

Data File : VV015146.D
Acq On : 25 Mar 2020 20:07
Operator : SY/MD
Sample : L1968-11DL 50X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CODE1

Quant Time: Mar 26 02:03:26 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	604036	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	567581	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	256488	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	209778	41.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.08%
7) Chloroethane-d5	1.58	69	193918	42.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.78%
11) 1,1-Dichloroethene-d2	2.12	63	336866	33.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.72%
21) 2-Butanone-d5	3.93	46	295883	89.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.28%
24) Chloroform-d	4.38	84	367534	43.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.74%
26) 1,2-Dichloroethane-d4	5.06	65	247390	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.02%
32) Benzene-d6	5.07	84	733757	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.68%
36) 1,2-Dichloropropane-d6	6.09	67	237680	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.52%
41) Toluene-d8	7.34	98	691529	44.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.42%
43) trans-1,3-Dichloropropene-	7.64	79	116346	40.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.80%
47) 2-Hexanone-d5	8.11	63	239120	91.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.92%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	337987	44.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	246965	43.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.10%

Target Compounds

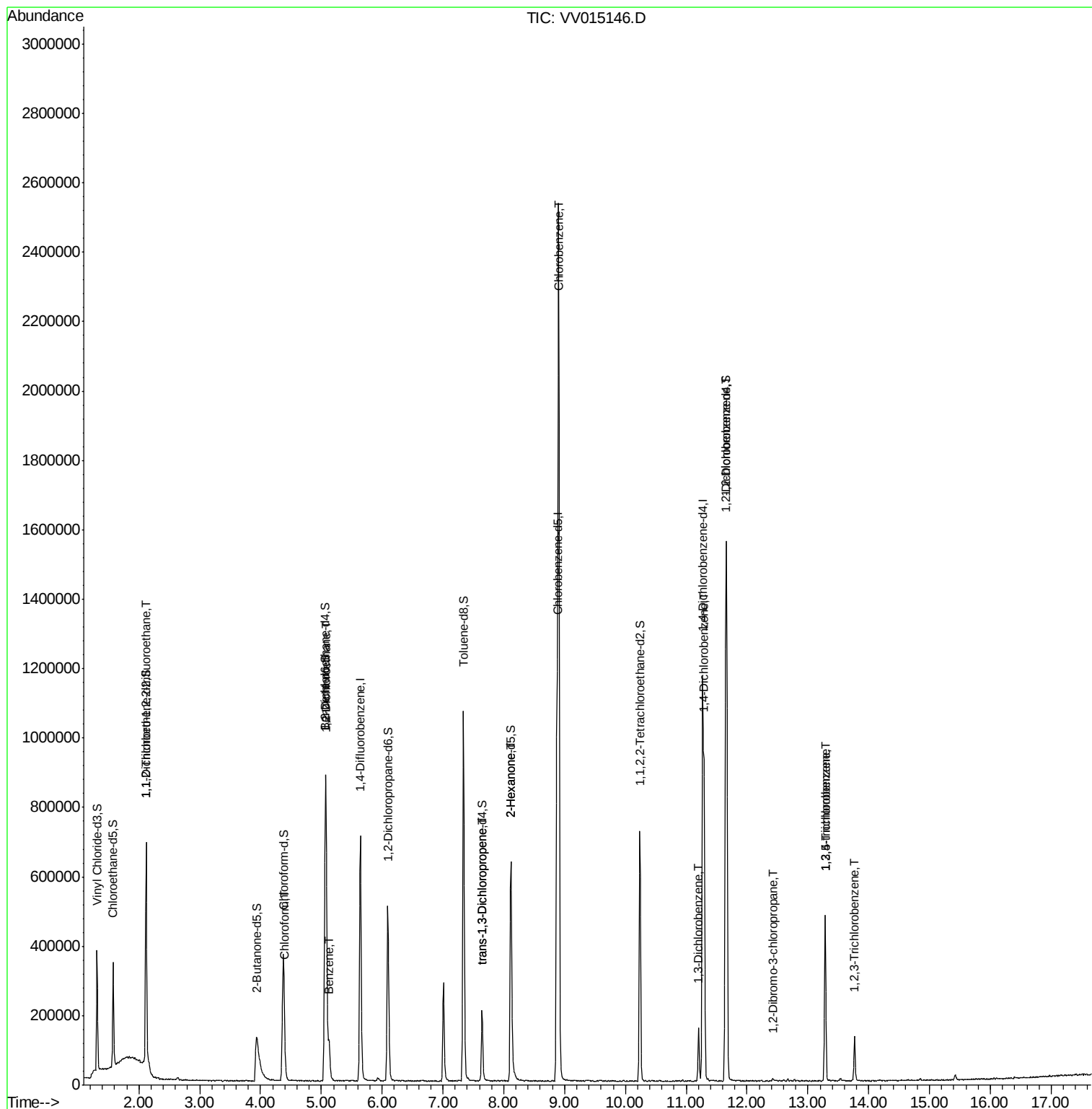
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2967	0.703	ug/L #	29
25) Chloroform	4.40	83	7169	1.046	ug/L	86
27) 1,2-Dichloroethane	5.08	62	3844	0.724	ug/L	95
33) Benzene	5.13	78	108417	7.423	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	6038	0.978	ug/L	87
48) 2-Hexanone	8.12	43	27228	6.393	ug/L #	82
51) Chlorobenzene	8.90	112	1286330	122.159	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	55413	7.376	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	303566	39.665	ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	457085	60.307	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.41	75	1712	1.040	ug/L #	3
67) 1,3,5-Trichlorobenzene	13.29	180	127680	25.221	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	127680	26.787	ug/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	32251	6.809	ug/L	99

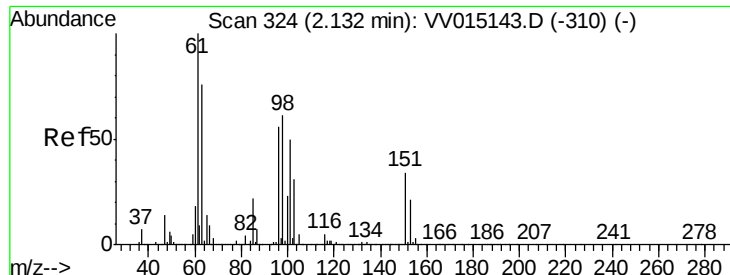
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.703 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015146.D

Acq: 25 Mar 2020 20:07

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MSVOA_V

ClientSampleId :

CODE1

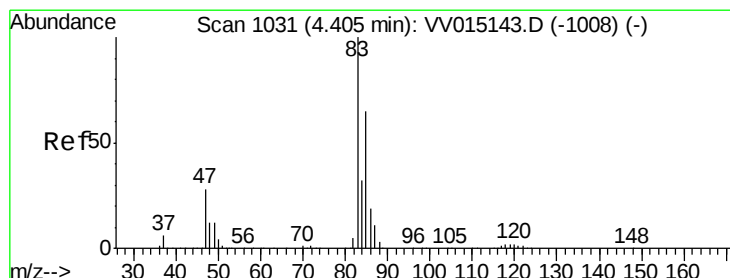
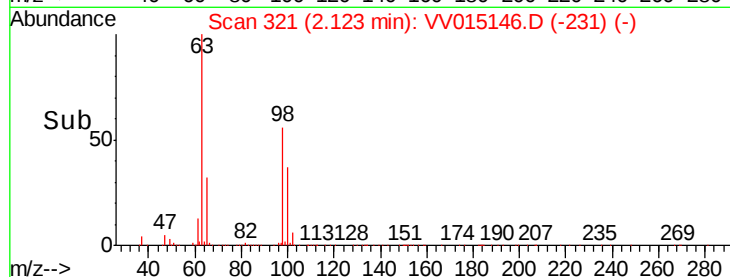
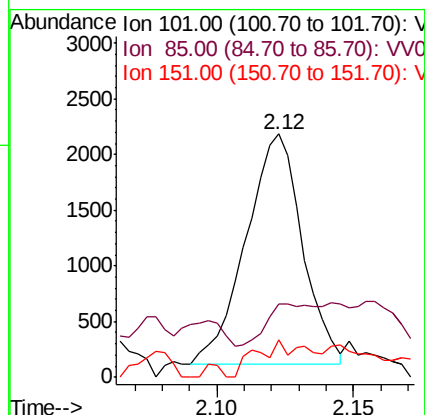
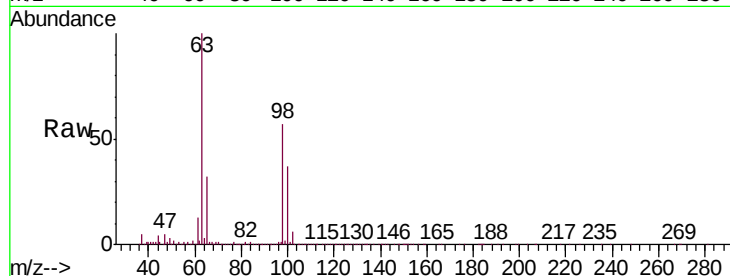
Tgt Ion: 101 Resp: 2967

Ion Ratio Lower Upper

101 100

85 10.2 36.0 54.0#

151 2.0 56.2 84.2#



#25

Chloroform

Concen: 1.046 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV015146.D

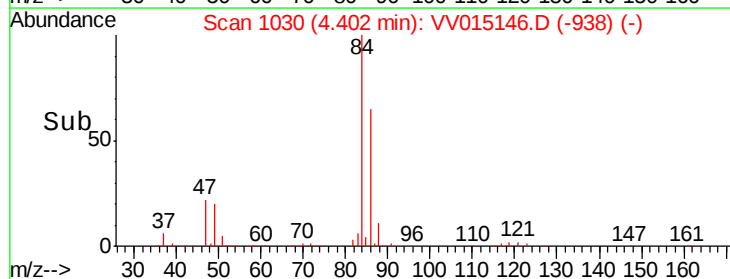
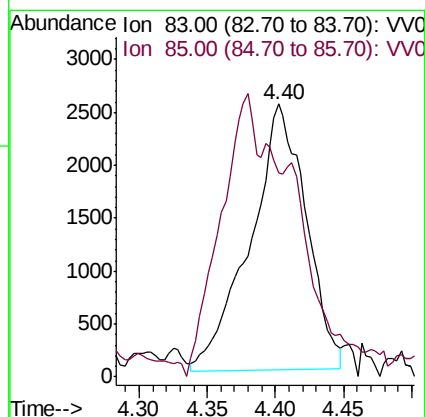
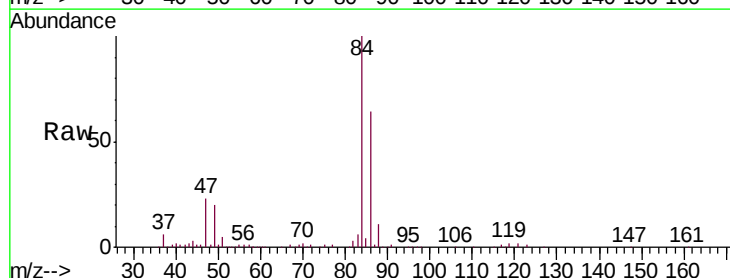
Acq: 25 Mar 2020 20:07

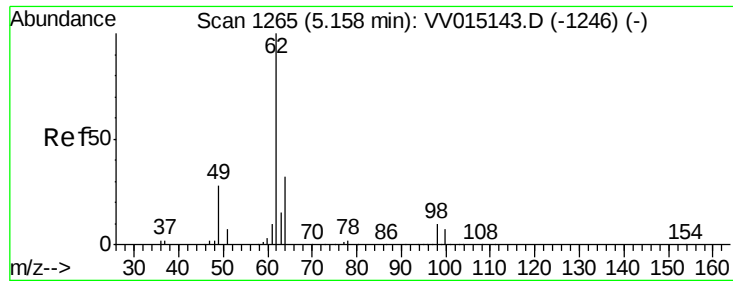
Tgt Ion: 83 Resp: 7169

Ion Ratio Lower Upper

83 100

85 74.8 44.8 83.2

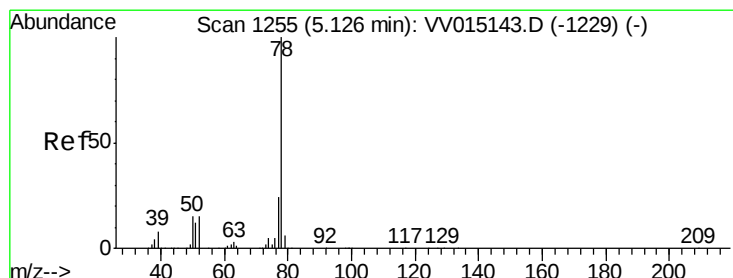
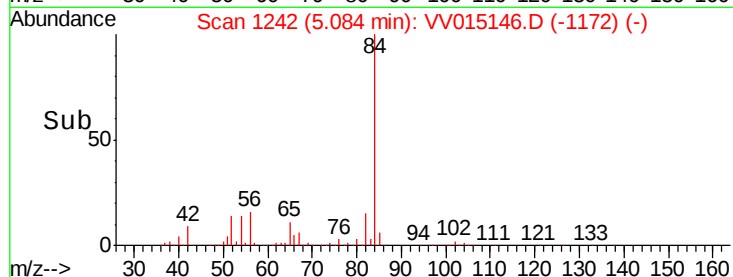
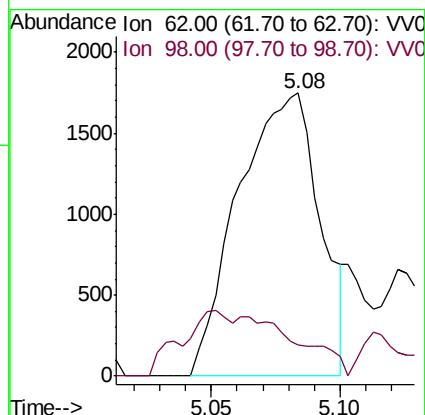
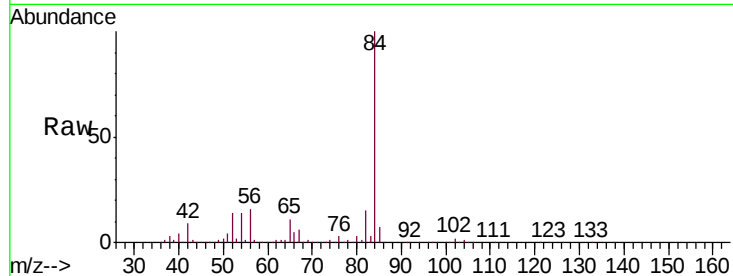




#27
 1,2-Dichloroethane
 Concen: 0.724 ug/L
 RT: 5.08 min Scan# 1242
 Delta R.T. -0.07 min
 Lab File: VV015146.D
 Acq: 25 Mar 2020 20:07

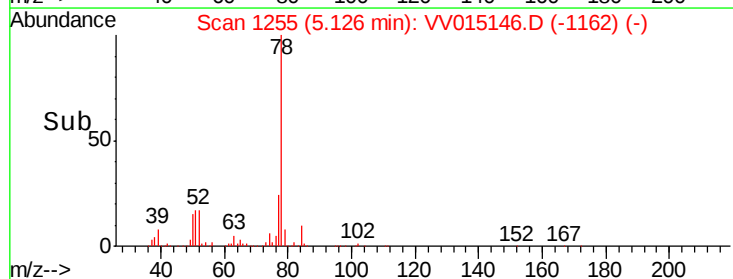
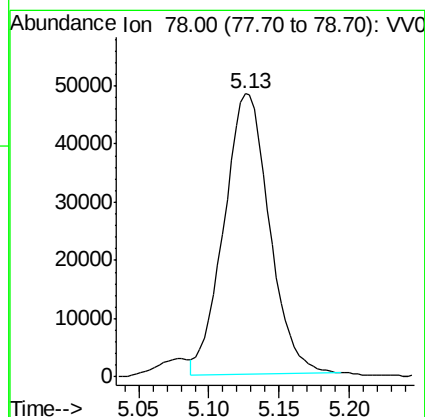
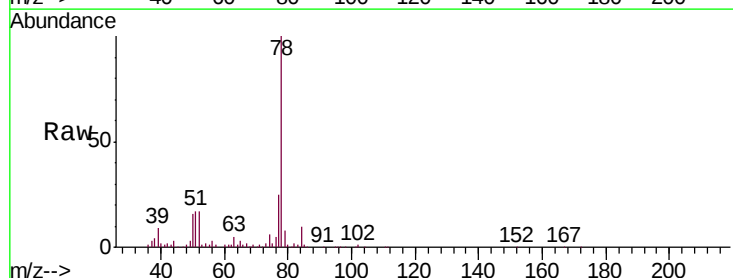
Instrument :
 MSVOA_V
 ClientSampleId :
 CODE1

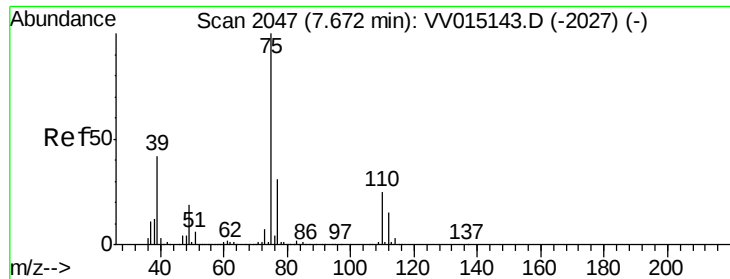
Tgt Ion: 62 Resp: 3844
 Ion Ratio Lower Upper
 62 100
 98 11.2 7.5 11.3



#33
 Benzene
 Concen: 7.423 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VV015146.D
 Acq: 25 Mar 2020 20:07

Tgt Ion: 78 Resp: 108417





#44

trans-1,3-Dichloropropene

Concen: 0.978 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015146.D

Acq: 25 Mar 2020 20:07

Instrument :

MSVOA_V

ClientSampleId :

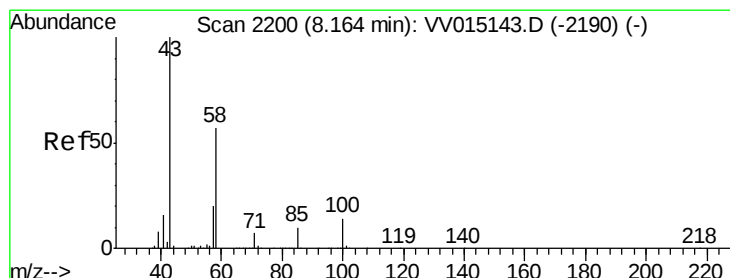
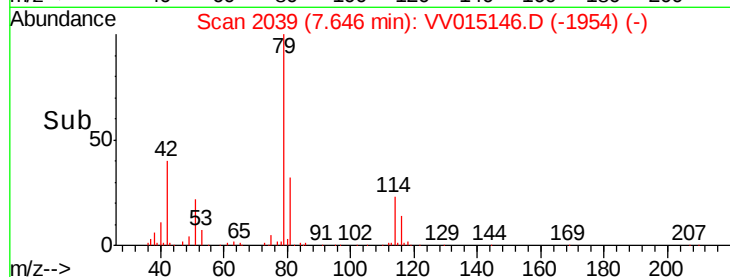
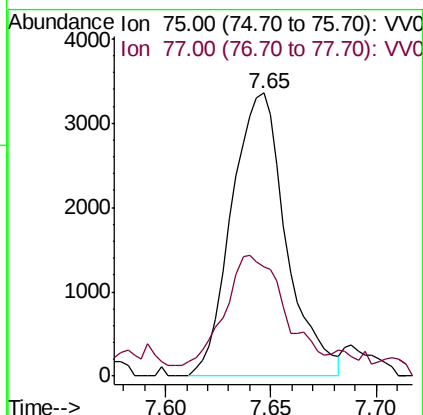
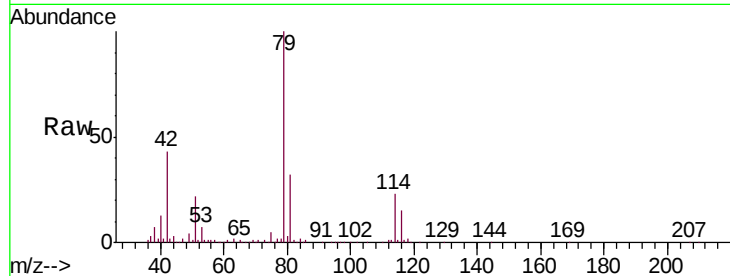
CODE1

Tgt Ion: 75 Resp: 6038

Ion Ratio Lower Upper

75 100

77 38.8 22.0 41.0



#48

2-Hexanone

Concen: 6.393 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV015146.D

Acq: 25 Mar 2020 20:07

Tgt Ion: 43 Resp: 27228

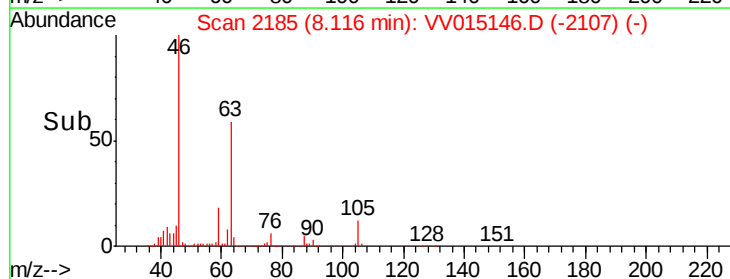
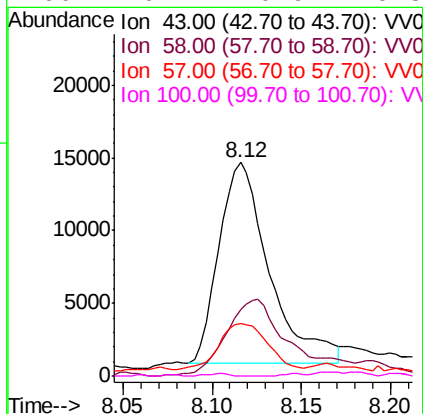
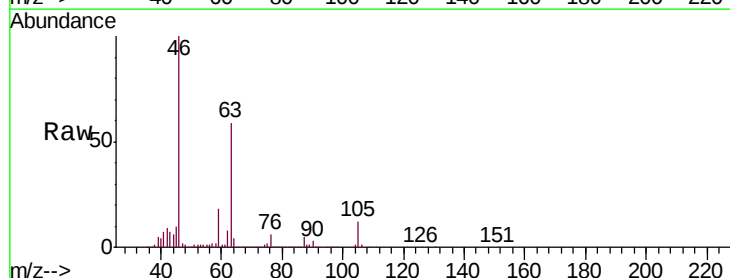
Ion Ratio Lower Upper

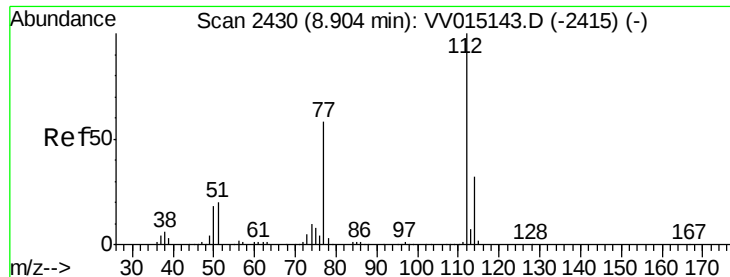
43 100

58 44.3 47.0 70.6#

57 22.6 16.5 24.7

100 0.4 10.9 16.3#





#51

Chlorobenzene

Concen: 122.159 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015146.D

Acq: 25 Mar 2020 20:07

Instrument :

MSVOA_V

ClientSampleId :

C0DE1

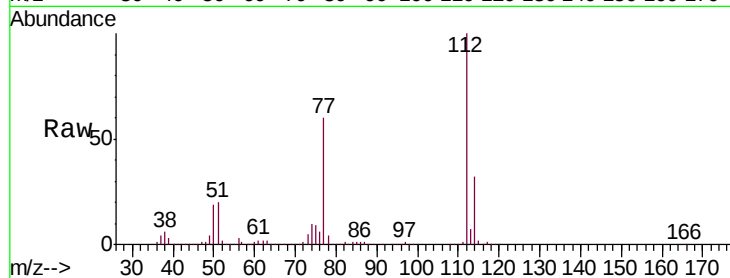
Tgt Ion:112 Resp: 1286330

Ion Ratio Lower Upper

112 100

114 32.2 22.0 40.8

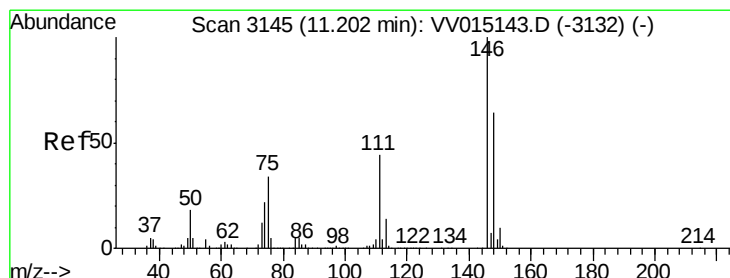
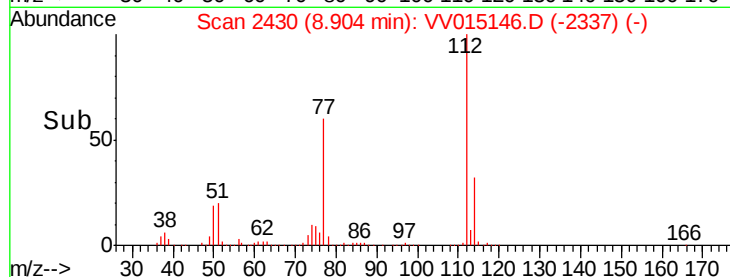
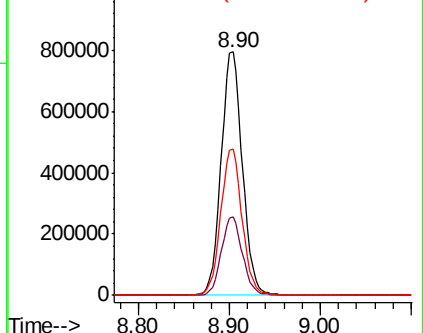
77 60.1 47.2 70.8



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: 7.376 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015146.D

Acq: 25 Mar 2020 20:07

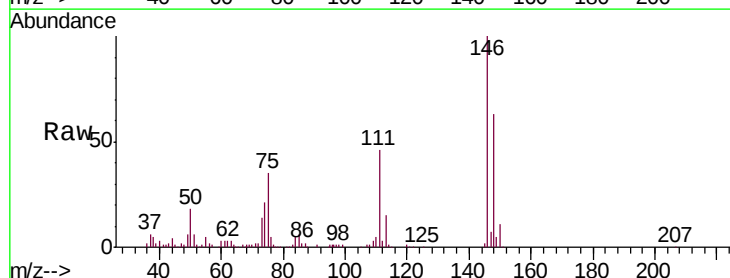
Tgt Ion:146 Resp: 55413

Ion Ratio Lower Upper

146 100

111 45.8 29.3 54.5

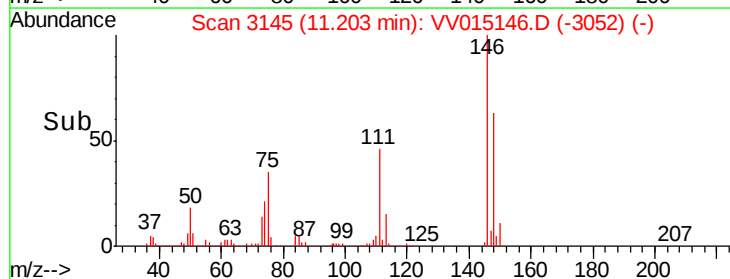
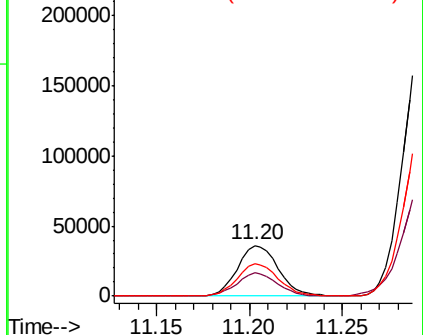
148 63.2 44.7 82.9

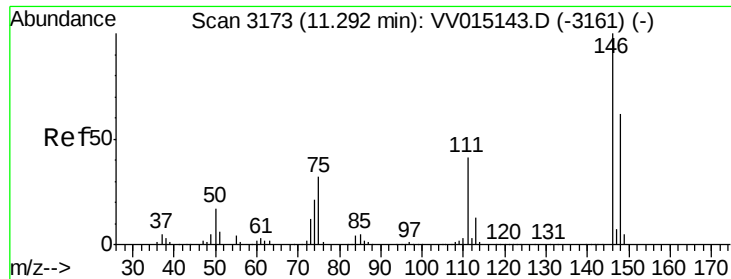


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

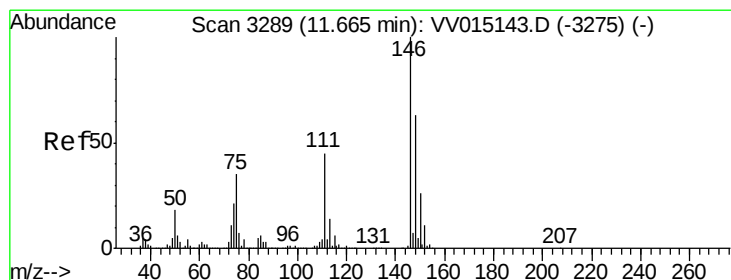
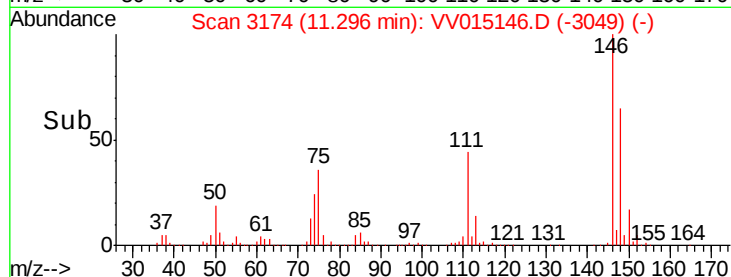
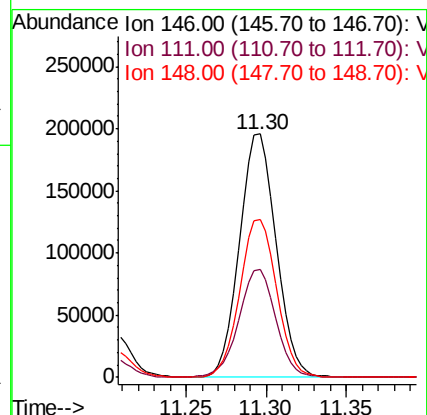
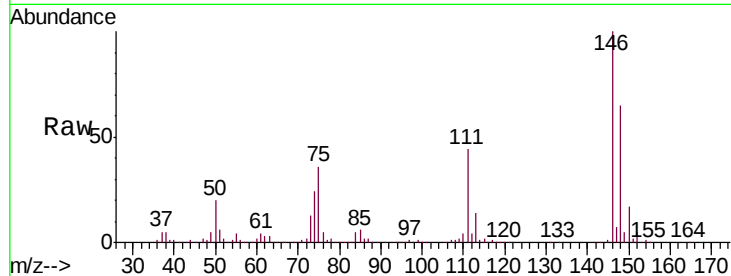




#63
 1,4-Dichlorobenzene
 Concen: 39.665 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015146.D
 Acq: 25 Mar 2020 20:07

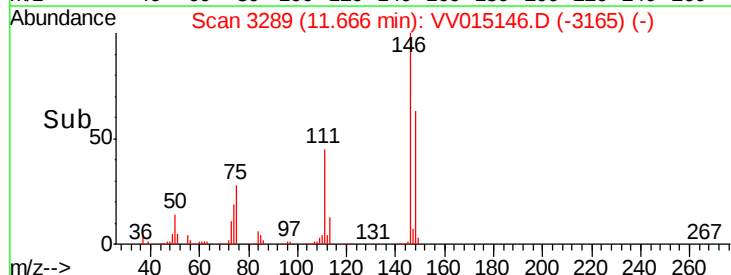
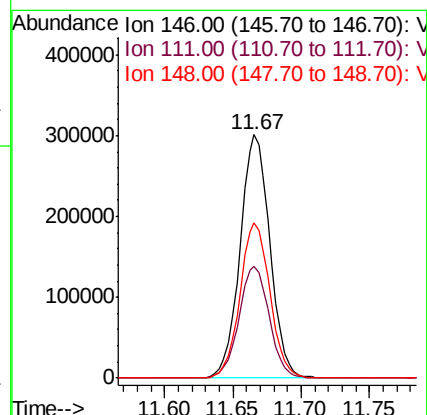
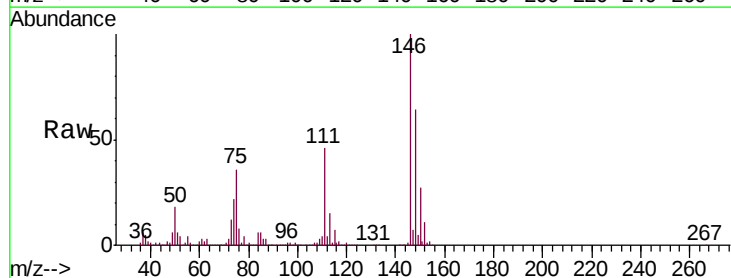
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 MSVOA_V
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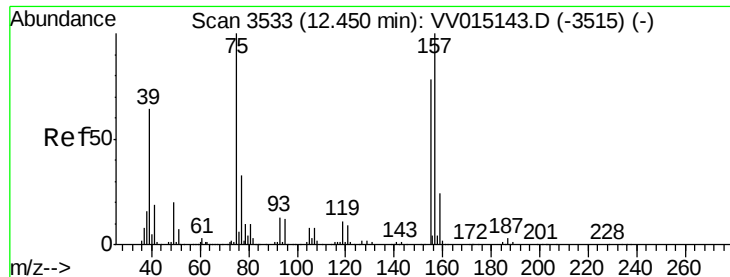
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	28.4	52.8
148	65.0	44.0	81.8



#65
 1,2-Dichlorobenzene
 Concen: 60.307 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015146.D
 Acq: 25 Mar 2020 20:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	35.4	53.2
148	63.6	49.7	74.5





#66

1,2-Dibromo-3-chloropropane

Concen: 1.040 ug/L

RT: 12.41 min Scan# 3522

Delta R.T. -0.04 min

Lab File: VV015146.D

Acq: 25 Mar 2020 20:07

Instrument :

MSVOA_V

ClientSampled :

CODE1

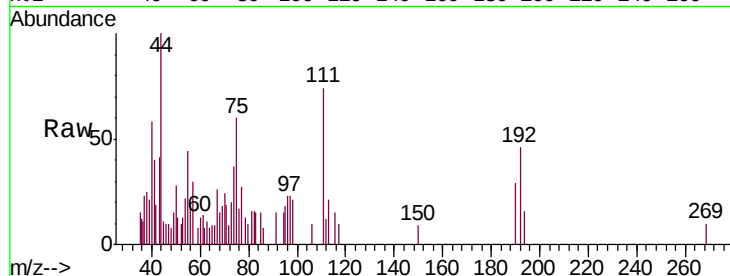
Tgt Ion: 75 Resp: 1712

Ion Ratio Lower Upper

75 100

155 0.0 66.2 99.4#

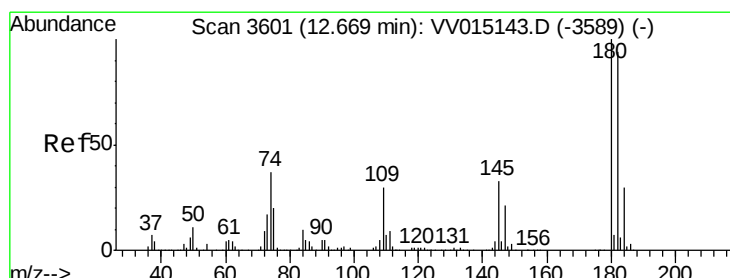
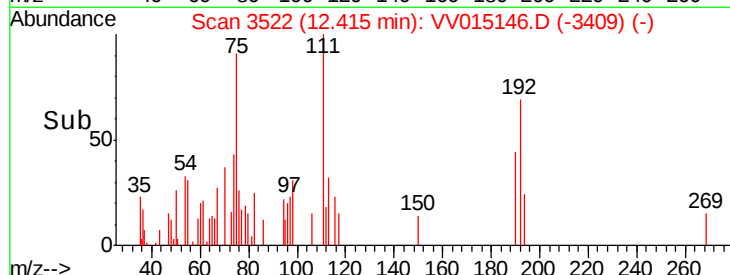
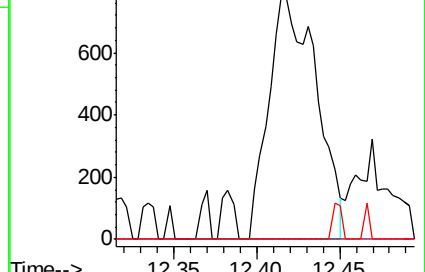
157 0.0 81.1 121.7#



Abundance Ion 75.00 (74.70 to 75.70): VV015143.D (-3515) (-)

Ion 155.00 (154.70 to 155.70): VV015143.D (-3515) (-)

Ion 157.00 (156.70 to 157.70): VV015143.D (-3515) (-)



#67

1,3,5-Trichlorobenzene

Concen: 25.221 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV015146.D

Acq: 25 Mar 2020 20:07

Tgt Ion: 180 Resp: 127680

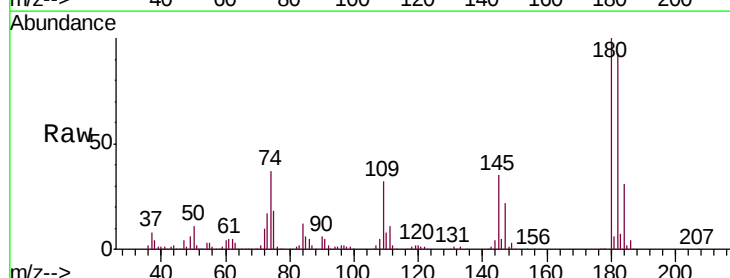
Ion Ratio Lower Upper

180 100

182 91.2 76.1 114.1

184 30.0 24.4 36.6

145 34.6 26.7 40.1

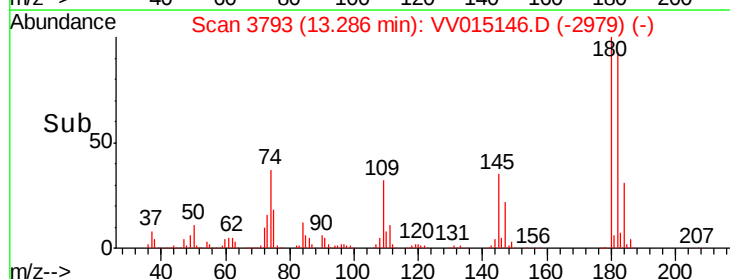
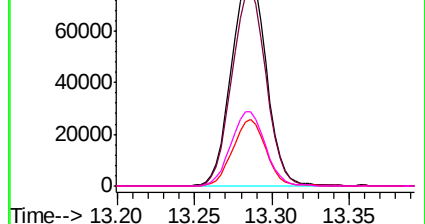


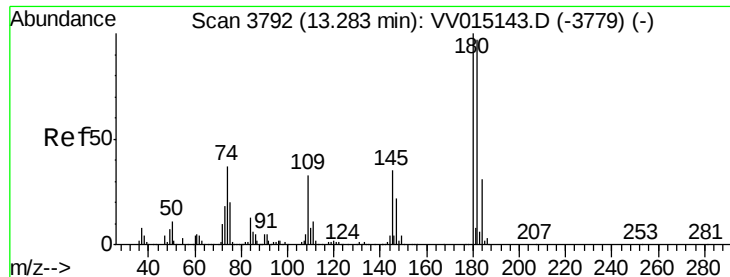
Abundance Ion 180.00 (179.70 to 180.70): VV015143.D (-3589) (-)

Ion 182.00 (181.70 to 182.70): VV015143.D (-3589) (-)

Ion 184.00 (183.70 to 184.70): VV015143.D (-3589) (-)

Ion 145.00 (144.70 to 145.70): VV015143.D (-3589) (-)

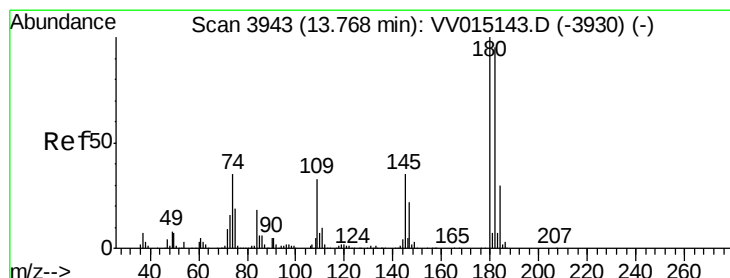
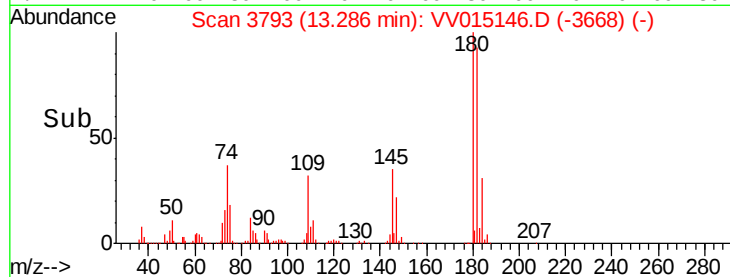
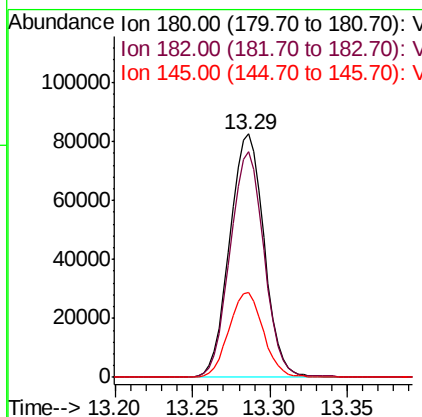
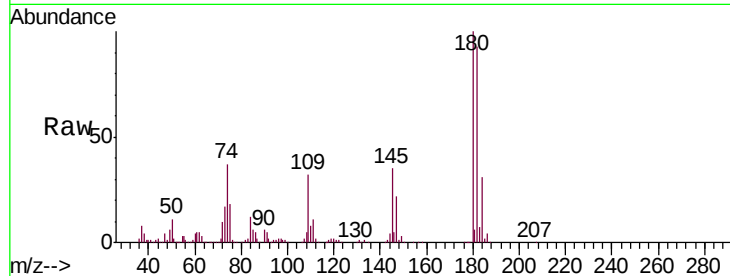




#68
 1,2,4-trichlorobenzene
 Concen: 26.787 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015146.D
 Acq: 25 Mar 2020 20:07

Instrument :
 MSVOA_V
 ClientSampled :
 CODE1

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.2	76.1	114.1
145	34.6	26.6	40.0



#70
 1,2,3-Trichlorobenzene
 Concen: 6.809 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015146.D
 Acq: 25 Mar 2020 20:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.3	114.5
145	39.1	29.6	44.4

