

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014954.D
 Acq On : 16 Mar 2020 18:32
 Operator : SY/MD
 Sample : L1890-19
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DJ5

Quant Time: Mar 18 03:21:28 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	357452	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	342298	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169167	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	135623	56.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	113.90%
7) Chloroethane-d5	1.58	69	106313	60.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.22%
11) 1,1-Dichloroethene-d2	2.12	63	159491	43.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.30%
21) 2-Butanone-d5	3.93	46	135765	93.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.50%
24) Chloroform-d	4.38	84	227216	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.06	65	150813	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
32) Benzene-d6	5.08	84	465616	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
36) 1,2-Dichloropropane-d6	6.10	67	137702	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.08%
41) Toluene-d8	7.34	98	454552	48.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.48%
43) trans-1,3-Dichloropropene-	7.64	79	68744	46.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.10%
47) 2-Hexanone-d5	8.12	63	127723	100.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.77%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	194547	47.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	188223	50.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.58%

Target Compounds

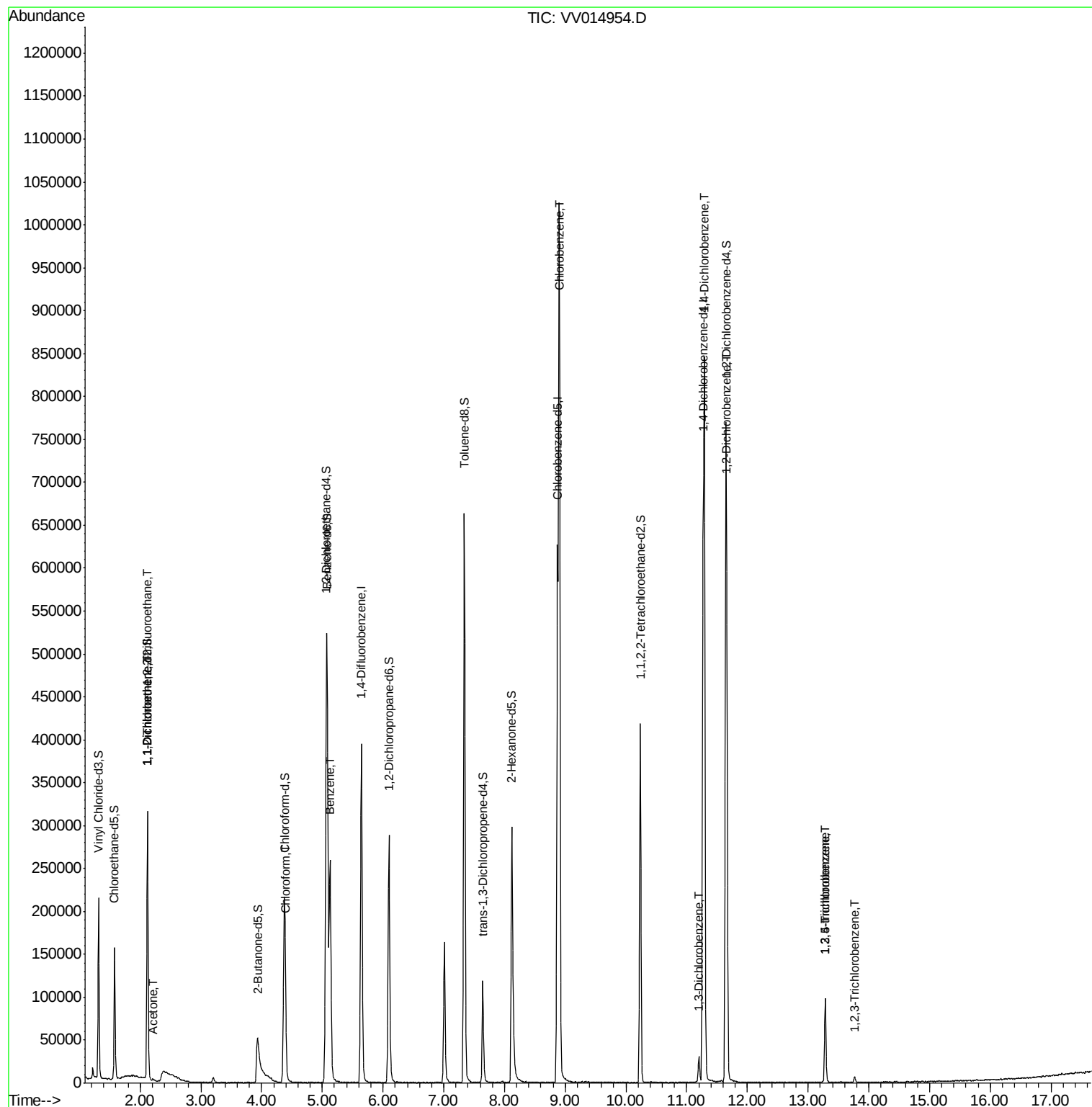
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1526	0.829	ug/L #	17
12) 1,1-Dichloroethene	2.12	96	1381	0.822	ug/L #	1
13) Acetone	2.20	43	2187	1.524	ug/L	81
25) Chloroform	4.40	83	3381	0.722	ug/L	93
33) Benzene	5.13	78	264303	28.376	ug/L	100
51) Chlorobenzene	8.90	112	568580	78.779	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	12648	2.269	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	335996	59.833	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	159868	28.709	ug/L	96
67) 1,3,5-Trichlorobenzene	13.28	180	34886	7.982	ug/L	97
68) 1,2,4-trichlorobenzene	13.28	180	34886	8.955	ug/L	95
70) 1,2,3-Trichlorobenzene	13.77	180	2275	0.590	ug/L	97

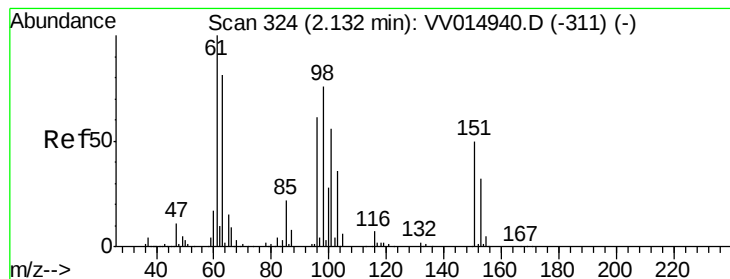
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.829 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV014954.D

Acq: 16 Mar 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

C0DJ5

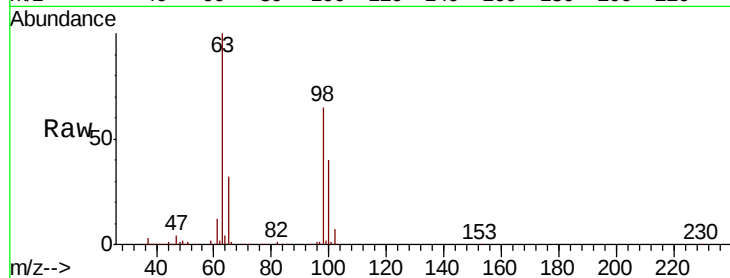
Tot Ion:101 Resp: 1526

Ion Ratio Lower Upper

101 100

85 4.6 33.9 50.9#

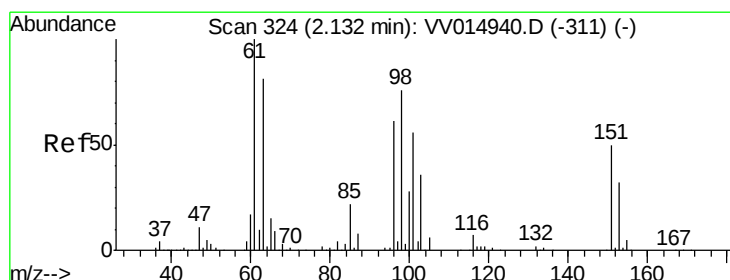
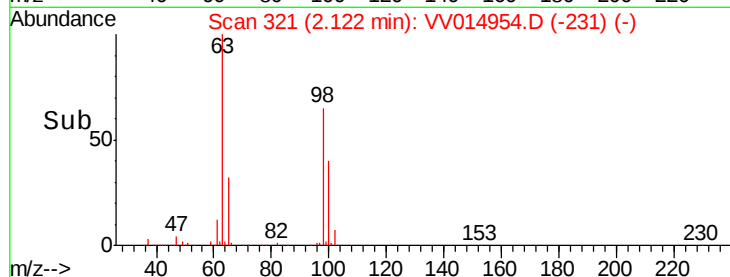
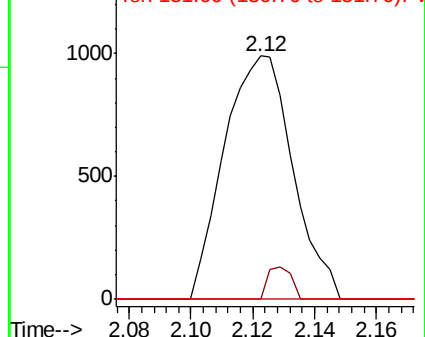
151 0.0 70.1 105.1#



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: 0.822 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014954.D

Acq: 16 Mar 2020 18:32

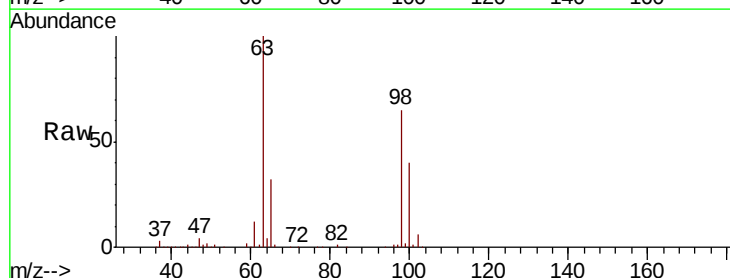
Tgt Ion: 96 Resp: 1381

Ion Ratio Lower Upper

96 100

61 1575.5 115.7 214.9#

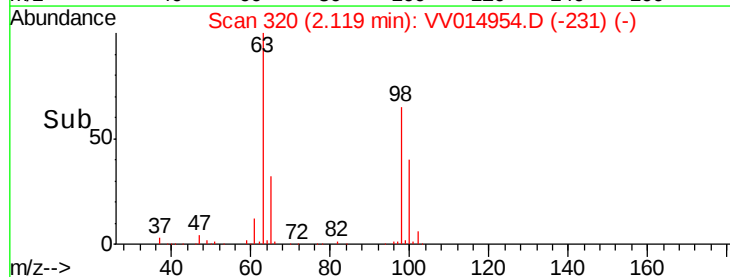
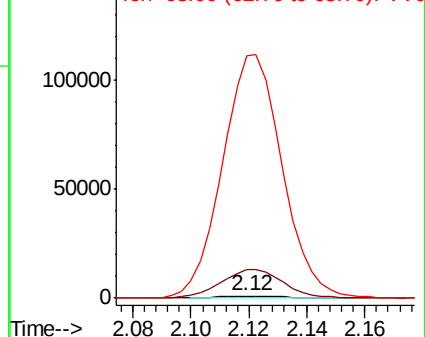
63 13427.6 99.2 184.2#

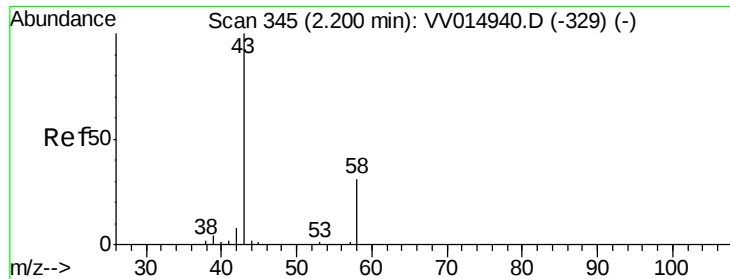


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.524 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV014954.D

Acq: 16 Mar 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

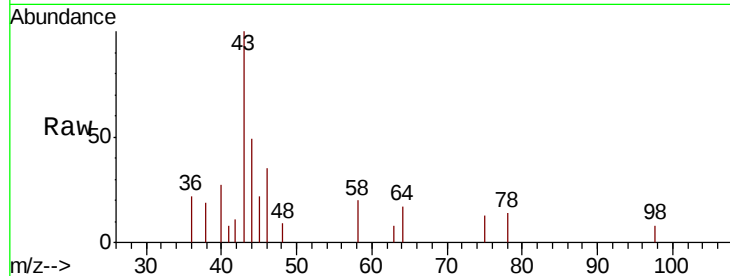
C0DJ5

Tot Ion: 43 Resp: 2187

Ion Ratio Lower Upper

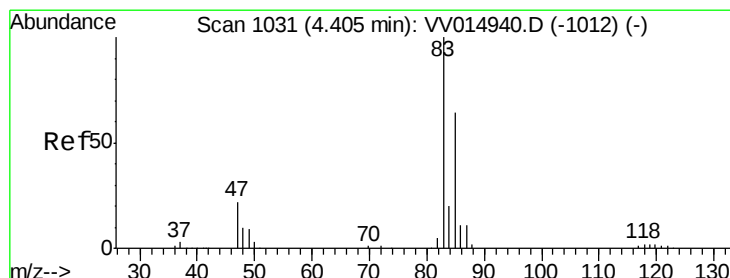
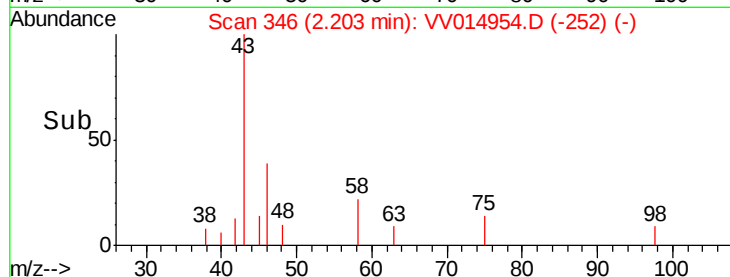
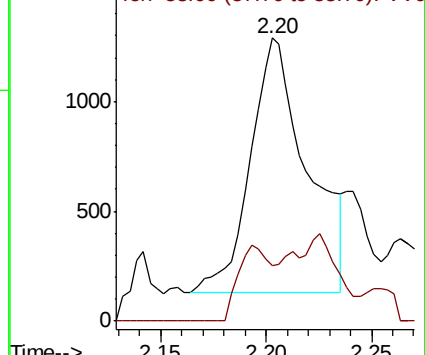
43 100

58 16.4 0.0 51.6



Abundance Ion 43.00 (42.70 to 43.70): VV014940.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV014940.D (-329) (-)



#25

Chloroform

Concen: 0.722 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV014954.D

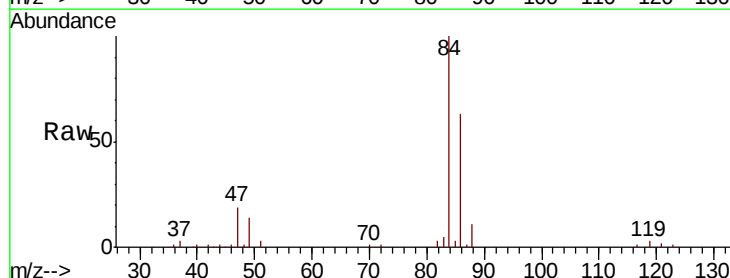
Acq: 16 Mar 2020 18:32

Tgt Ion: 83 Resp: 3381

Ion Ratio Lower Upper

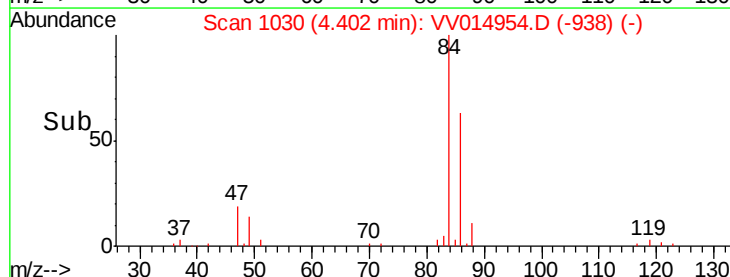
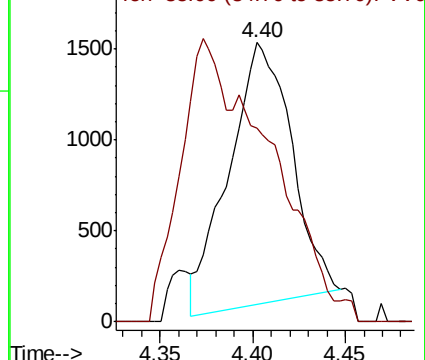
83 100

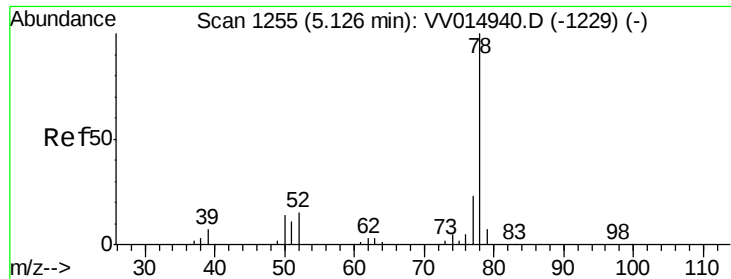
85 69.2 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VV014940.D (-1012) (-)

Ion 85.00 (84.70 to 85.70): VV014940.D (-1012) (-)





#33

Benzene

Concen: 28.376 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV014954.D

Acq: 16 Mar 2020 18:32

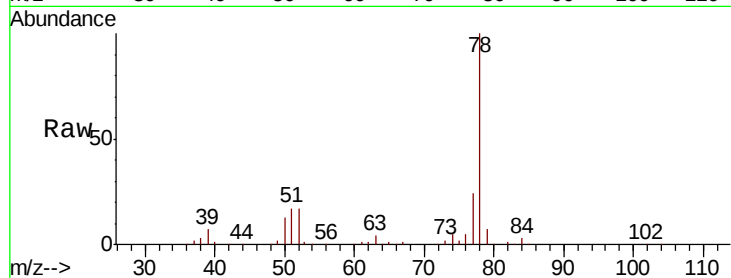
Instrument :

MSVOA_V

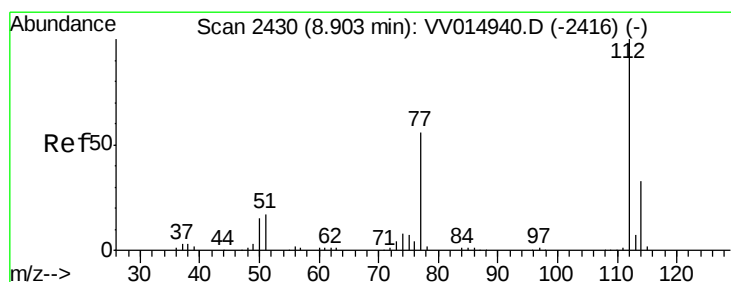
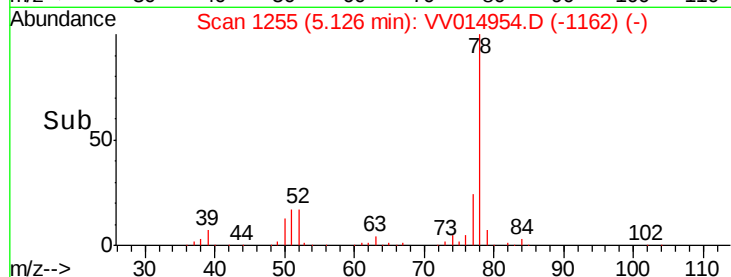
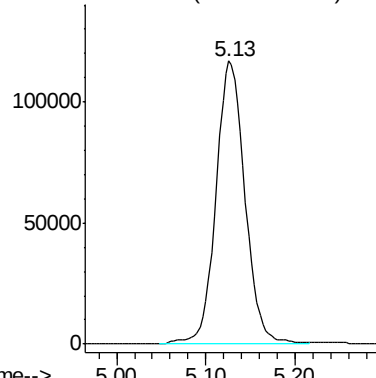
ClientSampleId :

C0DJ5

Tgt Ion: 78 Resp: 264303



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 78.779 ug/L

RT: 8.90 min Scan# 2430

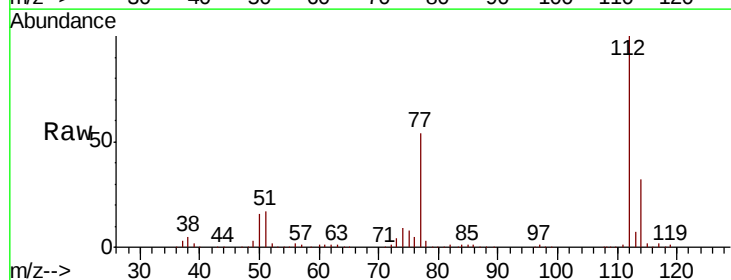
Delta R.T. 0.00 min

Lab File: VV014954.D

Acq: 16 Mar 2020 18:32

Tgt Ion: 112 Resp: 568580

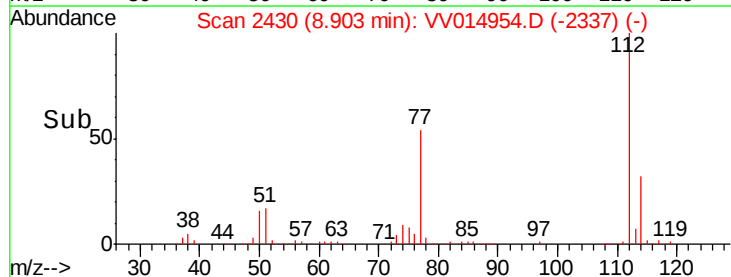
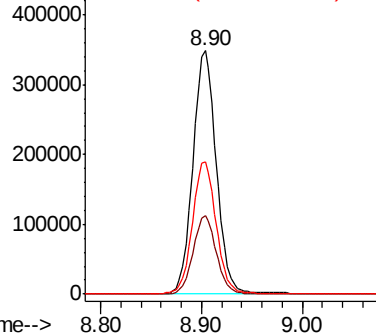
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.8	42.4
77	54.5	44.5	66.7

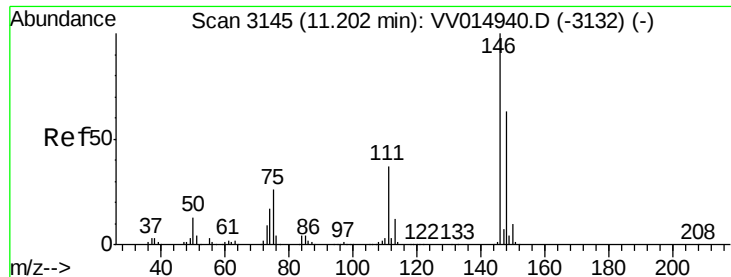


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 2.269 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014954.D

Acq: 16 Mar 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

C0DJ5

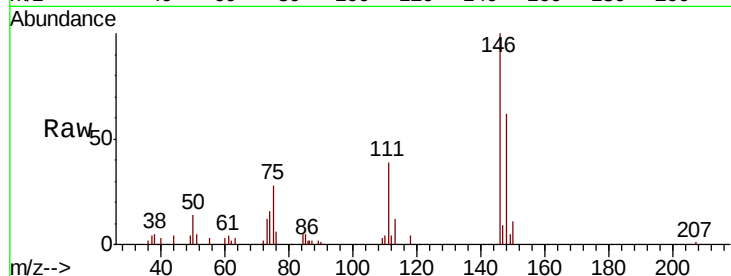
Tot Ion:146 Resp: 12648

Ion Ratio Lower Upper

146 100

111 39.0 26.5 49.3

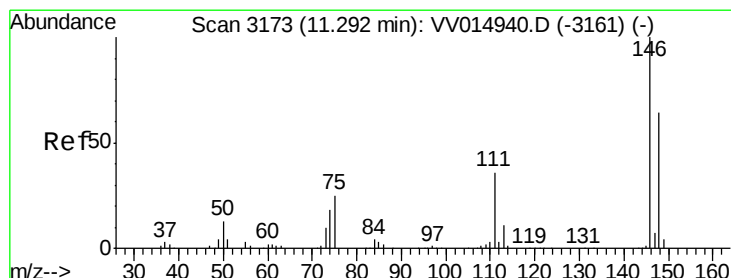
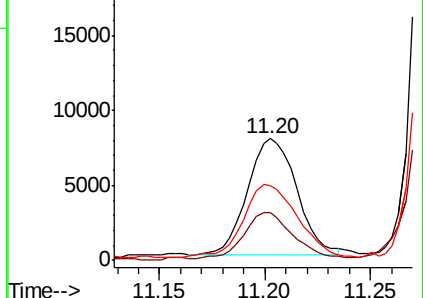
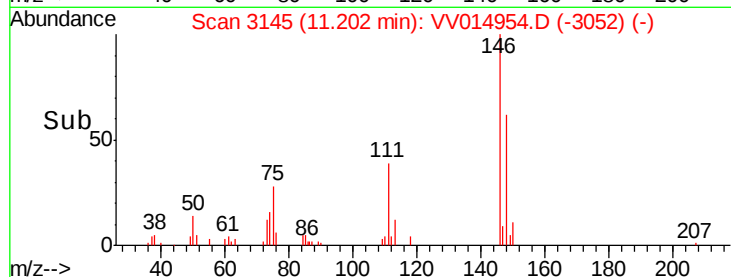
148 61.9 45.4 84.2



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: 59.833 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV014954.D

Acq: 16 Mar 2020 18:32

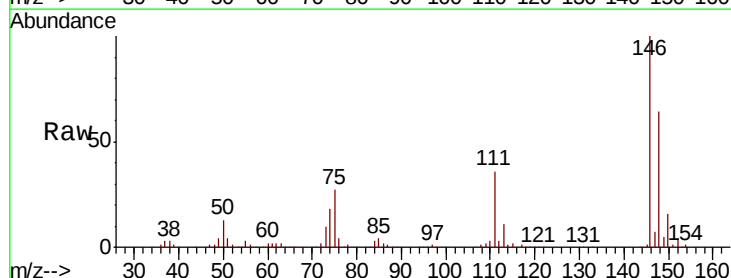
Tgt Ion:146 Resp: 335996

Ion Ratio Lower Upper

146 100

111 36.0 26.0 48.2

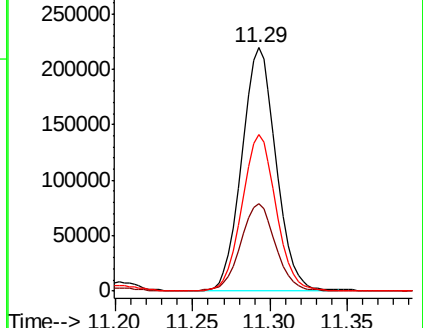
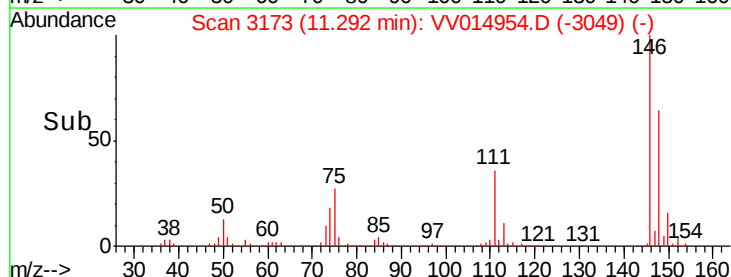
148 64.2 46.1 85.5

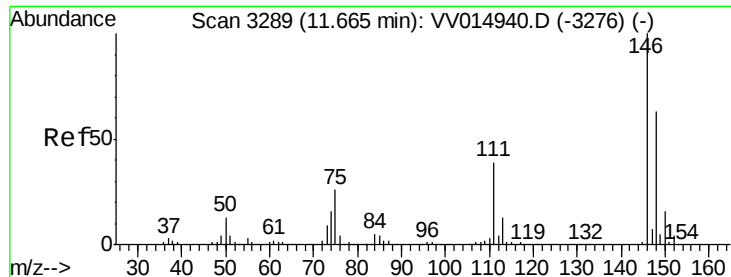


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 28.709 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV014954.D

Acq: 16 Mar 2020 18:32

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C0DJ5

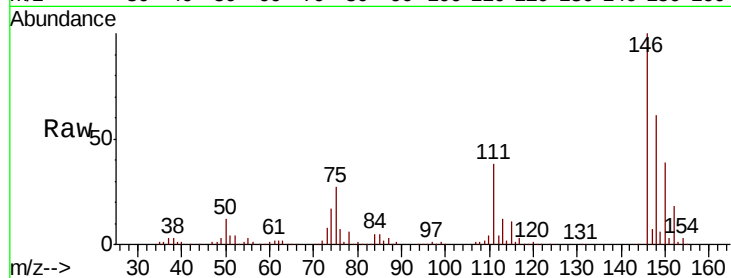
Tot Ion:146 Resp: 159868

Ion Ratio Lower Upper

146 100

111 38.3 31.6 47.4

148 60.8 52.2 78.4

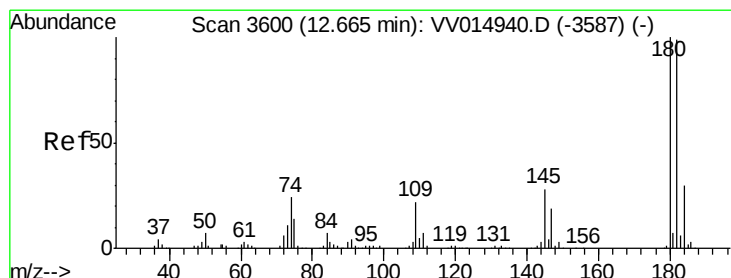
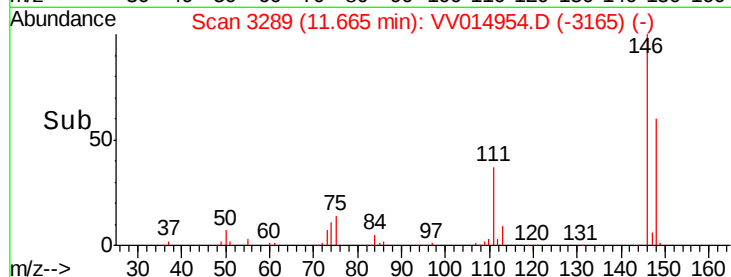
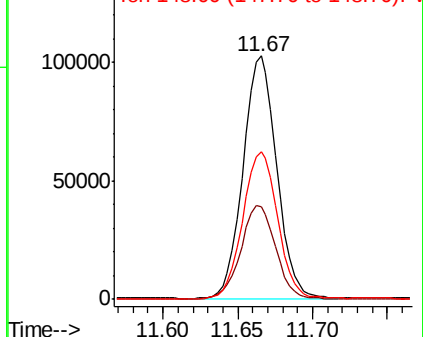


Abundance

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: 7.982 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.62 min

Lab File: VV014954.D

Acq: 16 Mar 2020 18:32

Tgt Ion:180 Resp: 34886

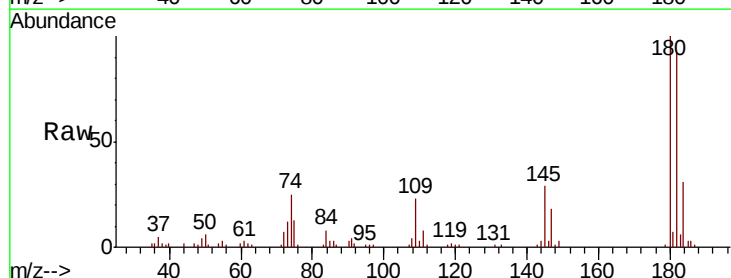
Ion Ratio Lower Upper

180 100

182 89.8 75.7 113.5

184 29.7 24.2 36.4

145 27.6 22.0 33.0



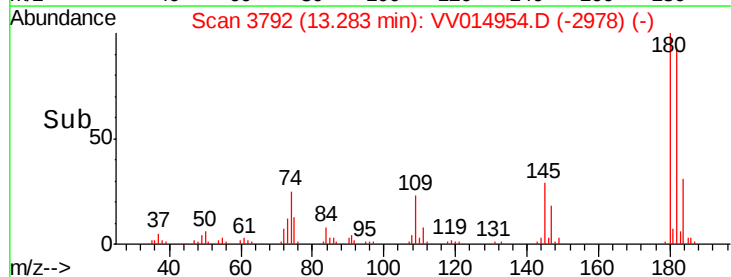
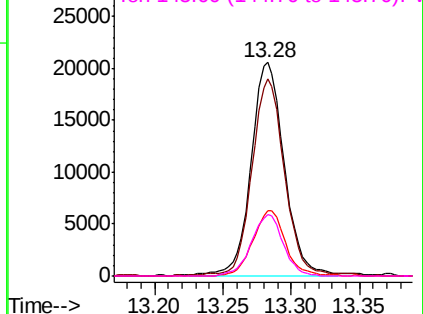
Abundance

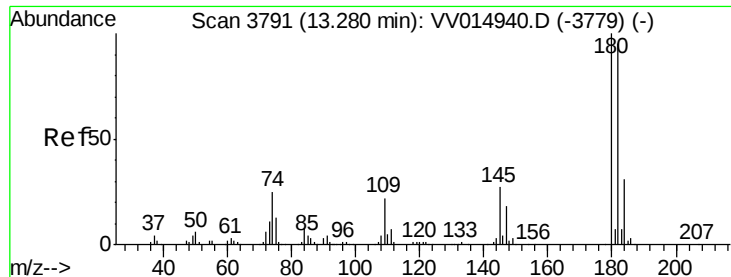
Ion 180.00 (179.70 to 180.70): V

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

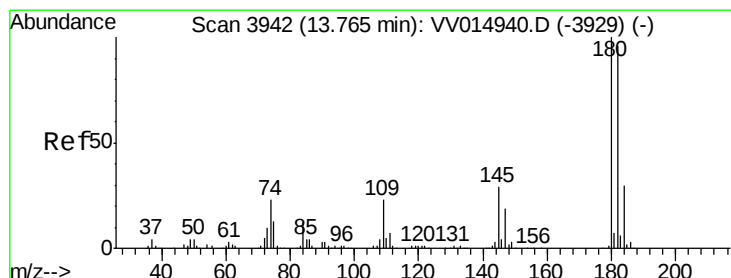
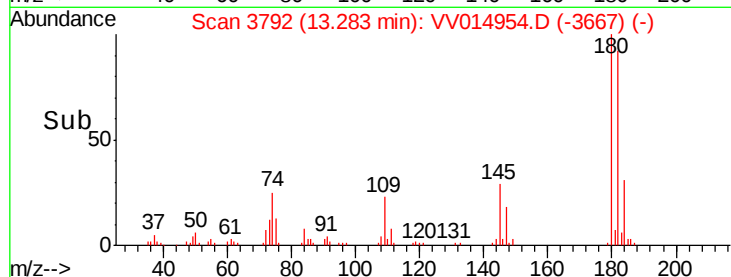
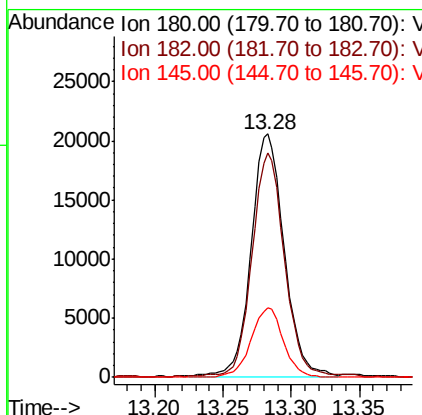
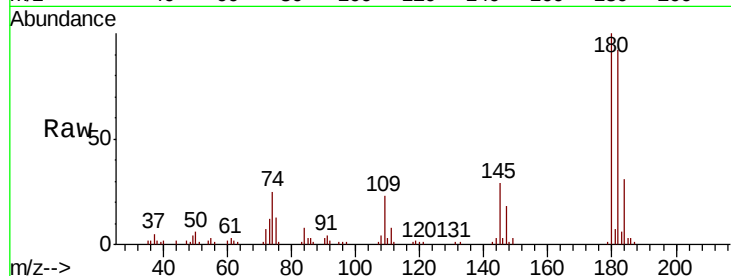




#68
 1,2,4-trichlorobenzene
 Concen: 8.955 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014954.D
 Acq: 16 Mar 2020 18:32

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DJ5

Tot Ion:180 Resp: 34886
 Ion Ratio Lower Upper
 180 100
 182 89.8 76.3 114.5
 145 27.6 23.1 34.7



#70
 1,2,3-Trichlorobenzene
 Concen: 0.590 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV014954.D
 Acq: 16 Mar 2020 18:32

Tgt Ion:180 Resp: 2275
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.2 114.4
 145 24.1 24.1 36.1

