

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030920\
 Data File : VV014781.D
 Acq On : 09 Mar 2020 17:00
 Operator : SY/MD
 Sample : L1834-20
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL3

Quant Time: Mar 10 14:49:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 10 14:44:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	368255	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	358637	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	178909	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	132733	53.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.52%
7) Chloroethane-d5	1.58	69	105959	53.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.56%
11) 1,1-Dichloroethene-d2	2.12	63	163811	39.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.12%
21) 2-Butanone-d5	3.94	46	211191	113.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.62%
24) Chloroform-d	4.38	84	261824	55.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.96%
26) 1,2-Dichloroethane-d4	5.06	65	176457	55.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.10%
32) Benzene-d6	5.08	84	552237	58.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.64%
36) 1,2-Dichloropropane-d6	6.10	67	172338	54.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.82%
41) Toluene-d8	7.34	98	522749	56.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.72%
43) trans-1,3-Dichloropropene-	7.64	79	83943	54.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.56%
47) 2-Hexanone-d5	8.12	63	164257	117.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.87%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	238131	55.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	209841	59.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.36%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1942	0.95	ug/L #	33
12) 1,1-Dichloroethene	2.12	96	2039	1.02	ug/L #	1
13) Acetone	2.23	43	2826	1.82	ug/L	57
25) Chloroform	4.41	83	6974	1.39	ug/L	91
33) Benzene	5.13	78	34468	3.32	ug/L	100
35) Methylcyclohexane	6.10	83	42161	9.41	ug/L #	18
39) cis-1,3-Dichloropropene	7.01	75	4882	1.11	ug/L #	62
48) 2-Hexanone	8.12	43	18913	5.91	ug/L #	77
51) Chlorobenzene	8.90	112	56228	7.62	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	19563	3.38	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	82741	14.20	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	76314	13.25	ug/L	99
67) 1,3,5-Trichlorobenzene	13.28	180	27250	6.09	ug/L	97
68) 1,2,4-trichlorobenzene	13.28	180	27250	6.63	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	14275	3.48	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030920\
Data File : VV014781.D
Acq On : 09 Mar 2020 17:00
Operator : SY/MD
Sample : L1834-20
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DL3

Quant Time: Mar 10 14:49:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 10 14:44:37 2020
Response via : Initial Calibration

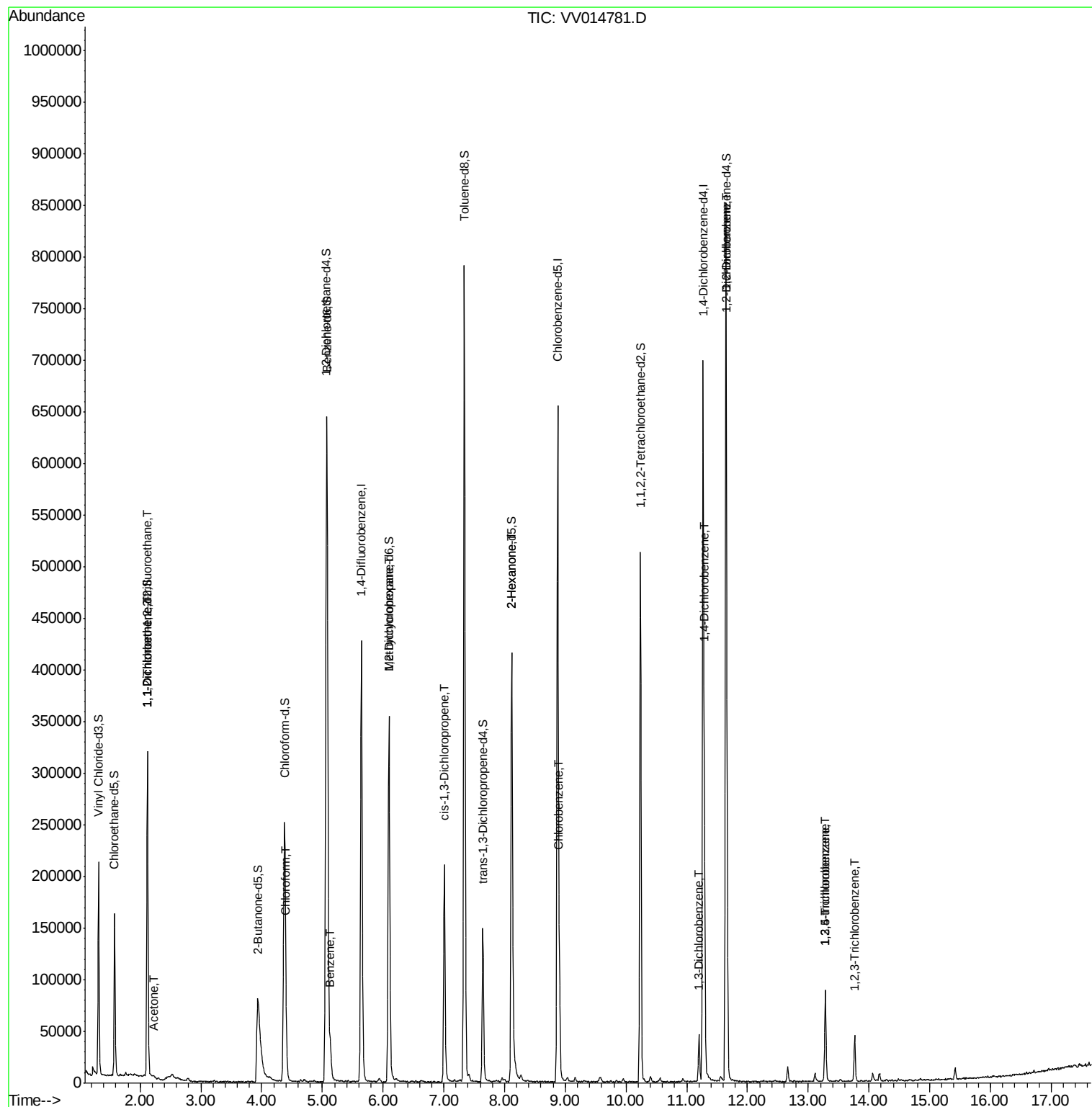
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

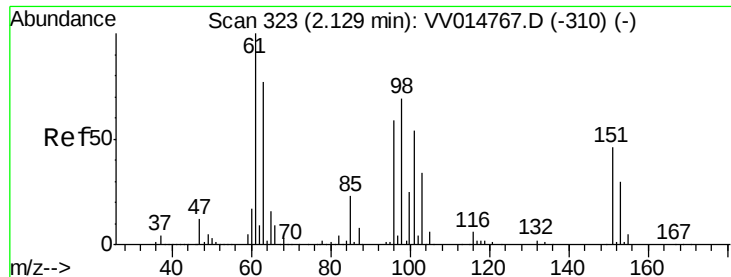
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV030920\
Data File : VV014781.D
Acq On : 09 Mar 2020 17:00
Operator : SY/MD
Sample : L1834-20
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DL3

Quant Time: Mar 10 14:49:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 10 14:44:37 2020
Response via : Initial Calibration





#10

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

Concen: 0.95 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV014781.D

Acq: 09 Mar 2020 17:00

Instrument :

MSVOA_V

ClientSampleId :

C0DL3

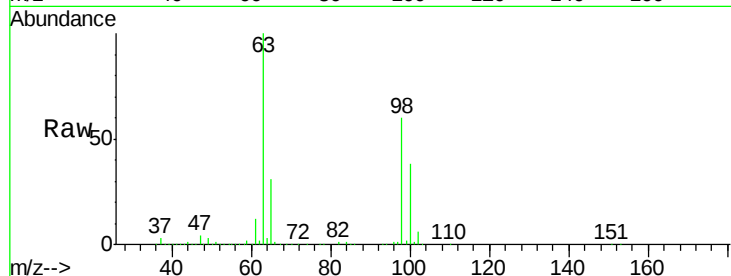
Tgt Ion: 101 Resp: 1942

Ion Ratio Lower Upper

101 100

85 9.9 35.0 52.6#

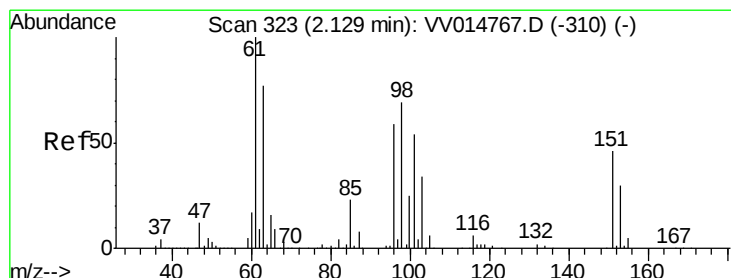
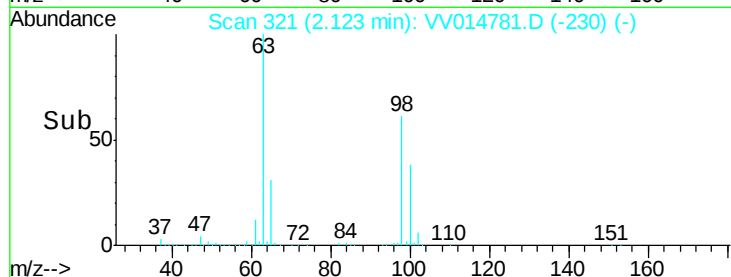
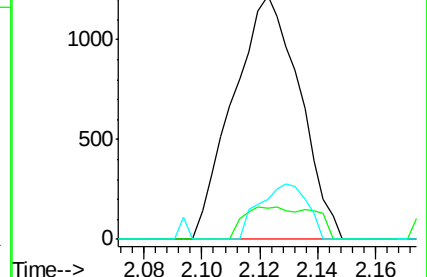
151 16.4 66.4 99.6#



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: 1.02 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV014781.D

Acq: 09 Mar 2020 17:00

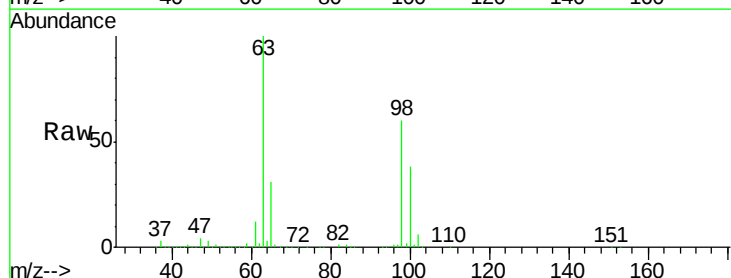
Tgt Ion: 96 Resp: 2039

Ion Ratio Lower Upper

96 100

61 1117.7 118.4 220.0#

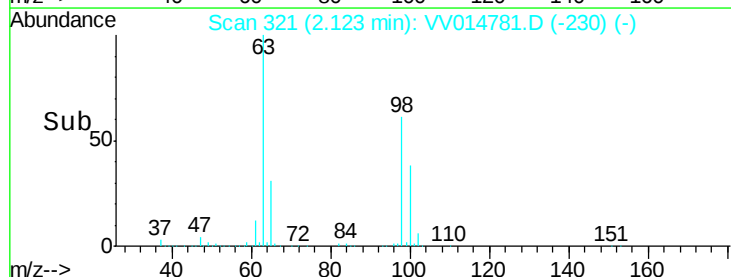
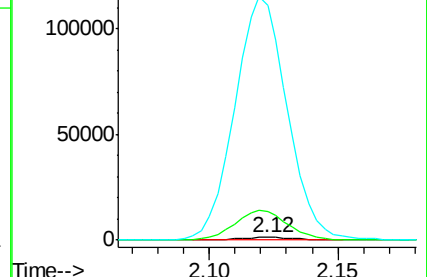
63 9058.8 88.4 164.2#

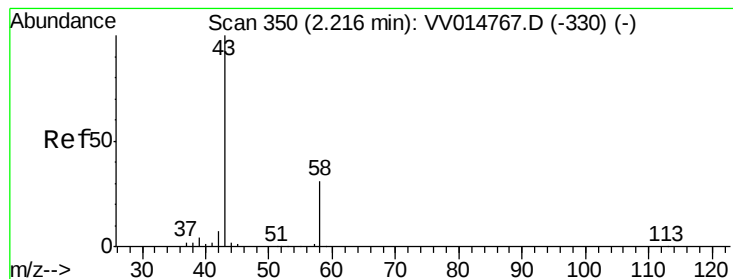


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.82 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.01 min

Lab File: VV014781.D

Acq: 09 Mar 2020 17:00

Instrument :

MSVOA_V

ClientSampleId :

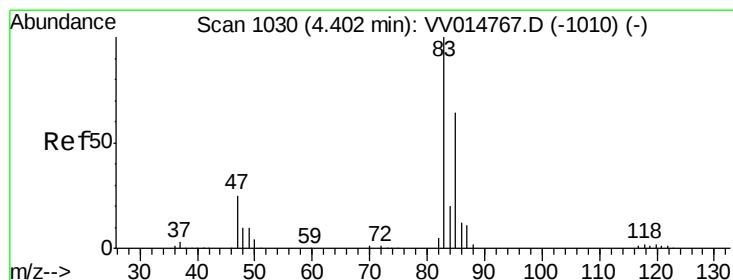
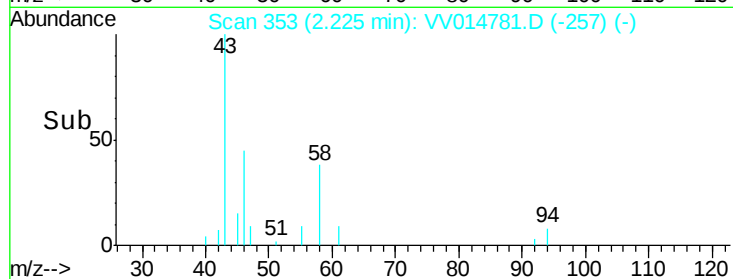
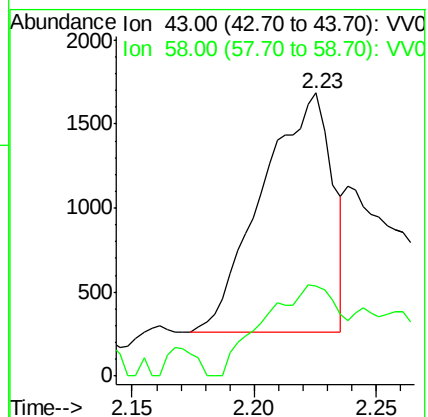
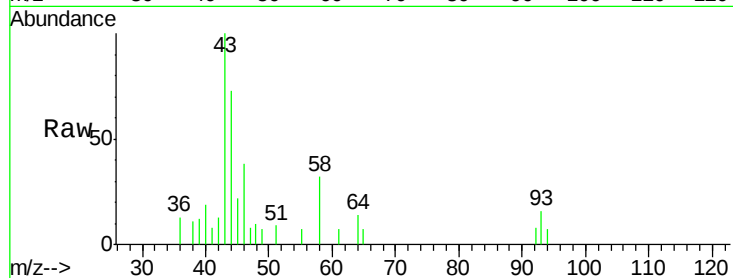
C0DL3

Tgt Ion: 43 Resp: 2826

Ion Ratio Lower Upper

43 100

58 7.2 0.0 62.2



#25

Chloroform

Concen: 1.39 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV014781.D

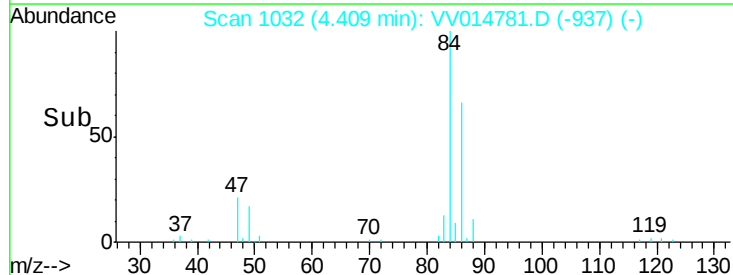
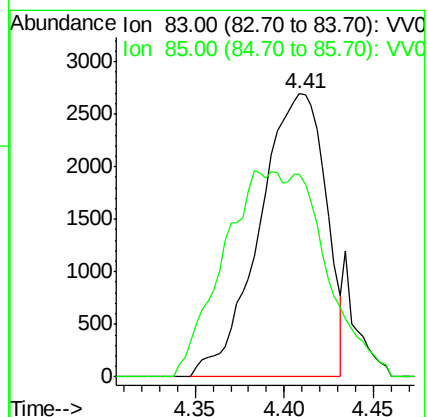
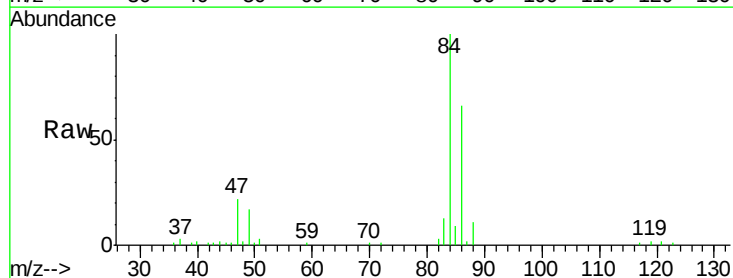
Acq: 09 Mar 2020 17:00

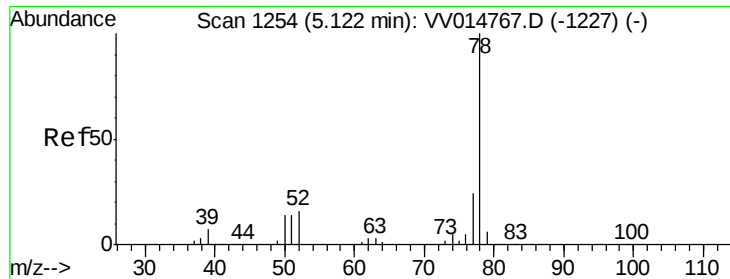
Tgt Ion: 83 Resp: 6974

Ion Ratio Lower Upper

83 100

85 71.6 45.1 83.9





#33

Benzene

Concen: 3.32 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV014781.D

Acq: 09 Mar 2020 17:00

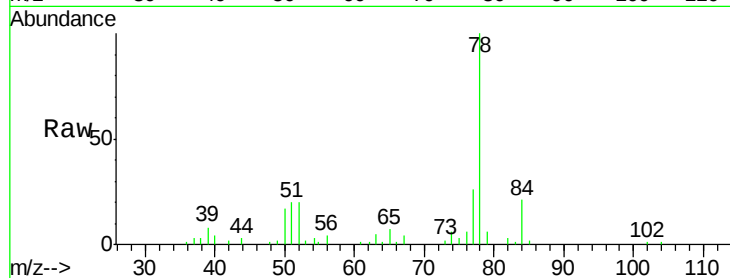
Instrument :

MSVOA_V

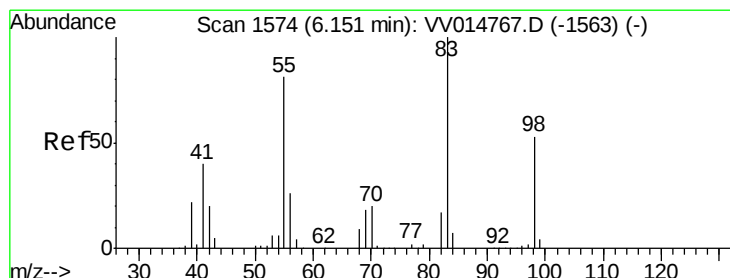
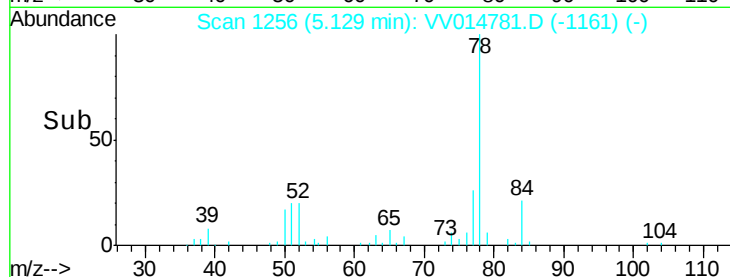
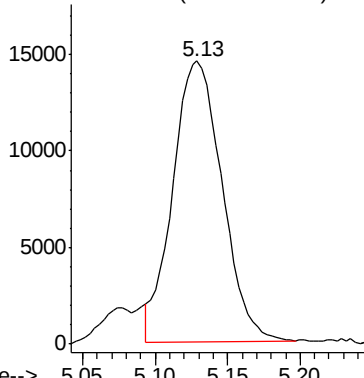
ClientSampleId :

C0DL3

Tgt Ion: 78 Resp: 34468



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Methylcyclohexane

Concen: 9.41 ug/L

RT: 6.10 min Scan# 1557

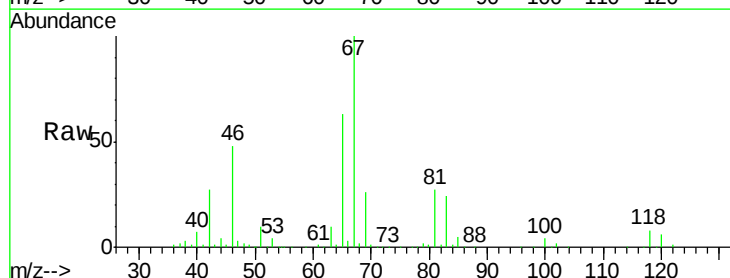
Delta R.T. -0.05 min

Lab File: VV014781.D

Acq: 09 Mar 2020 17:00

Tgt Ion: 83 Resp: 42161

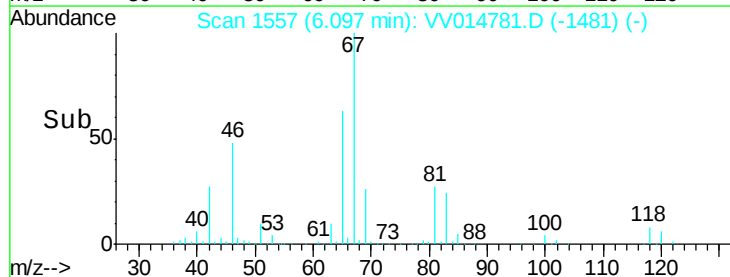
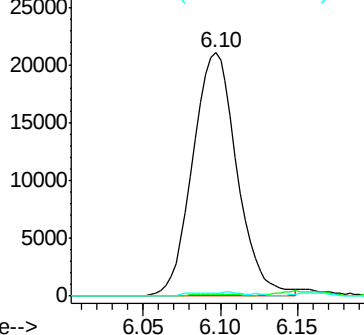
Ion	Ratio	Lower	Upper
83	100		
55	0.3	63.4	95.2#
98	0.1	36.8	55.2#

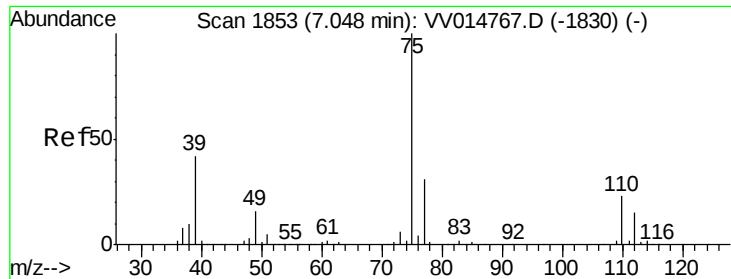


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

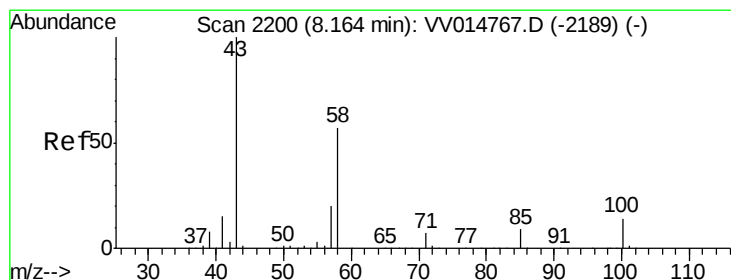
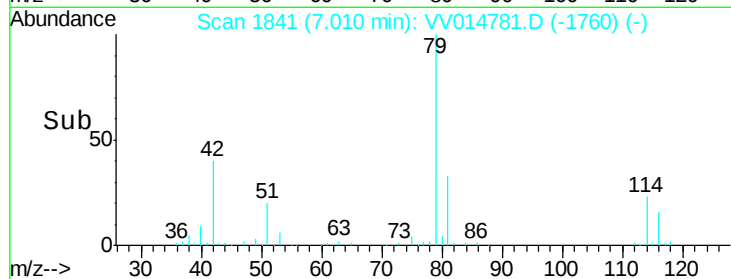
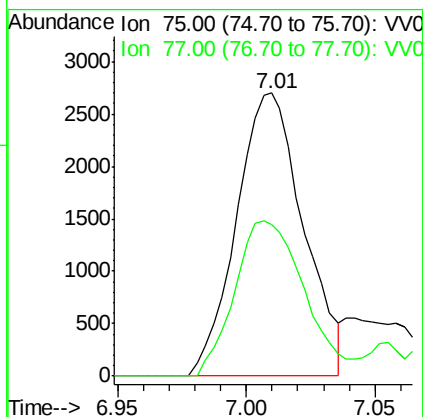
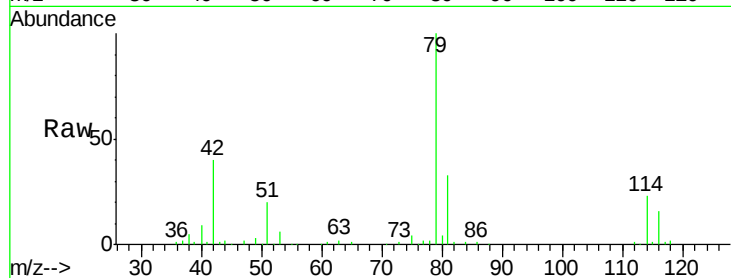




#39
 cis-1,3-Dichloropropene
 Concen: 1.11 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV014781.D
 Acq: 09 Mar 2020 17:00

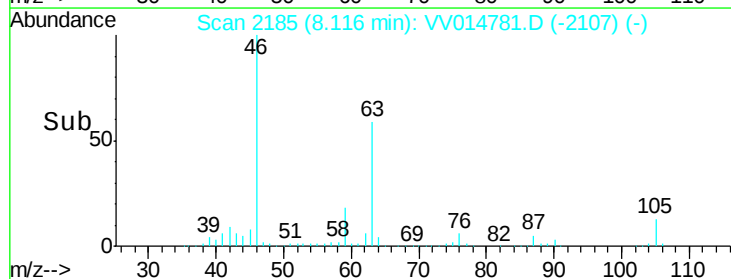
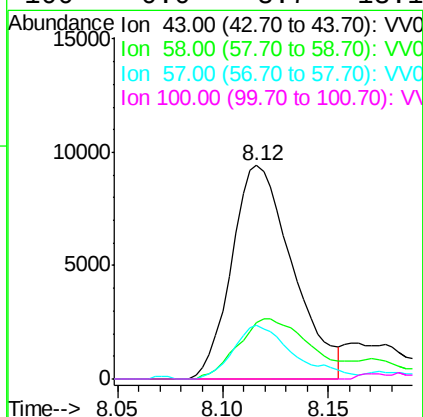
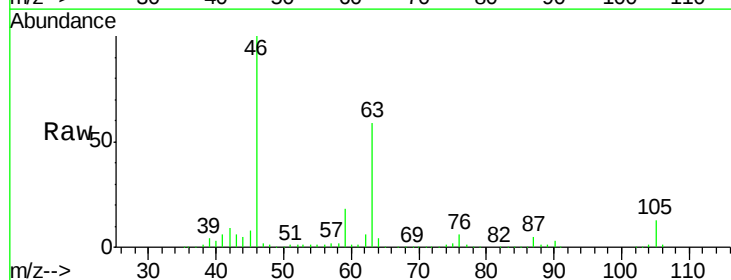
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL3

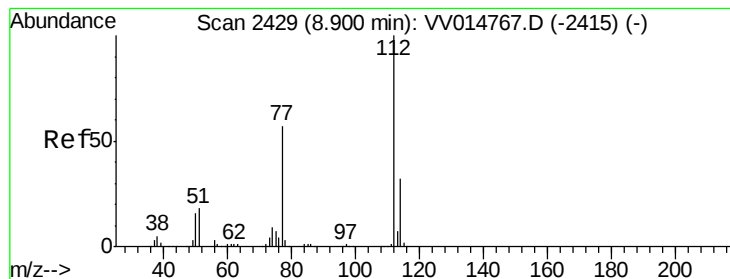
Tgt Ion: 75 Resp: 4882
 Ion Ratio Lower Upper
 75 100
 77 53.7 22.8 42.4#



#48
 2-Hexanone
 Concen: 5.91 ug/L
 RT: 8.12 min Scan# 2185
 Delta R.T. -0.05 min
 Lab File: VV014781.D
 Acq: 09 Mar 2020 17:00

Tgt Ion: 43 Resp: 18913
 Ion Ratio Lower Upper
 43 100
 58 35.0 43.3 64.9#
 57 24.9 15.6 23.4#
 100 0.0 8.7 13.1#





#51

Chlorobenzene

Concen: 7.62 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014781.D

Acq: 09 Mar 2020 17:00

Instrument :

MSVOA_V

ClientSampleId :

C0DL3

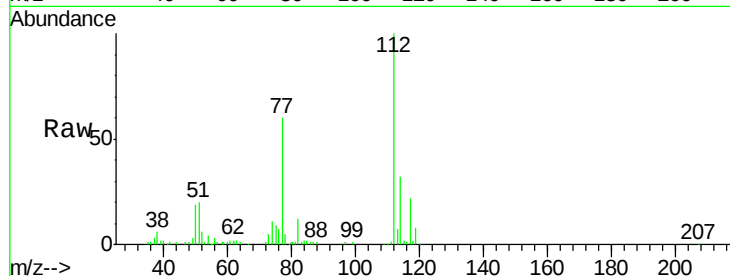
Tgt Ion:112 Resp: 56228

Ion Ratio Lower Upper

112 100

114 31.5 22.1 41.1

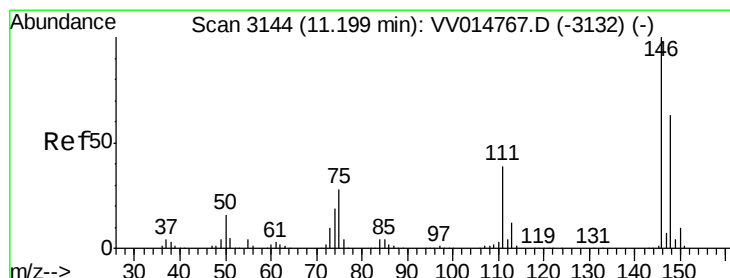
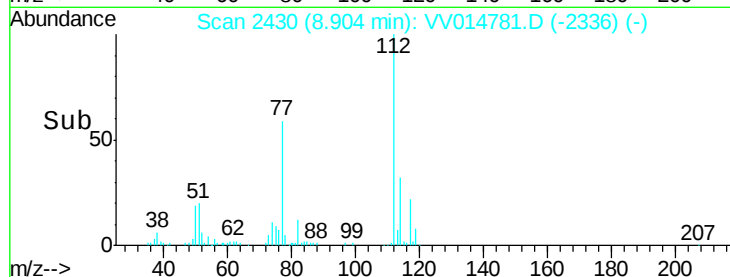
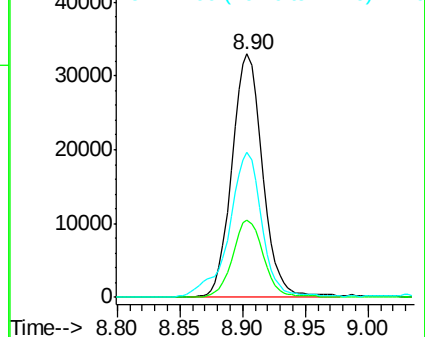
77 59.8 47.8 71.8



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): V



#62

1,3-Dichlorobenzene

Concen: 3.38 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014781.D

Acq: 09 Mar 2020 17:00

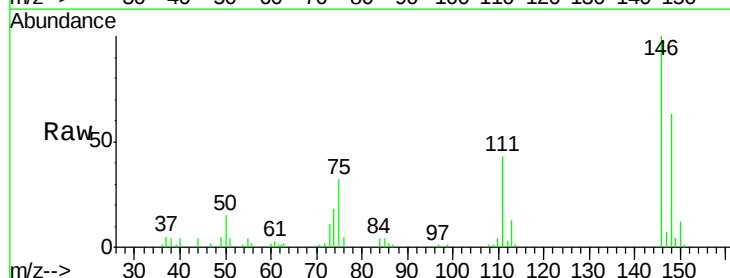
Tgt Ion:146 Resp: 19563

Ion Ratio Lower Upper

146 100

111 42.9 27.2 50.4

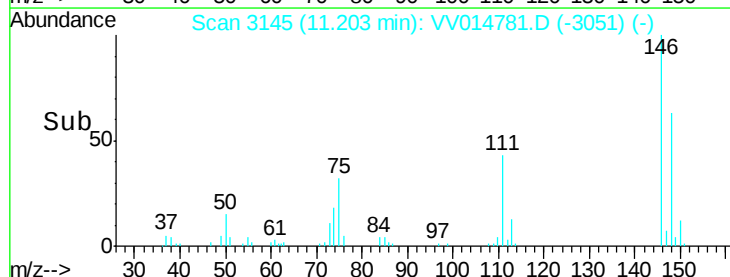
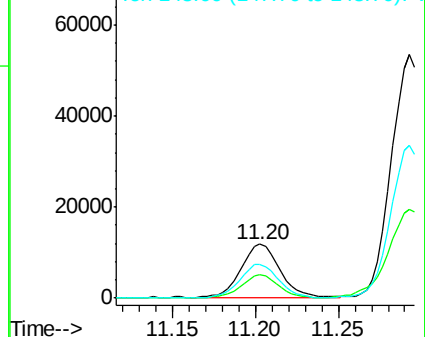
148 63.1 44.2 82.2

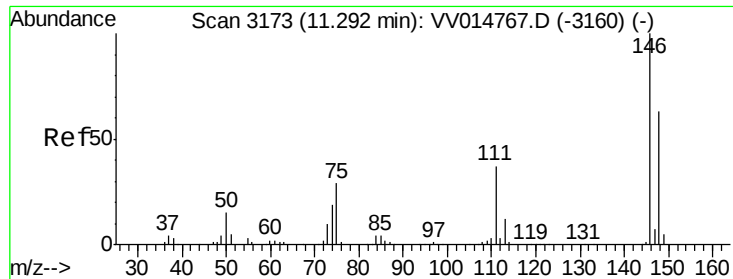


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 14.20 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014781.D

Acq: 09 Mar 2020 17:00

Instrument :

MSVOA_V

ClientSampleId :

C0DL3

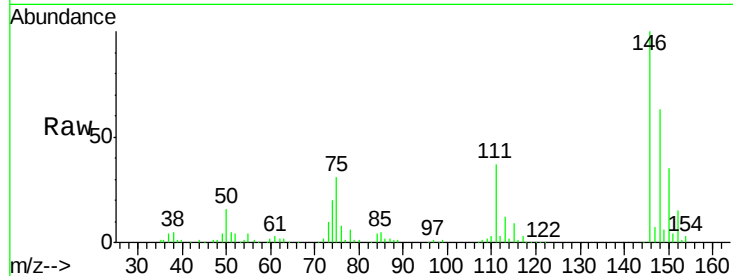
Tgt Ion:146 Resp: 82741

Ion Ratio Lower Upper

146 100

111 36.6 26.3 48.9

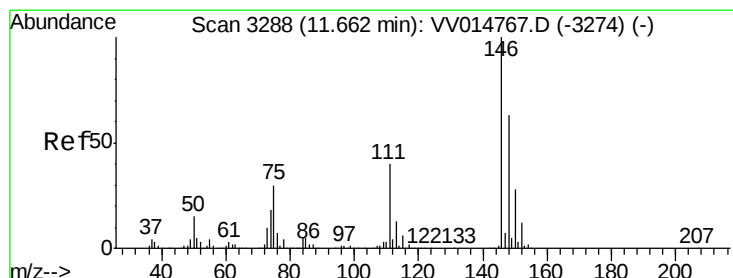
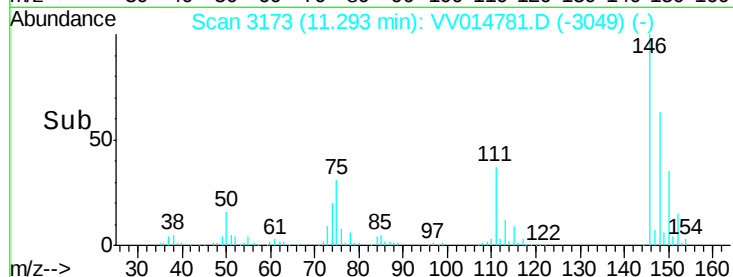
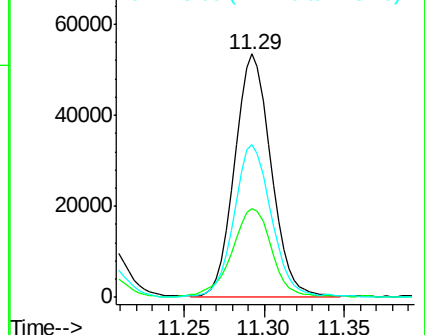
148 62.9 44.0 81.8



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: 13.25 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV014781.D

Acq: 09 Mar 2020 17:00

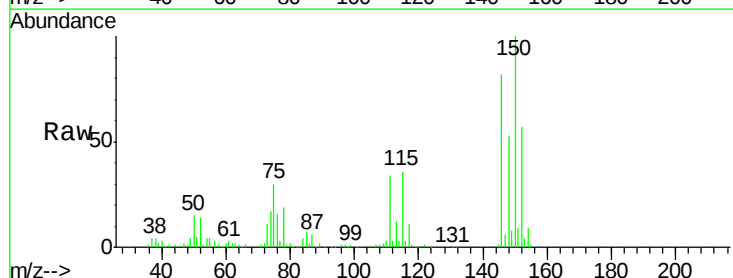
Tgt Ion:146 Resp: 76314

Ion Ratio Lower Upper

146 100

111 41.1 33.9 50.9

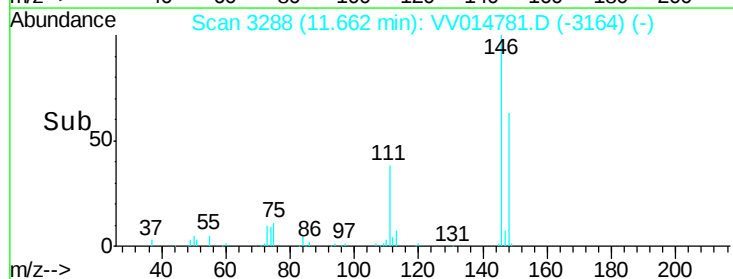
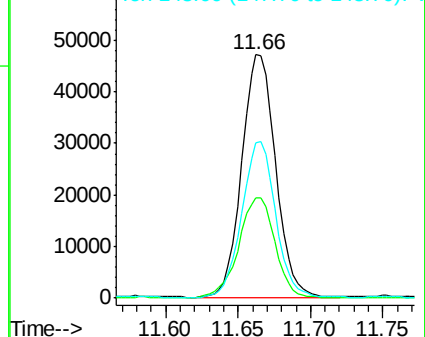
148 63.7 51.4 77.0

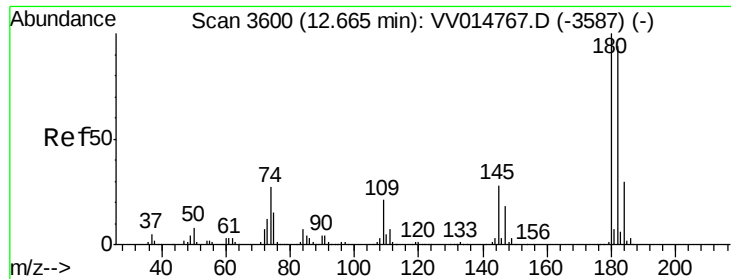


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

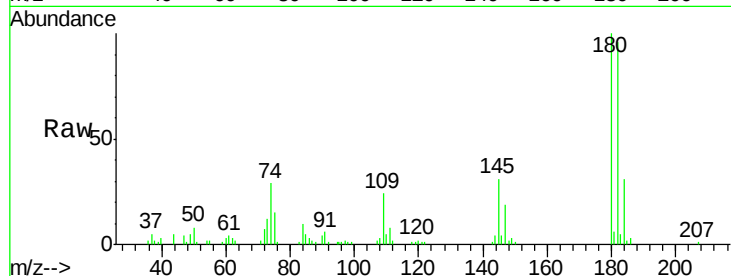




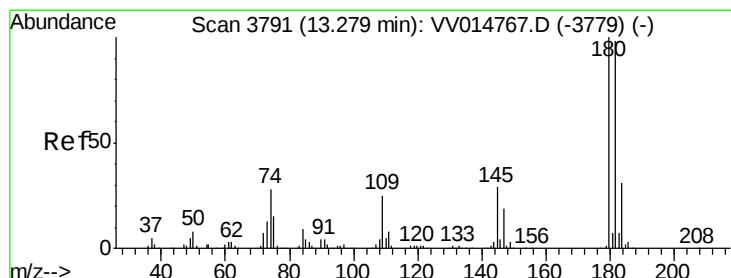
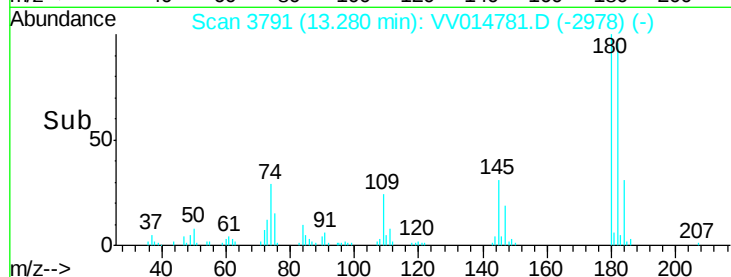
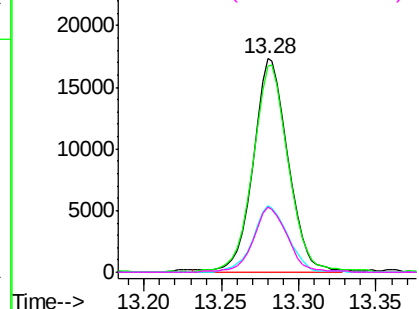
#67
 1,3,5-Trichlorobenzene
 Concen: 6.09 ug/L
 RT: 13.28 min Scan# 3791
 Delta R.T. 0.61 min
 Lab File: VV014781.D
 Acq: 09 Mar 2020 17:00

Instrument :
 MSVOA_V
 ClientSampled :
 C0DL3

Tgt Ion:180 Resp: 27250
 Ion Ratio Lower Upper
 180 100
 182 99.2 75.6 113.4
 184 31.0 24.8 37.2
 145 30.1 23.3 34.9

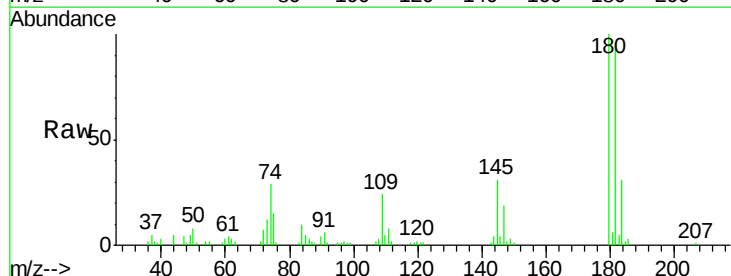


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

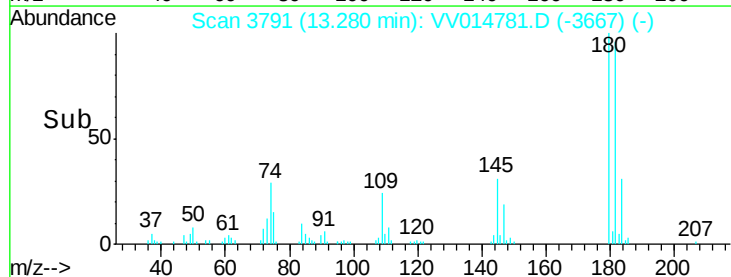
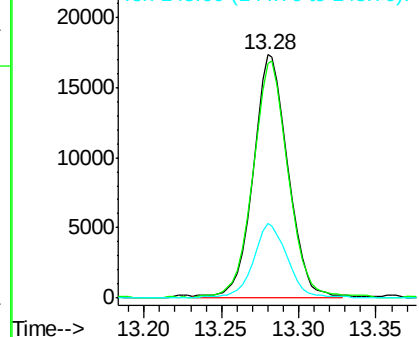


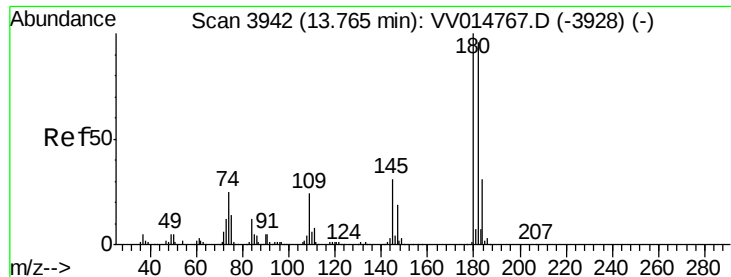
#68
 1,2,4-trichlorobenzene
 Concen: 6.63 ug/L
 RT: 13.28 min Scan# 3791
 Delta R.T. 0.00 min
 Lab File: VV014781.D
 Acq: 09 Mar 2020 17:00

Tgt Ion:180 Resp: 27250
 Ion Ratio Lower Upper
 180 100
 182 99.2 76.6 114.8
 145 30.1 23.4 35.0



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: 3.48 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014781.D
 Acq: 09 Mar 2020 17:00

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL3

Tgt Ion:	180	Resp:	14275
Ion	Ratio	Lower	Upper
180	100		
182	92.5	76.5	114.7
145	30.6	25.0	37.4

