

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040220\
 Data File : VV015370.D
 Acq On : 02 Apr 2020 13:35
 Operator : SY/MD
 Sample : L2005-02 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 03 01:33:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 03 01:25:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	703908	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	678220	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	323590	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	223848	35.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.94%
7) Chloroethane-d5	1.58	69	203402	37.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.46%
11) 1,1-Dichloroethene-d2	2.12	63	352471	31.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.48%
21) 2-Butanone-d5	3.94	46	299975	89.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.42%
24) Chloroform-d	4.38	84	426124	40.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.80%
26) 1,2-Dichloroethane-d4	5.06	65	279400	43.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.10%
32) Benzene-d6	5.08	84	893357	42.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.54%
36) 1,2-Dichloropropane-d6	6.09	67	264865	43.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.02%
41) Toluene-d8	7.34	98	854693	42.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.58%
43) trans-1,3-Dichloropropene-	7.64	79	136369	40.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.16%
47) 2-Hexanone-d5	8.12	63	244371	86.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.89%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	382633	43.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.34%
64) 1,2-Dichlorobenzene-d4	11.65	152	329968	44.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.66%

Target Compounds

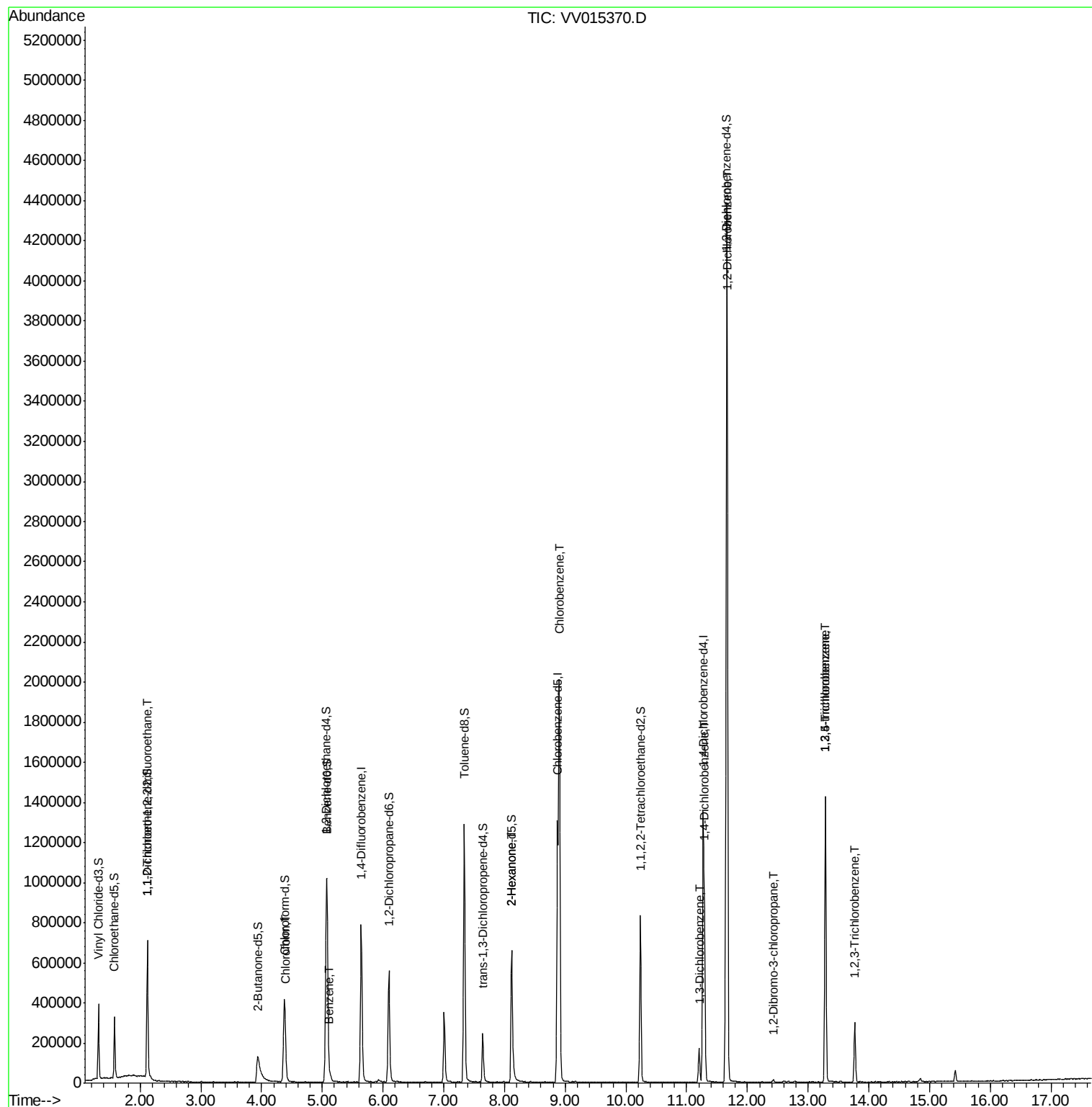
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	4347	0.819	ug/L #	22
25) Chloroform	4.40	83	12168	1.282	ug/L	85
33) Benzene	5.13	78	33718	1.680	ug/L	100
48) 2-Hexanone	8.12	43	30780	5.869	ug/L #	80
51) Chlorobenzene	8.90	112	1093417	74.780	ug/L	97
62) 1,3-Dichlorobenzene	11.21	146	68870	6.322	ug/L	95
63) 1,4-Dichlorobenzene	11.30	146	304738	27.582	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	1618656	145.678	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.42	75	2271	1.035	ug/L #	4
67) 1,3,5-Trichlorobenzene	13.29	180	400349	55.453	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	400349	60.708	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	84601	12.454	ug/L	100

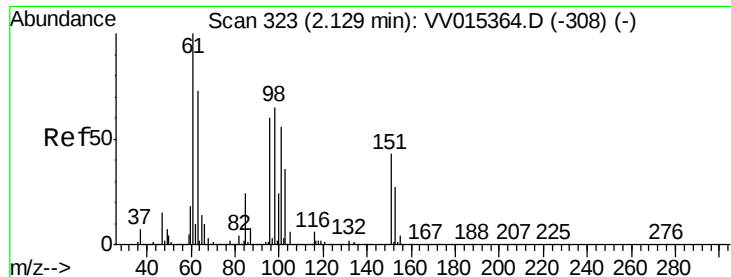
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 03 01:25:45 2020
Response via : Initial Calibration





#10

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

Concen: 0.819 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV015370.D

Acq: 02 Apr 2020 13:35

Instrument :

MSVOA_V

ClientSampleId :

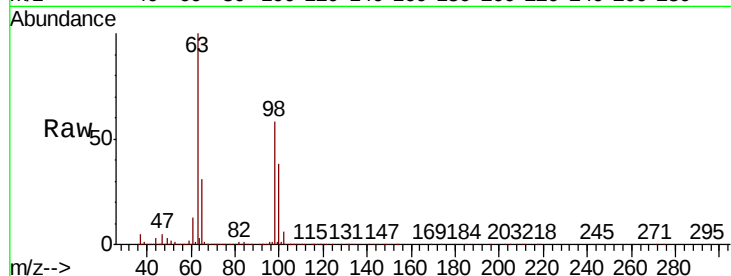
Tot Ion:101 Resp: 4347

Ion Ratio Lower Upper

101 100

85 3.8 36.1 54.1#

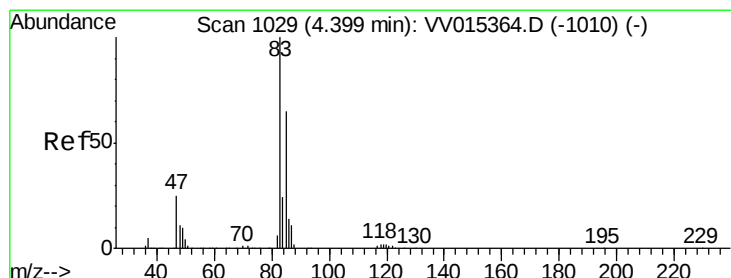
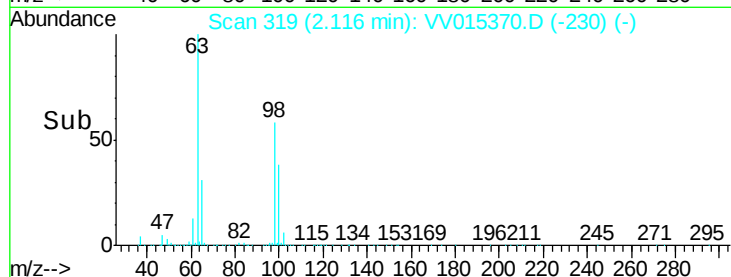
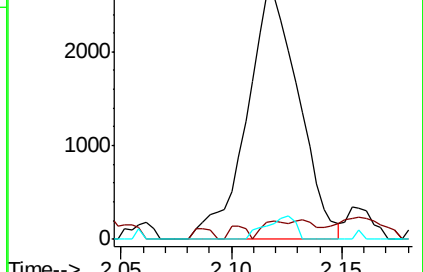
151 0.0 58.2 87.4#



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: 1.282 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV015370.D

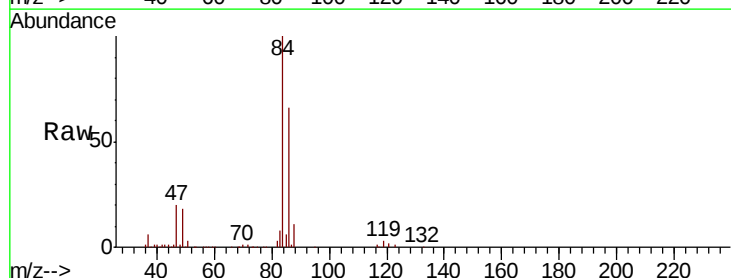
Acq: 02 Apr 2020 13:35

Tgt Ion: 83 Resp: 12168

Ion Ratio Lower Upper

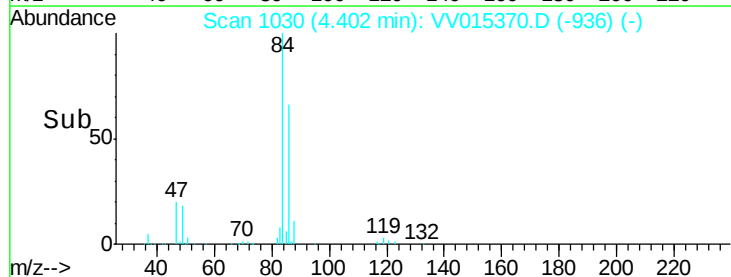
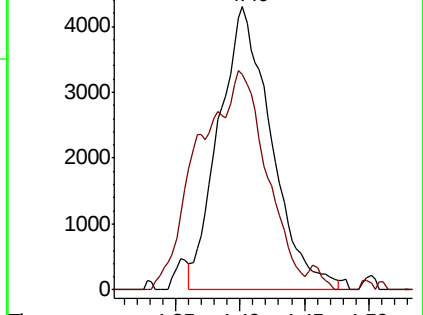
83 100

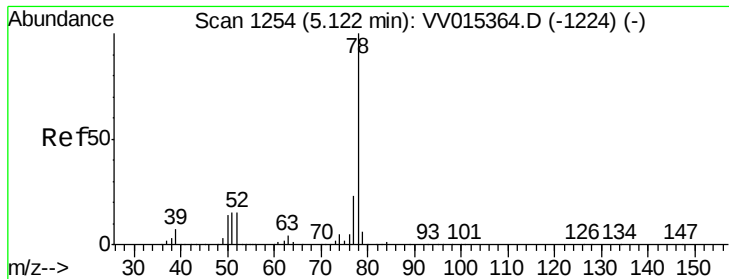
85 76.1 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 1.680 ug/L

RT: 5.13 min Scan# 1255

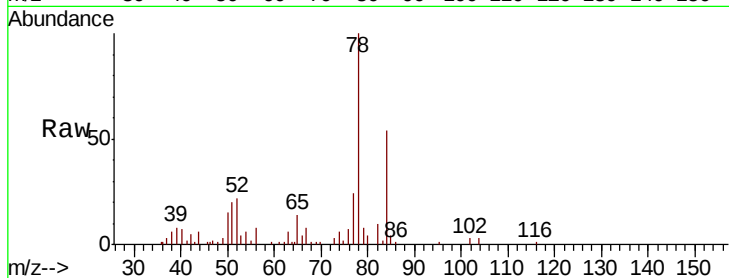
Delta R.T. 0.00 min

Lab File: VV015370.D

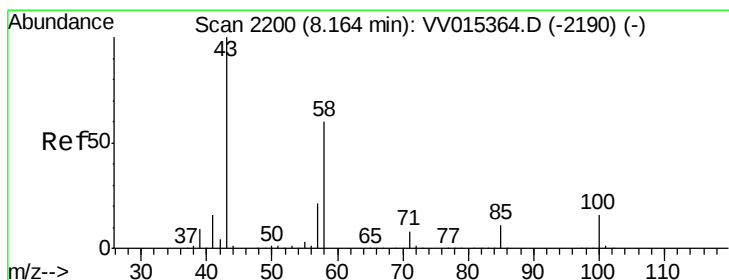
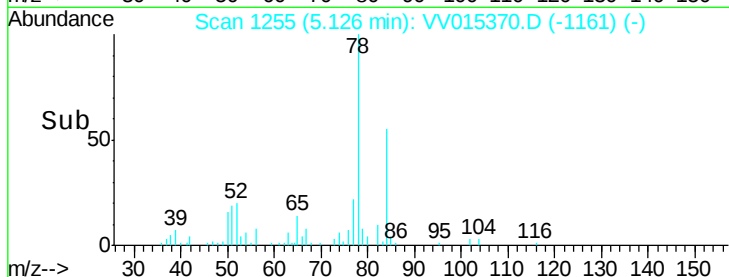
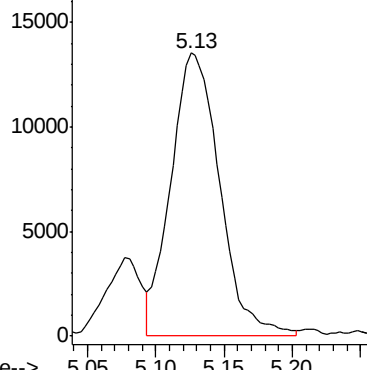
Acq: 02 Apr 2020 13:35

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 33718



Abundance Ion 78.00 (77.70 to 78.70): VV0



#48

2-Hexanone

Concen: 5.869 ug/L

RT: 8.12 min Scan# 2185

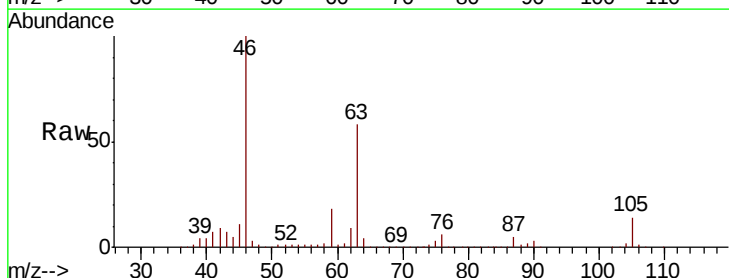
Delta R.T. -0.05 min

Lab File: VV015370.D

Acq: 02 Apr 2020 13:35

Tgt Ion: 43 Resp: 30780

Ion	Ratio	Lower	Upper
43	100		
58	41.4	47.4	71.2#
57	21.1	16.7	25.1
100	0.3	11.5	17.3#

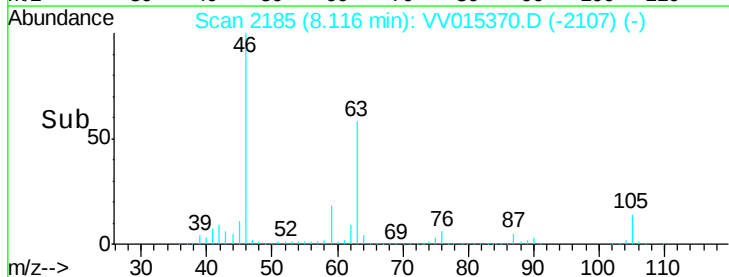
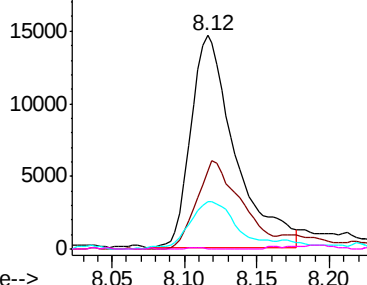


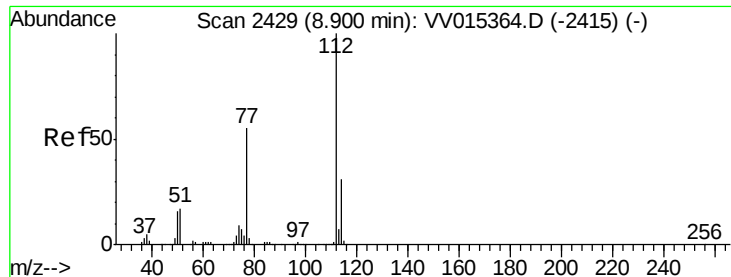
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#51

Chlorobenzene

Concen: 74.780 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015370.D

Acq: 02 Apr 2020 13:35

Instrument :

MSVOA_V

ClientSampleId :

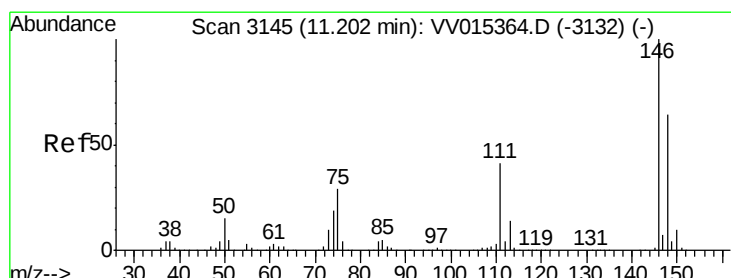
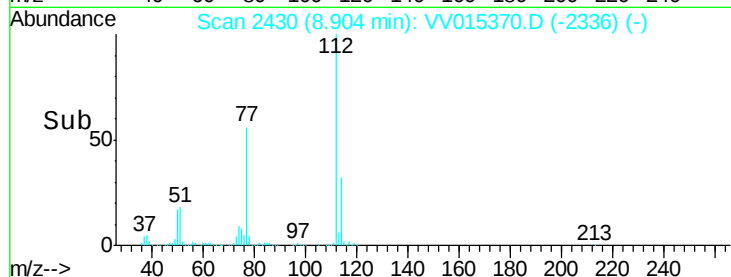
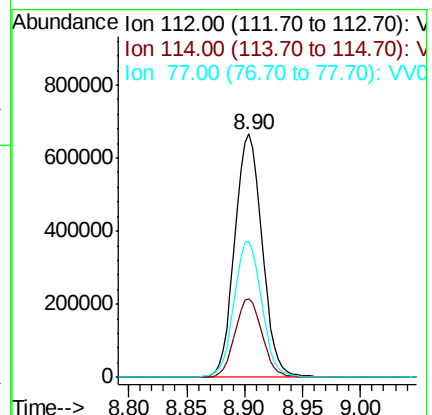
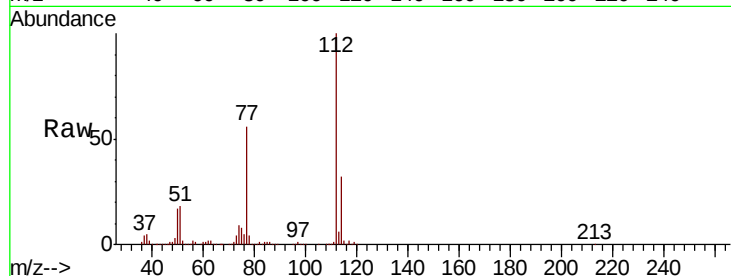
Tot Ion:112 Resp: 1093417

Ion Ratio Lower Upper

112 100

114 32.4 21.8 40.4

77 55.8 46.2 69.2



#62

1,3-Dichlorobenzene

Concen: 6.322 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015370.D

Acq: 02 Apr 2020 13:35

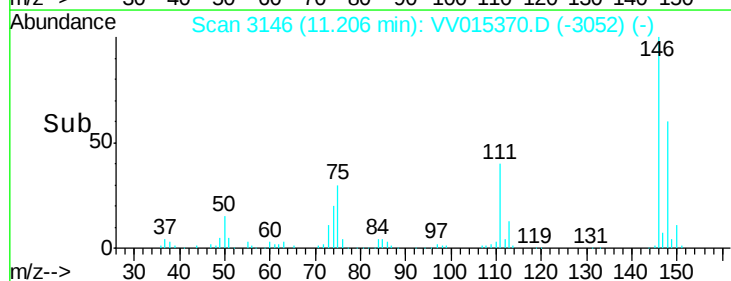
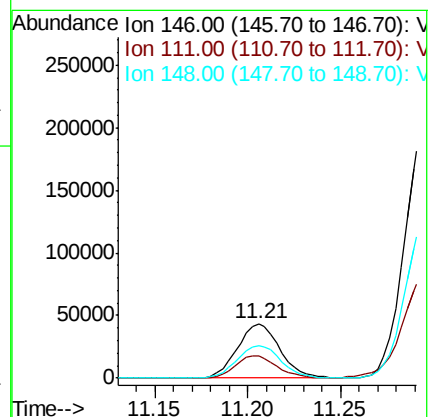
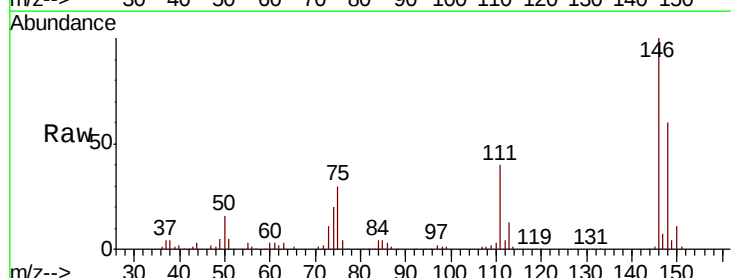
Tgt Ion:146 Resp: 68870

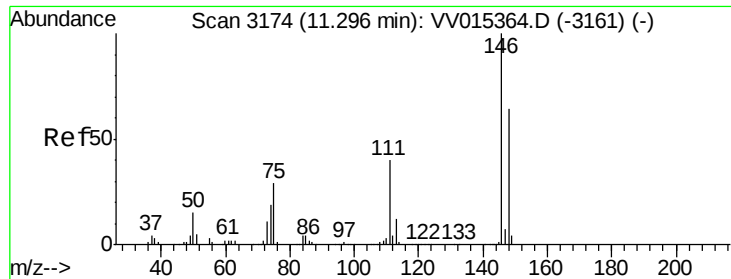
Ion Ratio Lower Upper

146 100

111 39.6 30.2 56.2

148 60.2 44.7 83.1





#63

1,4-Dichlorobenzene

Concen: 27.582 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015370.D

Acq: 02 Apr 2020 13:35

Instrument :

MSVOA_V

ClientSampled :

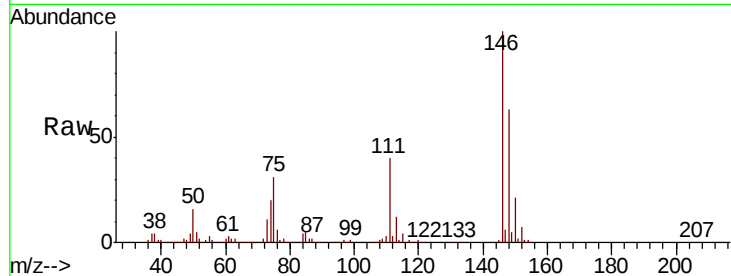
Tot Ion:146 Resp: 304738

Ion Ratio Lower Upper

146 100

111 40.0 29.3 54.5

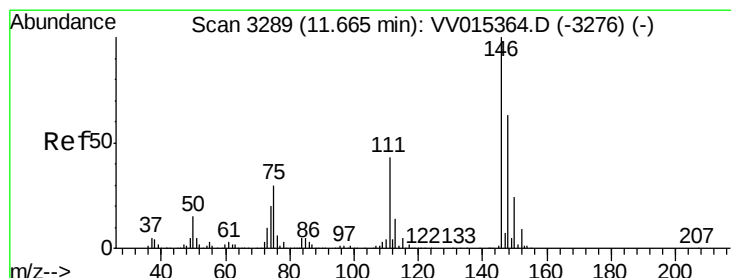
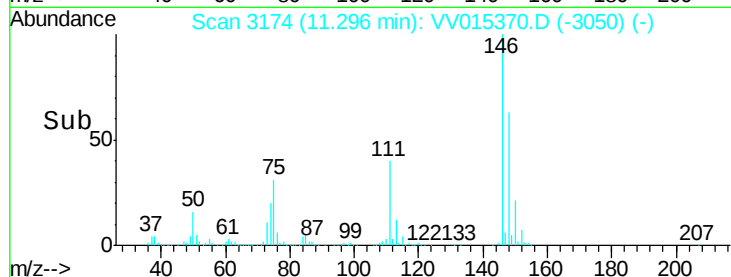
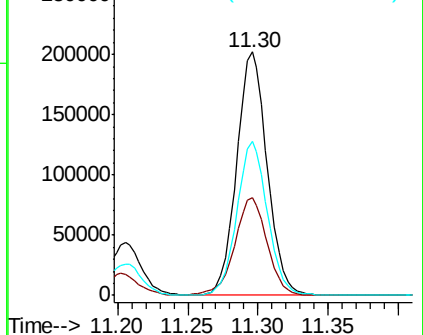
148 63.1 44.7 82.9



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: 145.678 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015370.D

Acq: 02 Apr 2020 13:35

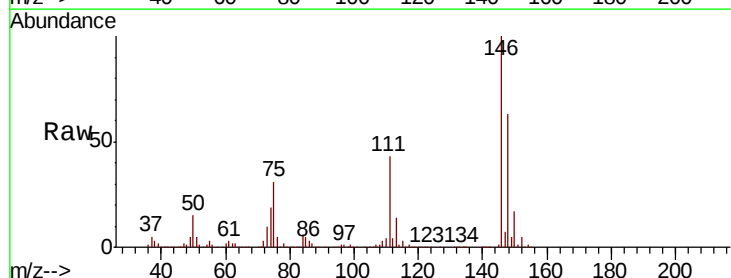
Tgt Ion:146 Resp: 1618656

Ion Ratio Lower Upper

146 100

111 42.9 35.1 52.7

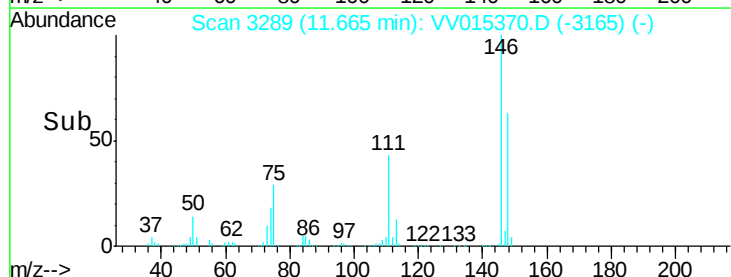
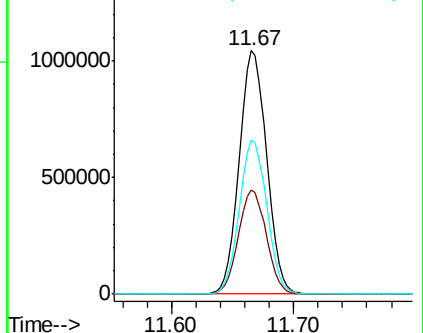
148 63.3 51.0 76.4

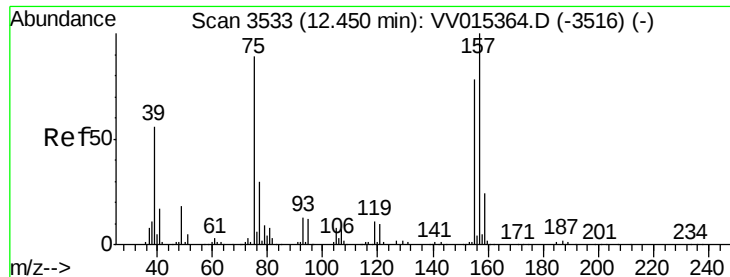


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

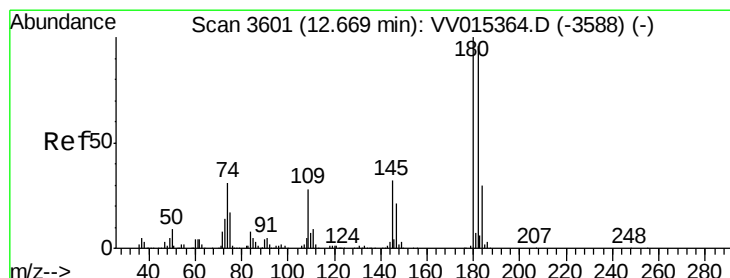
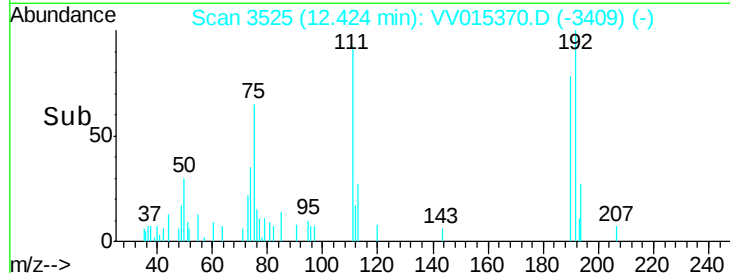
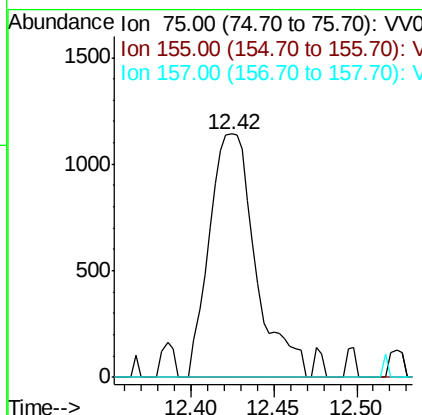
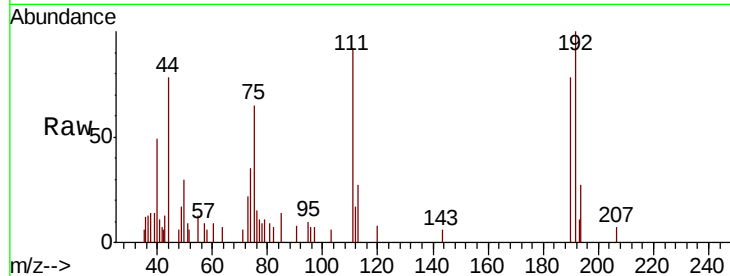




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.035 ug/L
 RT: 12.42 min Scan# 3525
 Delta R.T. -0.03 min
 Lab File: VV015370.D
 Acq: 02 Apr 2020 13:35

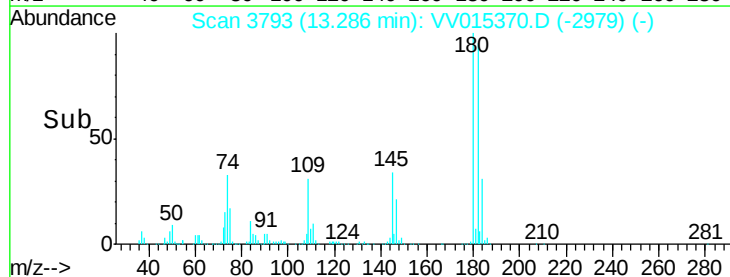
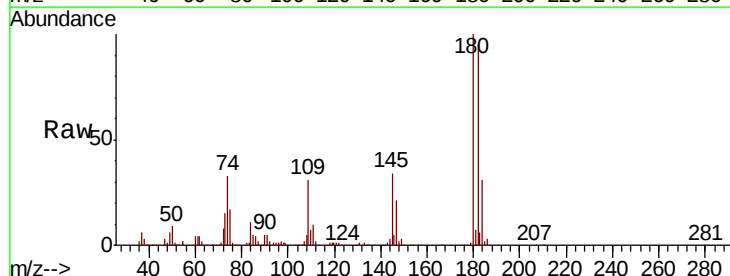
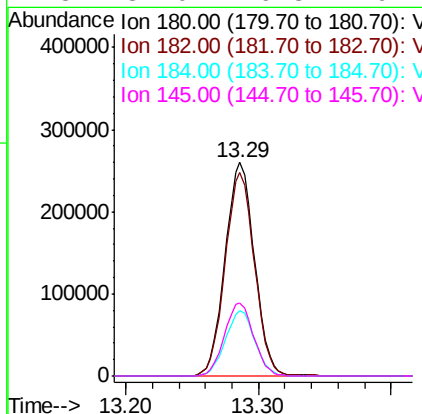
Instrument :
 MSVOA_V
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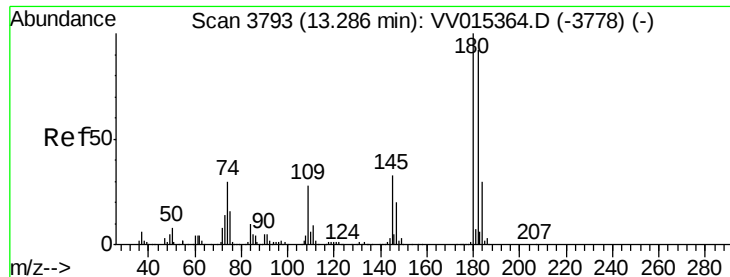
Tot Ion: 75 Resp: 2271
 Ion Ratio Lower Upper
 75 100
 155 0.0 64.5 96.7#
 157 0.0 79.8 119.6#



#67
 1,3,5-Trichlorobenzene
 Concen: 55.453 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV015370.D
 Acq: 02 Apr 2020 13:35

Tgt Ion:180 Resp: 400349
 Ion Ratio Lower Upper
 180 100
 182 94.9 74.7 112.1
 184 30.6 23.7 35.5
 145 34.0 26.8 40.2

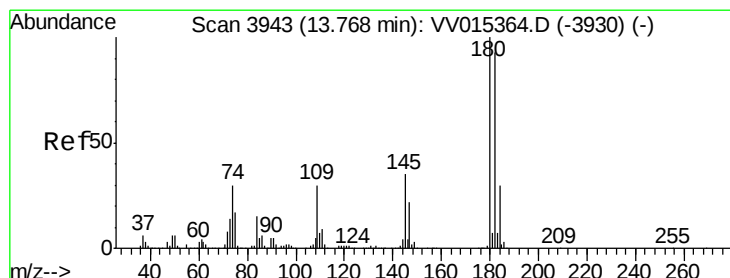
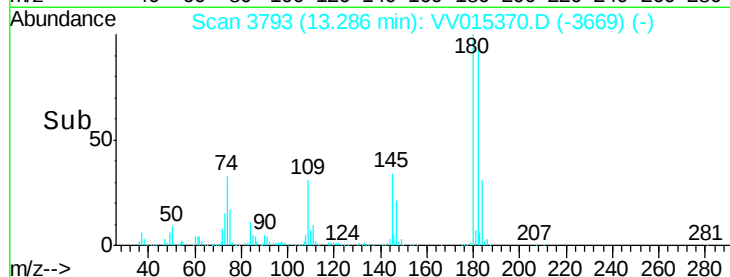
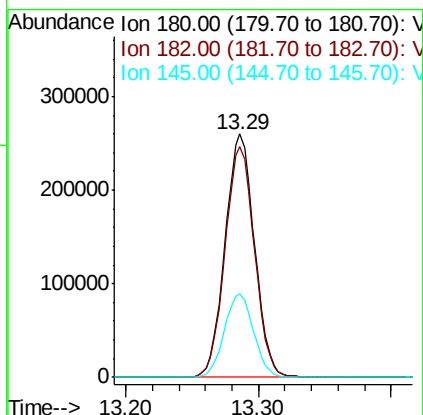
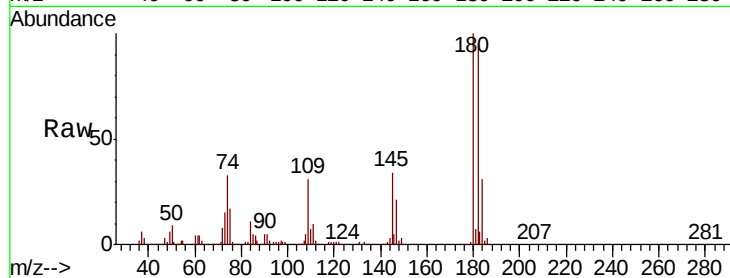




#68
 1,2,4-trichlorobenzene
 Concen: 60.708 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015370.D
 Acq: 02 Apr 2020 13:35

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 400349
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.8 113.8
 145 34.0 27.7 41.5



#70
 1,2,3-Trichlorobenzene
 Concen: 12.454 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015370.D
 Acq: 02 Apr 2020 13:35

Tgt Ion:180 Resp: 84601
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.1 114.1
 145 35.4 28.2 42.4

