

Data File : VV009763.D
Acq On : 18 Mar 2019 16:59
Operator : SY/MD
Sample : K1967-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09B4

Quant Time: Mar 19 04:34:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 12:32:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	136396	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	130622	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	51974	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41314	44.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.84%
7) Chloroethane-d5	1.56	69	33825	49.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.70%
11) 1,1-Dichloroethene-d2	2.12	63	68475	34.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.94%
21) 2-Butanone-d5	3.93	46	56160	102.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.52%
24) Chloroform-d	4.40	84	79655	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
26) 1,2-Dichloroethane-d4	5.08	65	49997	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.52%
32) Benzene-d6	5.10	84	169532	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.34%
36) 1,2-Dichloropropane-d6	6.12	67	50224	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.66%
41) Toluene-d8	7.36	98	159346	48.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.04%
43) trans-1,3-Dichloropropene-	7.66	79	23019	46.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.68%
47) 2-Hexanone-d5	8.14	63	39565	93.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.54%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	75248	47.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.46%
64) 1,2-Dichlorobenzene-d4	11.68	152	55743	53.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

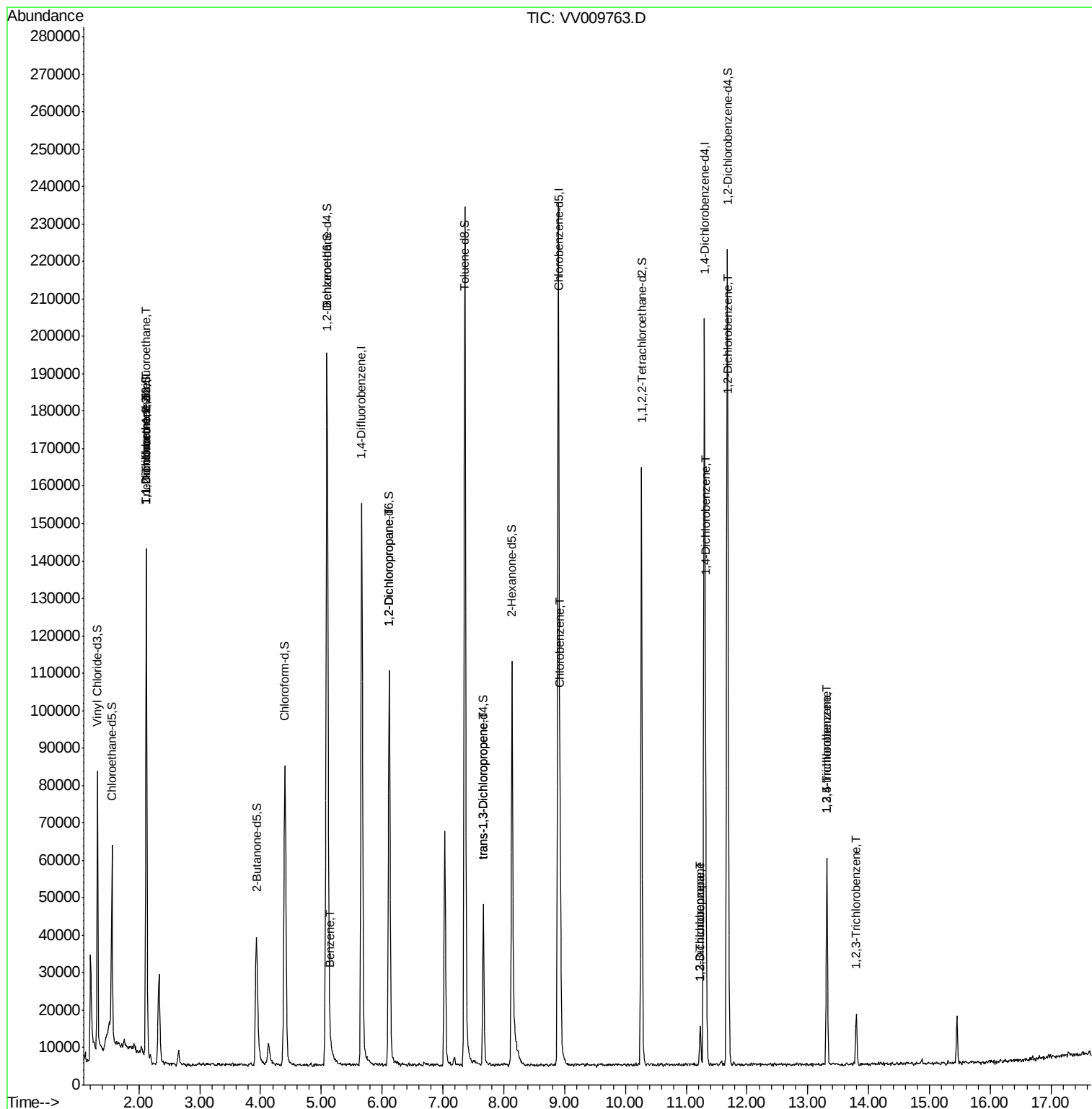
						Qvalue
9) Trichlorofluoromethane	2.12	101	705	0.416	ug/L #	30
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	705	0.751	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	691	0.850	ug/L #	1
33) Benzene	5.14	78	2568	0.720	ug/L	100
37) 1,2-Dichloropropane	6.12	63	5478	6.025	ug/L #	86
44) trans-1,3-Dichloropropene	7.67	75	1155	0.878	ug/L #	82
51) Chlorobenzene	8.93	112	30949	11.602	ug/L	98
59) 1,2,3-Trichloropropane	11.23	75	1313	1.098	ug/L #	42
62) 1,3-Dichlorobenzene	11.23	146	4476	2.625	ug/L	89
63) 1,4-Dichlorobenzene	11.32	146	20338	11.823	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	17107	9.833	ug/L	94
67) 1,3,5-Trichlorobenzene	13.31	180	16987	15.665	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	16987	22.350	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	4307	5.653	ug/L	97

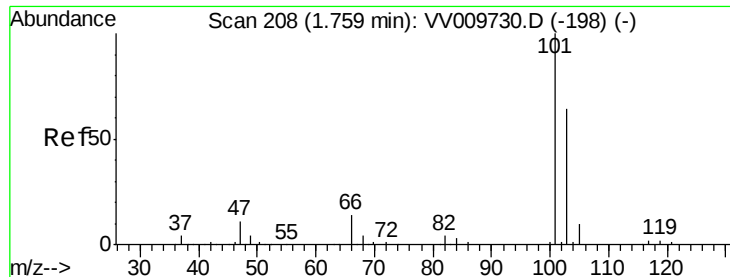
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.416 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.37 min

Lab File: VV009763.D

Acq: 18 Mar 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

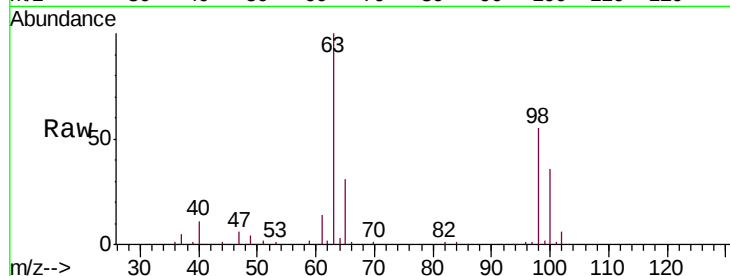
C09B4

Tgt Ion:101 Resp: 705

Ion Ratio Lower Upper

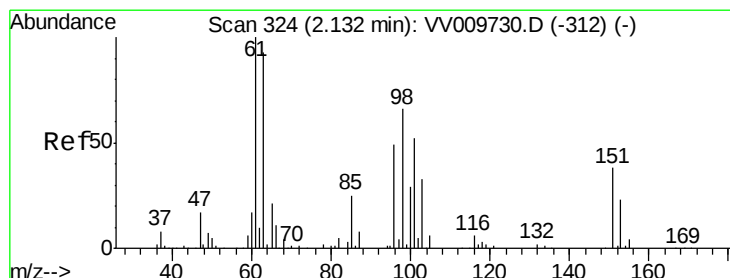
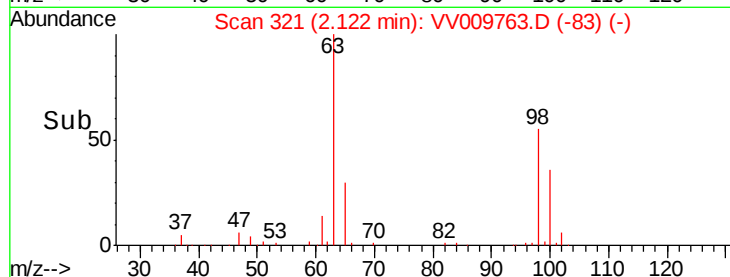
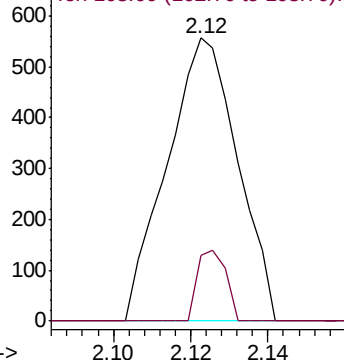
101 100

103 10.2 52.3 78.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.751 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009763.D

Acq: 18 Mar 2019 16:59

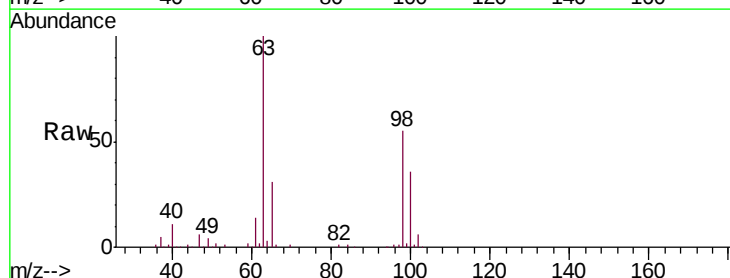
Tgt Ion:101 Resp: 705

Ion Ratio Lower Upper

101 100

85 0.0 38.5 57.7#

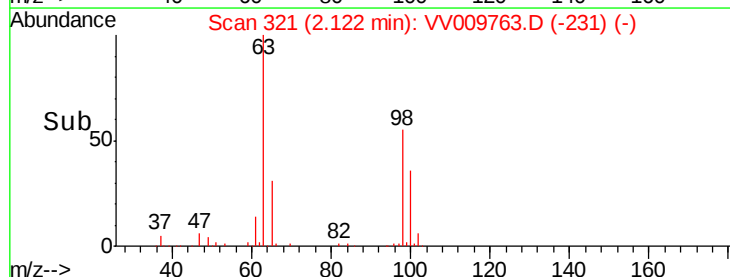
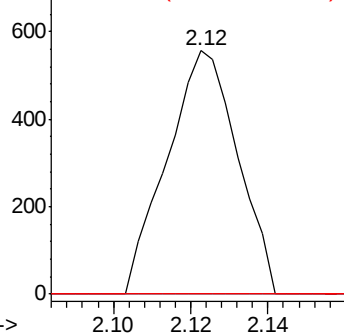
151 0.0 58.9 88.3#

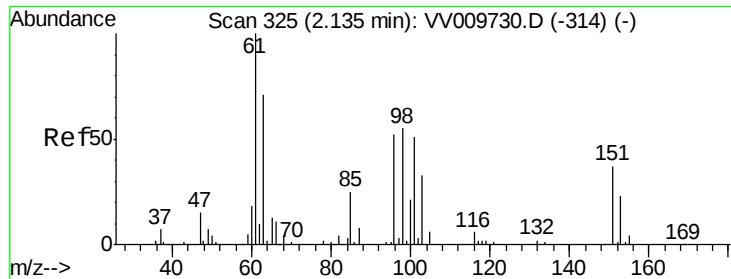


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.850 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009763.D

Acq: 18 Mar 2019 16:59

Instrument :
MSVOA_V
ClientSampleId :
C09B4

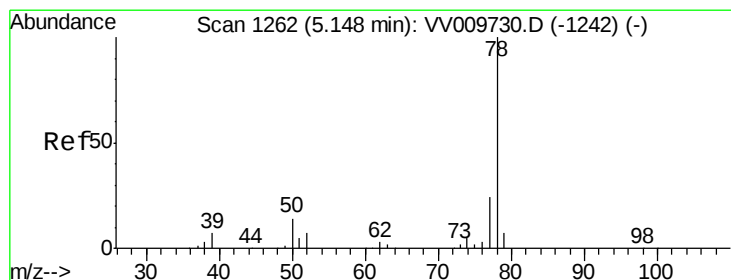
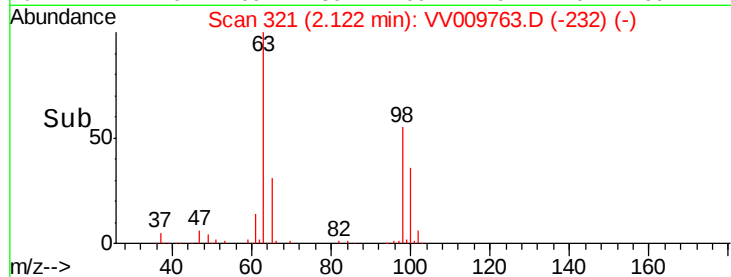
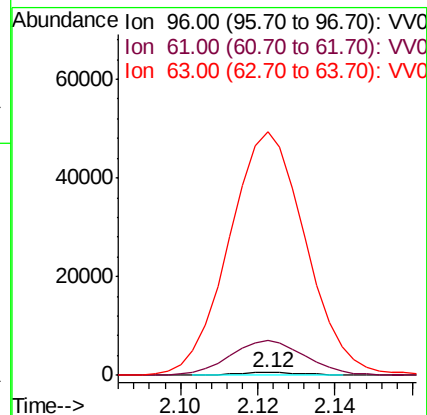
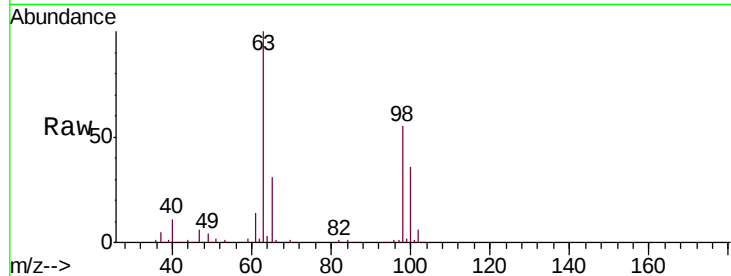
Tgt Ion: 96 Resp: 691

Ion Ratio Lower Upper

96 100

61 1221.5 135.5 251.7#

63 8626.6 100.2 186.2#



#33

Benzene

Concen: 0.720 ug/L

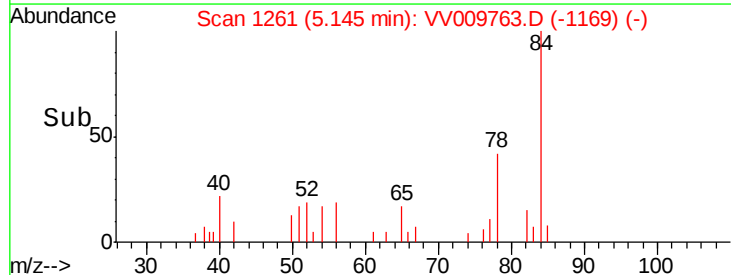
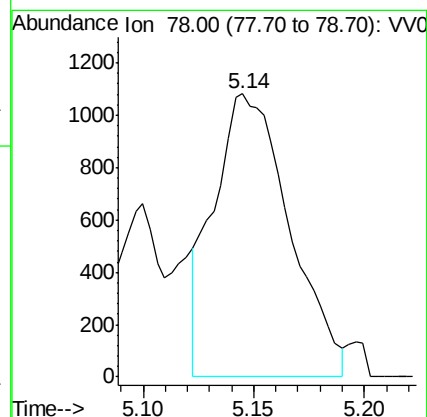
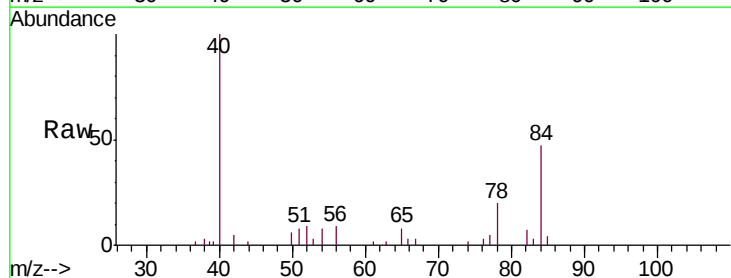
RT: 5.14 min Scan# 1261

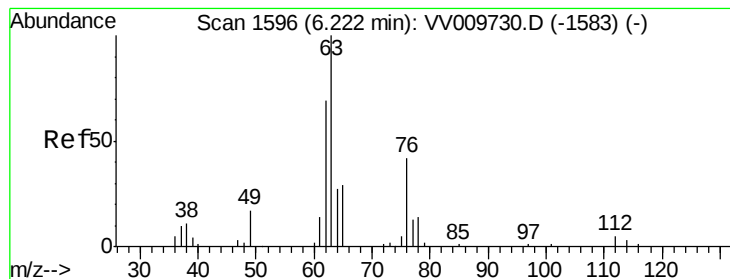
Delta R.T. -0.00 min

Lab File: VV009763.D

Acq: 18 Mar 2019 16:59

Tgt Ion: 78 Resp: 2568





#37

1,2-Dichloropropane

Concen: 6.025 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV009763.D

Acq: 18 Mar 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

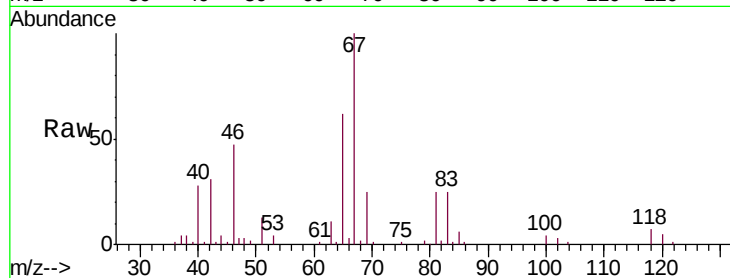
C09B4

Tgt Ion: 63 Resp: 5478

Ion Ratio Lower Upper

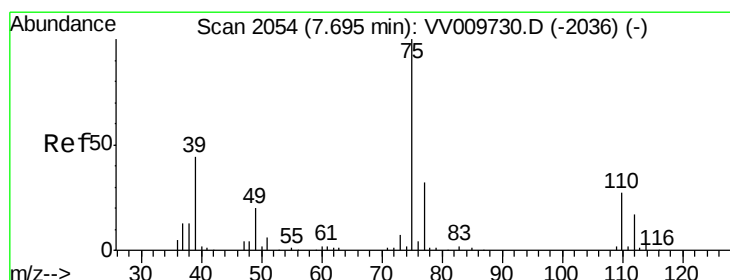
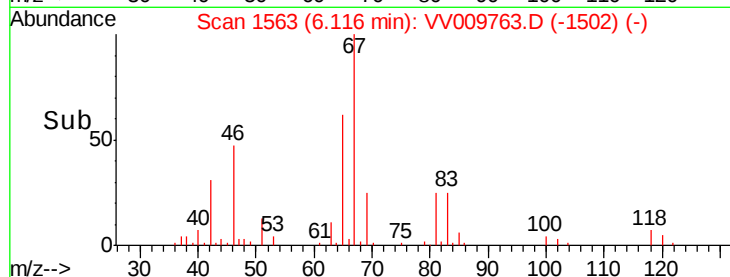
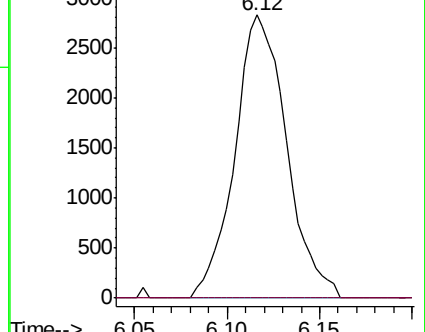
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VV009730.D (-1583) (-)

Ion 112.00 (111.70 to 112.70): VV009730.D (-1583) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.878 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009763.D

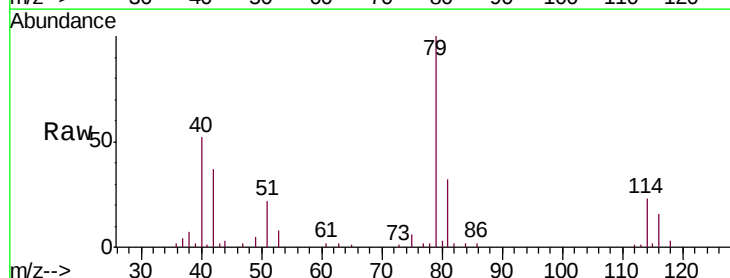
Acq: 18 Mar 2019 16:59

Tgt Ion: 75 Resp: 1155

Ion Ratio Lower Upper

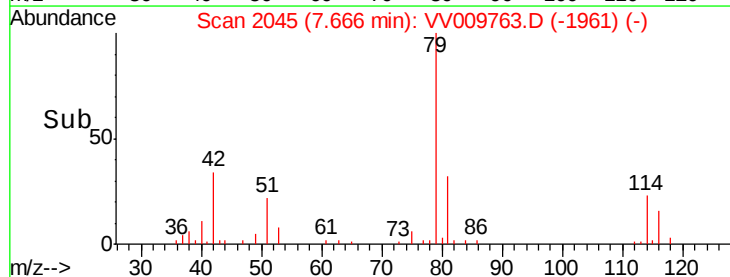
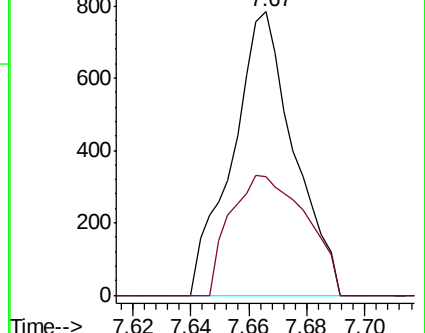
75 100

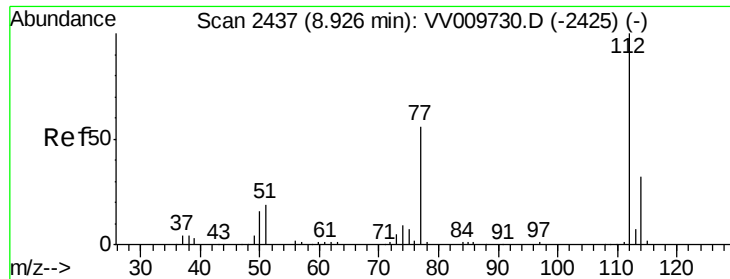
77 42.0 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VV009730.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009730.D (-2036) (-)





#51

Chlorobenzene

Concen: 11.602 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009763.D

Acq: 18 Mar 2019 16:59

Instrument :

MSVOA_V

ClientSampleID :

C09B4

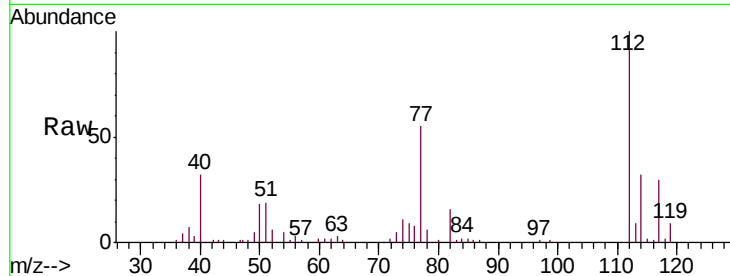
Tgt Ion: 112 Resp: 30949

Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.9

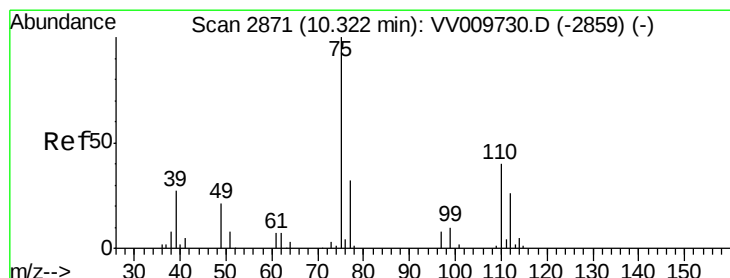
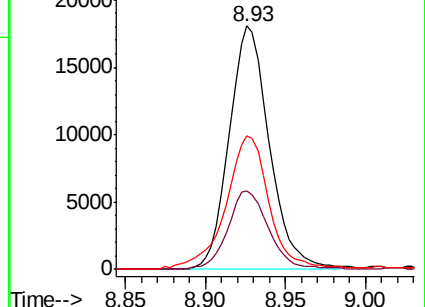
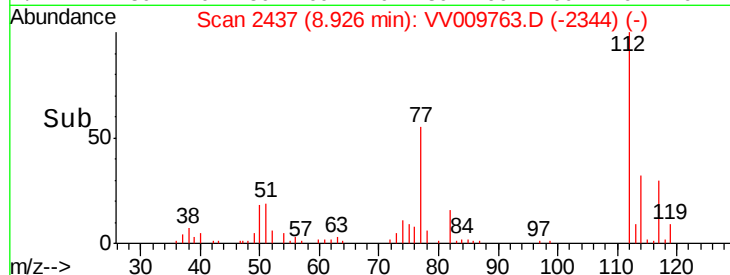
77 54.9 45.4 68.2



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



#59

1,2,3-Trichloropropane

Concen: 1.098 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.91 min

Lab File: VV009763.D

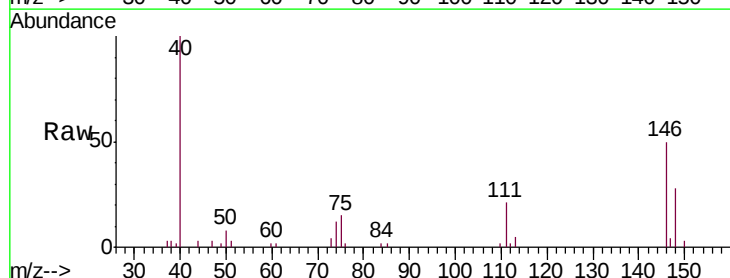
Acq: 18 Mar 2019 16:59

Tgt Ion: 75 Resp: 1313

Ion Ratio Lower Upper

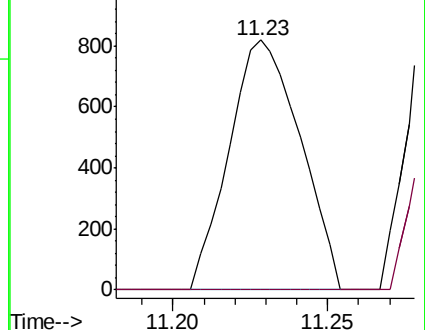
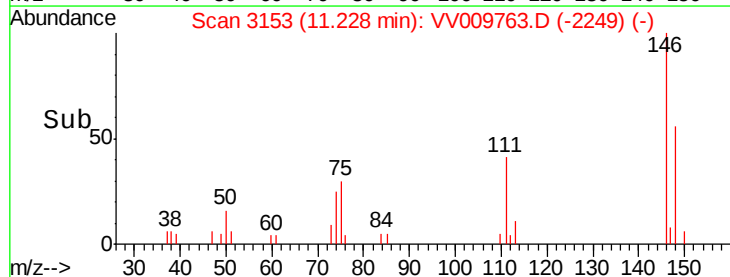
75 100

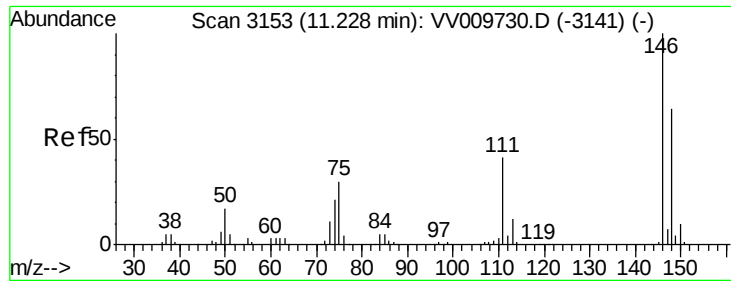
77 0.0 26.2 39.4#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 2.625 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV009763.D

Acq: 18 Mar 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

C09B4

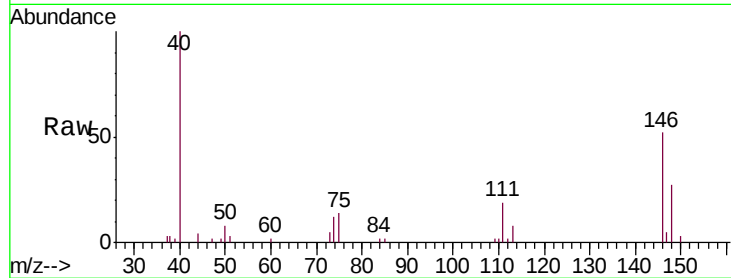
Tgt Ion:146 Resp: 4476

Ion Ratio Lower Upper

146 100

111 36.4 28.8 53.4

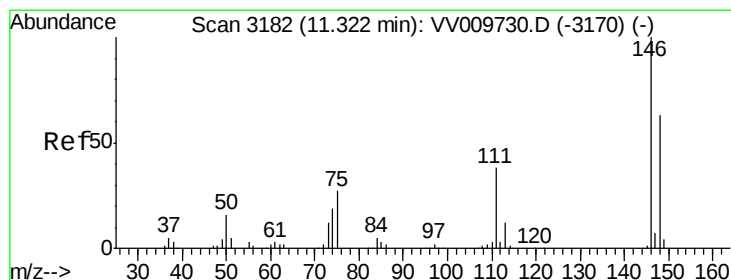
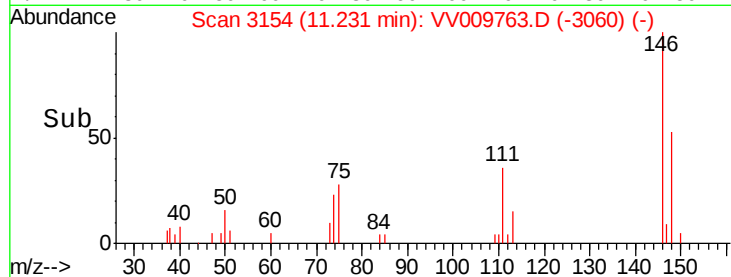
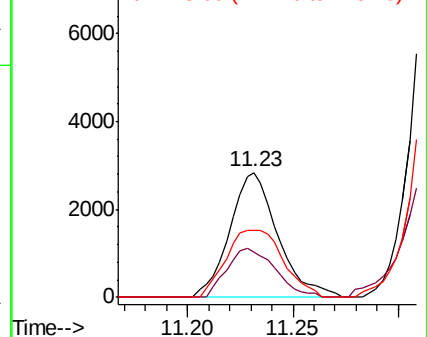
148 53.4 44.8 83.2



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: 11.823 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV009763.D

Acq: 18 Mar 2019 16:59

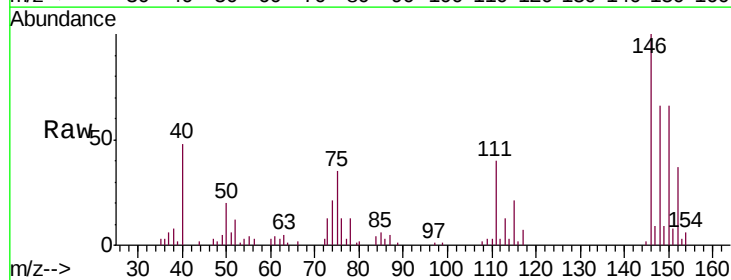
Tgt Ion:146 Resp: 20338

Ion Ratio Lower Upper

146 100

111 39.9 26.7 49.5

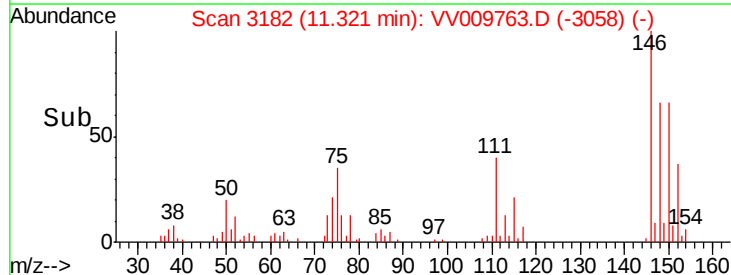
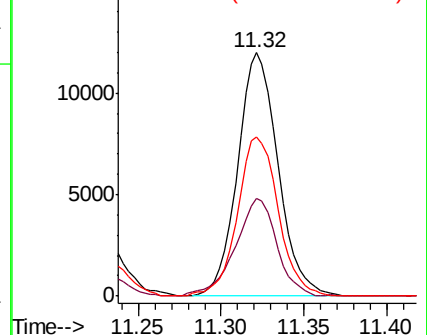
148 65.5 44.3 82.3

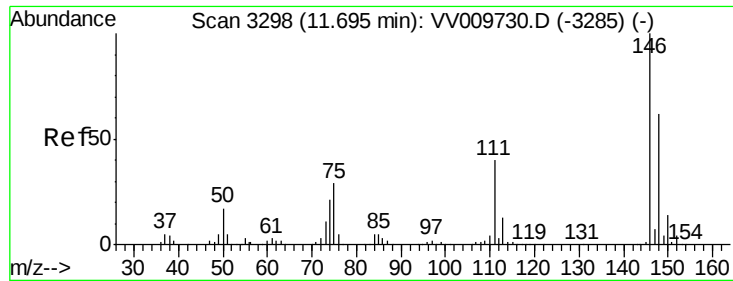


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.833 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV009763.D

Acq: 18 Mar 2019 16:59

Instrument :

MSVOA_V

ClientSampled :

C09B4

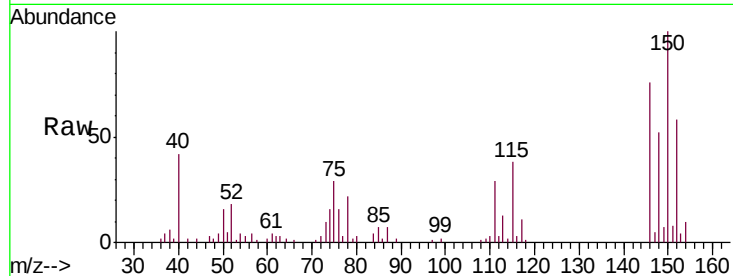
Tgt Ion:146 Resp: 17107

Ion Ratio Lower Upper

146 100

111 38.3 32.2 48.4

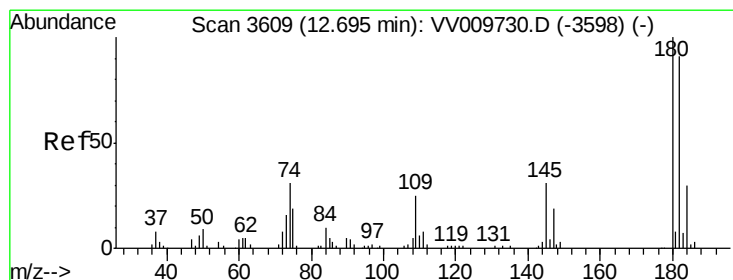
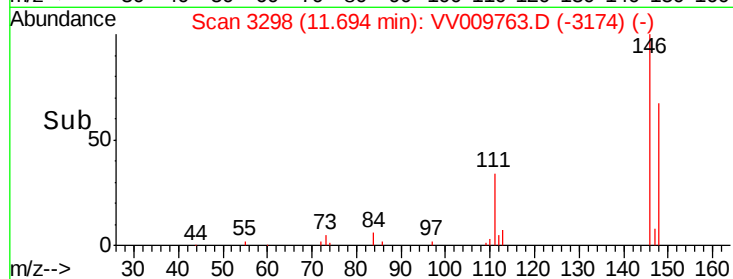
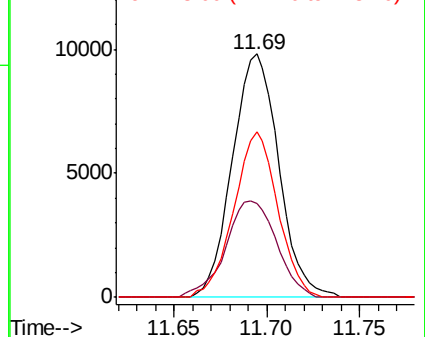
148 67.7 49.6 74.4



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



#67

1,3,5-Trichlorobenzene

Concen: 15.665 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.62 min

Lab File: VV009763.D

Acq: 18 Mar 2019 16:59

Tgt Ion:180 Resp: 16987

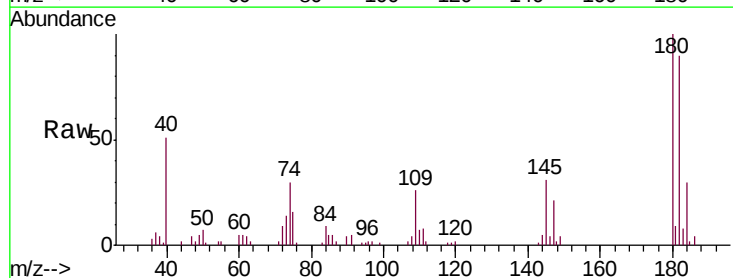
Ion Ratio Lower Upper

180 100

182 92.0 73.9 110.9

184 29.7 23.4 35.2

145 32.9 24.6 37.0

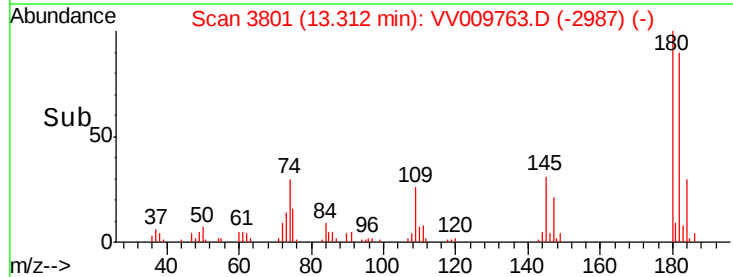
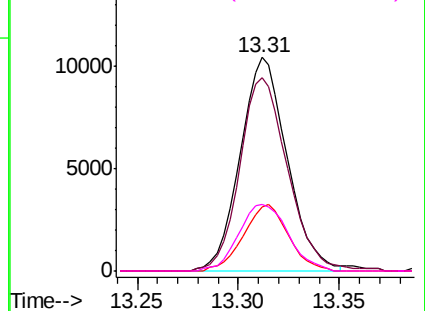


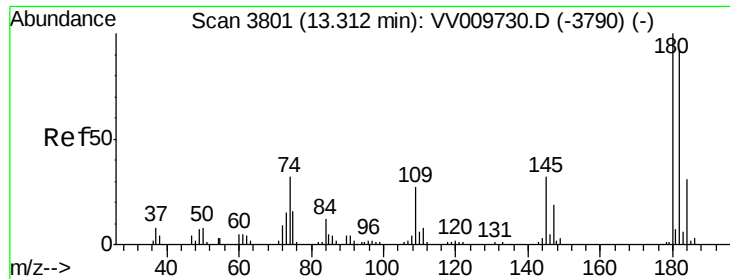
Abundance Ion 180.00 (179.70 to 180.70): V

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

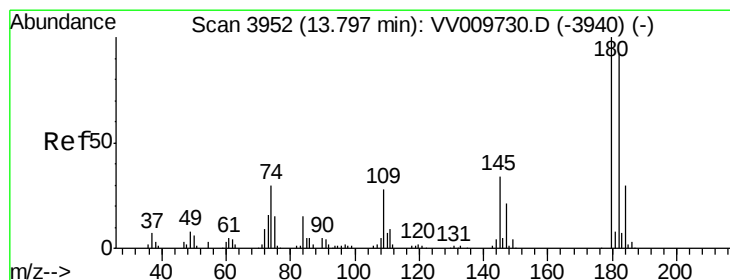
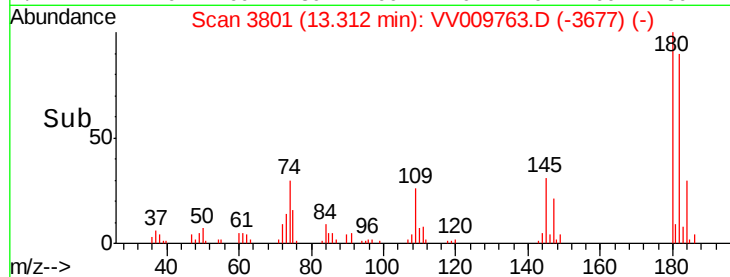
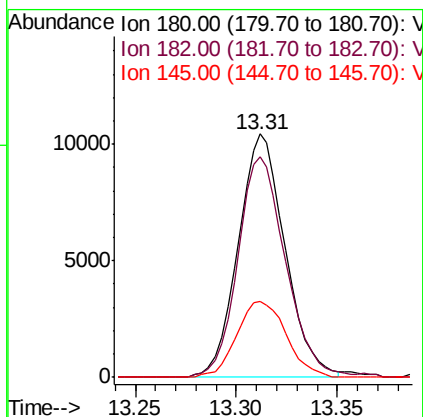
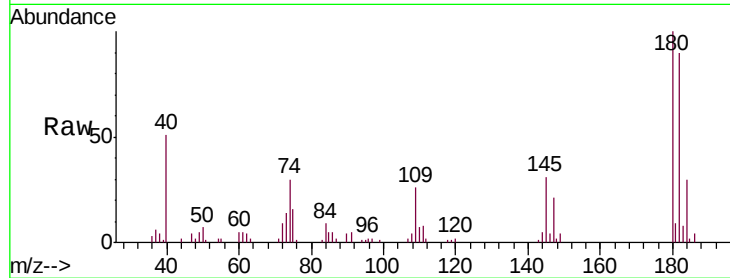




#68
 1,2,4-trichlorobenzene
 Concen: 22.350 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009763.D
 Acq: 18 Mar 2019 16:59

Instrument :
 MSVOA_V
 ClientSampleId :
 C09B4

Tgt Ion:180 Resp: 16987
 Ion Ratio Lower Upper
 180 100
 182 92.0 75.7 113.5
 145 32.9 25.3 37.9



#70
 1,2,3-Trichlorobenzene
 Concen: 5.653 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV009763.D
 Acq: 18 Mar 2019 16:59

Tgt Ion:180 Resp: 4307
 Ion Ratio Lower Upper
 180 100
 182 93.2 73.3 109.9
 145 36.7 26.4 39.6

