

Data File : VV015152.D
Acq On : 25 Mar 2020 22:32
Operator : SY/MD
Sample : L1968-04 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DD3

Quant Time: Mar 26 02:05:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 26 02:00:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	604064	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	589473	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	265170	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	212800	42.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.26%
7) Chloroethane-d5	1.58	69	201248	43.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.98%
11) 1,1-Dichloroethene-d2	2.12	63	348115	34.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.98%
21) 2-Butanone-d5	3.94	46	303719	91.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.64%
24) Chloroform-d	4.38	84	375241	44.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.58%
26) 1,2-Dichloroethane-d4	5.06	65	253847	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.38%
32) Benzene-d6	5.08	84	760319	44.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.46%
36) 1,2-Dichloropropane-d6	6.10	67	240831	44.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.30%
41) Toluene-d8	7.34	98	727645	44.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.58%
43) trans-1,3-Dichloropropene-	7.64	79	114360	38.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.42%
47) 2-Hexanone-d5	8.12	63	243953	90.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.30%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	346541	43.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.26%
64) 1,2-Dichlorobenzene-d4	11.81	152	105	0.02	ug/L	0.16
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.04%#

Target Compounds

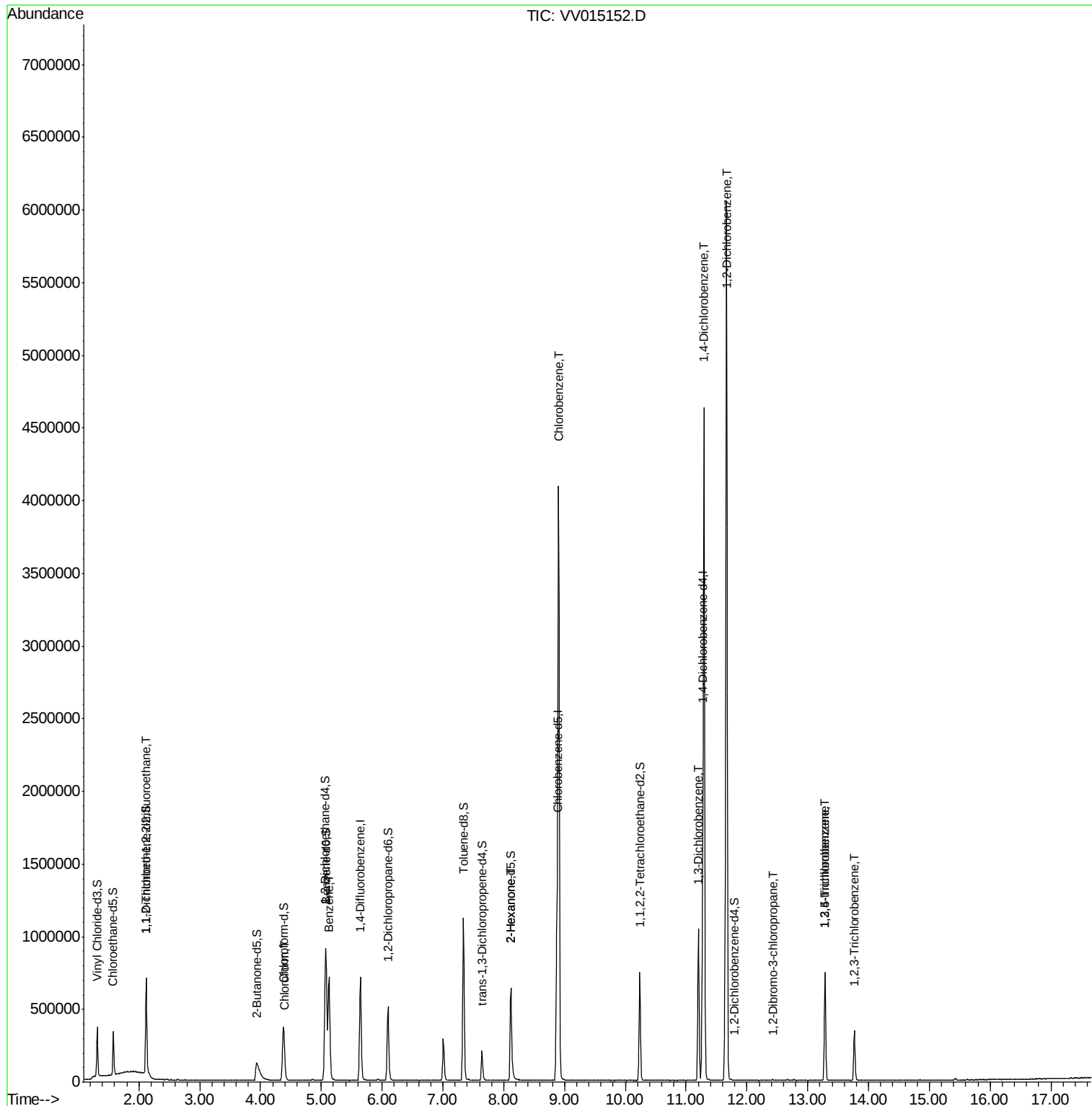
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3035	0.719	ug/L #	31
25) Chloroform	4.41	83	14840	2.164	ug/L	94
33) Benzene	5.13	78	712270	46.954	ug/L	100
48) 2-Hexanone	8.12	43	29785	6.733	ug/L #	73
51) Chlorobenzene	8.90	112	2076077	189.837	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	385489	49.635	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	1644078	207.786	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	2113977	269.784	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.42	75	1773	1.042	ug/L #	3
67) 1,3,5-Trichlorobenzene	13.29	180	197427	37.722	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	197427	40.064	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	92113	18.810	ug/L	99

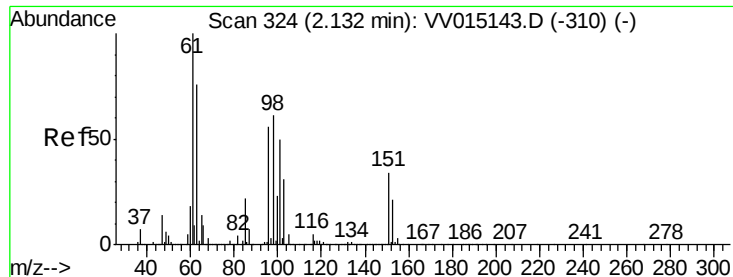
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.719 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015152.D

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Instrument :

MSVOA_V

ClientSampleId :

C0DD3

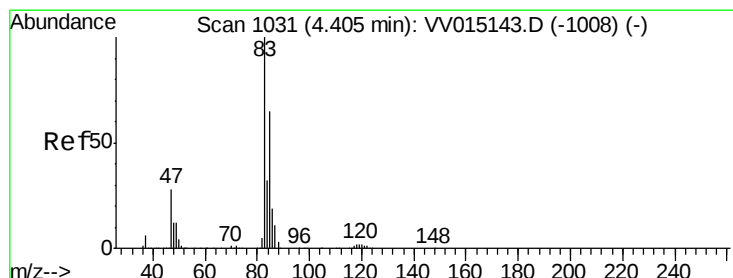
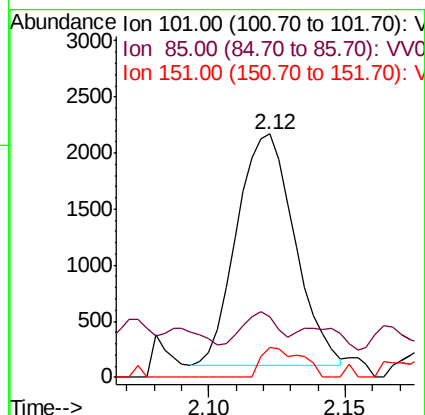
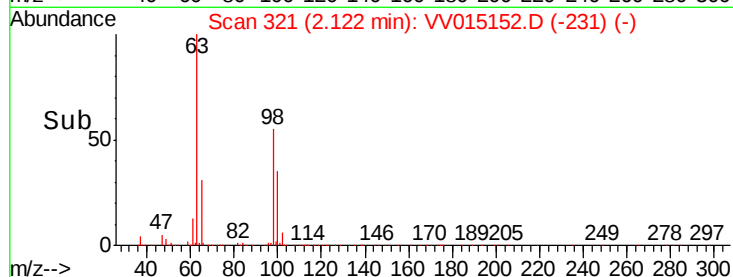
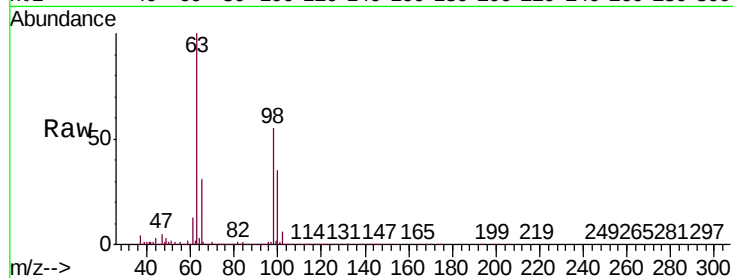
Tgt Ion:101 Resp: 3035

Ion Ratio Lower Upper

101 100

85 9.0 36.0 54.0#

151 5.7 56.2 84.2#



#25

Chloroform

Concen: 2.164 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VV015152.D

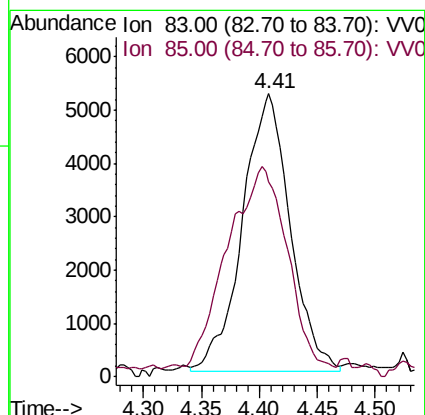
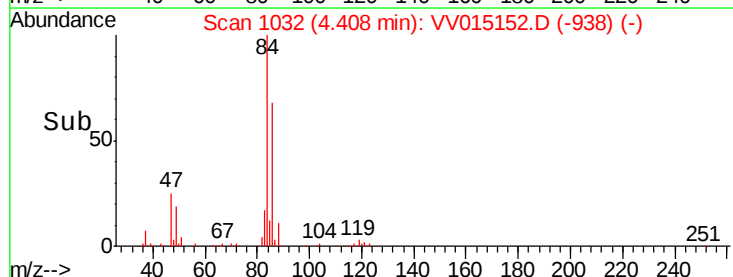
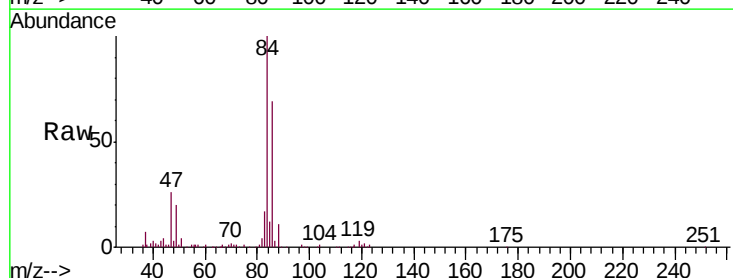
Acq: 25 Mar 2020 22:32

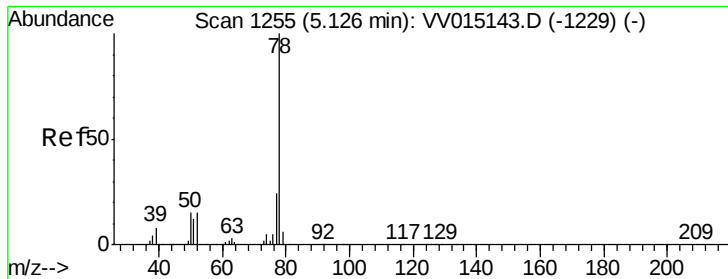
Tgt Ion: 83 Resp: 14840

Ion Ratio Lower Upper

83 100

85 69.1 44.8 83.2

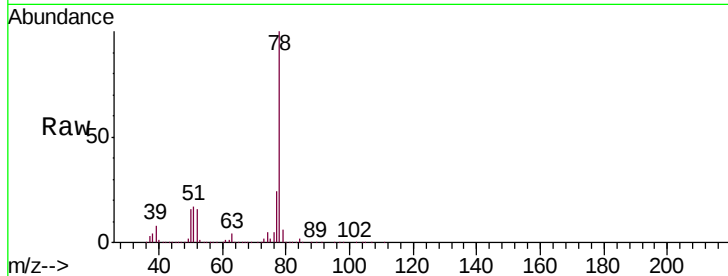




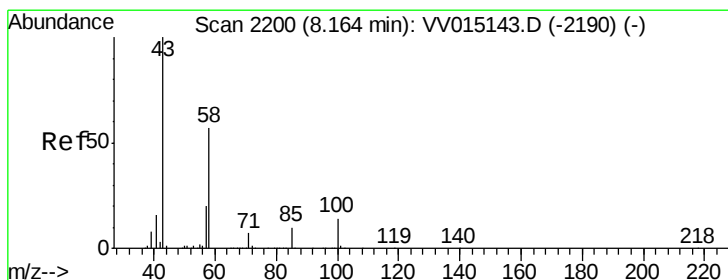
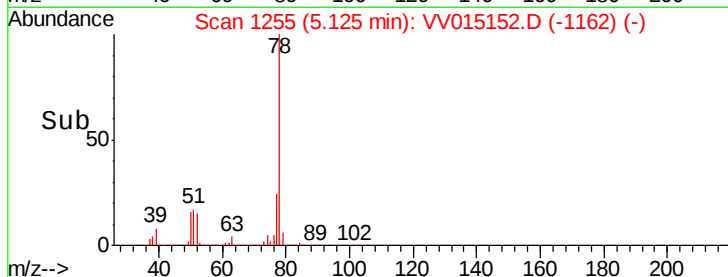
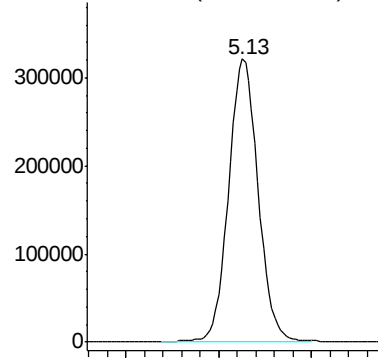
#33
Benzene
Concen: 46.954 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV015152.D
Acq: 25 Mar 2020 22:32

Instrument :
MSVOA_V
ClientSampleId :
C0DD3

Tgt Ion: 78 Resp: 712270

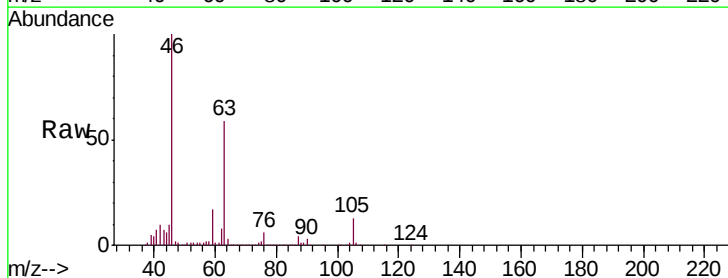


Abundance Ion 78.00 (77.70 to 78.70): VV0



#48
2-Hexanone
Concen: 6.733 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015152.D
Acq: 25 Mar 2020 22:32

Tgt Ion: 43 Resp: 29785
Ion Ratio Lower Upper
43 100
58 35.4 47.0 70.6#
57 25.0 16.5 24.7#
100 0.2 10.9 16.3#

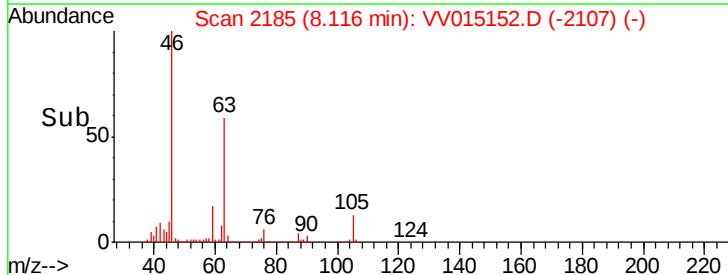
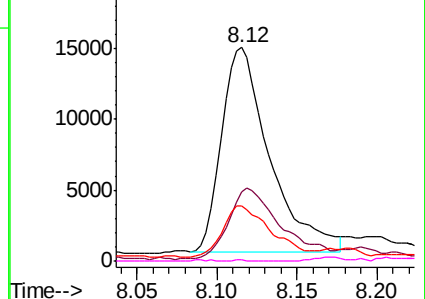


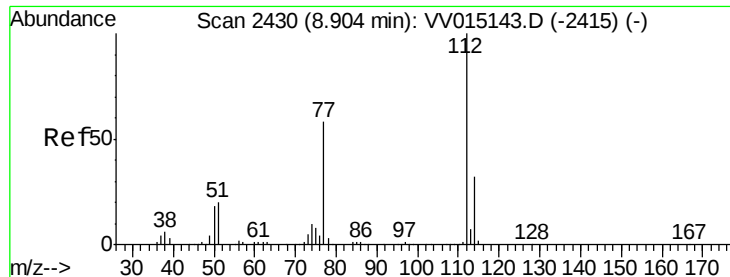
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 189.837 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV015152.D

Acq: 25 Mar 2020 22:32

Instrument :

MSVOA_V

ClientSampleId :

C0DD3

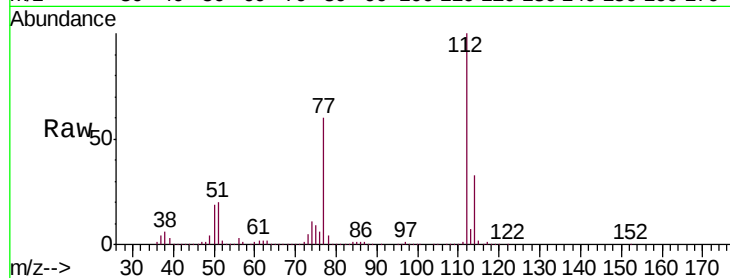
Tgt Ion:112 Resp: 2076077

Ion Ratio Lower Upper

112 100

114 32.6 22.0 40.8

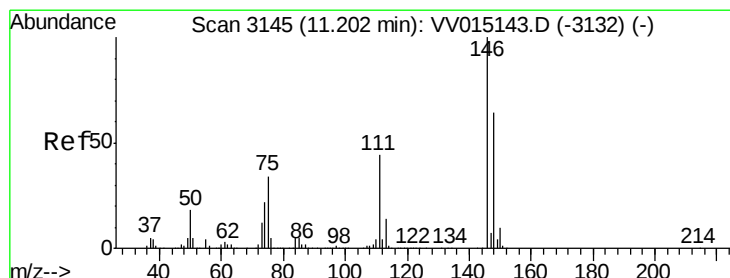
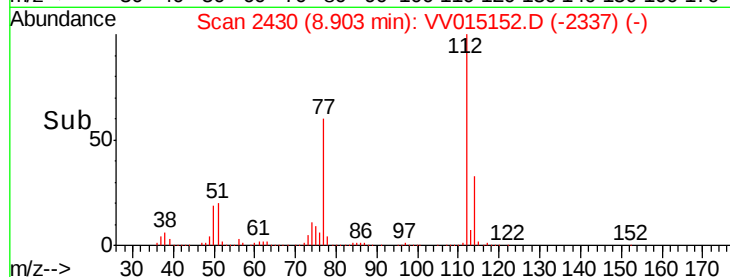
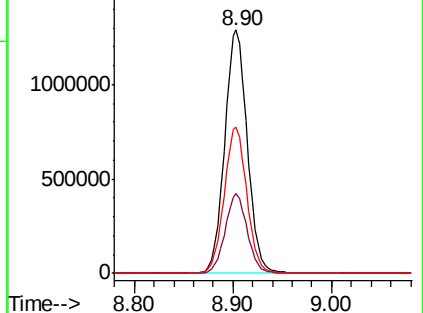
77 60.3 47.2 70.8



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: 49.635 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015152.D

Acq: 25 Mar 2020 22:32

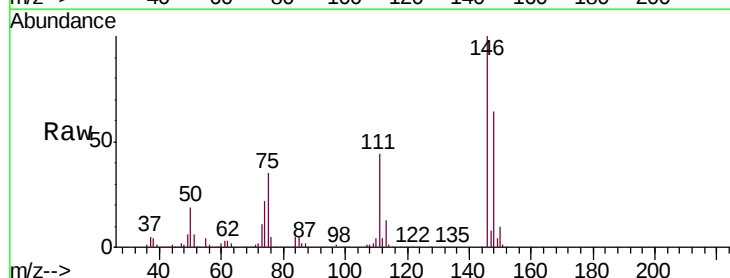
Tgt Ion:146 Resp: 385489

Ion Ratio Lower Upper

146 100

111 43.7 29.3 54.5

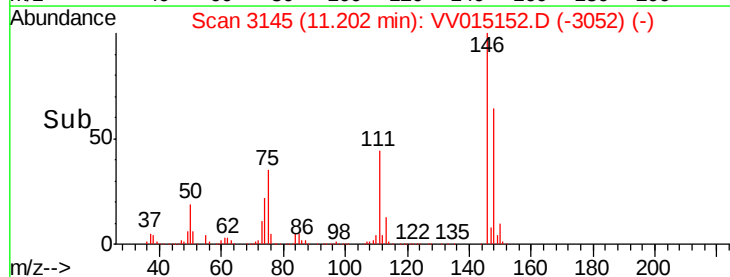
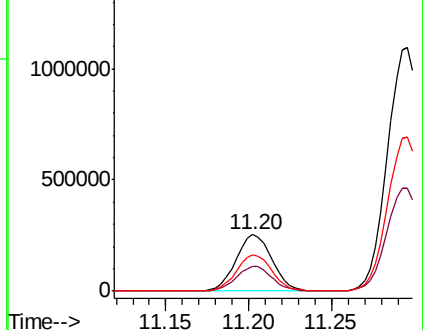
148 64.3 44.7 82.9

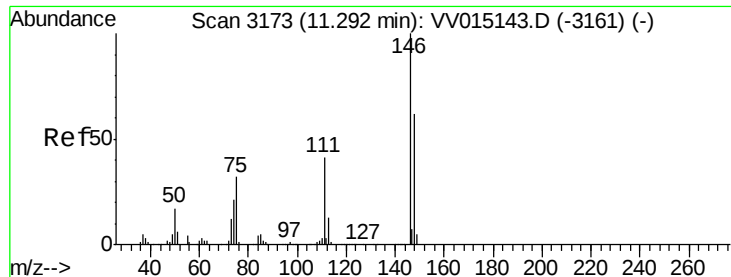


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

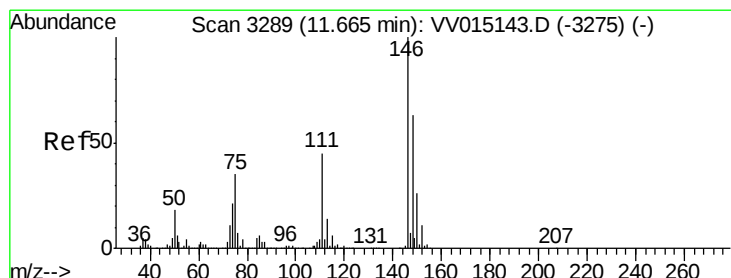
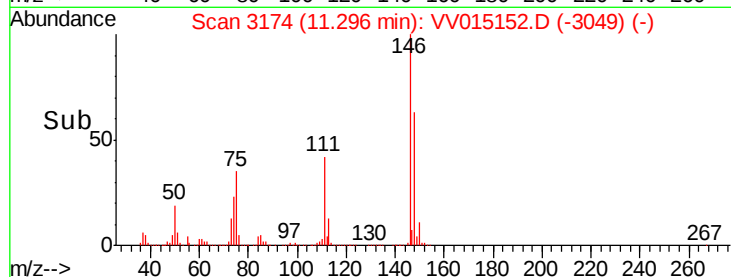
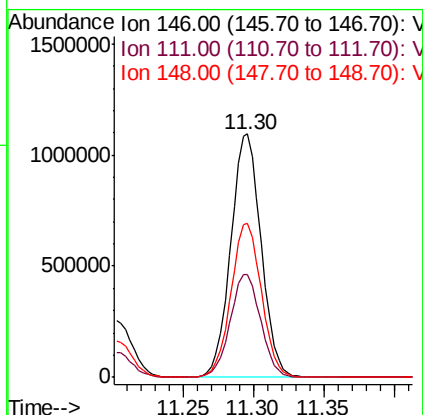
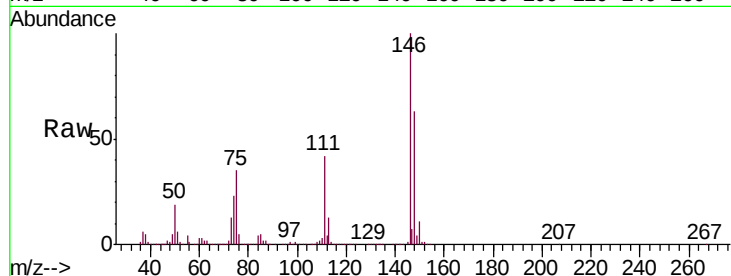




#63
 1,4-Dichlorobenzene
 Concen: 207.786 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015152.D
 Acq: 25 Mar 2020 22:32

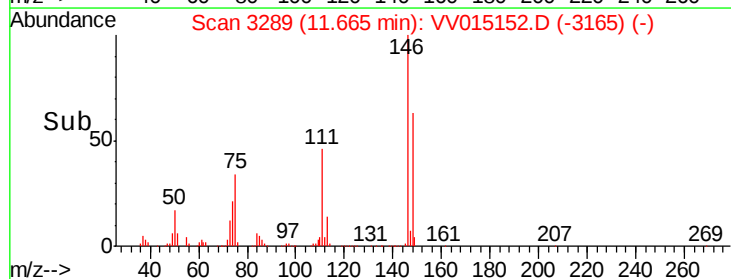
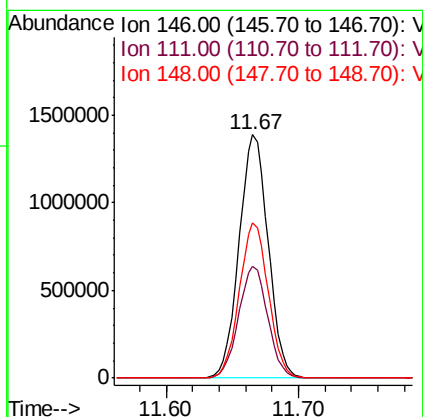
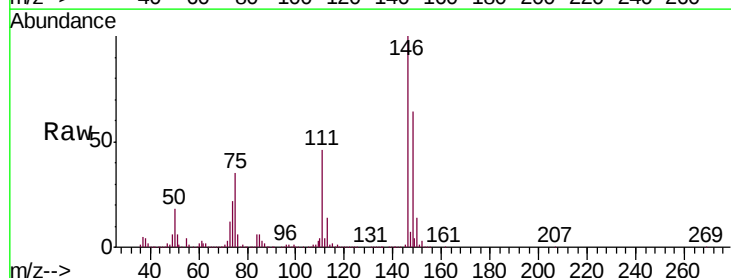
Instrument :
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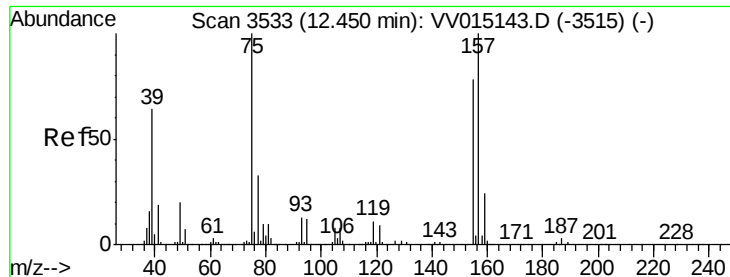
Tgt Ion:146 Resp: 1644078
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.4 52.8
 148 63.4 44.0 81.8



#65
 1,2-Dichlorobenzene
 Concen: 269.784 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015152.D
 Acq: 25 Mar 2020 22:32

Tgt Ion:146 Resp: 2113977
 Ion Ratio Lower Upper
 146 100
 111 46.1 35.4 53.2
 148 63.6 49.7 74.5

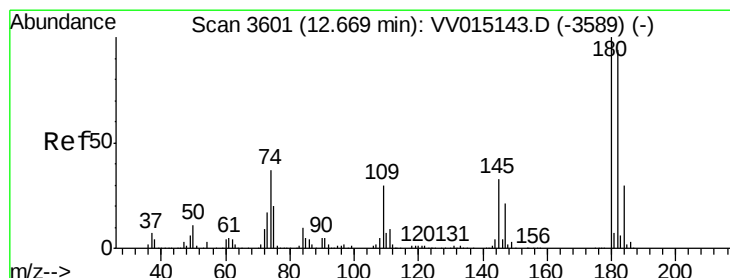
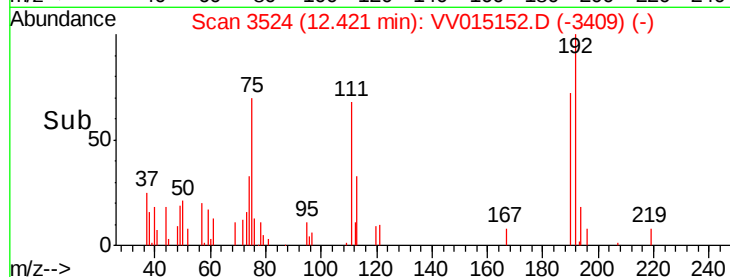
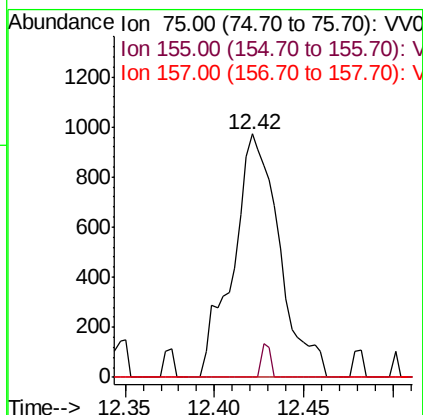
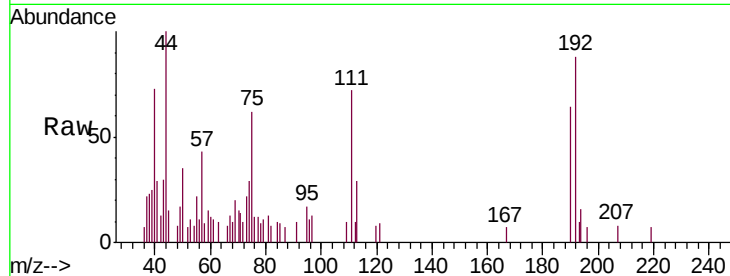




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.042 ug/L
 RT: 12.42 min Scan# 3524
 Delta R.T. -0.03 min
 Lab File: VV015152.D
 Acq: 25 Mar 2020 22:32

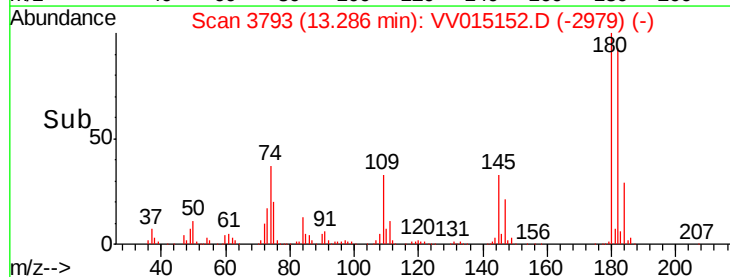
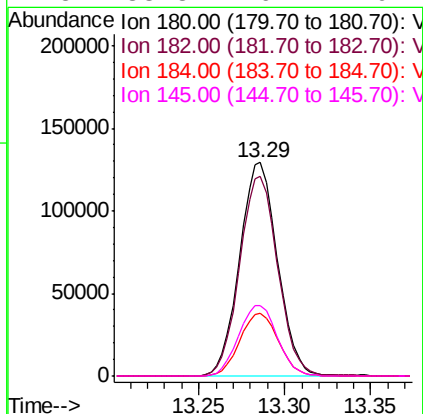
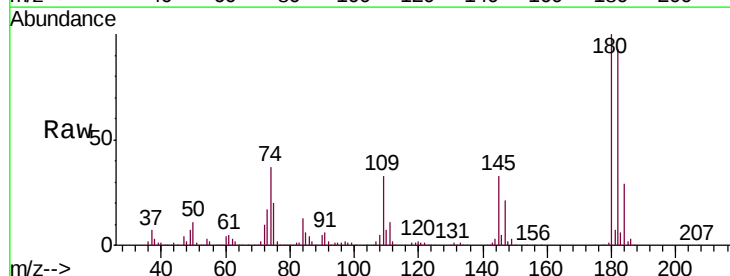
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 ClientSampleId :
 C0DD3

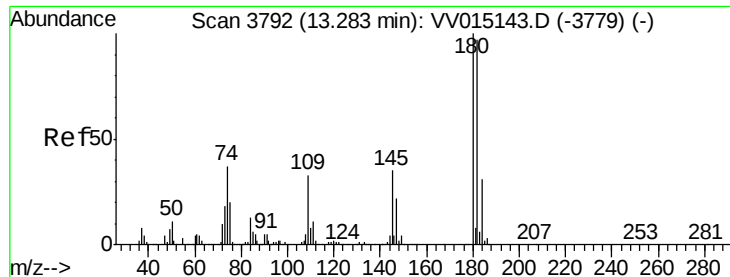
Tgt Ion: 75 Resp: 1773
 Ion Ratio Lower Upper
 75 100
 155 0.0 66.2 99.4#
 157 0.0 81.1 121.7#



#67
 1,3,5-Trichlorobenzene
 Concen: 37.722 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV015152.D
 Acq: 25 Mar 2020 22:32

Tgt Ion: 180 Resp: 197427
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.1 114.1
 184 29.8 24.4 36.6
 145 33.8 26.7 40.1

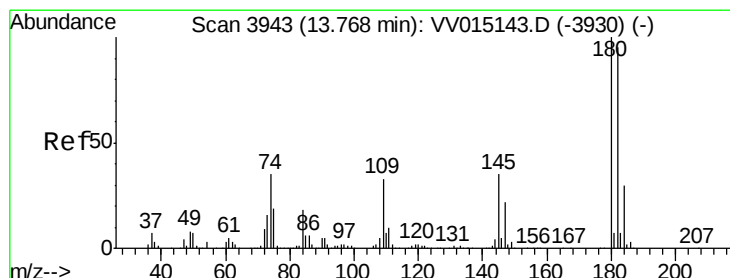
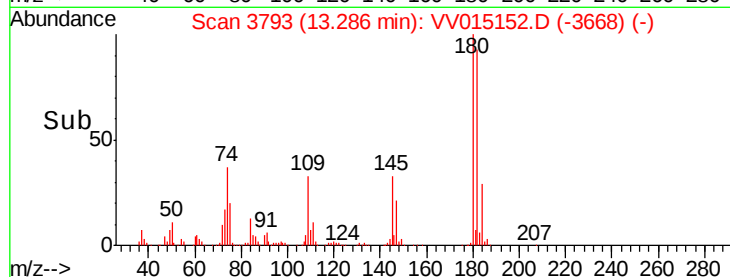
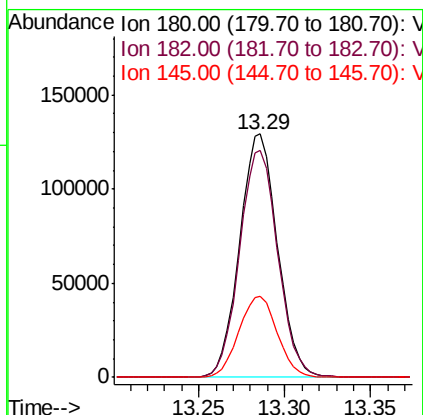
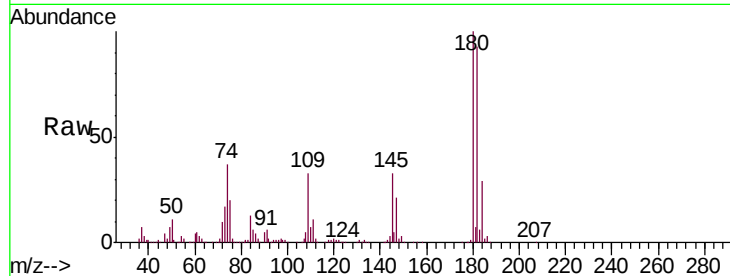




#68
 1,2,4-trichlorobenzene
 Concen: 40.064 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015152.D
 Acq: 25 Mar 2020 22:32

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD3

Tgt Ion:180 Resp: 197427
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.1 114.1
 145 33.8 26.6 40.0



#70
 1,2,3-Trichlorobenzene
 Concen: 18.810 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV015152.D
 Acq: 25 Mar 2020 22:32

Tgt Ion:180 Resp: 92113
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.3 114.5
 145 36.2 29.6 44.4

