

Data File : VV015157.D
Acq On : 26 Mar 2020 00:34
Operator : SY/MD
Sample : L1968-13 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CODE5

Quant Time: Mar 26 02:08:09 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	595902	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	579084	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	265591	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	211293	42.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.82%
7) Chloroethane-d5	1.58	69	204337	45.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.54%
11) 1,1-Dichloroethene-d2	2.12	63	348424	35.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.00%
21) 2-Butanone-d5	3.94	46	296678	90.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.74%
24) Chloroform-d	4.38	84	373871	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.46%
26) 1,2-Dichloroethane-d4	5.06	65	252130	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.02%
32) Benzene-d6	5.08	84	761987	45.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.28%
36) 1,2-Dichloropropane-d6	6.10	67	243042	45.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.74%
41) Toluene-d8	7.34	98	726296	45.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.02%
43) trans-1,3-Dichloropropene-	7.64	79	114761	39.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.08%
47) 2-Hexanone-d5	8.12	63	238864	90.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.00%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	351548	45.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.12%
64) 1,2-Dichlorobenzene-d4	11.60	152	63	0.01	ug/L	-0.05
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.02%#

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3638	0.874	ug/L #	25
12) 1,1-Dichloroethene	2.12	96	2898	0.723	ug/L #	1
25) Chloroform	4.41	83	52266	7.727	ug/L	97
27) 1,2-Dichloroethane	5.12	62	15091	2.880	ug/L #	81
31) Carbon tetrachloride	4.85	117	8776	1.618	ug/L	97
33) Benzene	5.13	78	1980309	132.888	ug/L	100
48) 2-Hexanone	8.12	43	27453	6.317	ug/L #	83
51) Chlorobenzene	8.90	112	6824372	635.219	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	205250	26.386	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	1627028	205.305	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	2459714	313.409	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.43	75	2278	1.337	ug/L #	3
67) 1,3,5-Trichlorobenzene	13.29	180	365437	69.713	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	365437	74.041	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	103362	21.074	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032520\
Quantitation Report (Not Reviewed)

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Instrument :
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ClientSampleId :
C0DE5

Quant Time: Mar 26 02:08:09 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

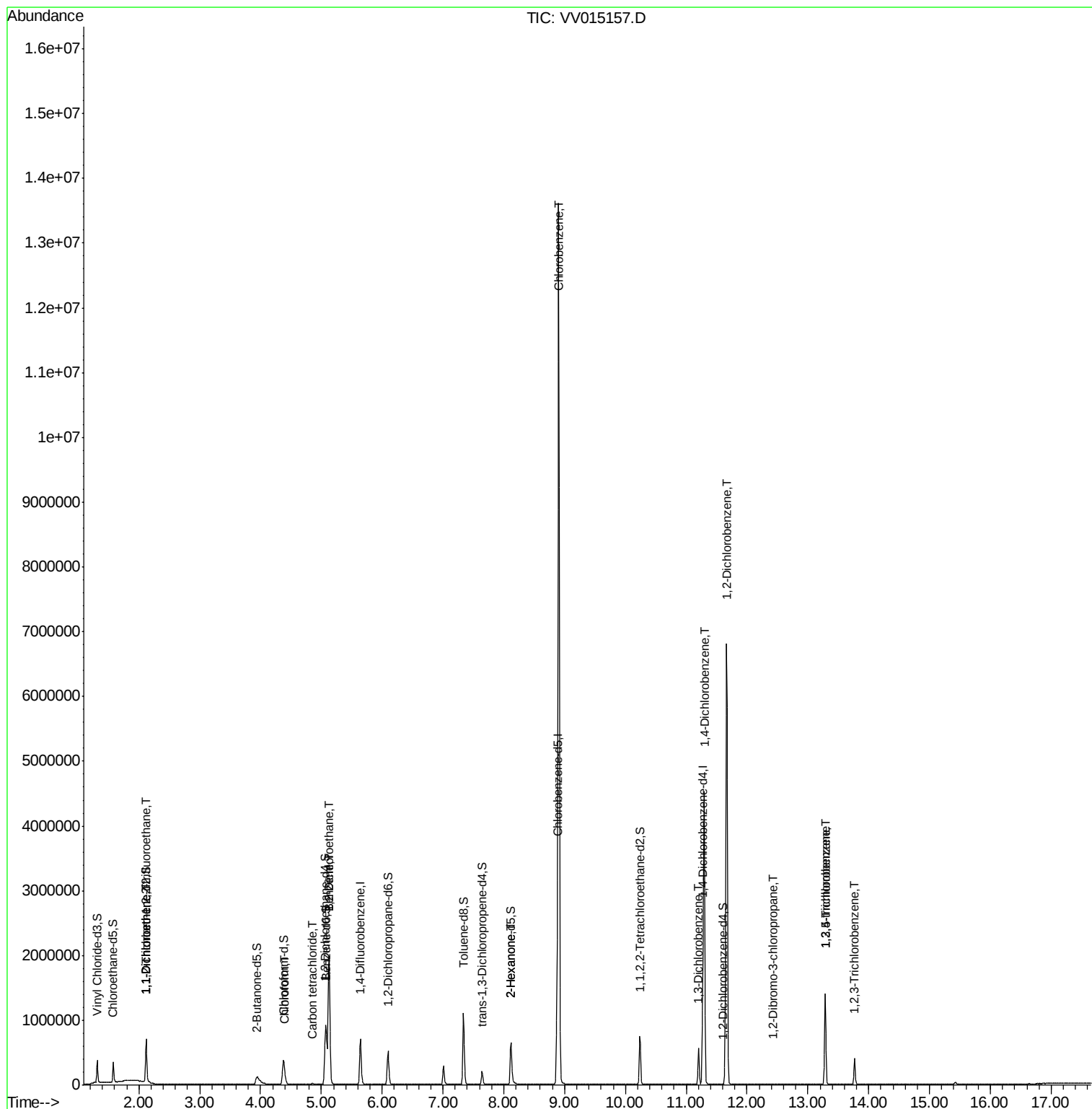
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

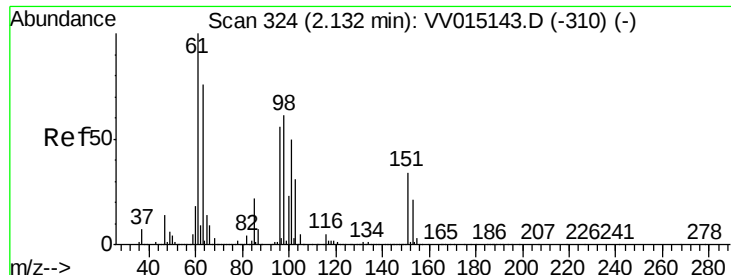
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
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Response via : Initial Calibration





#10

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

Concen: 0.874 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015157.D

Acq: 26 Mar 2020 00:34

Instrument :

MSVOA_V

ClientSampled :

C0DE5

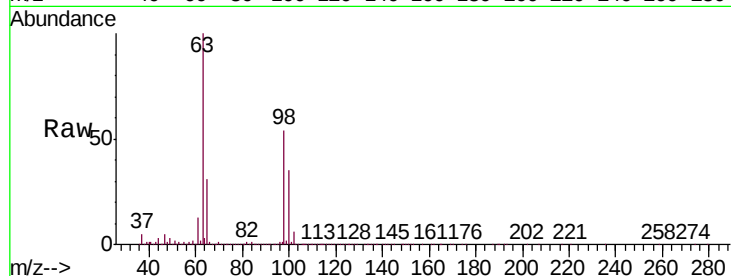
Tgt Ion: 101 Resp: 3638

Ion Ratio Lower Upper

101 100

85 3.1 36.0 54.0#

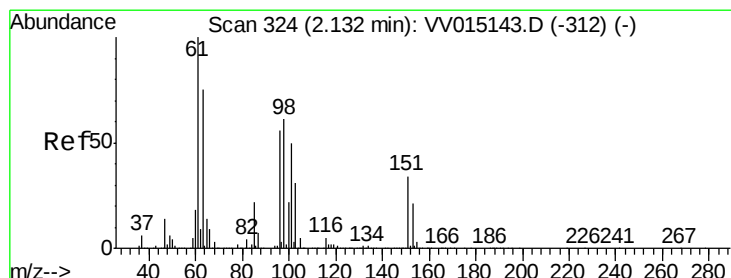
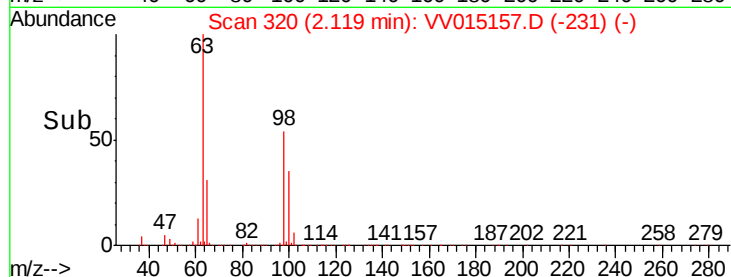
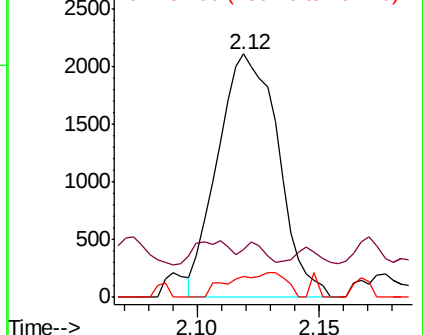
151 2.7 56.2 84.2#



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: 0.723 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015157.D

Acq: 26 Mar 2020 00:34

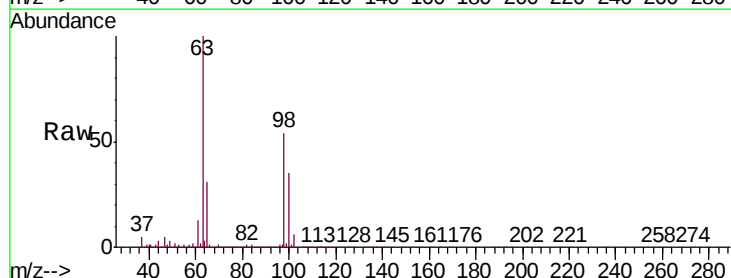
Tgt Ion: 96 Resp: 2898

Ion Ratio Lower Upper

96 100

61 1618.0 128.6 238.8#

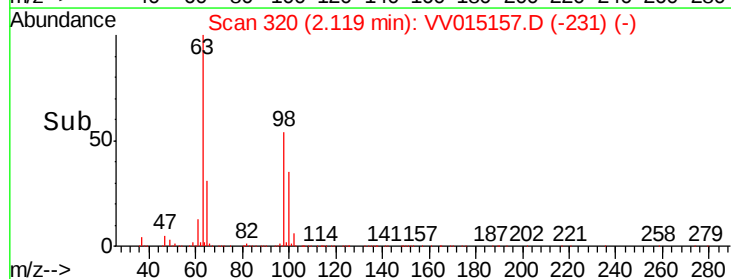
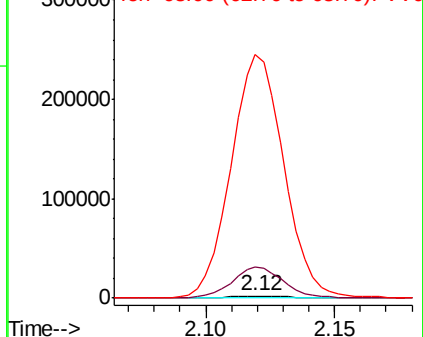
63 12790.0 97.5 181.1#

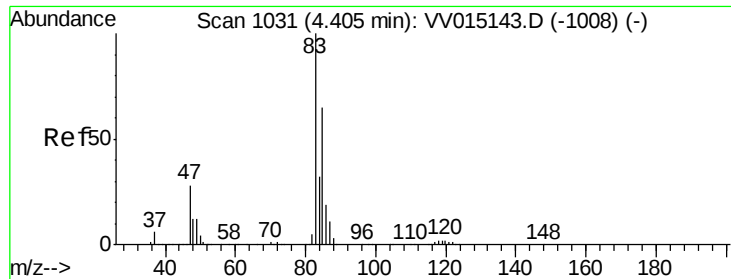


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#25

Chloroform

Concen: 7.727 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VV015157.D

Acq: 26 Mar 2020 00:34

Instrument :

MSVOA_V

ClientSampleId :

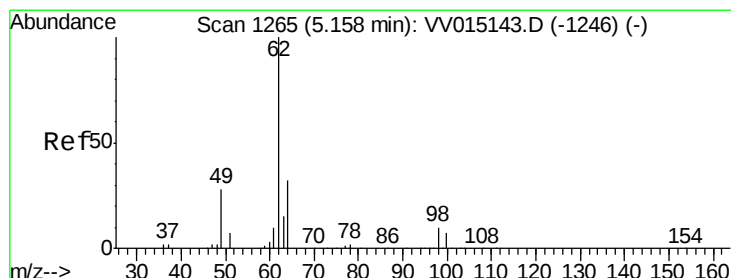
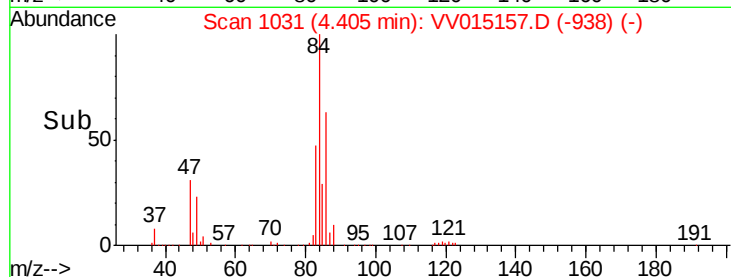
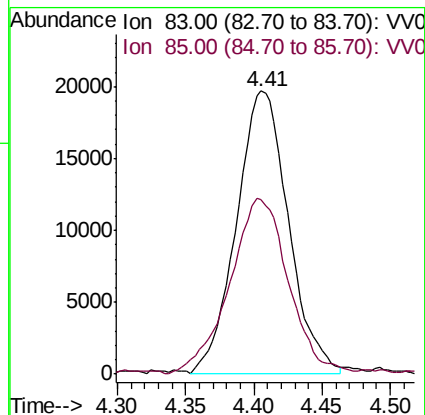
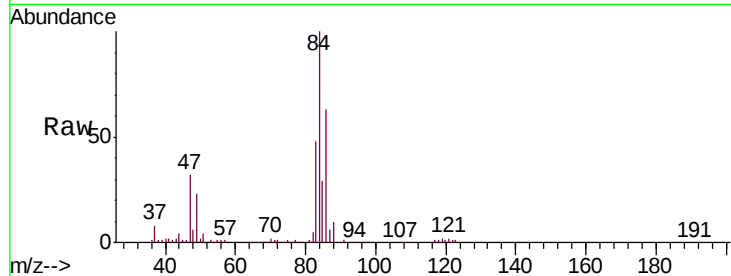
CODE5

Tgt Ion: 83 Resp: 52266

Ion Ratio Lower Upper

83 100

85 61.7 44.8 83.2



#27

1,2-Dichloroethane

Concen: 2.880 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.04 min

Lab File: VV015157.D

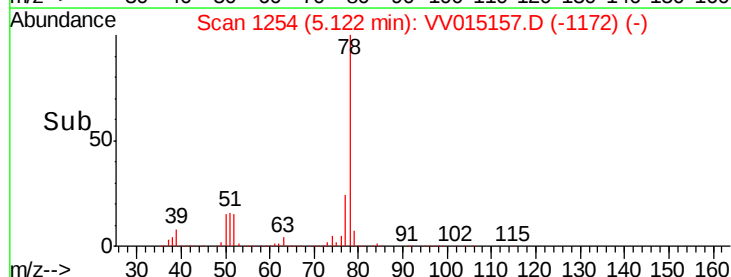
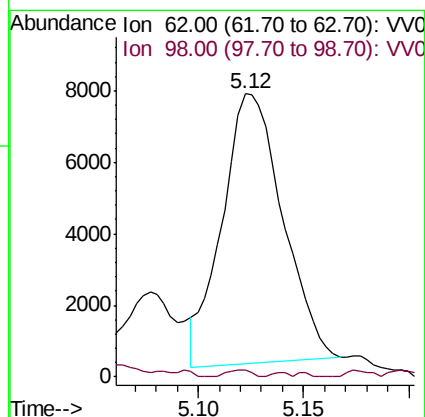
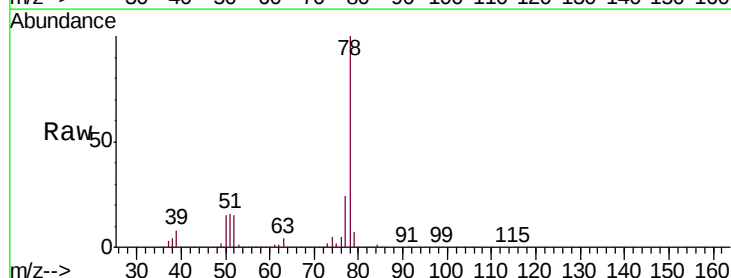
Acq: 26 Mar 2020 00:34

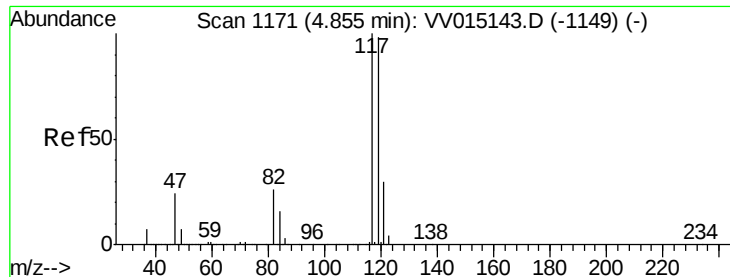
Tgt Ion: 62 Resp: 15091

Ion Ratio Lower Upper

62 100

98 2.5 7.5 11.3#





#31

Carbon tetrachloride

Concen: 1.618 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015157.D

Acq: 26 Mar 2020 00:34

Instrument :

MSVOA_V

ClientSampleId :

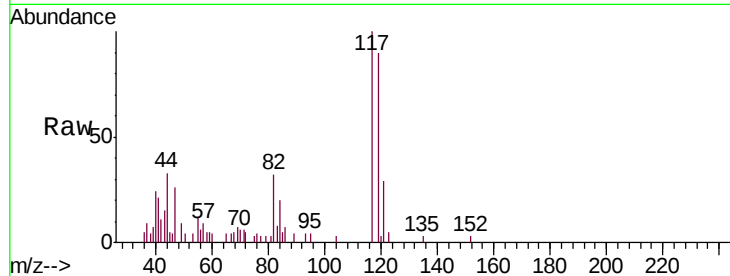
C0DE5

Tgt Ion:117 Resp: 8776

Ion Ratio Lower Upper

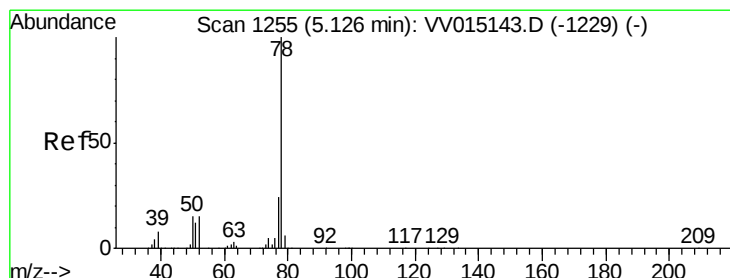
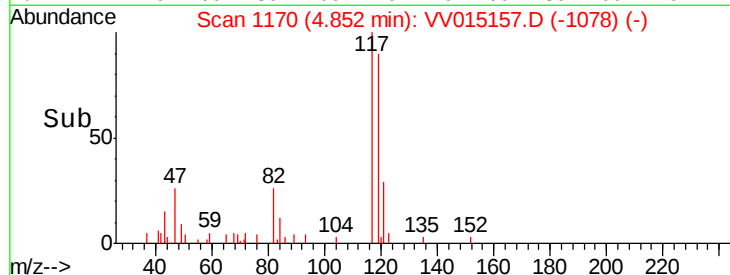
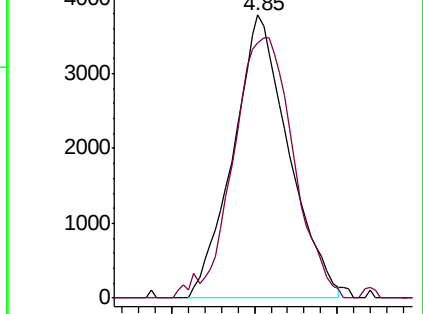
117 100

119 98.1 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 132.888 ug/L

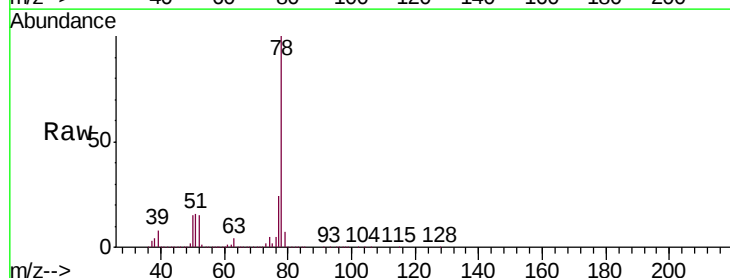
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

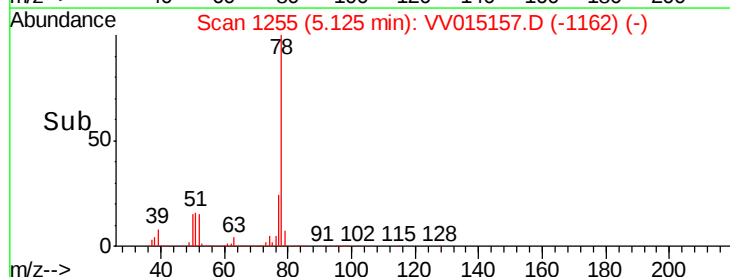
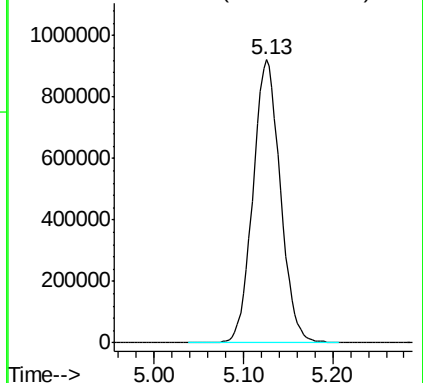
Lab File: VV015157.D

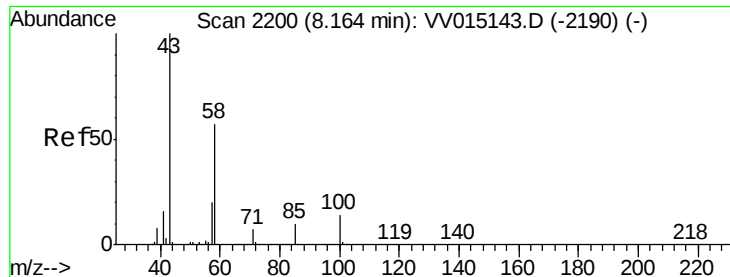
Acq: 26 Mar 2020 00:34

Tgt Ion: 78 Resp: 1980309



Abundance Ion 78.00 (77.70 to 78.70): VV0

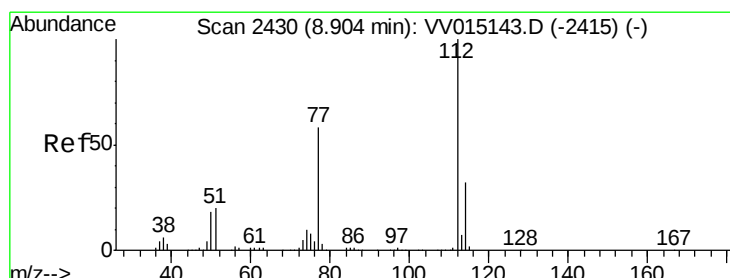
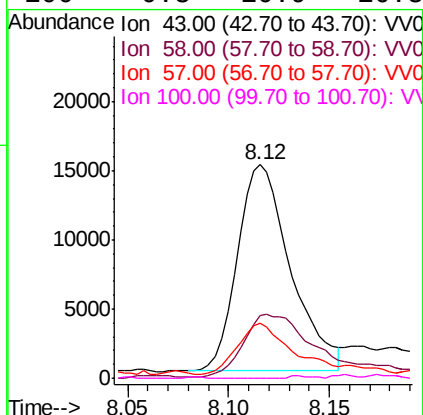
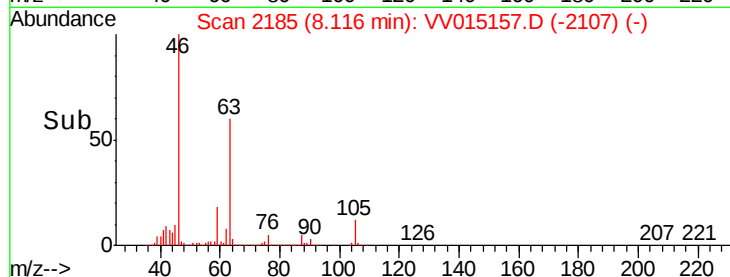
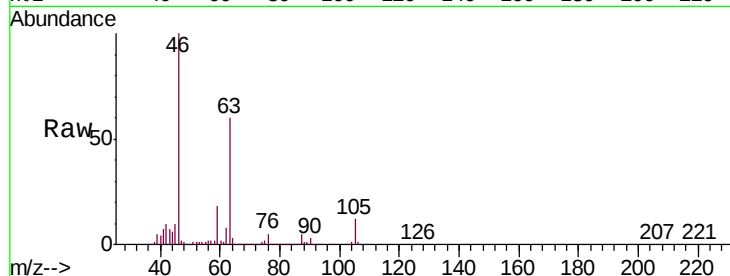




#48
2-Hexanone
Concen: 6.317 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015157.D
Acq: 26 Mar 2020 00:34

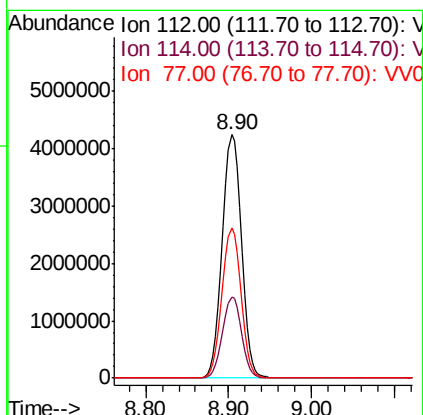
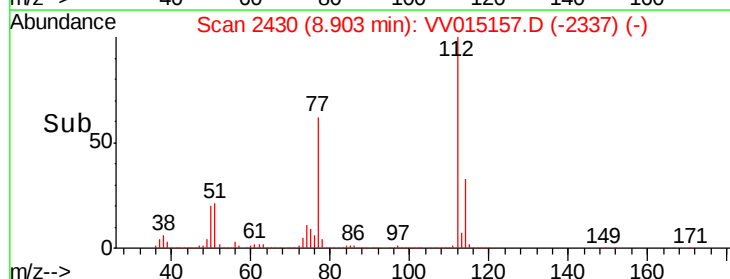
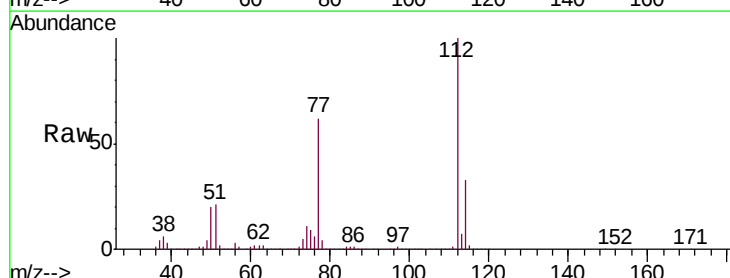
Instrument :
MSVOA_V
ClientSampleId :
C0DE5

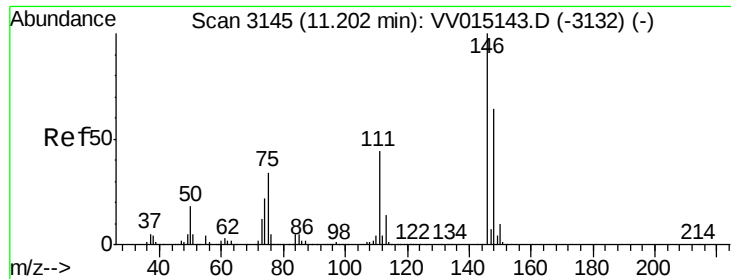
Tgt Ion: 43 Resp: 27453
Ion Ratio Lower Upper
43 100
58 45.2 47.0 70.6#
57 21.6 16.5 24.7
100 0.3 10.9 16.3#



#51
Chlorobenzene
Concen: 635.219 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015157.D
Acq: 26 Mar 2020 00:34

Tgt Ion: 112 Resp: 6824372
Ion Ratio Lower Upper
112 100
114 33.1 22.0 40.8
77 61.5 47.2 70.8





#62

1,3-Dichlorobenzene

Concen: 26.386 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015157.D

Acq: 26 Mar 2020 00:34

Instrument :

MSVOA_V

ClientSampled :

C0DE5

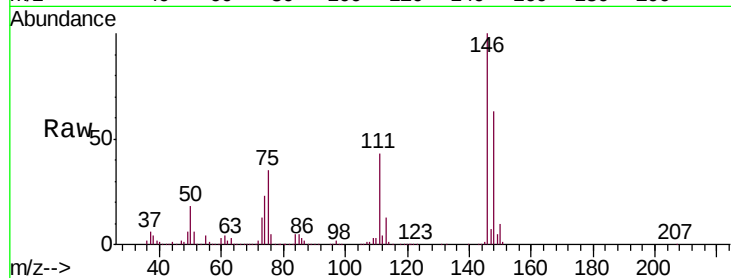
Tgt Ion:146 Resp: 205250

Ion Ratio Lower Upper

146 100

111 43.0 29.3 54.5

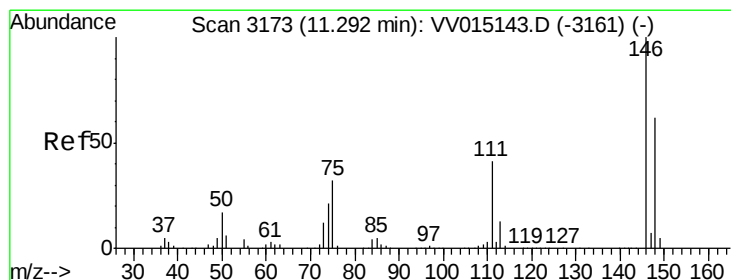
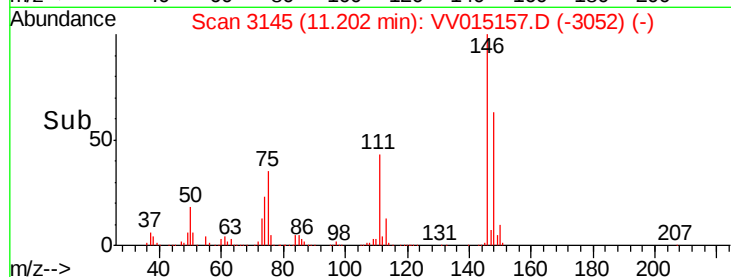
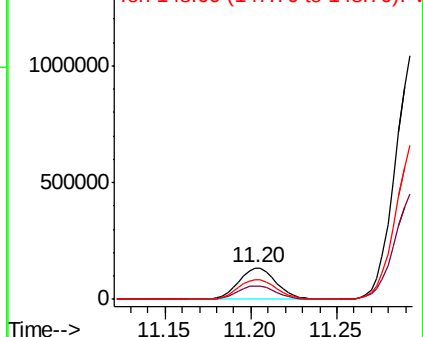
148 63.1 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 205.305 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015157.D

Acq: 26 Mar 2020 00:34

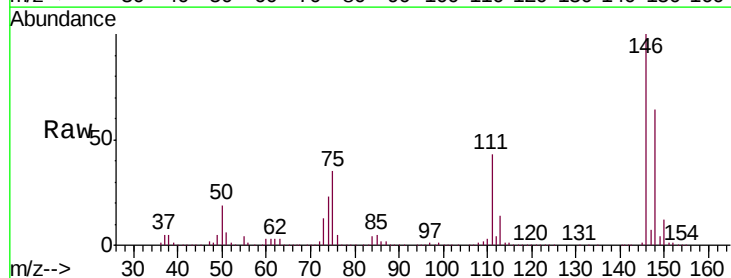
Tgt Ion:146 Resp: 1627028

Ion Ratio Lower Upper

146 100

111 42.7 28.4 52.8

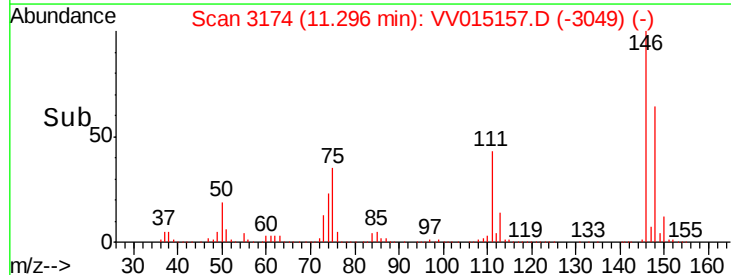
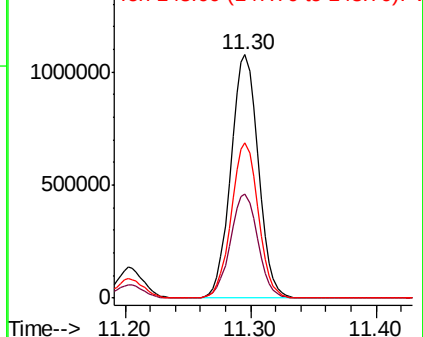
148 63.8 44.0 81.8

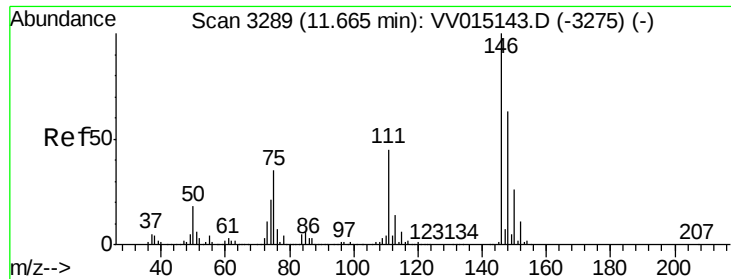


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

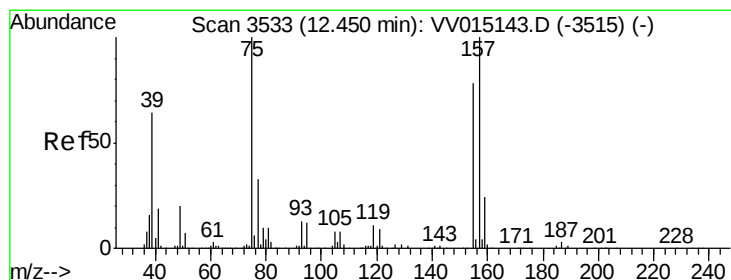
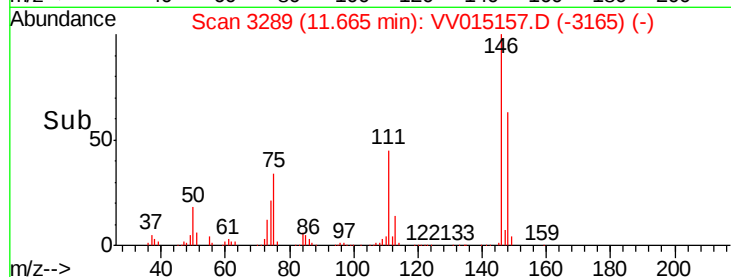
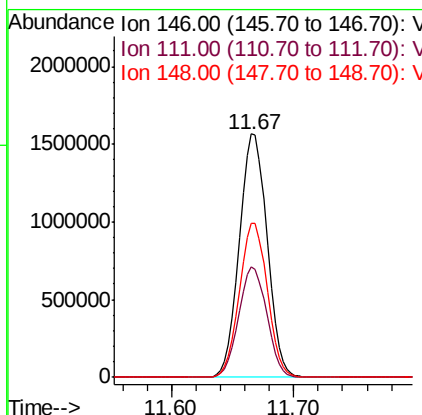
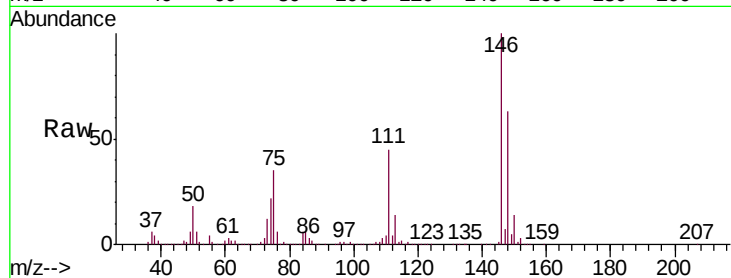




#65
 1,2-Dichlorobenzene
 Concen: 313.409 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015157.D
 Acq: 26 Mar 2020 00:34

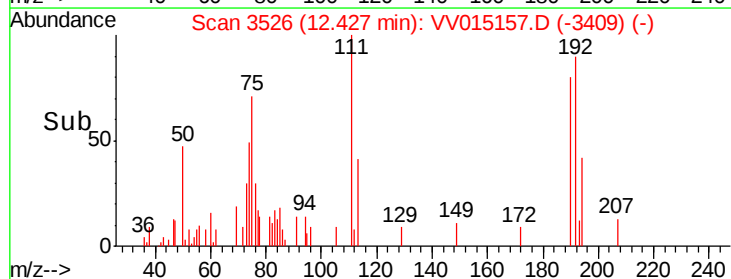
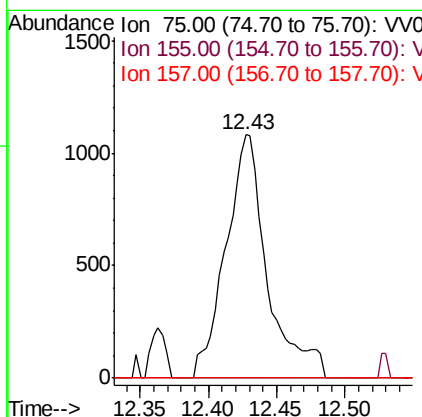
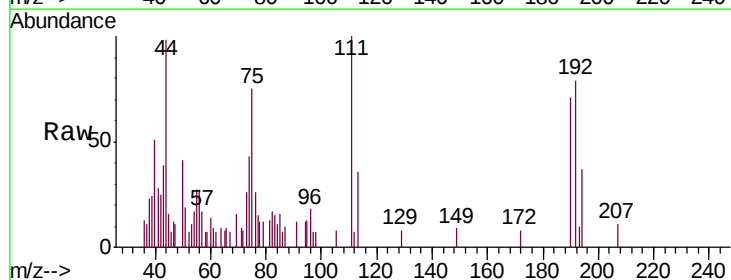
Instrument :
 MSVOA_V
 ClientSampled :
 CODE5

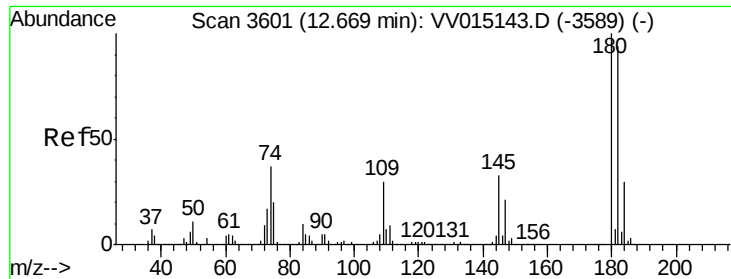
Tgt Ion:146 Resp: 2459714
 Ion Ratio Lower Upper
 146 100
 111 45.3 35.4 53.2
 148 63.3 49.7 74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.337 ug/L
 RT: 12.43 min Scan# 3526
 Delta R.T. -0.02 min
 Lab File: VV015157.D
 Acq: 26 Mar 2020 00:34

Tgt Ion: 75 Resp: 2278
 Ion Ratio Lower Upper
 75 100
 155 0.0 66.2 99.4#
 157 0.0 81.1 121.7#

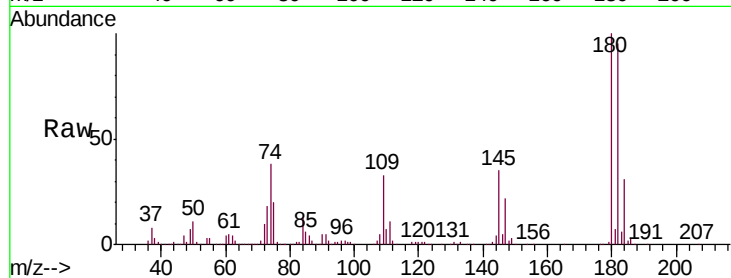




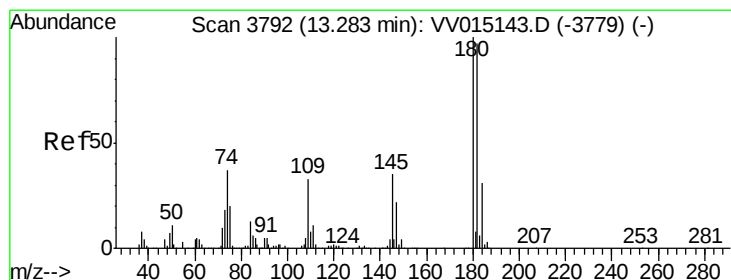
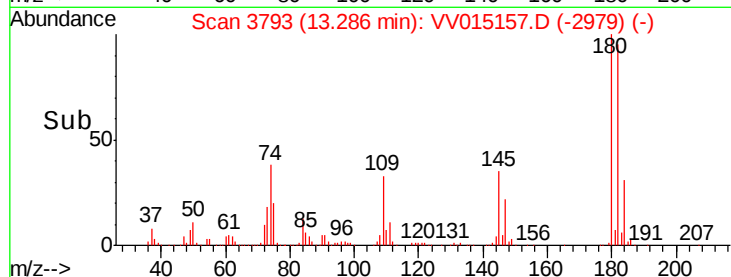
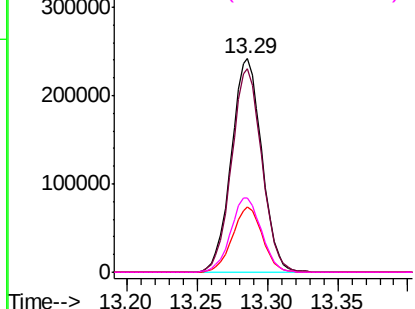
#67
 1,3,5-Trichlorobenzene
 Concen: 69.713 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV015157.D
 Acq: 26 Mar 2020 00:34

Instrument :
 MSVOA_V
 ClientSampleId :
 CODE5

Tgt Ion:	180	Resp:	365437
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.1	114.1
184	30.2	24.4	36.6
145	35.0	26.7	40.1

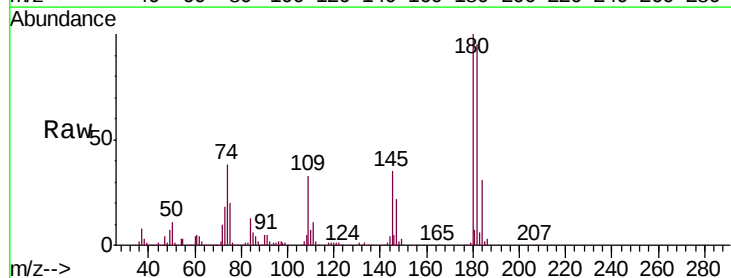


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

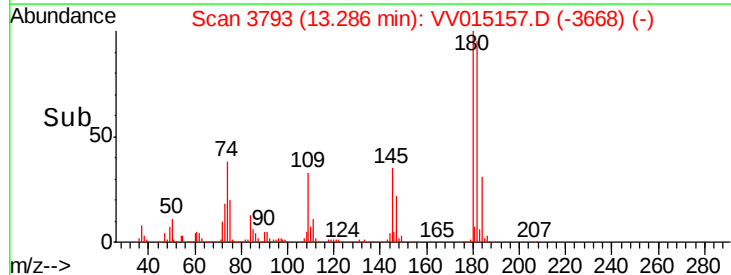
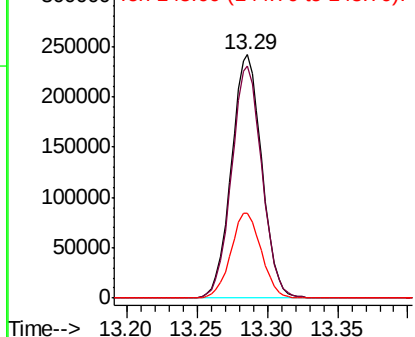


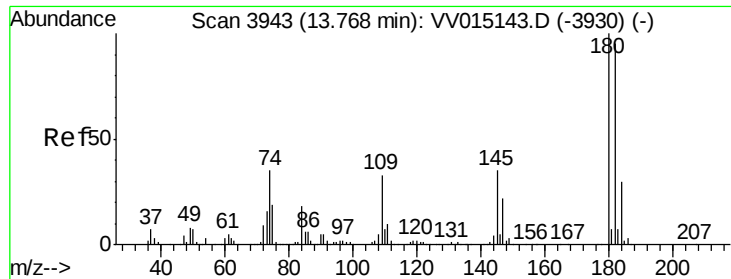
#68
 1,2,4-trichlorobenzene
 Concen: 74.041 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015157.D
 Acq: 26 Mar 2020 00:34

Tgt Ion:	180	Resp:	365437
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.1	114.1
145	35.0	26.6	40.0



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: 21.074 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV015157.D
 Acq: 26 Mar 2020 00:34

Instrument :
 MSVOA_V
 ClientSampleId :
 CODE5

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.0	76.3	114.5
145	36.9	29.6	44.4

