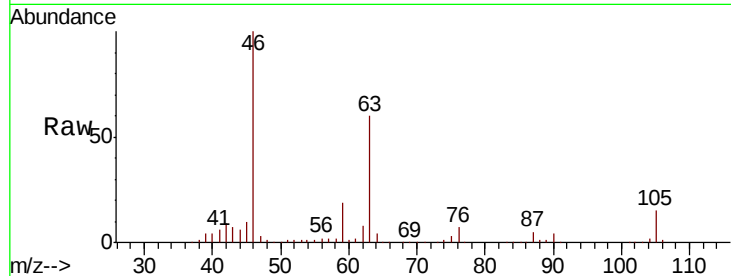




#48
2-Hexanone
Concen: 6.401 ug/L
RT: 8.12 min Scan# 2187
Delta R.T. -0.04 min
Lab File: VV014950.D
Acq: 16 Mar 2020 16:55

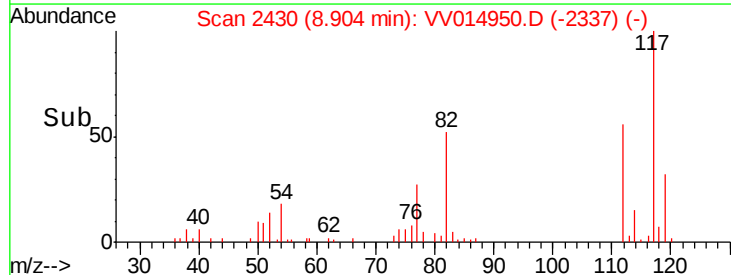
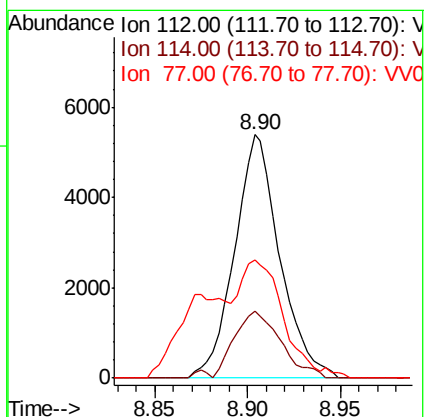
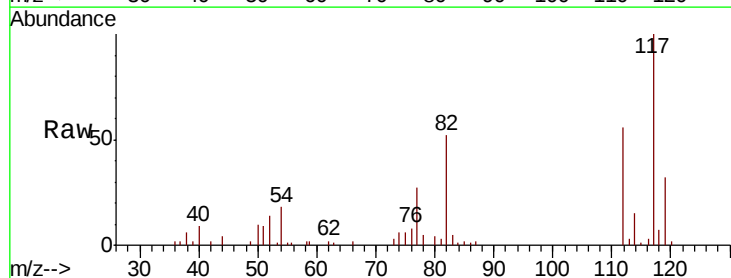
Instrument :
MSVOA_V
ClientSampleId :
C0DG8

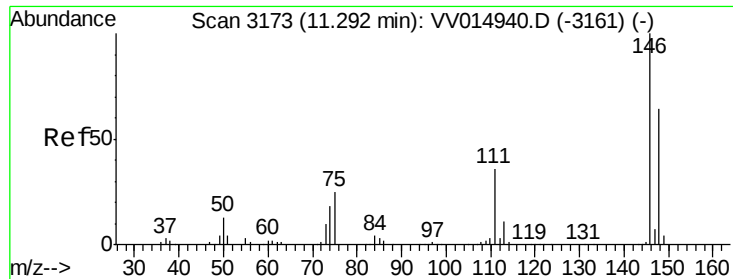
Tot Ion	Ratio	Lower	Upper
43	100		
58	33.6	46.9	70.3#
57	18.6	16.2	24.4
100	0.0	11.9	17.9#



#51
Chlorobenzene
Concen: 1.246 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014950.D
Acq: 16 Mar 2020 16:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	27.5	22.8	42.4
77	48.7	44.5	66.7





#63

1,4-Dichlorobenzene

Concen: 1.326 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV014950.D

Acq: 16 Mar 2020 16:55

Instrument :

MSVOA_V

ClientSampled :

C0DG8

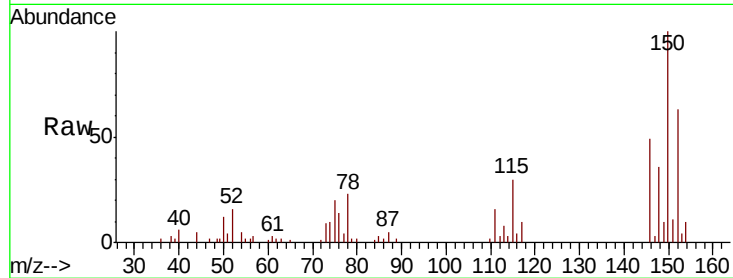
Tot Ion:146 Resp: 7422

Ion Ratio Lower Upper

146 100

111 33.5 26.0 48.2

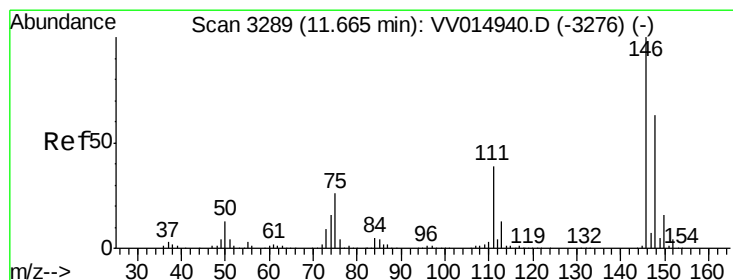
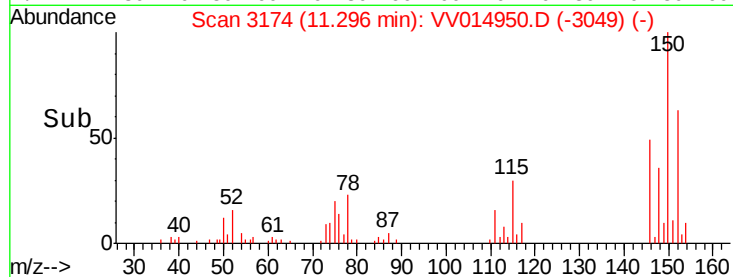
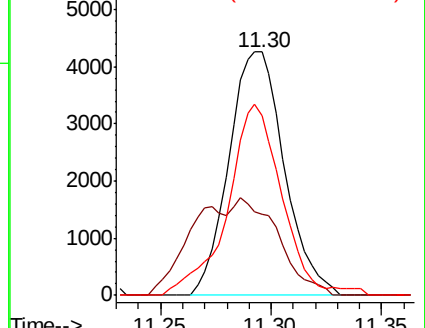
148 73.9 46.1 85.5



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: 0.782 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV014950.D

Acq: 16 Mar 2020 16:55

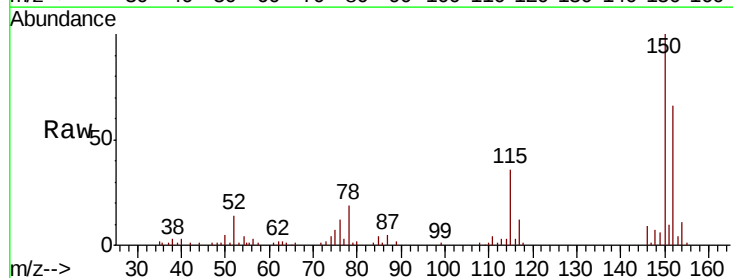
Tgt Ion:146 Resp: 4340

Ion Ratio Lower Upper

146 100

111 47.3 31.6 47.4

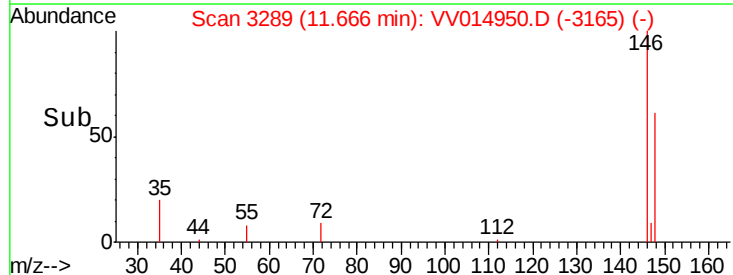
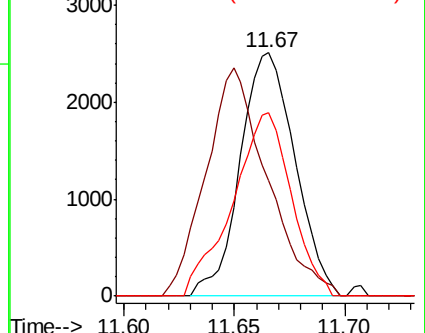
148 75.3 52.2 78.4

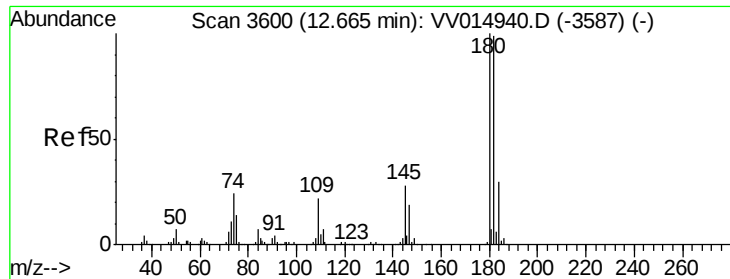


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

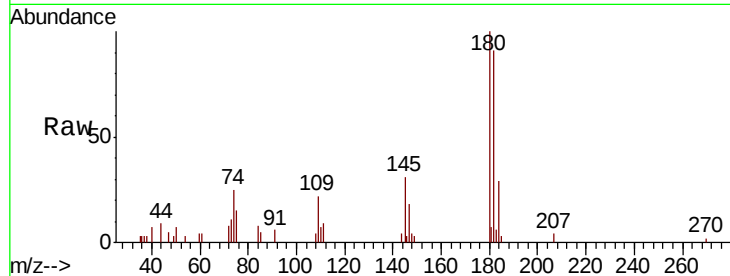




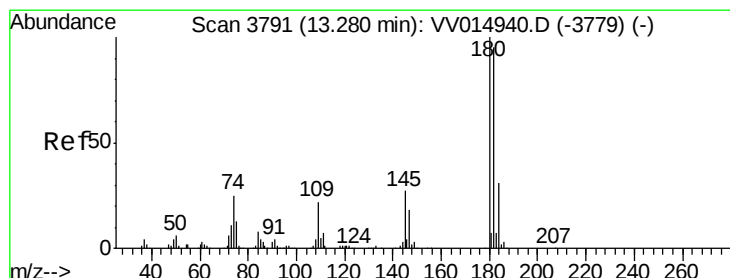
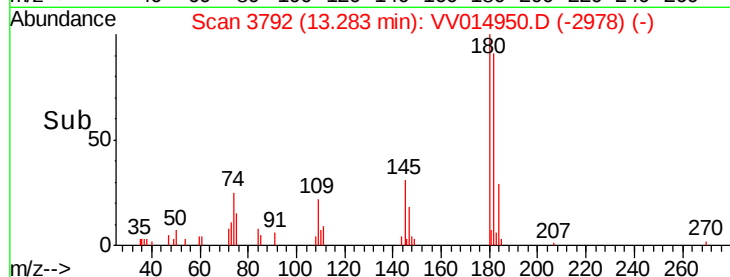
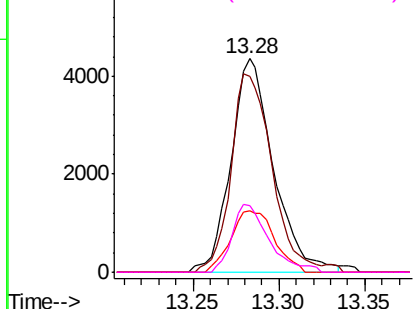
#67
 1,3,5-Trichlorobenzene
 Concen: 1.723 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV014950.D
 Acq: 16 Mar 2020 16:55

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DG8

Tot Ion:180 Resp: 7505
 Ion Ratio Lower Upper
 180 100
 182 89.1 75.7 113.5
 184 29.4 24.2 36.4
 145 27.2 22.0 33.0

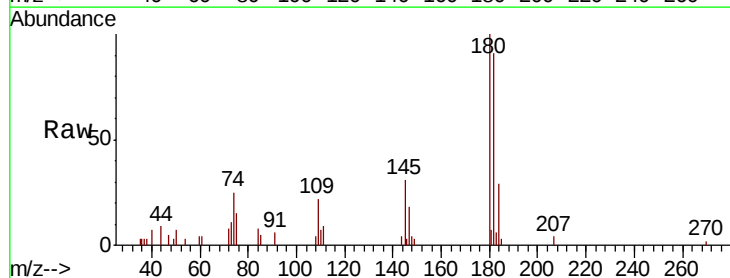


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

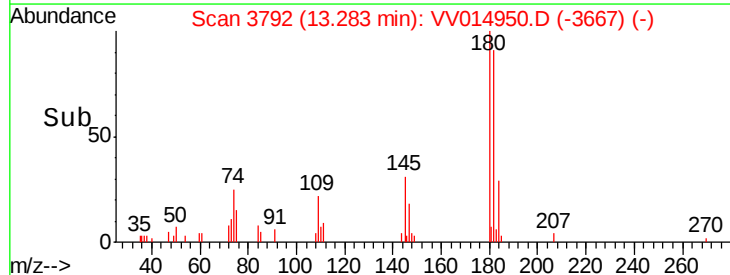
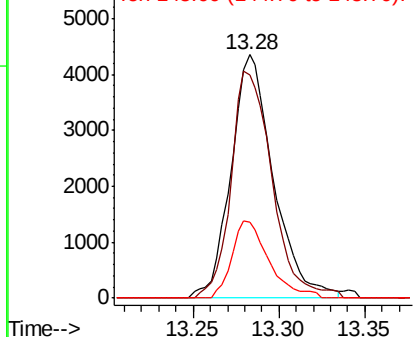


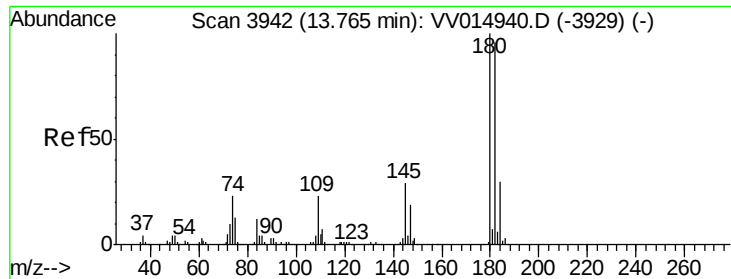
#68
 1,2,4-trichlorobenzene
 Concen: 1.933 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014950.D
 Acq: 16 Mar 2020 16:55

Tgt Ion:180 Resp: 7505
 Ion Ratio Lower Upper
 180 100
 182 89.1 76.3 114.5
 145 27.2 23.1 34.7



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: 0.461 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV014950.D
 Acq: 16 Mar 2020 16:55

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DG8

Tot Ion:180 Resp: 1770
 Ion Ratio Lower Upper
 180 100
 182 102.4 76.2 114.4
 145 18.9 24.1 36.1#

