

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014958.D
 Acq On : 16 Mar 2020 20:08
 Operator : SY/MD
 Sample : L1940-12
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DA6

Quant Time: Mar 18 03:22:03 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	352941	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	342608	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	170468	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99735	42.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.84%
7) Chloroethane-d5	1.58	69	79561	45.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.12%
11) 1,1-Dichloroethene-d2	2.12	63	123173	34.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.28%
21) 2-Butanone-d5	3.93	46	108543	75.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	75.71%
24) Chloroform-d	4.38	84	217881	44.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.94%
26) 1,2-Dichloroethane-d4	5.06	65	144504	46.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.12%
32) Benzene-d6	5.08	84	446377	47.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.58%
36) 1,2-Dichloropropane-d6	6.10	67	134140	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.46%
41) Toluene-d8	7.34	98	434222	46.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.04%
43) trans-1,3-Dichloropropene-	7.64	79	64616	43.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.48%
47) 2-Hexanone-d5	8.12	63	118210	93.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.18%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	185960	45.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.38%
64) 1,2-Dichlorobenzene-d4	11.65	152	183352	49.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1341	0.738 ug/L #	15
12) 1,1-Dichloroethene	2.13	96	1213	0.731 ug/L #	1
13) Acetone	2.20	43	3076	2.171 ug/L	96
33) Benzene	5.13	78	16827	1.805 ug/L	100
37) 1,2-Dichloropropane	6.10	63	14645	6.269 ug/L #	84
48) 2-Hexanone	8.12	43	12877	5.159 ug/L #	70
51) Chlorobenzene	8.90	112	112835	15.620 ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	5831	1.820 ug/L #	41
62) 1,3-Dichlorobenzene	11.20	146	23710	4.221 ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	264021	46.657 ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	172980	30.826 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.41	75	1475	1.749 ug/L #	1
67) 1,3,5-Trichlorobenzene	13.28	180	136377	30.964 ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	136377	34.740 ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	32363	8.328 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Wed Mar 18 03:17:46 2020
Response via : Initial Calibration

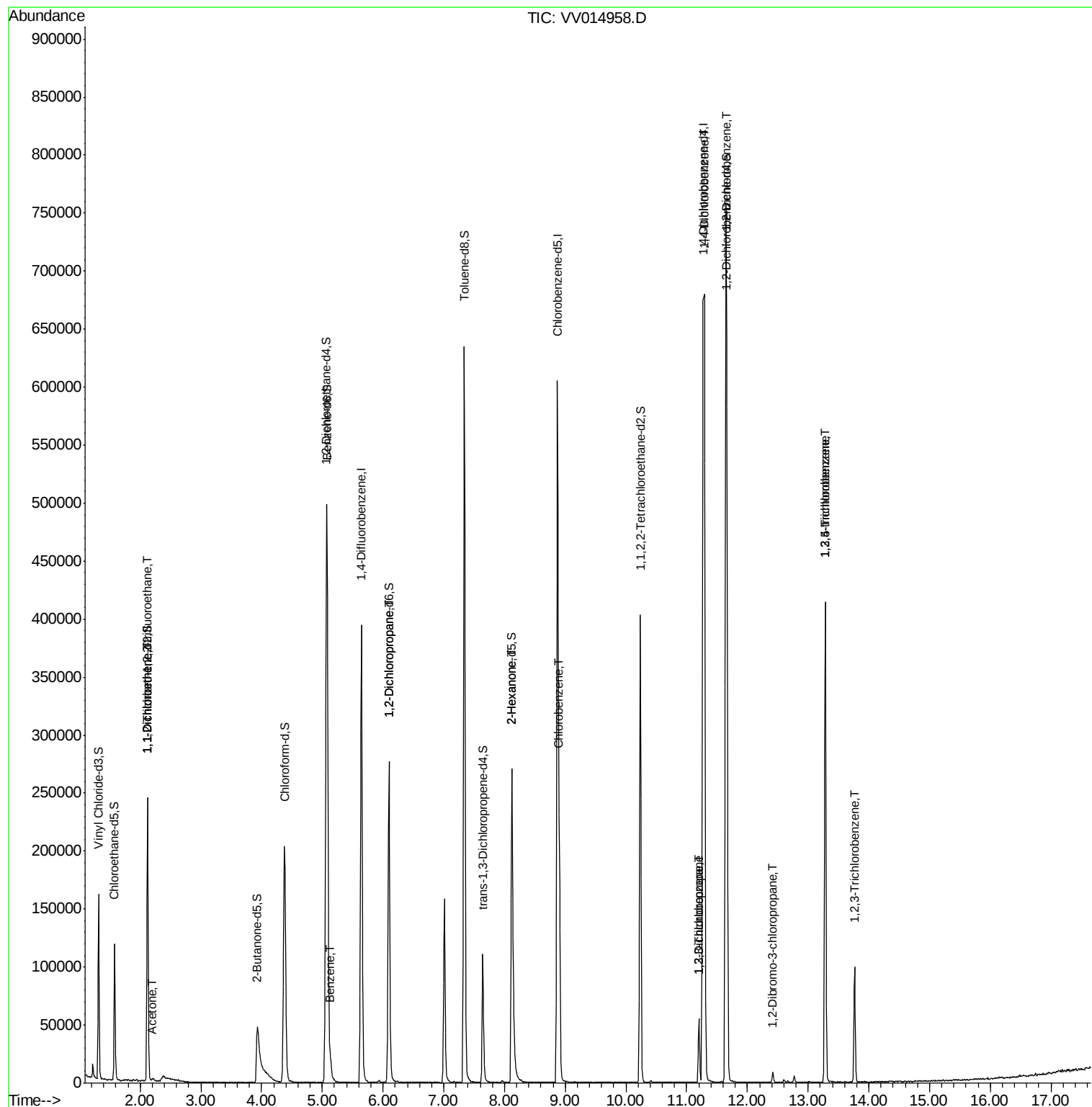
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

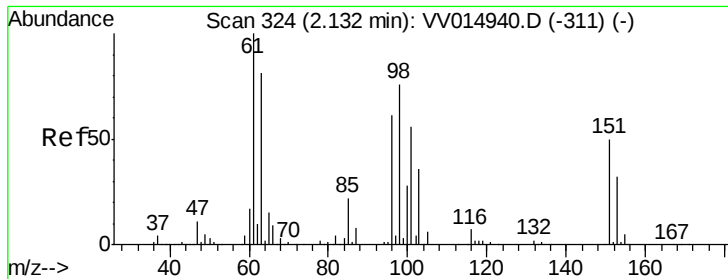
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#10

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

Concen: 0.738 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV014958.D

Acq: 16 Mar 2020 20:08

Instrument :

MSVOA_V

ClientSampleId :

C0DA6

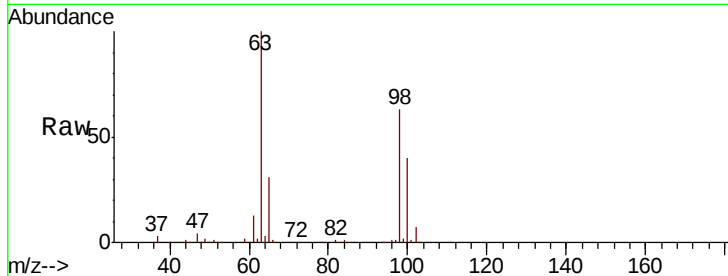
Tot Ion:101 Resp: 1341

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

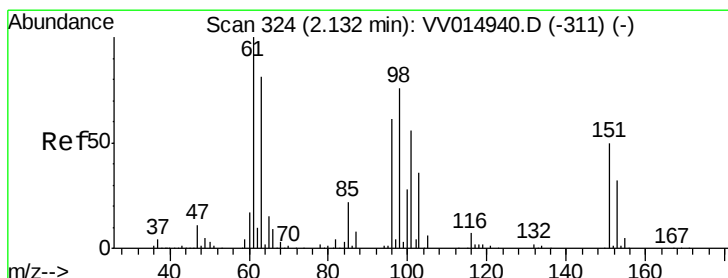
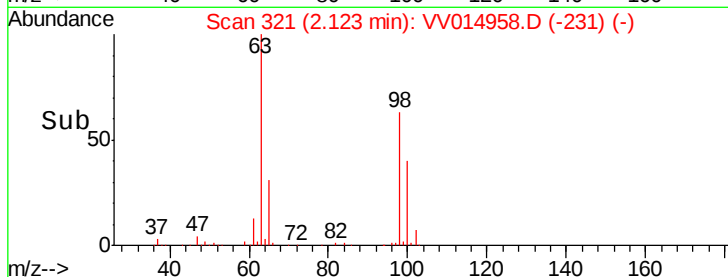
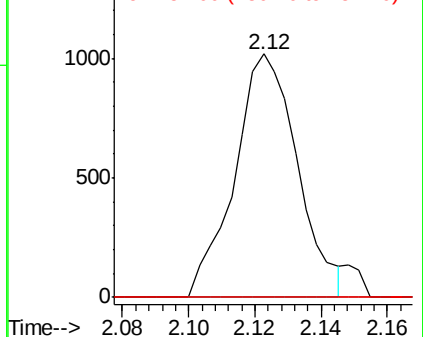
151 0.0 70.1 105.1#



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: 0.731 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV014958.D

Acq: 16 Mar 2020 20:08

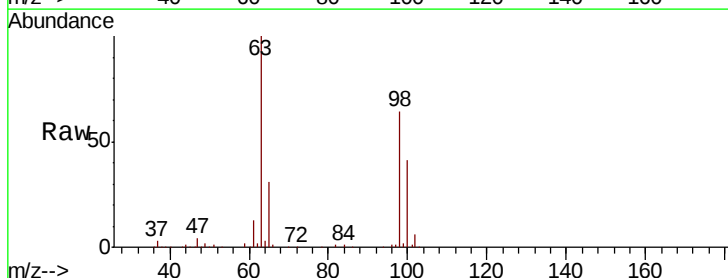
Tgt Ion: 96 Resp: 1213

Ion Ratio Lower Upper

96 100

61 1260.2 115.7 214.9#

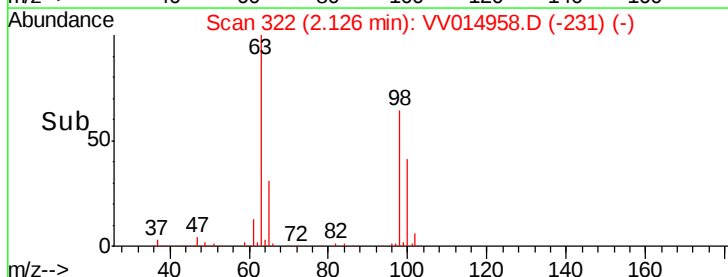
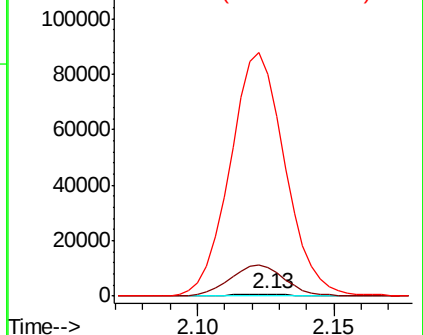
63 9907.5 99.2 184.2#

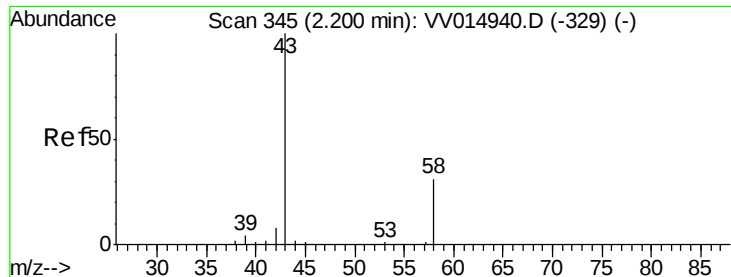


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.171 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV014958.D

Acq: 16 Mar 2020 20:08

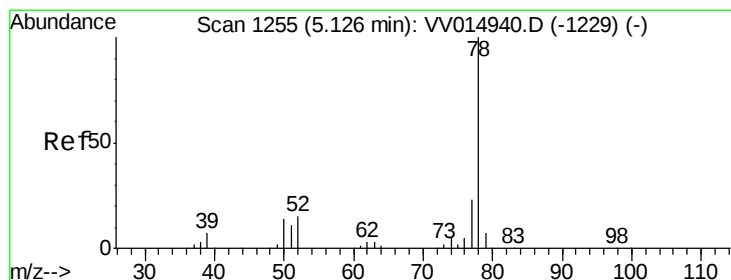
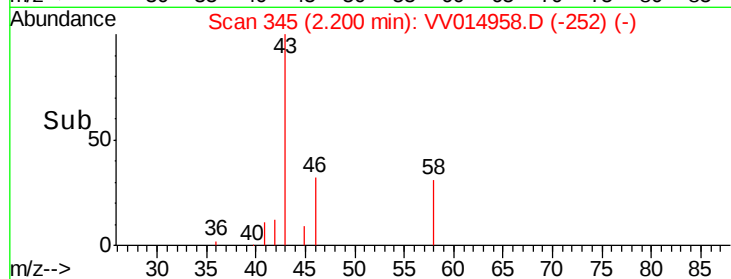
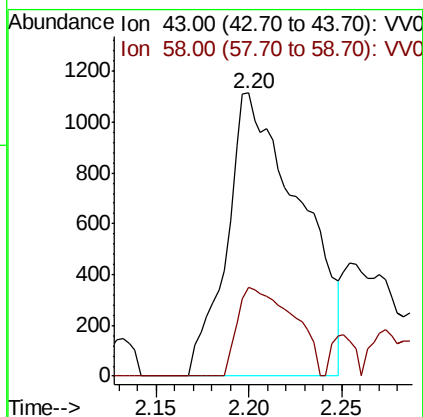
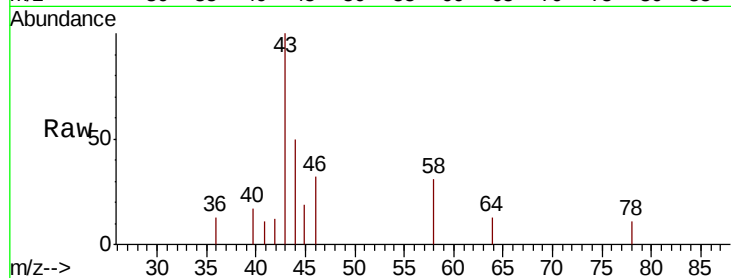
Instrument :
MSVOA_V
ClientSampleId :
C0DA6

Tot Ion: 43 Resp: 3076

Ion Ratio Lower Upper

43 100

58 23.9 0.0 51.6



#33

Benzene

Concen: 1.805 ug/L

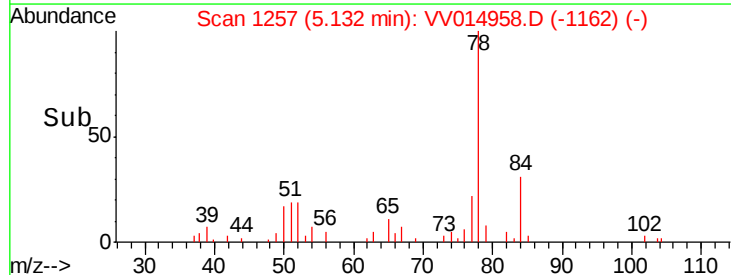
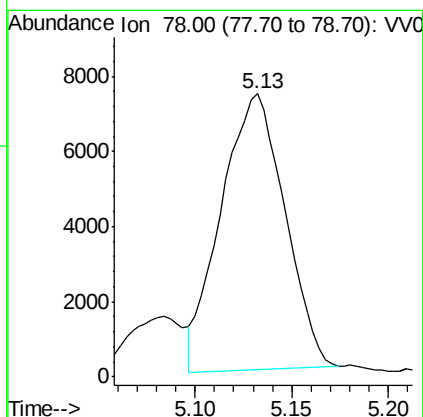
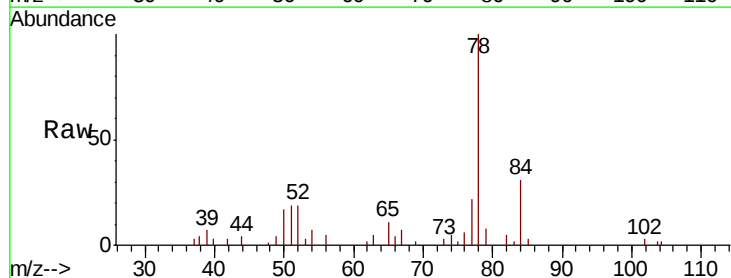
RT: 5.13 min Scan# 1257

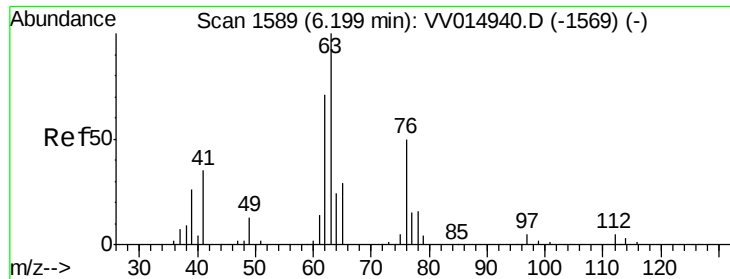
Delta R.T. 0.01 min

Lab File: VV014958.D

Acq: 16 Mar 2020 20:08

Tgt Ion: 78 Resp: 16827

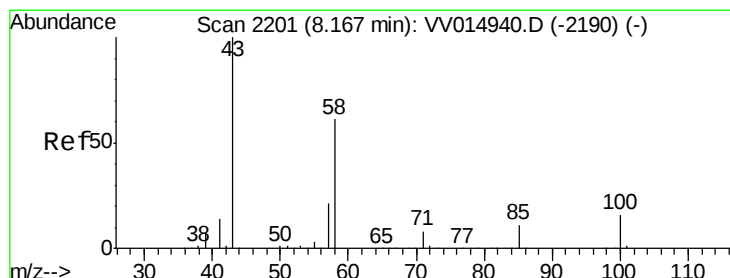
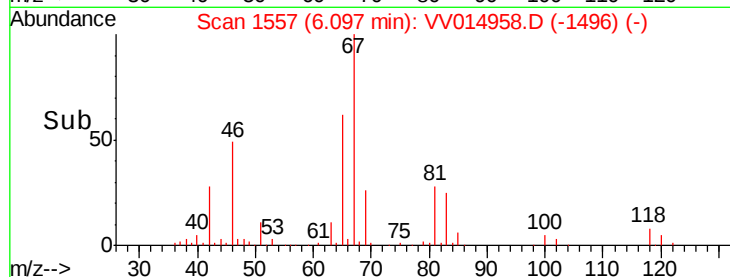
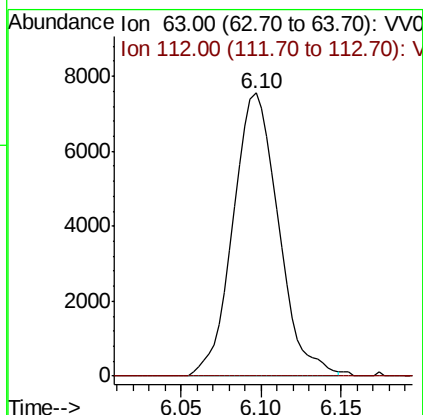
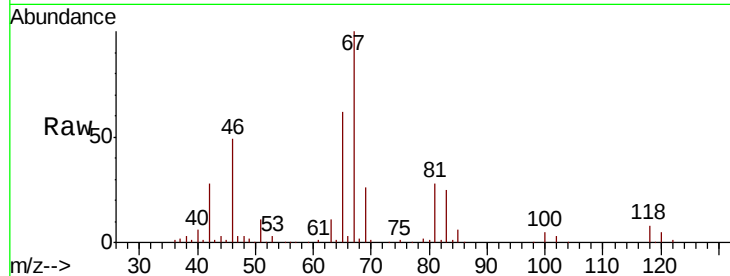




#37
 1,2-Dichloropropane
 Concen: 6.269 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV014958.D
 Acq: 16 Mar 2020 20:08

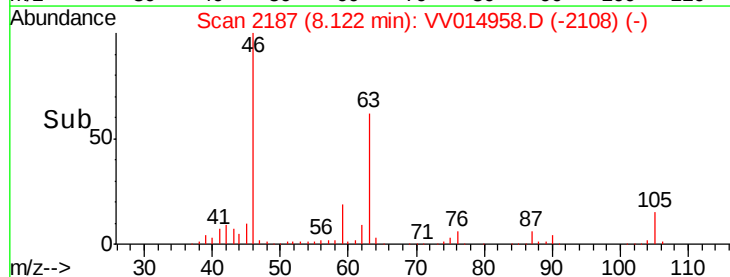
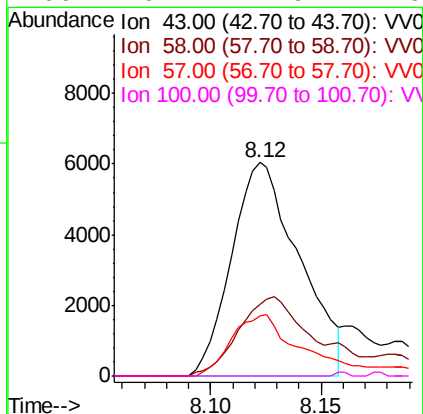
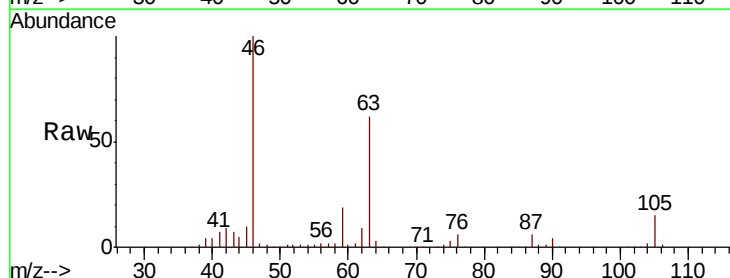
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DA6

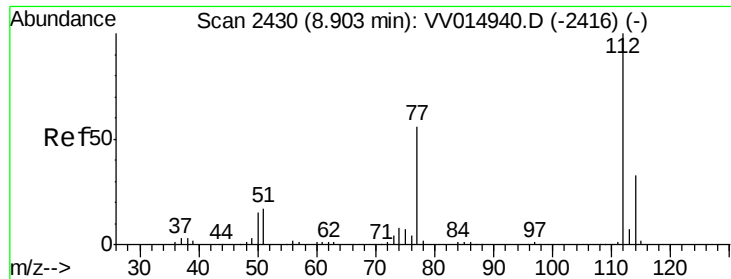
Tot Ion: 63 Resp: 14645
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.4 6.6#



#48
 2-Hexanone
 Concen: 5.159 ug/L
 RT: 8.12 min Scan# 2187
 Delta R.T. -0.04 min
 Lab File: VV014958.D
 Acq: 16 Mar 2020 20:08

Tgt Ion: 43 Resp: 12877
 Ion Ratio Lower Upper
 43 100
 58 35.1 46.9 70.3#
 57 30.2 16.2 24.4#
 100 0.4 11.9 17.9#





#51

Chlorobenzene

Concen: 15.620 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014958.D

Acq: 16 Mar 2020 20:08

Instrument :

MSVOA_V

ClientSampleId :

C0DA6

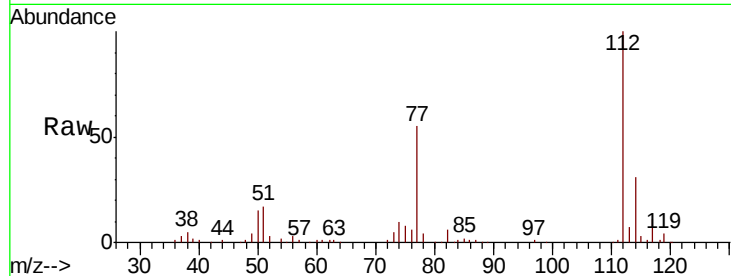
Tot Ion:112 Resp: 112835

Ion Ratio Lower Upper

112 100

114 31.4 22.8 42.4

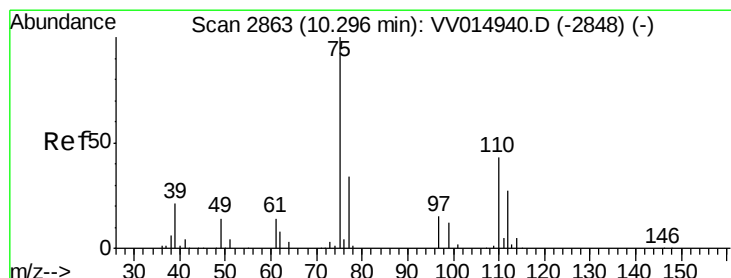
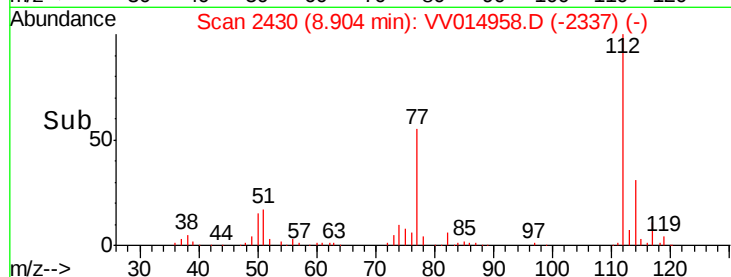
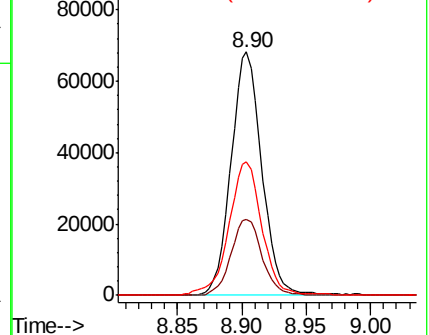
77 54.9 44.5 66.7



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): VV0



#59

1,2,3-Trichloropropane

Concen: 1.820 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV014958.D

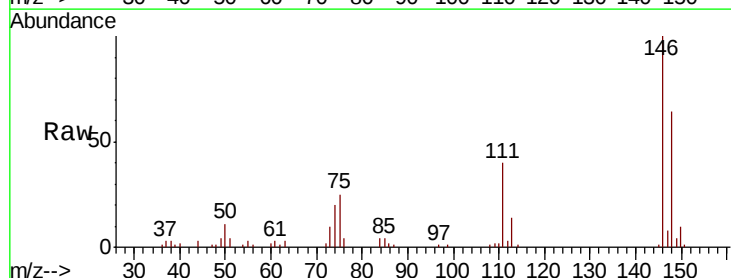
Acq: 16 Mar 2020 20:08

Tgt Ion: 75 Resp: 5831

Ion Ratio Lower Upper

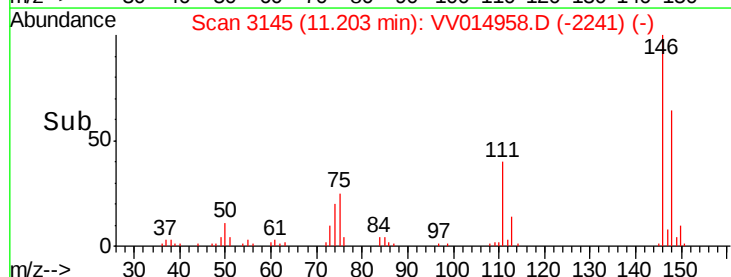
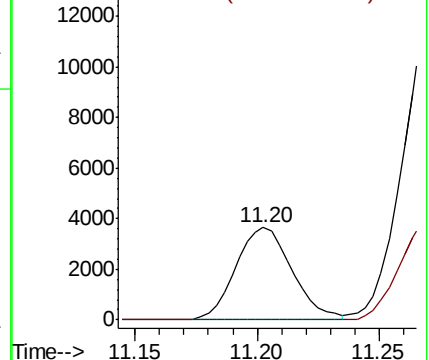
75 100

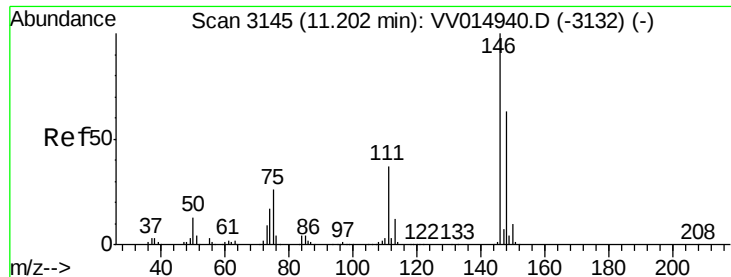
77 0.0 26.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 4.221 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014958.D

Acq: 16 Mar 2020 20:08

Instrument :

MSVOA_V

ClientSampled :

C0DA6

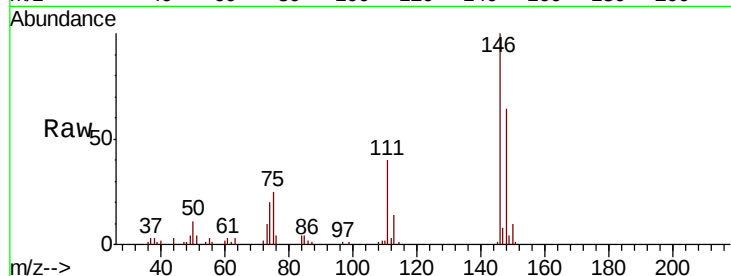
Tot Ion:146 Resp: 23710

Ion Ratio Lower Upper

146 100

111 40.5 26.5 49.3

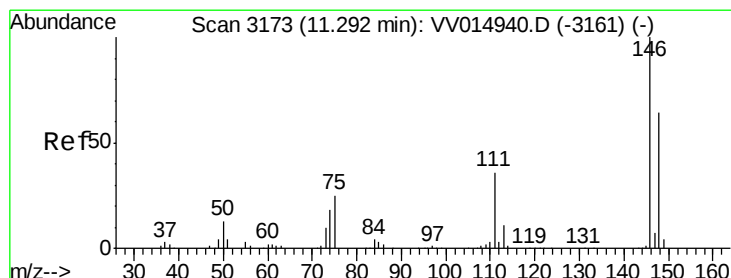
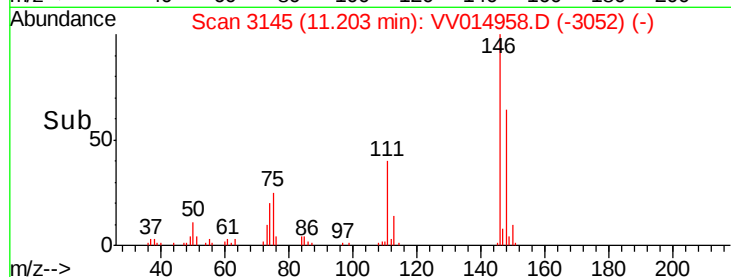
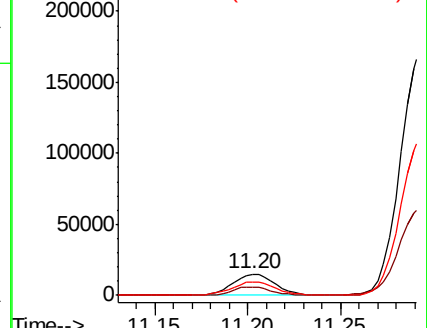
148 63.6 45.4 84.2



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: 46.657 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014958.D

Acq: 16 Mar 2020 20:08

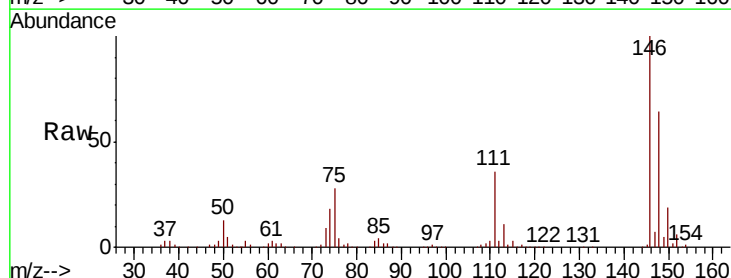
Tgt Ion:146 Resp: 264021

Ion Ratio Lower Upper

146 100

111 36.2 26.0 48.2

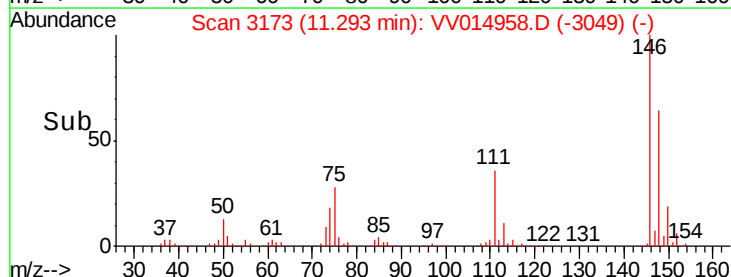
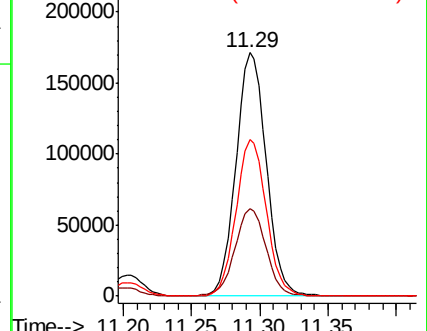
148 64.1 46.1 85.5

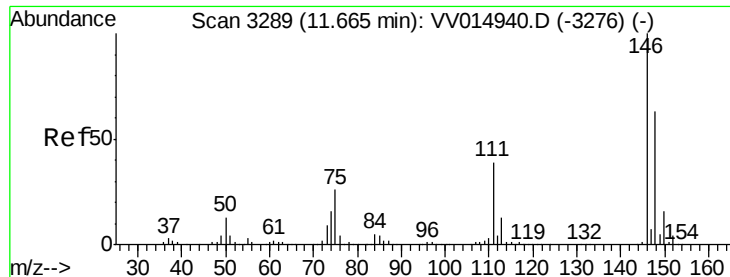


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 30.826 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV014958.D

Acq: 16 Mar 2020 20:08

Instrument :

MSVOA_V

ClientSampled :

C0DA6

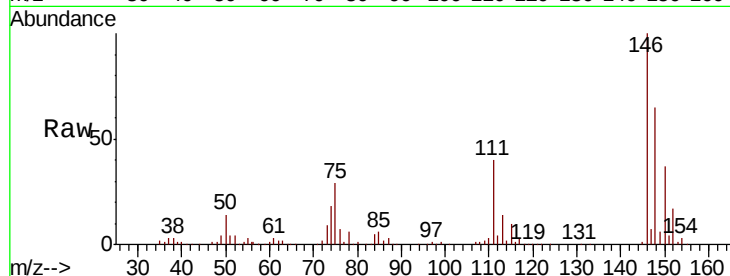
Tot Ion:146 Resp: 172980

Ion Ratio Lower Upper

146 100

111 40.2 31.6 47.4

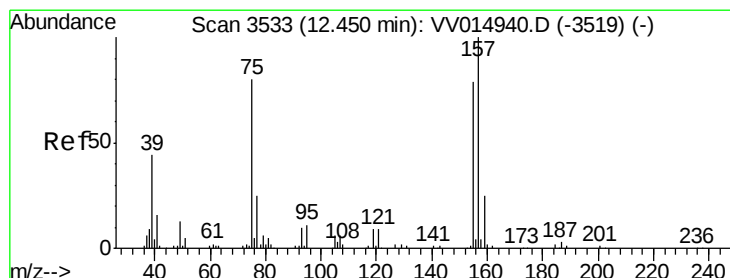
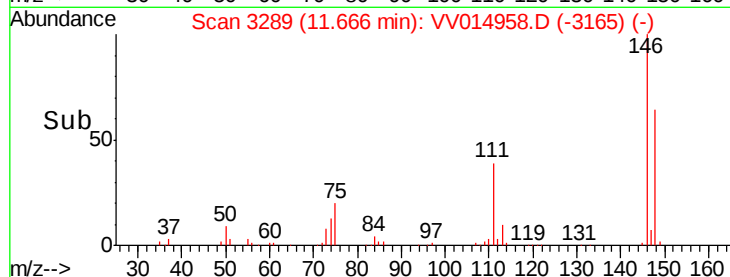
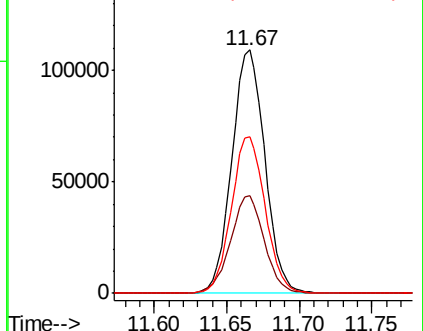
148 64.5 52.2 78.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 1.749 ug/L

RT: 12.41 min Scan# 3522

Delta R.T. -0.04 min

Lab File: VV014958.D

Acq: 16 Mar 2020 20:08

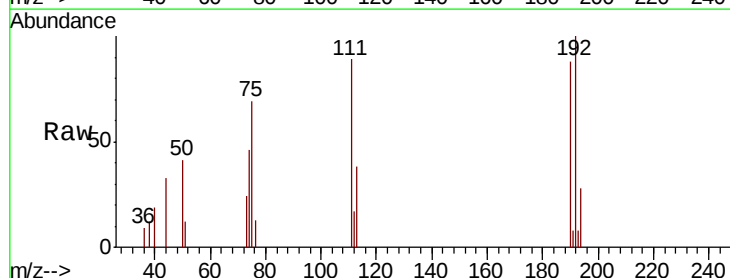
Tgt Ion: 75 Resp: 1475

Ion Ratio Lower Upper

75 100

155 0.0 77.7 116.5#

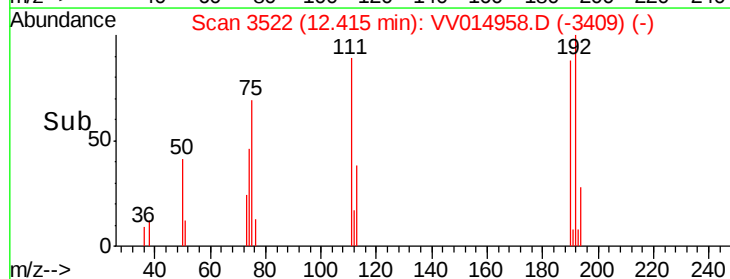
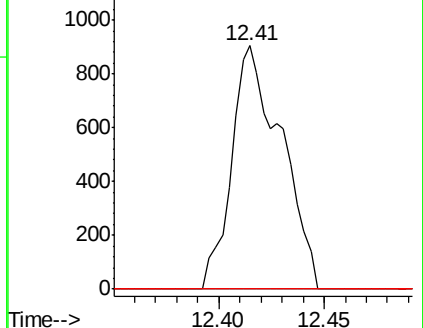
157 0.0 97.2 145.8#

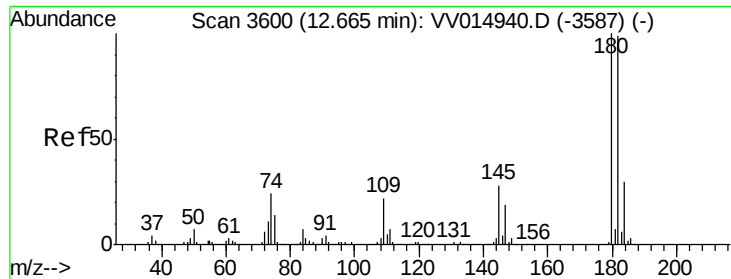


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

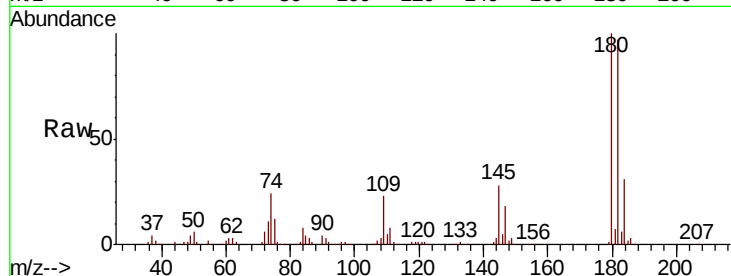




#67
 1,3,5-Trichlorobenzene
 Concen: 30.964 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV014958.D
 Acq: 16 Mar 2020 20:08

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DA6

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.7	113.5
184	30.5	24.2	36.4
145	27.9	22.0	33.0



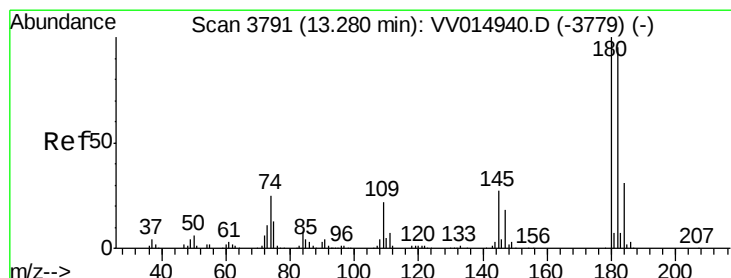
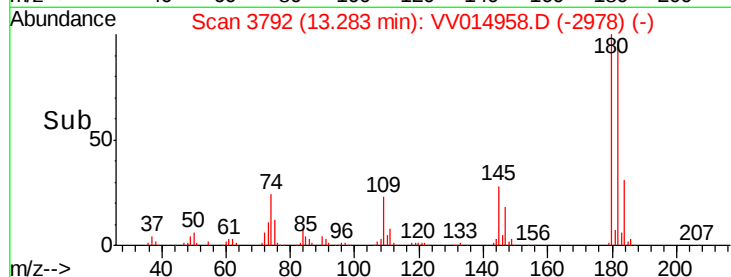
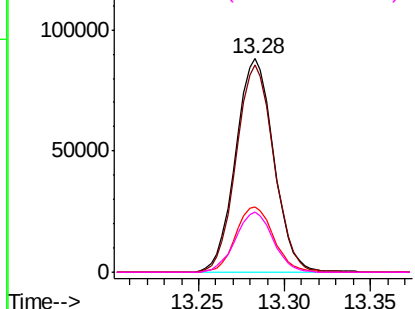
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

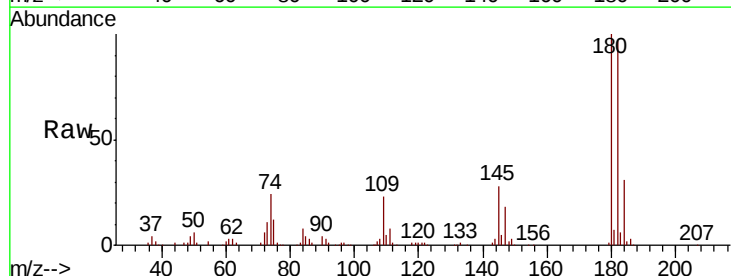
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 34.740 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014958.D
 Acq: 16 Mar 2020 20:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.3	114.5
145	27.9	23.1	34.7

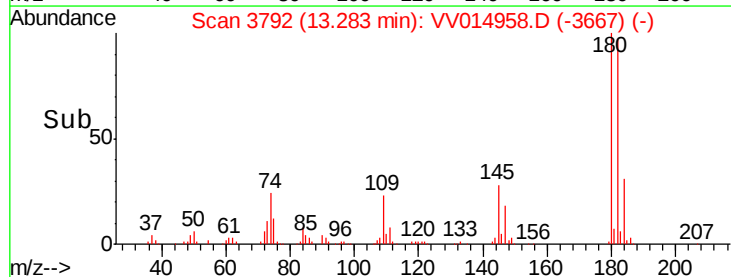
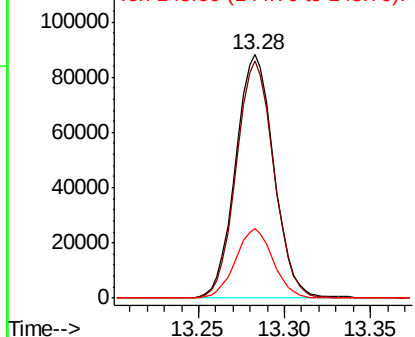


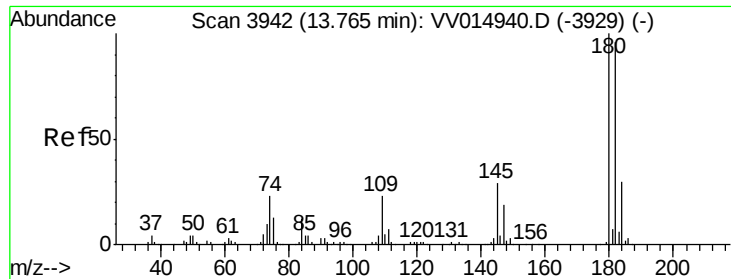
Abundance

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

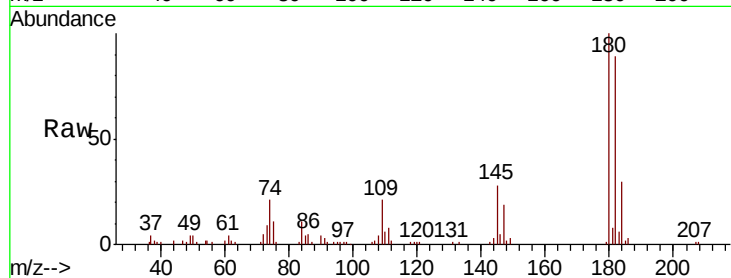




#70
 1,2,3-Trichlorobenzene
 Concen: 8.328 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014958.D
 Acq: 16 Mar 2020 20:08

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DA6

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.2	114.4
145	29.9	24.1	36.1



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

