

Data File : VV015033.D
Acq On : 18 Mar 2020 23:14
Operator : SY/MD
Sample : L1941-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DC3

Quant Time: Mar 19 04:12:20 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	335178	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	335030	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	187195	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79202	50.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.14%
7) Chloroethane-d5	1.58	69	63837	51.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.96%
11) 1,1-Dichloroethene-d2	2.12	63	99650	37.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.46%
21) 2-Butanone-d5	3.93	46	94847	89.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.33%
24) Chloroform-d	4.38	84	194347	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.94%
26) 1,2-Dichloroethane-d4	5.06	65	124673	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.80%
32) Benzene-d6	5.08	84	396470	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.74%
36) 1,2-Dichloropropane-d6	6.10	67	117378	50.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.92%
41) Toluene-d8	7.34	98	397193	49.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.26%
43) trans-1,3-Dichloropropene-	7.64	79	57432	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.38%
47) 2-Hexanone-d5	8.12	63	103333	96.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.40%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	168524	48.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	191379	50.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.86%

Target Compounds

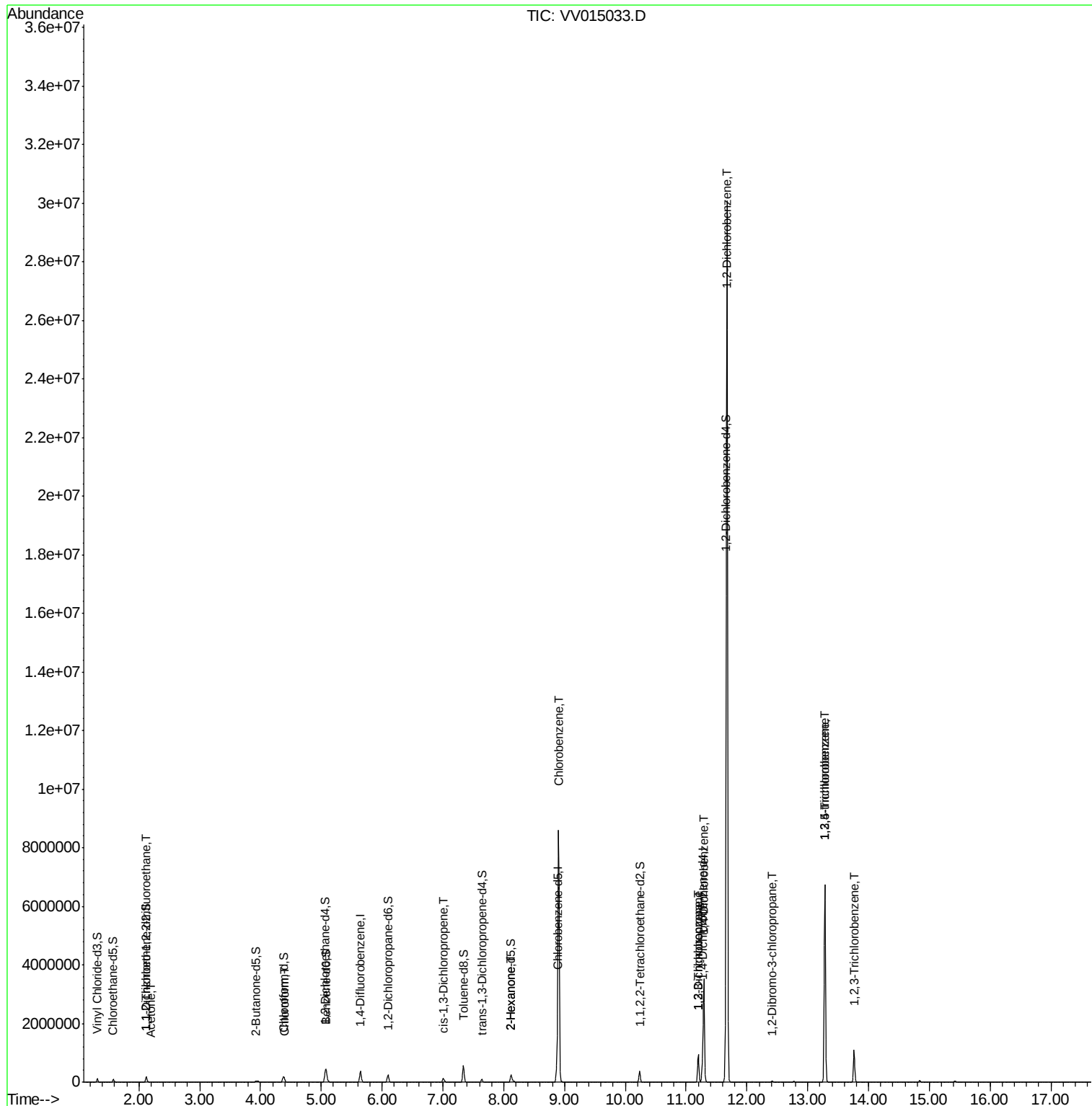
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1241	0.861	ug/L #	13
13) Acetone	2.19	43	846	0.958	ug/L	93
25) Chloroform	4.41	83	4782	1.215	ug/L	89
39) cis-1,3-Dichloropropene	7.01	75	3874	1.167	ug/L #	59
48) 2-Hexanone	8.12	43	11222	5.468	ug/L #	79
51) Chlorobenzene	8.90	112	4759718	730.171	ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	104325	37.426	ug/L #	43
62) 1,3-Dichlorobenzene	11.20	146	415196	73.687	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	1466558	250.046	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	13099540	2188.787	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.41	75	6930	8.285	ug/L #	1
67) 1,3,5-Trichlorobenzene	13.28	180	2186295	490.404	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	2186295	532.522	ug/L	99
70) 1,2,3-Trichlorobenzene	13.76	180	360042	89.264	ug/L	99

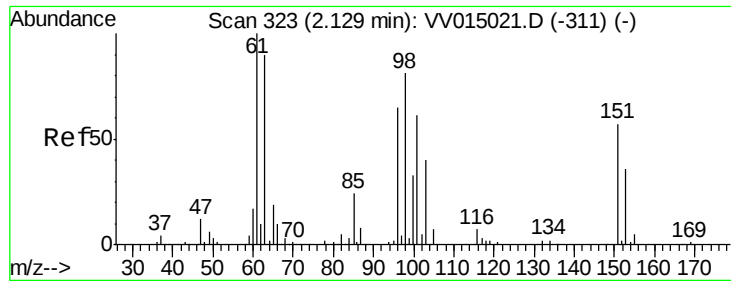
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.861 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015033.D

Acq: 18 Mar 2020 23:14

Instrument :

MSVOA_V

ClientSampleId :

C0DC3

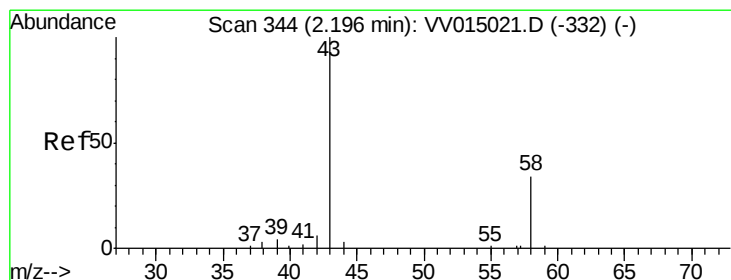
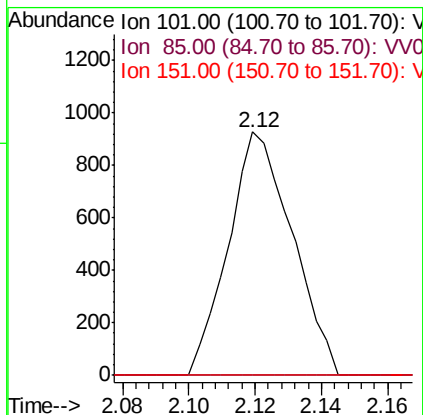
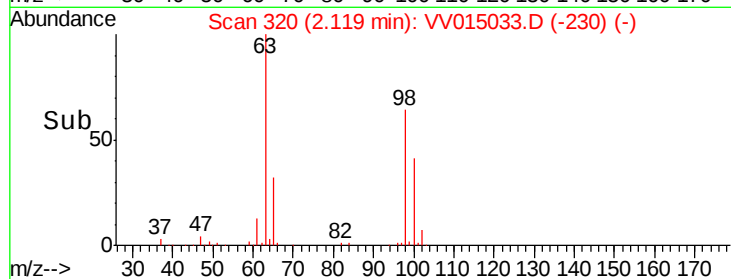
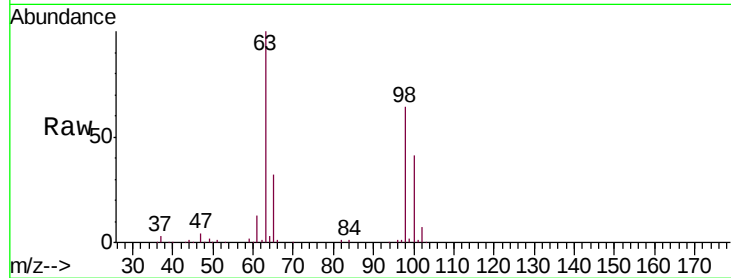
Tgt Ion:101 Resp: 1241

Ion Ratio Lower Upper

101 100

85 0.0 33.2 49.8#

151 0.0 72.6 109.0#



#13

Acetone

Concen: 0.958 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV015033.D

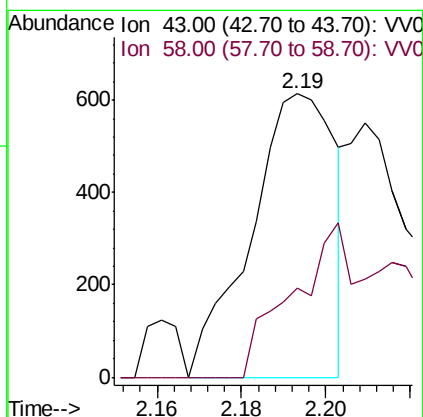
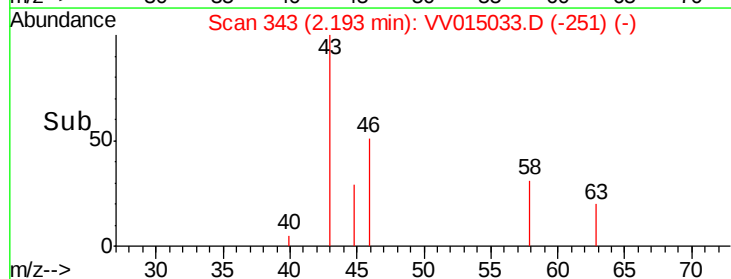
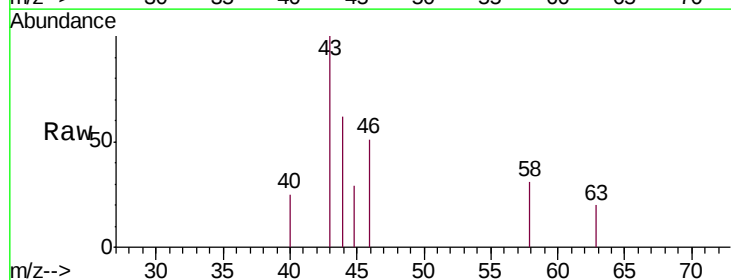
Acq: 18 Mar 2020 23:14

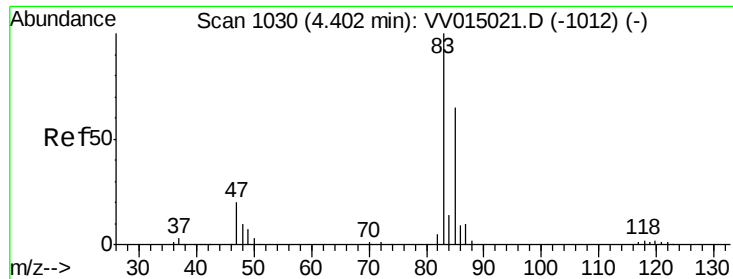
Tgt Ion: 43 Resp: 846

Ion Ratio Lower Upper

43 100

58 18.2 0.0 43.2

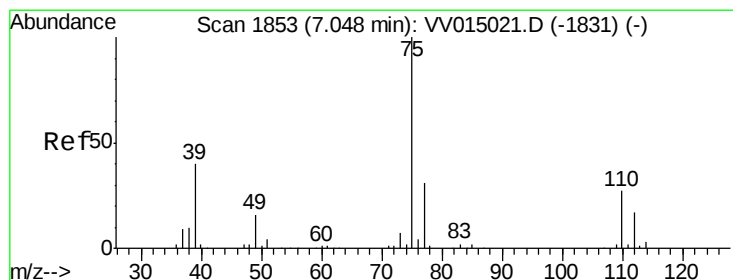
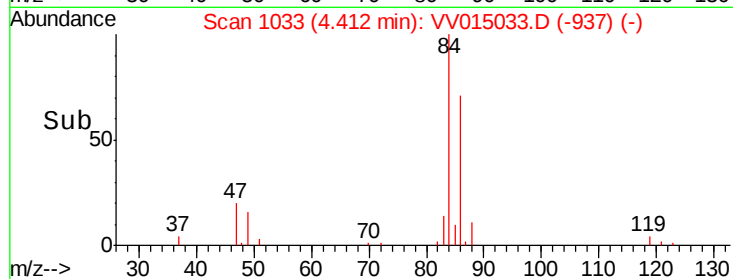
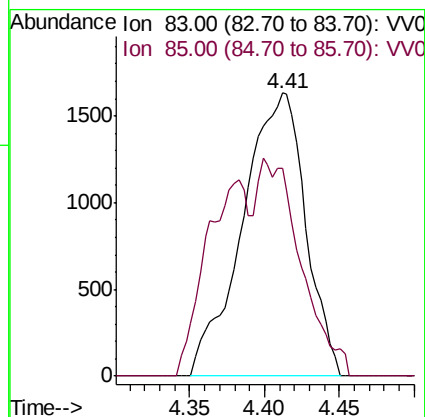
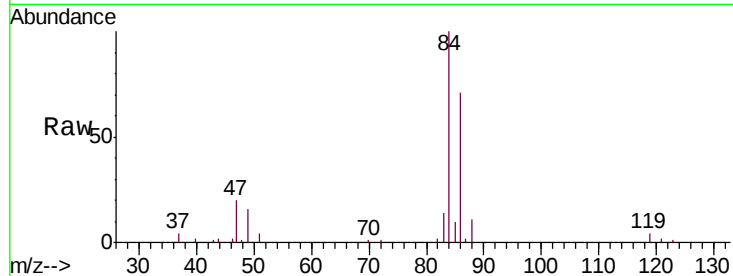




#25
Chloroform
Concen: 1.215 ug/L
RT: 4.41 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VV015033.D
Acq: 18 Mar 2020 23:14

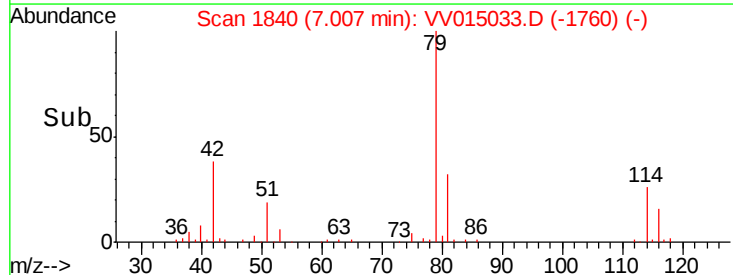
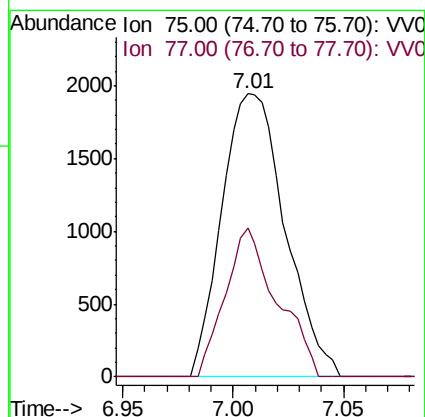
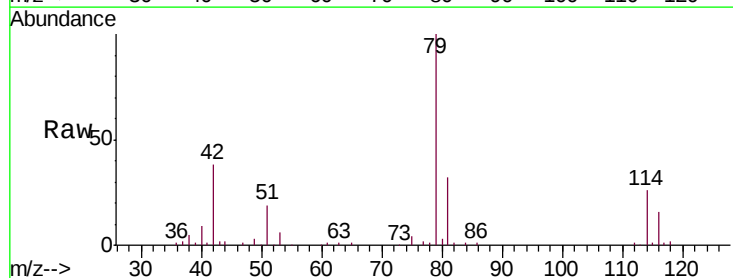
Instrument :
MSVOA_V
ClientSampled :
C0DC3

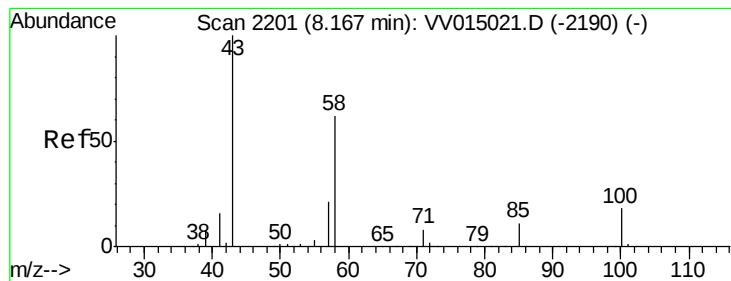
Tgt Ion: 83 Resp: 4782
Ion Ratio Lower Upper
83 100
85 73.2 45.4 84.4



#39
cis-1,3-Dichloropropene
Concen: 1.167 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV015033.D
Acq: 18 Mar 2020 23:14

Tgt Ion: 75 Resp: 3874
Ion Ratio Lower Upper
75 100
77 52.6 21.1 39.3#





#48

2-Hexanone

Concen: 5.468 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV015033.D

Acq: 18 Mar 2020 23:14

Instrument :

MSVOA_V

ClientSampleId :

C0DC3

Tgt Ion: 43 Resp: 11222

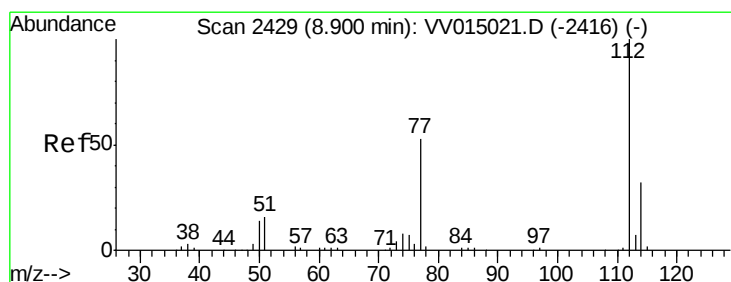
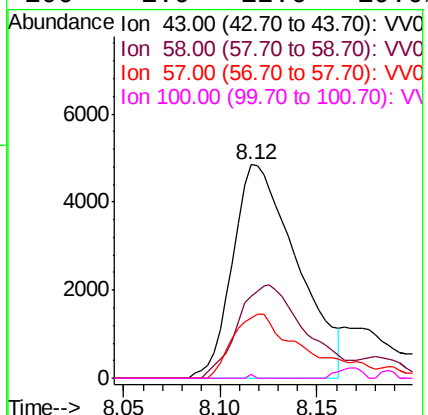
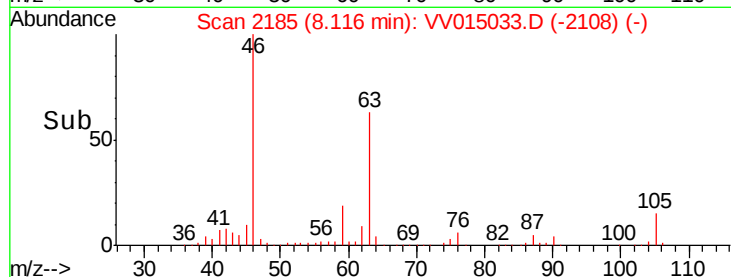
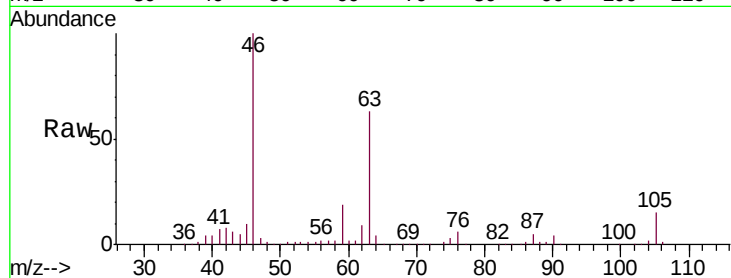
Ion Ratio Lower Upper

43 100

58 46.1 48.2 72.2#

57 28.2 15.8 23.6#

100 1.9 12.6 19.0#



#51

Chlorobenzene

Concen: 730.171 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015033.D

Acq: 18 Mar 2020 23:14

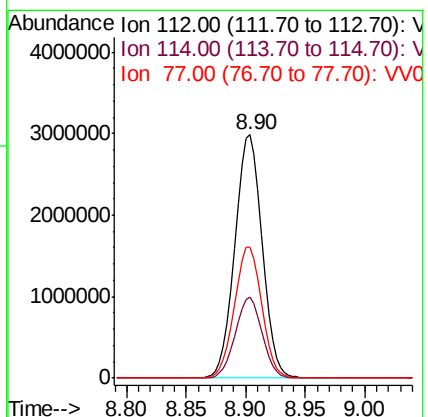
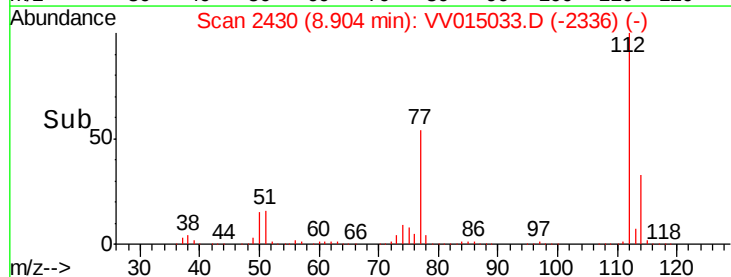
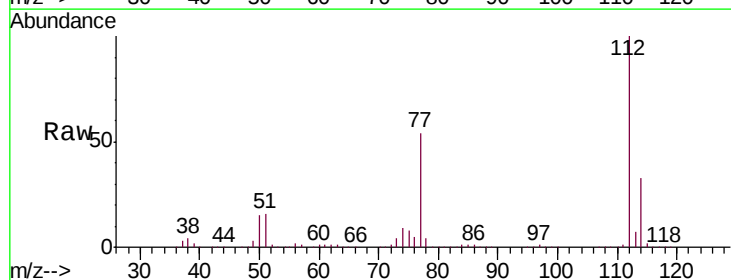
Tgt Ion: 112 Resp: 4759718

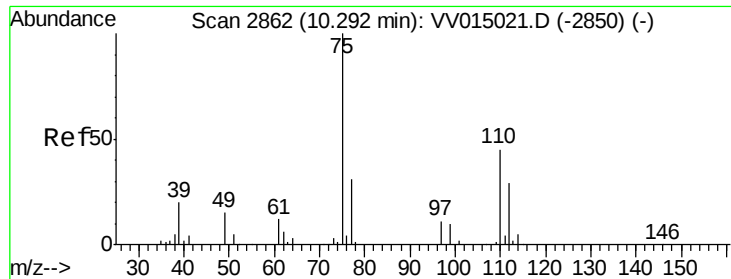
Ion Ratio Lower Upper

112 100

114 33.1 22.4 41.6

77 53.9 42.9 64.3





#59

1,2,3-Trichloropropane

Concen: 37.426 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. 0.91 min

Lab File: VV015033.D

Acq: 18 Mar 2020 23:14

Instrument :

MSVOA_V

ClientSampleId :

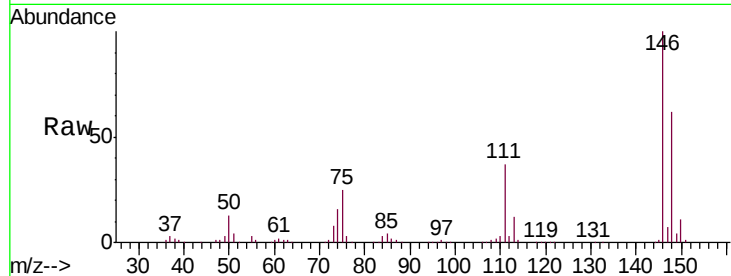
C0DC3

Tgt Ion: 75 Resp: 104325

Ion Ratio Lower Upper

75 100

77 0.9 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

11.20

60000

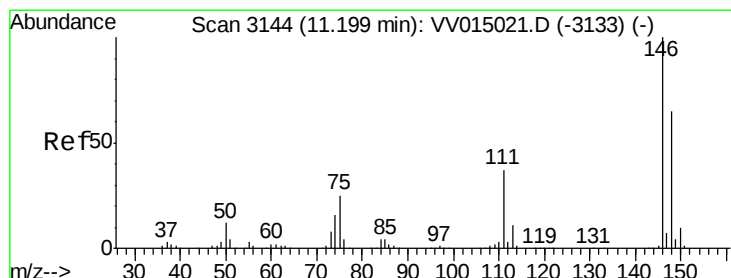
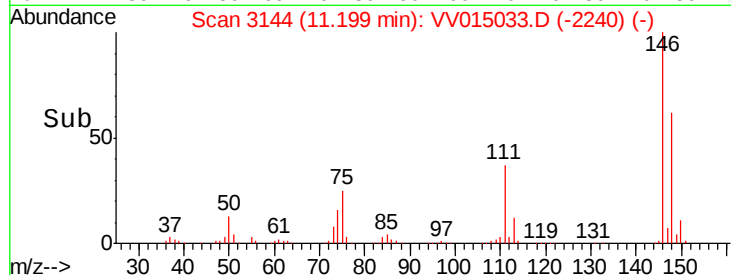
40000

20000

0

11.15 11.20 11.25

Time-->



#62

1,3-Dichlorobenzene

Concen: 73.687 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. 0.00 min

Lab File: VV015033.D

Acq: 18 Mar 2020 23:14

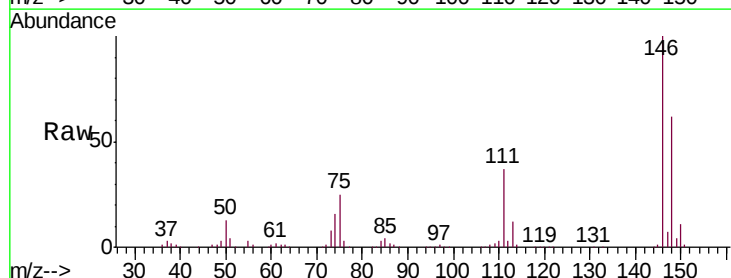
Tgt Ion: 146 Resp: 415196

Ion Ratio Lower Upper

146 100

111 36.5 25.7 47.7

148 62.3 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

11.20

1200000

1000000

800000

600000

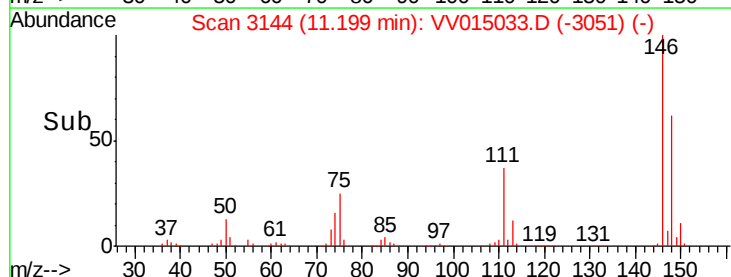
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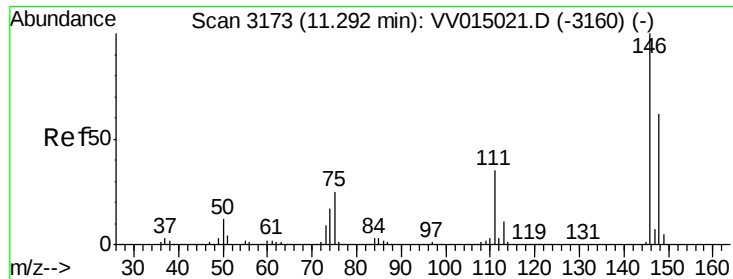
200000

0

11.15 11.20 11.25

Time-->

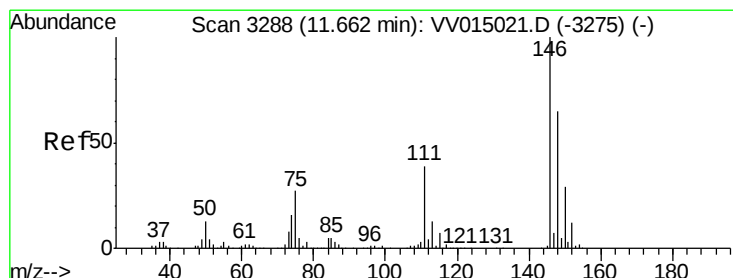
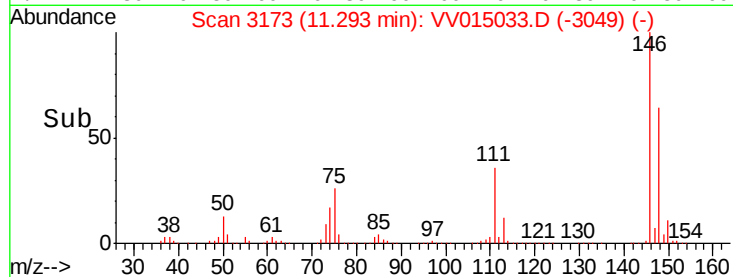
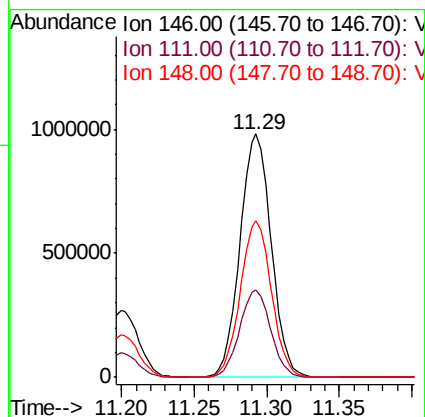
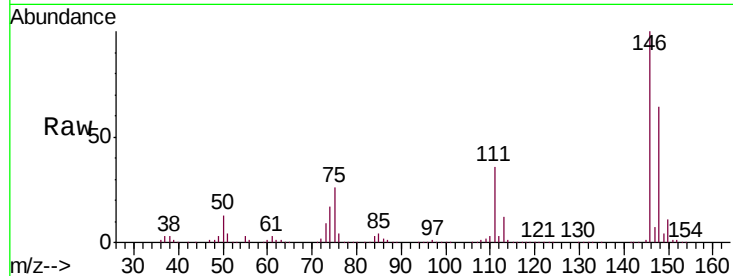




#63
 1,4-Dichlorobenzene
 Concen: 250.046 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV015033.D
 Acq: 18 Mar 2020 23:14

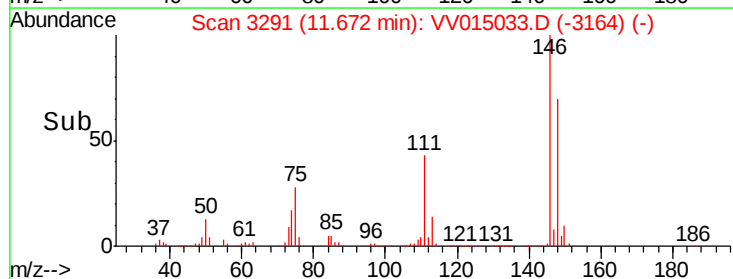
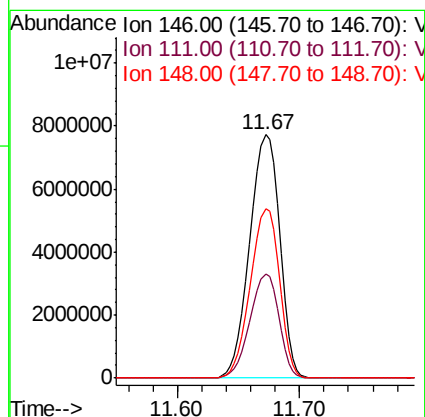
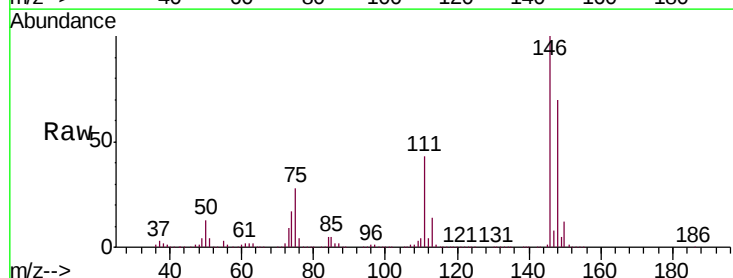
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC3

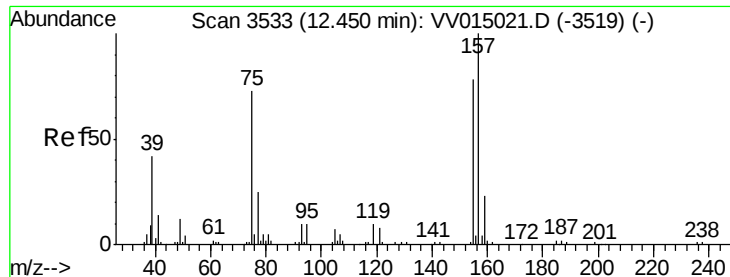
Tgt Ion:146 Resp: 1466558
 Ion Ratio Lower Upper
 146 100
 111 35.9 25.8 48.0
 148 64.4 45.7 84.9



#65
 1,2-Dichlorobenzene
 Concen: 2188.787 ug/L
 RT: 11.67 min Scan# 3291
 Delta R.T. 0.01 min
 Lab File: VV015033.D
 Acq: 18 Mar 2020 23:14

Tgt Ion:146 Resp:13099540
 Ion Ratio Lower Upper
 146 100
 111 43.0 31.5 47.3
 148 69.7 51.7 77.5

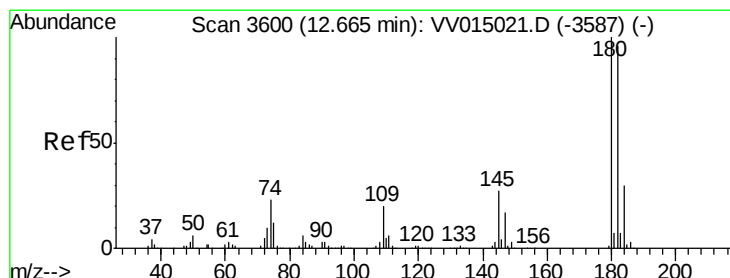
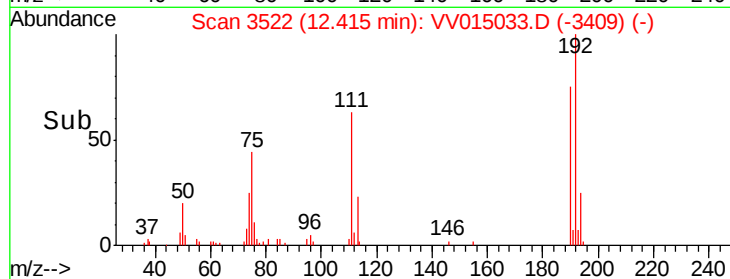
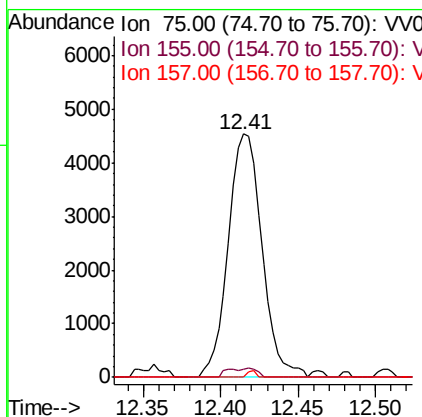
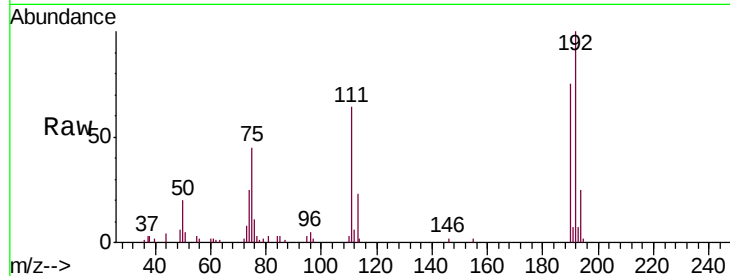




#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.285 ug/L
 RT: 12.41 min Scan# 3522
 Delta R.T. -0.04 min
 Lab File: VV015033.D
 Acq: 18 Mar 2020 23:14

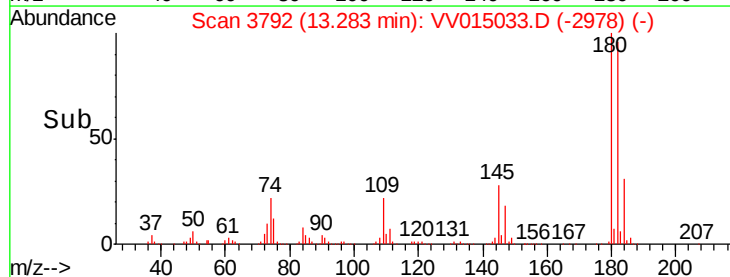
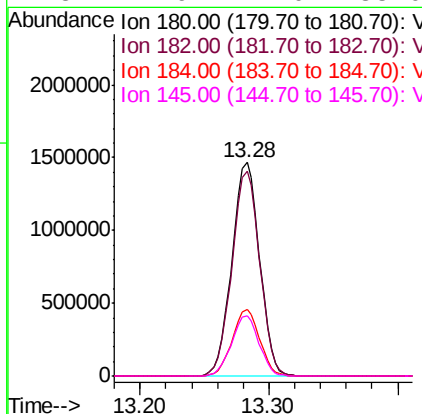
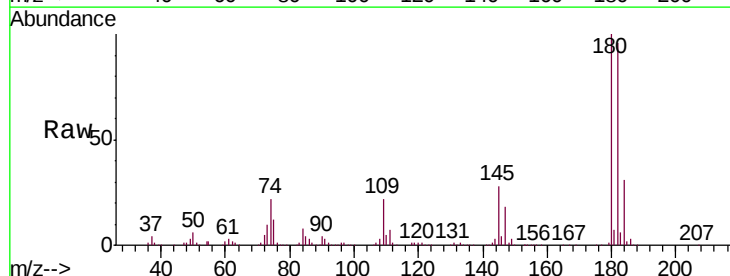
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC3

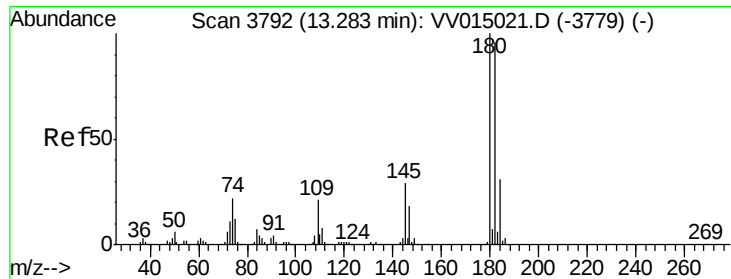
Tgt Ion: 75 Resp: 6930
 Ion Ratio Lower Upper
 75 100
 155 3.3 80.6 121.0#
 157 0.0 104.6 157.0#



#67
 1,3,5-Trichlorobenzene
 Concen: 490.404 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV015033.D
 Acq: 18 Mar 2020 23:14

Tgt Ion: 180 Resp: 2186295
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.2 112.8
 184 30.8 23.9 35.9
 145 27.9 22.0 33.0

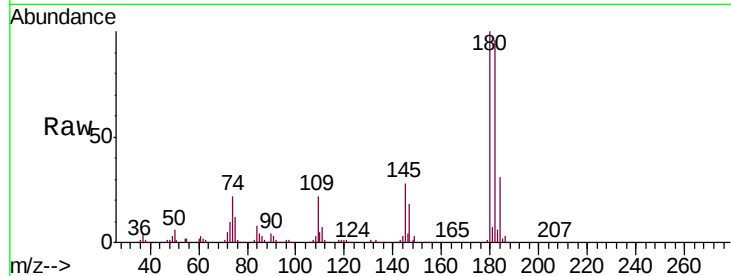




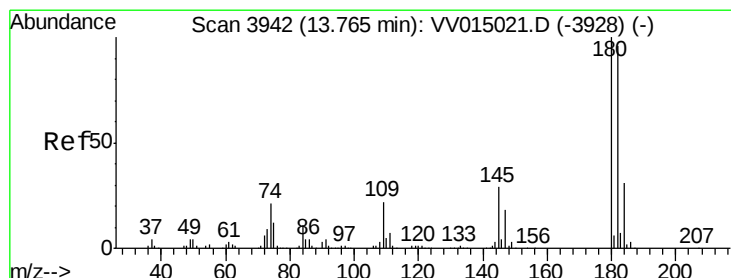
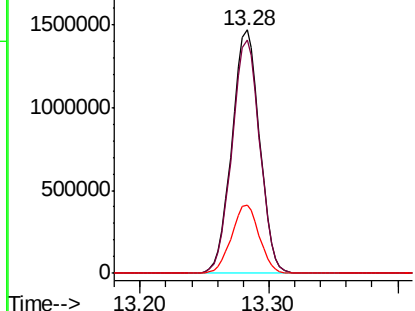
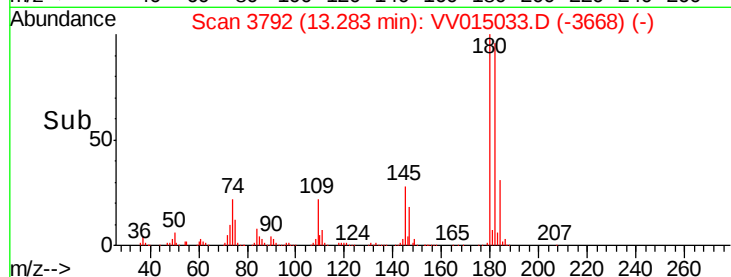
#68
 1,2,4-trichlorobenzene
 Concen: 532.522 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015033.D
 Acq: 18 Mar 2020 23:14

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC3

Tgt Ion:180 Resp: 2186295
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.3 114.5
 145 27.9 22.2 33.4

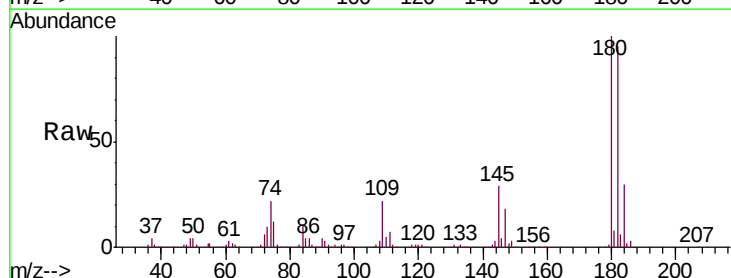


Abundance Ion 180.00 (179.70 to 180.70): V
 2000000 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 89.264 ug/L
 RT: 13.76 min Scan# 3941
 Delta R.T. -0.00 min
 Lab File: VV015033.D
 Acq: 18 Mar 2020 23:14

Tgt Ion:180 Resp: 360042
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.5 113.3
 145 29.0 23.5 35.3



Abundance Ion 180.00 (179.70 to 180.70): V
 300000 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

