

Data File : VV015042.D
Acq On : 19 Mar 2020 02:52
Operator : SY/MD
Sample : VIBLK
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VIBLK72

Quant Time: Mar 19 04:14:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	310301	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	292472	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	136878	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100324	69.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	138.40%#
7) Chloroethane-d5	1.58	69	68164	59.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	119.92%
11) 1,1-Dichloroethene-d2	2.12	63	97498	39.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.70%
21) 2-Butanone-d5	3.94	46	98227	99.93	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.93%
24) Chloroform-d	4.38	84	196771	53.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.02%
26) 1,2-Dichloroethane-d4	5.06	65	132055	56.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.04%
32) Benzene-d6	5.08	84	397338	57.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.50%
36) 1,2-Dichloropropane-d6	6.09	67	119175	58.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	117.38%
41) Toluene-d8	7.34	98	369155	52.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.68%
43) trans-1,3-Dichloropropene-	7.64	79	60227	55.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.96%
47) 2-Hexanone-d5	8.12	63	112420	120.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.14%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	173483	56.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.54%
64) 1,2-Dichlorobenzene-d4	11.64	152	158360	57.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.26%

Target Compounds

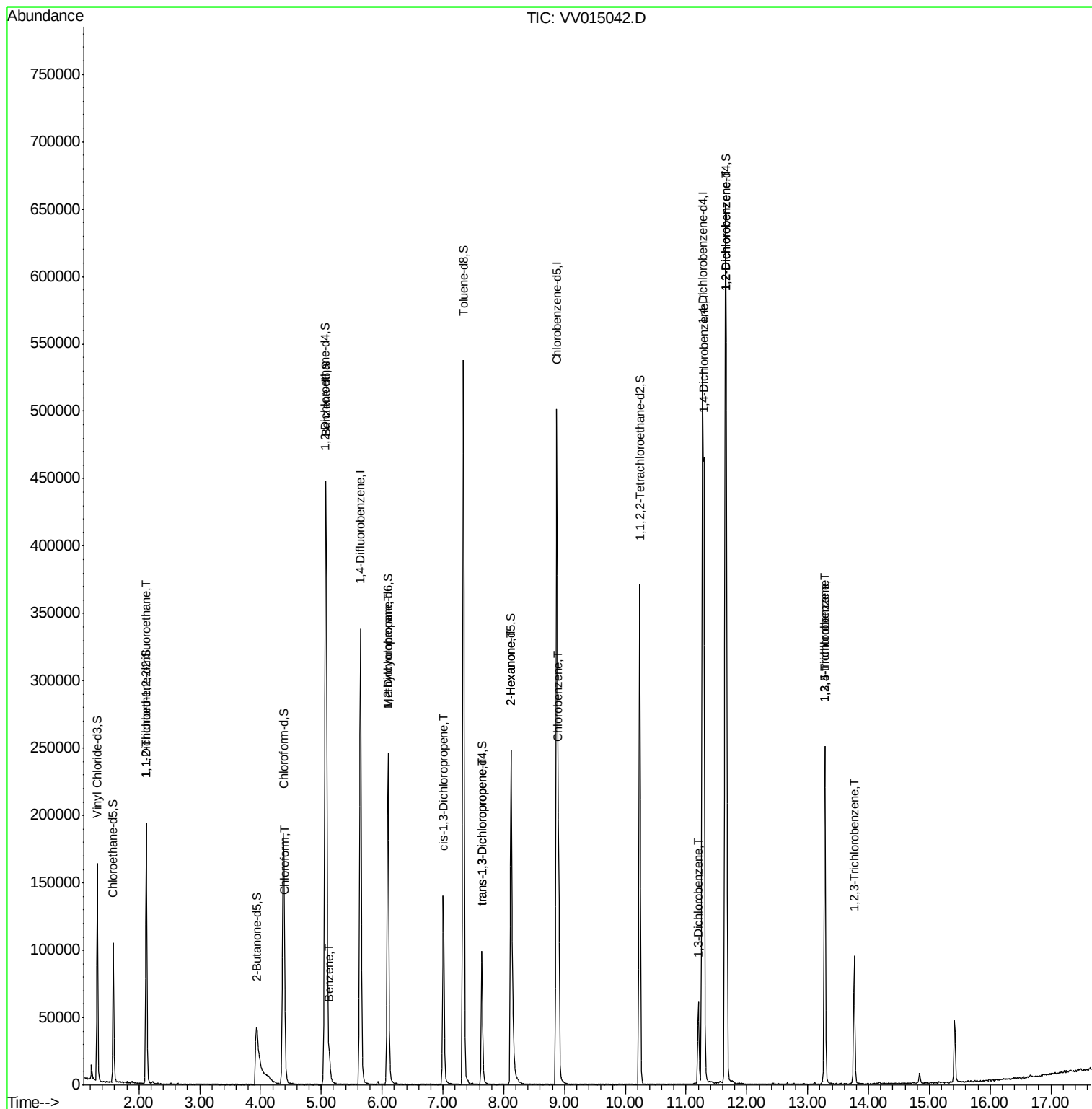
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	936	0.701 ug/L #	13
25) Chloroform	4.41	83	4142	1.137 ug/L	99
33) Benzene	5.13	78	18784	2.624 ug/L	100
35) Methylcyclohexane	6.10	83	31671	10.290 ug/L #	21
39) cis-1,3-Dichloropropene	7.01	75	3349	1.155 ug/L #	59
44) trans-1,3-Dichloropropene	7.64	75	2407	0.917 ug/L #	76
48) 2-Hexanone	8.12	43	12940	7.223 ug/L #	70
51) Chlorobenzene	8.90	112	102495	18.011 ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	27520	6.680 ug/L	96
63) 1,4-Dichlorobenzene	11.29	146	179590	41.876 ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	166260	37.992 ug/L	99
67) 1,3,5-Trichlorobenzene	13.28	180	85671	26.281 ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	85671	28.538 ug/L	99
70) 1,2,3-Trichlorobenzene	13.76	180	33540	11.372 ug/L	99

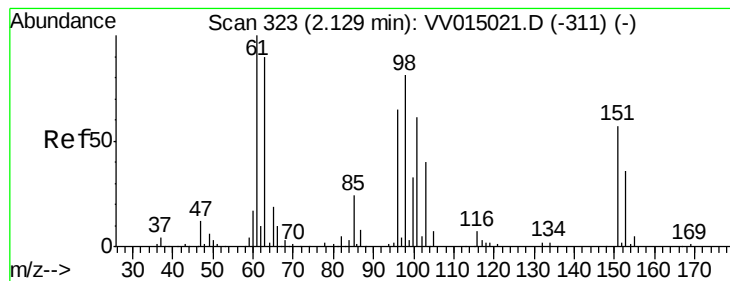
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.701 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015042.D

Acq: 19 Mar 2020 02:52

Instrument :

MSVOA_V

ClientSampleId :

VIBLK72

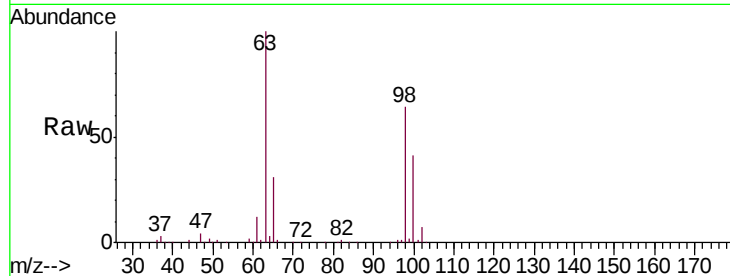
Tgt Ion:101 Resp: 936

Ion Ratio Lower Upper

101 100

85 0.0 33.2 49.8#

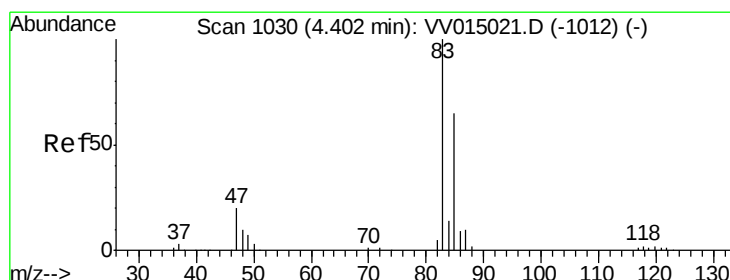
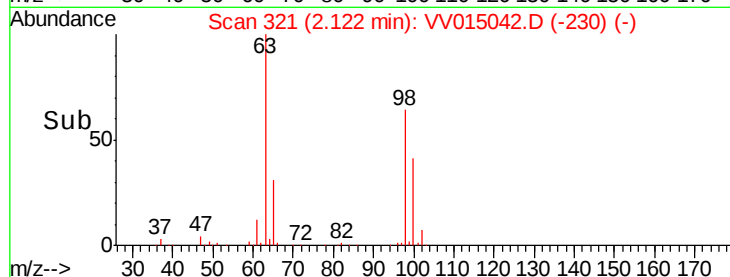
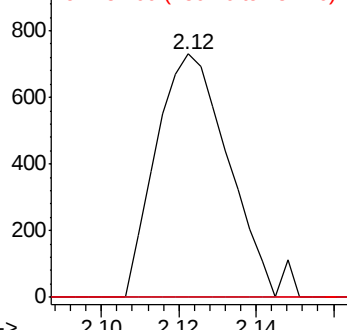
151 0.0 72.6 109.0#



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



#25

Chloroform

Concen: 1.137 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015042.D

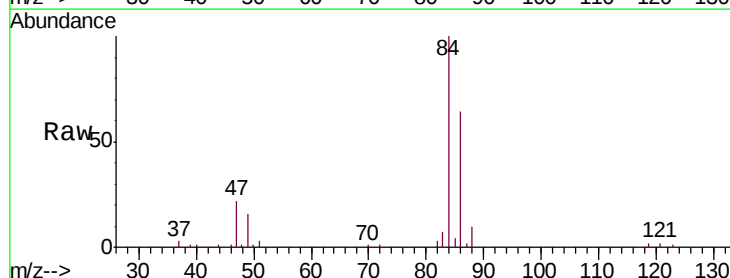
Acq: 19 Mar 2020 02:52

Tgt Ion: 83 Resp: 4142

Ion Ratio Lower Upper

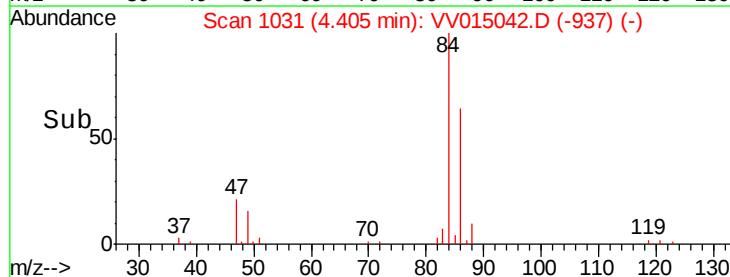
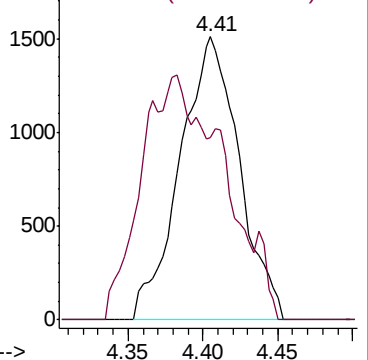
83 100

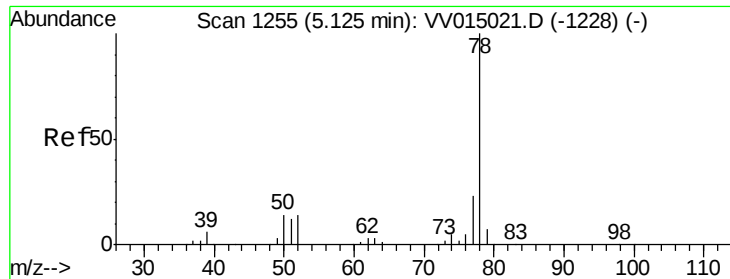
85 64.2 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 2.624 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV015042.D

Acq: 19 Mar 2020 02:52

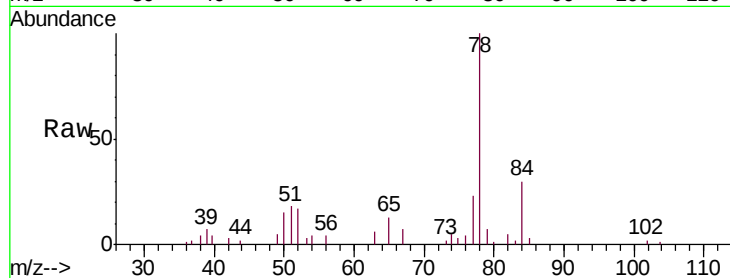
Instrument :

MSVOA_V

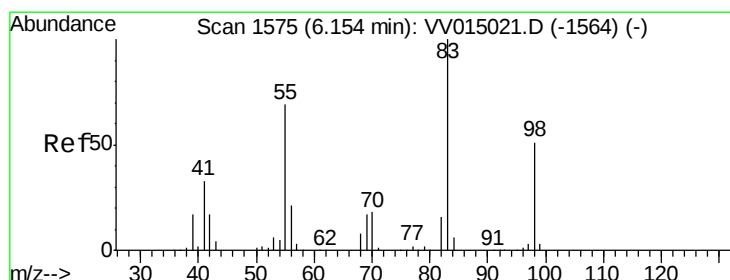
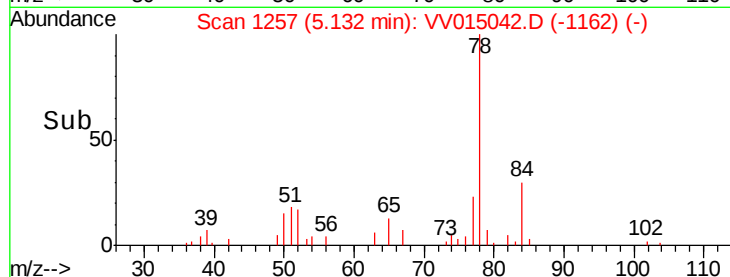
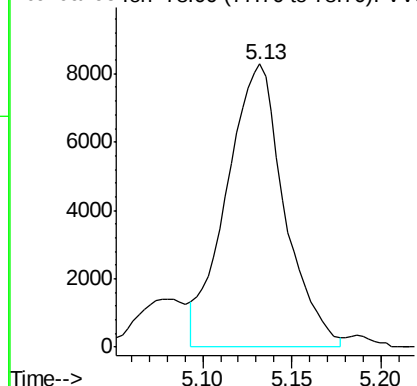
ClientSampleId :

VIBLK72

Tgt Ion: 78 Resp: 18784



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Methylcyclohexane

Concen: 10.290 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV015042.D

Acq: 19 Mar 2020 02:52

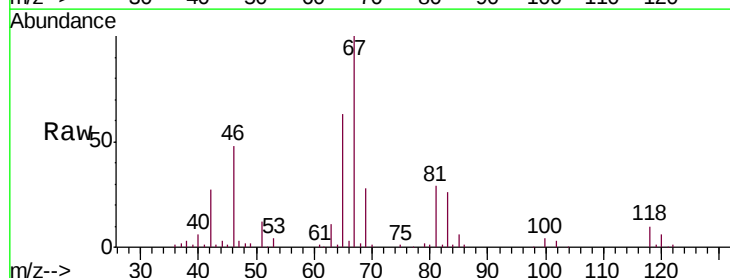
Tgt Ion: 83 Resp: 31671

Ion Ratio Lower Upper

83 100

55 0.2 55.4 83.0#

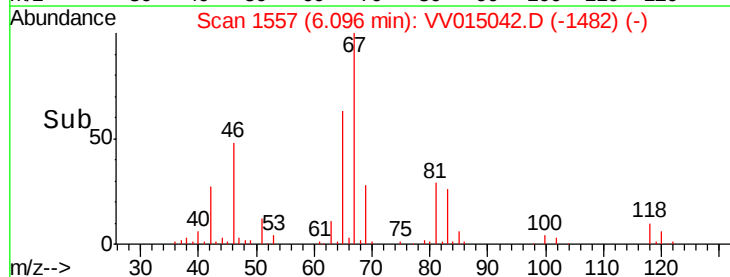
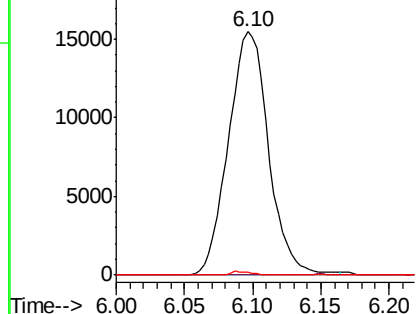
98 0.8 40.6 61.0#

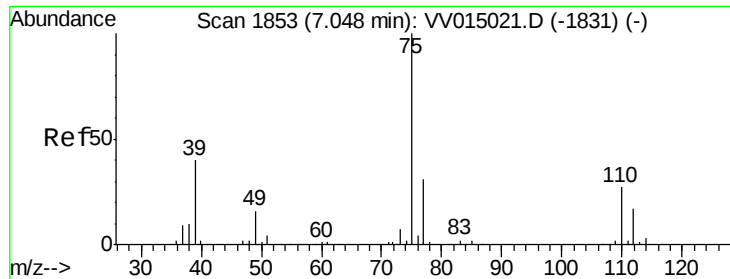


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#39

cis-1,3-Dichloropropene

Concen: 1.155 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV015042.D

Acq: 19 Mar 2020 02:52

Instrument :

MSVOA_V

ClientSampleId :

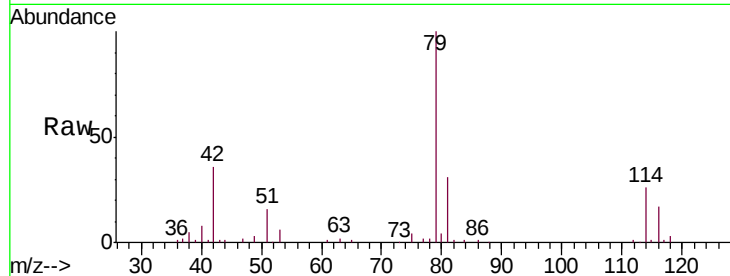
VIBLK72

Tgt Ion: 75 Resp: 3349

Ion Ratio Lower Upper

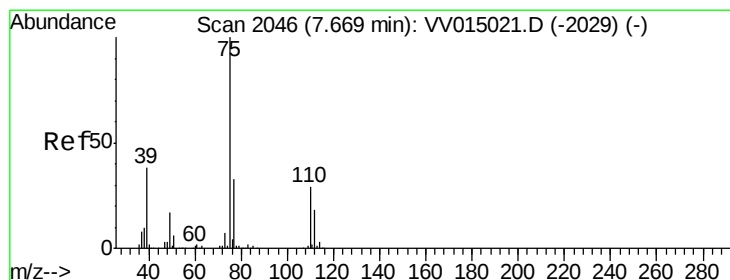
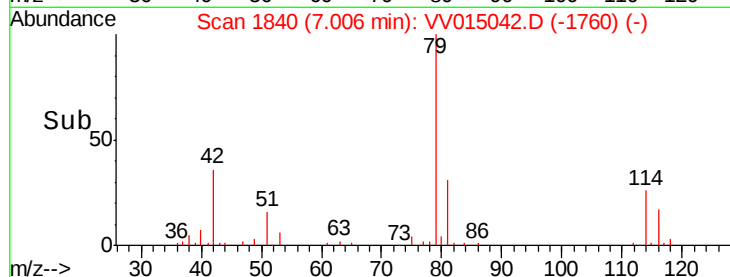
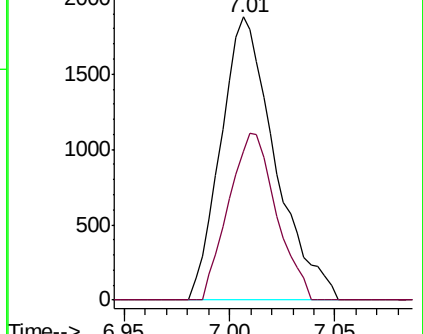
75 100

77 52.4 21.1 39.3#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.917 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV015042.D

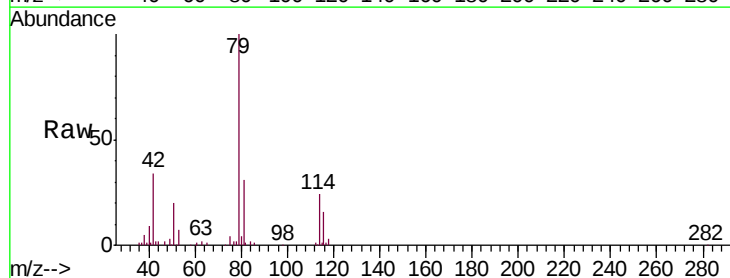
Acq: 19 Mar 2020 02:52

Tgt Ion: 75 Resp: 2407

Ion Ratio Lower Upper

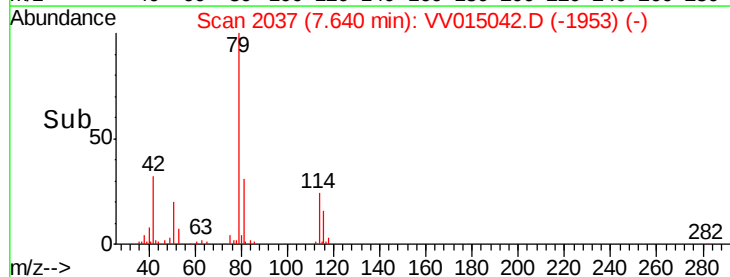
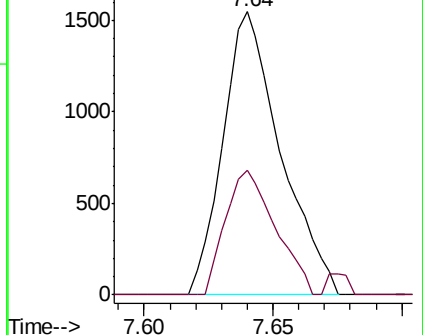
75 100

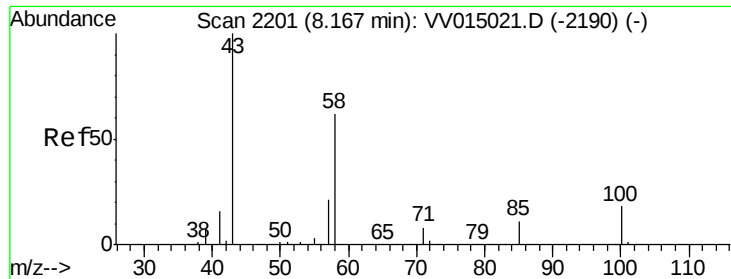
77 44.2 21.7 40.3#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

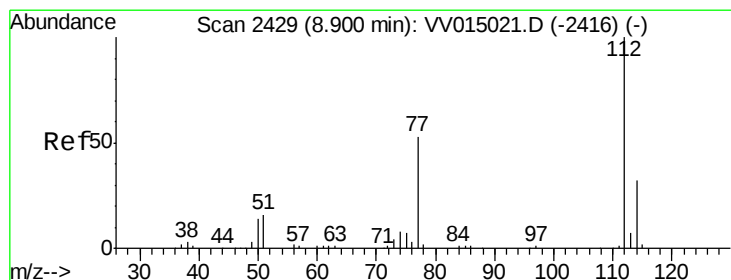
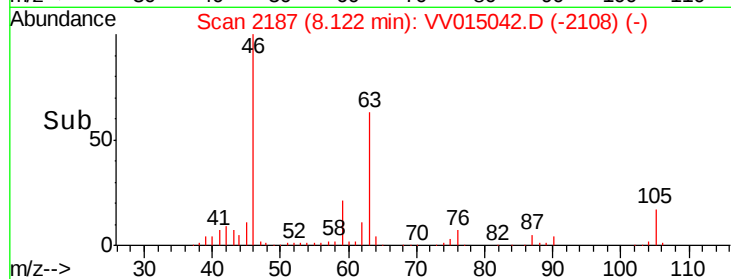
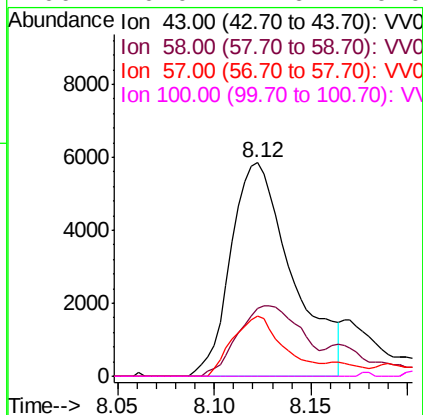
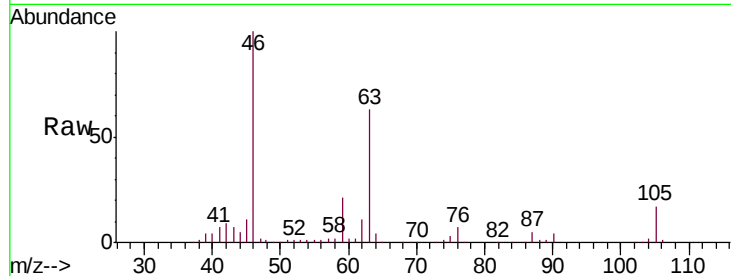




#48
2-Hexanone
Concen: 7.223 ug/L
RT: 8.12 min Scan# 2187
Delta R.T. -0.05 min
Lab File: VV015042.D
Acq: 19 Mar 2020 02:52

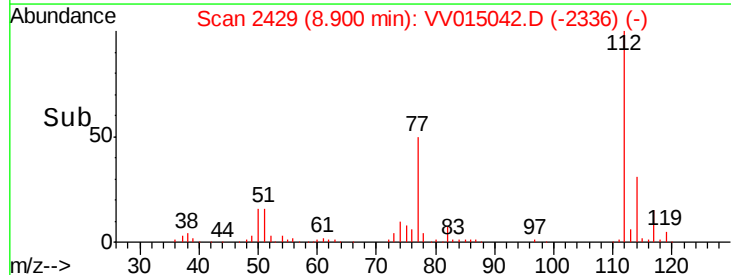
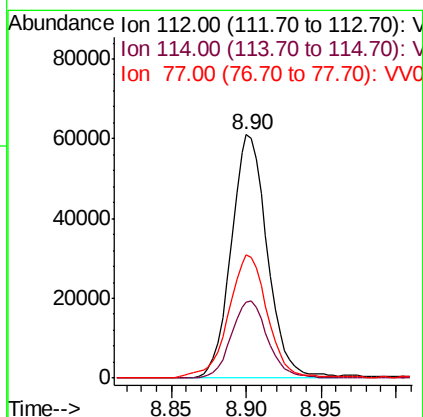
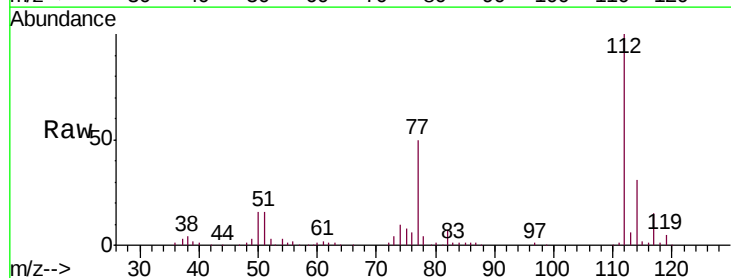
Instrument :
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ClientSampleId :
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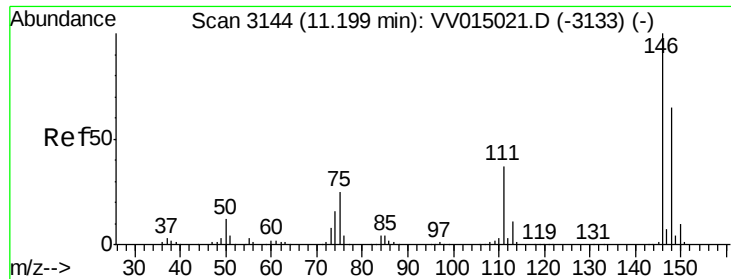
Tgt Ion:	43	Resp:	12940
Ion	Ratio	Lower	Upper
43	100		
58	33.9	48.2	72.2#
57	23.6	15.8	23.6
100	0.0	12.6	19.0#



#51
Chlorobenzene
Concen: 18.011 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV015042.D
Acq: 19 Mar 2020 02:52

Tgt Ion:	112	Resp:	102495
Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.4	41.6
77	50.4	42.9	64.3





#62

1,3-Dichlorobenzene

Concen: 6.680 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015042.D

Acq: 19 Mar 2020 02:52

Instrument :

MSVOA_V

ClientSampled :

VIBLK72

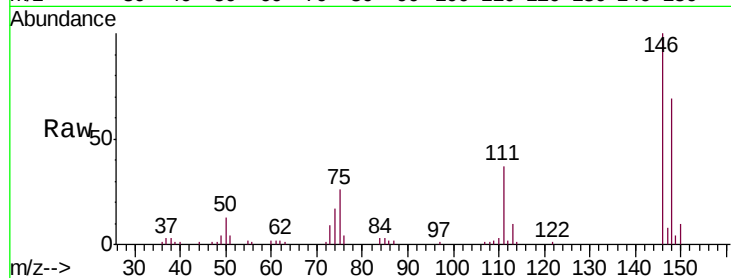
Tgt Ion:146 Resp: 27520

Ion Ratio Lower Upper

146 100

111 36.7 25.7 47.7

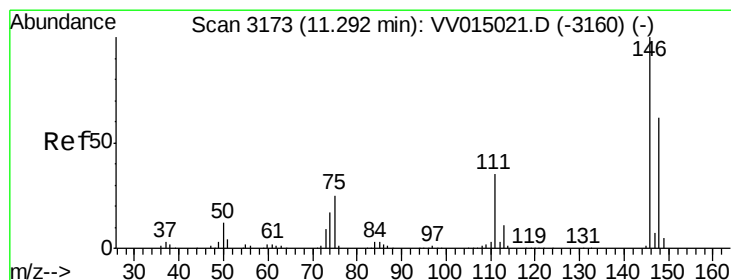
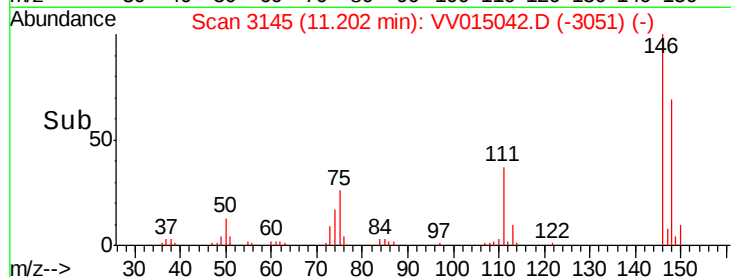
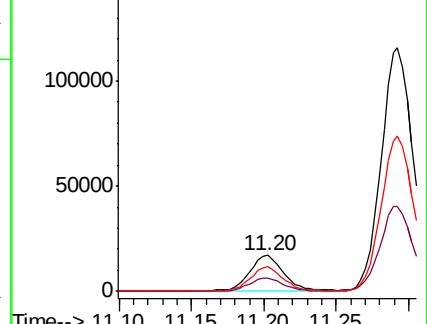
148 69.3 45.4 84.4



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



#63

1,4-Dichlorobenzene

Concen: 41.876 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV015042.D

Acq: 19 Mar 2020 02:52

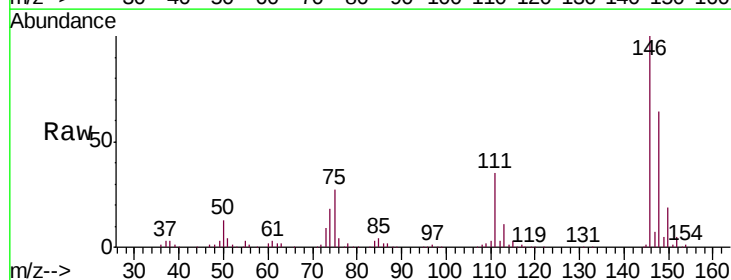
Tgt Ion:146 Resp: 179590

Ion Ratio Lower Upper

146 100

111 34.7 25.8 48.0

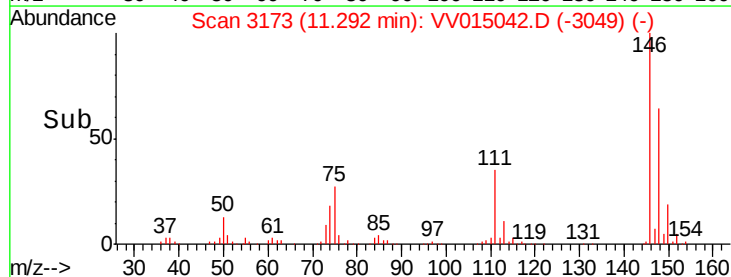
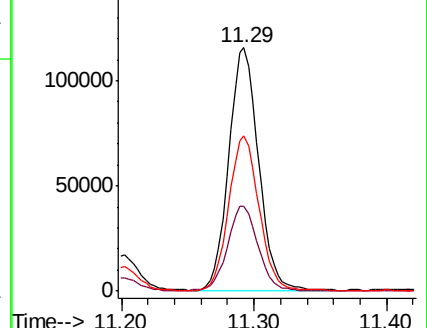
148 63.9 45.7 84.9

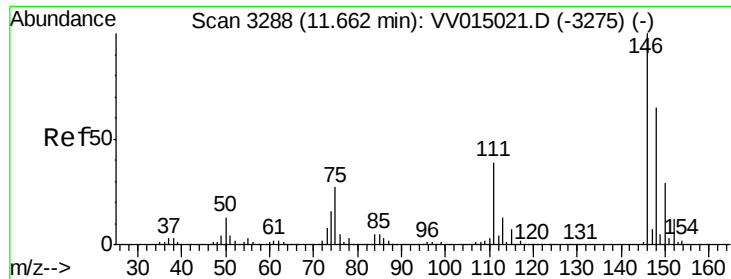


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

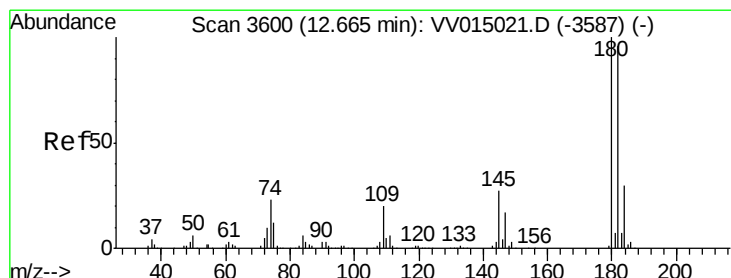
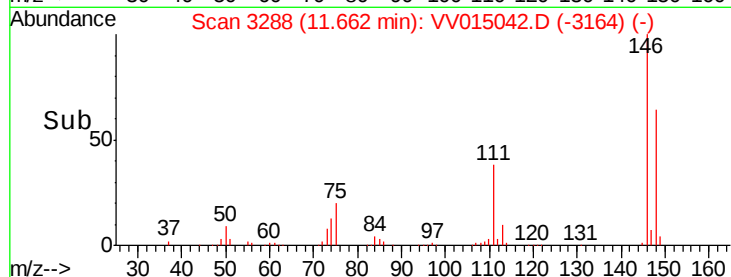
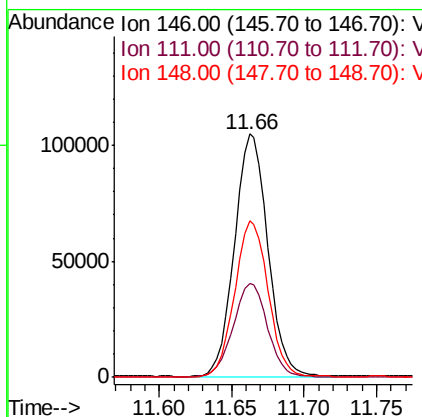
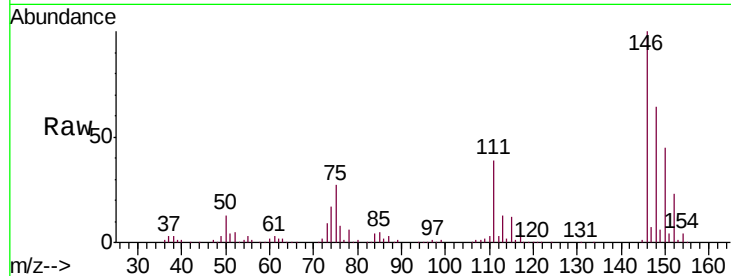




#65
 1,2-Dichlorobenzene
 Concen: 37.992 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: VV015042.D
 Acq: 19 Mar 2020 02:52

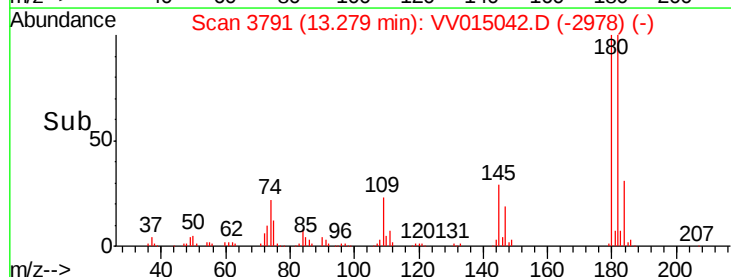
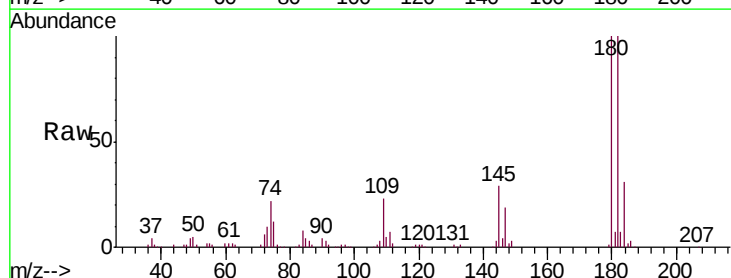
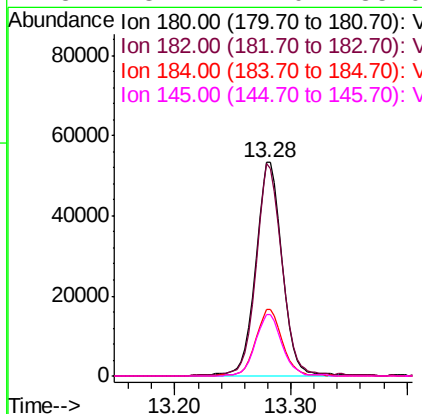
Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK72

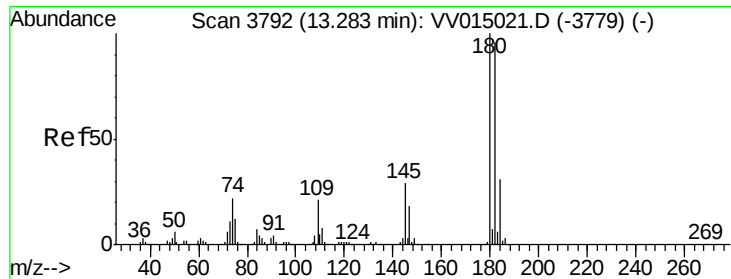
Tgt Ion:146 Resp: 166260
 Ion Ratio Lower Upper
 146 100
 111 38.8 31.5 47.3
 148 64.1 51.7 77.5



#67
 1,3,5-Trichlorobenzene
 Concen: 26.281 ug/L
 RT: 13.28 min Scan# 3791
 Delta R.T. 0.61 min
 Lab File: VV015042.D
 Acq: 19 Mar 2020 02:52

Tgt Ion:180 Resp: 85671
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.2 112.8
 184 31.1 23.9 35.9
 145 28.7 22.0 33.0

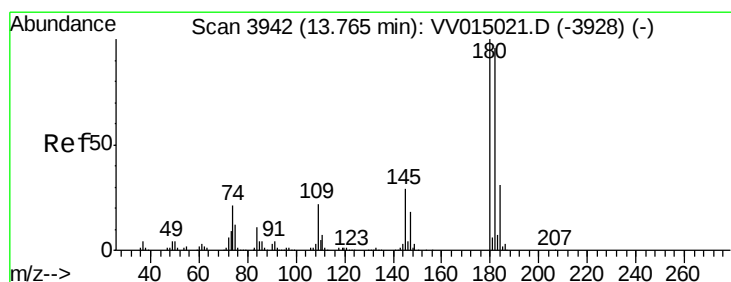
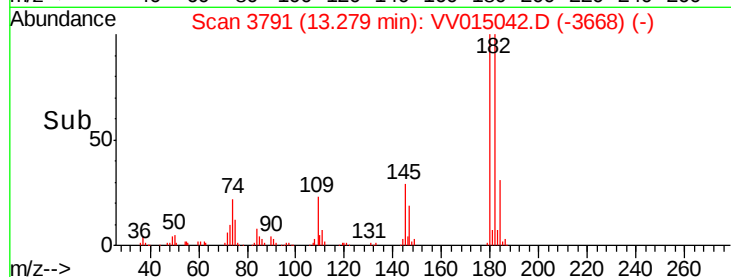
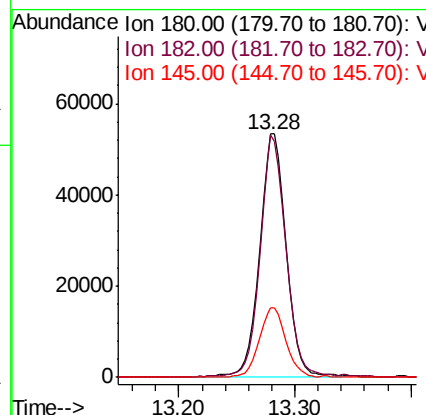
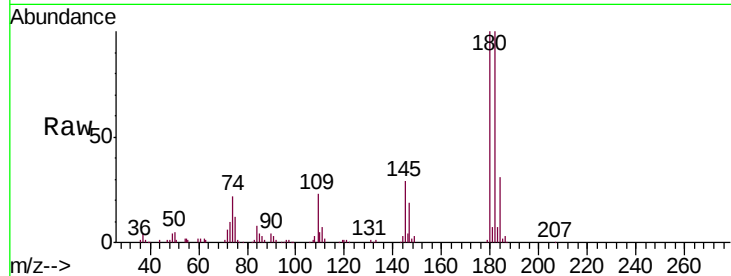




#68
 1,2,4-trichlorobenzene
 Concen: 28.538 ug/L
 RT: 13.28 min Scan# 3791
 Delta R.T. -0.00 min
 Lab File: VV015042.D
 Acq: 19 Mar 2020 02:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK72

Tgt Ion:180 Resp: 85671
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.3 114.5
 145 28.7 22.2 33.4



#70
 1,2,3-Trichlorobenzene
 Concen: 11.372 ug/L
 RT: 13.76 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV015042.D
 Acq: 19 Mar 2020 02:52

Tgt Ion:180 Resp: 33540
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.5 113.3
 145 29.8 23.5 35.3

