

Data File : VV009875.D
Acq On : 25 Mar 2019 21:10
Operator : SY/MD
Sample : K2016-10DL 400X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0987DL

Quant Time: Mar 26 07:19:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:13:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	177182	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	177653	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73985	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88043	48.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.34%
7) Chloroethane-d5	1.56	69	98172	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.46%
11) 1,1-Dichloroethene-d2	2.13	63	188788	35.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.80%
21) 2-Butanone-d5	3.93	46	80653	99.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.88%
24) Chloroform-d	4.40	84	114071	45.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.68%
26) 1,2-Dichloroethane-d4	5.08	65	79795	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
32) Benzene-d6	5.10	84	244556	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
36) 1,2-Dichloropropane-d6	6.12	67	74996	50.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.84%
41) Toluene-d8	7.36	98	227000	48.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.14%
43) trans-1,3-Dichloropropene-	7.66	79	29239	43.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.06%
47) 2-Hexanone-d5	8.13	63	58993	96.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.75%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	103173	42.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.48%
64) 1,2-Dichlorobenzene-d4	11.68	152	82899	48.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.74%

Target Compounds

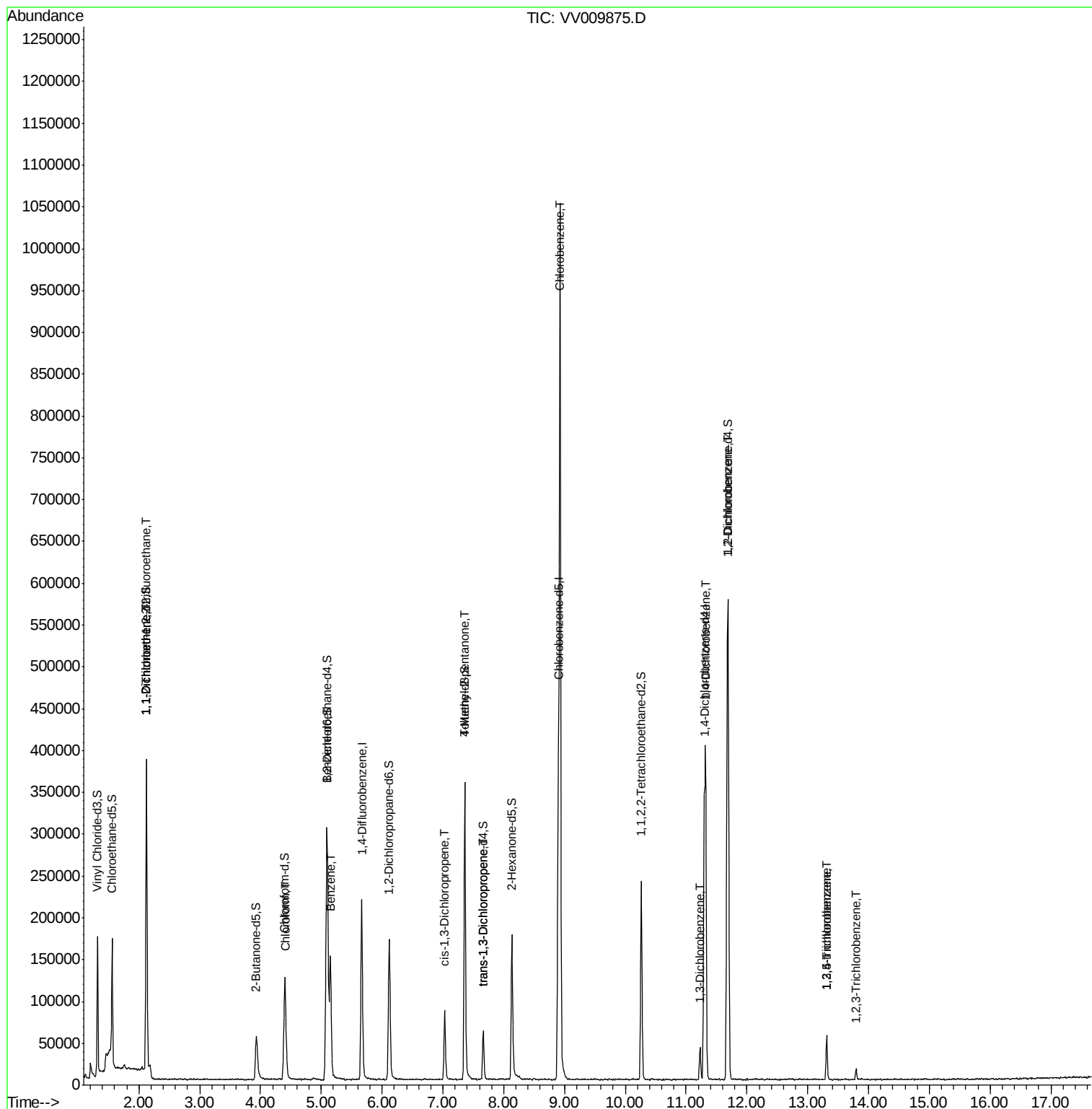
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1705	0.627	ug/L #	21
12) 1,1-Dichloroethene	2.12	96	1644	0.683	ug/L #	1
25) Chloroform	4.42	83	1839	0.733	ug/L	96
33) Benzene	5.15	78	135711	26.166	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	2517	1.310	ug/L #	72
40) 4-Methyl-2-pentanone	7.36	43	951	0.521	ug/L #	1
44) trans-1,3-Dichloropropene	7.66	75	1175	0.658	ug/L	96
51) Chlorobenzene	8.93	112	506290	128.851	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	13649	5.386	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	130951	49.283	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	171799	64.167	ug/L	98
67) 1,3,5-Trichlorobenzene	13.31	180	13445	7.776	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	13445	9.759	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	3900	2.798	ug/L	93

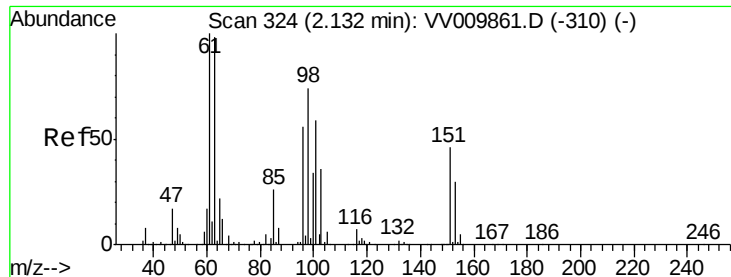
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.627 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009875.D

Acq: 25 Mar 2019 21:10

Instrument :

MSVOA_V

ClientSampleId :

C0987DL

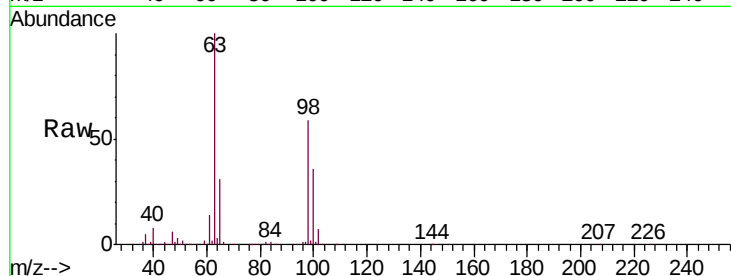
Tgt Ion: 101 Resp: 1705

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.4#

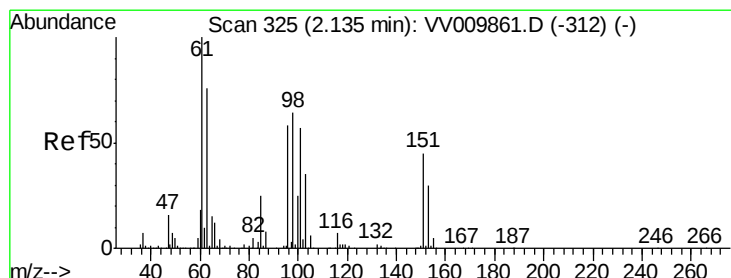
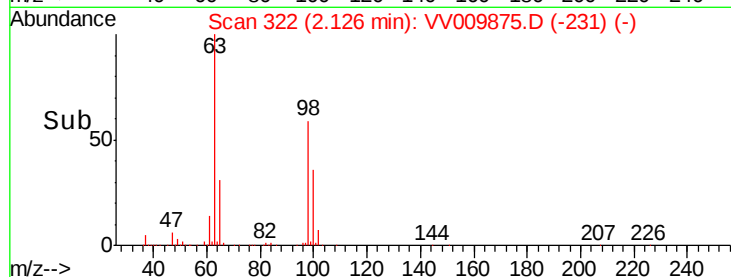
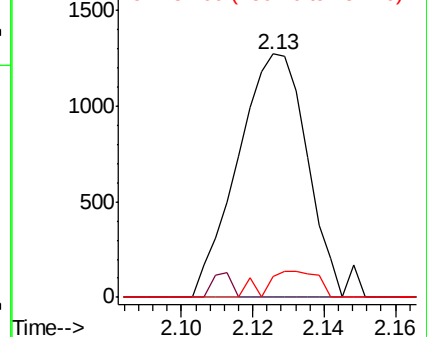
151 7.0 65.4 98.2#



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: 0.683 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009875.D

Acq: 25 Mar 2019 21:10

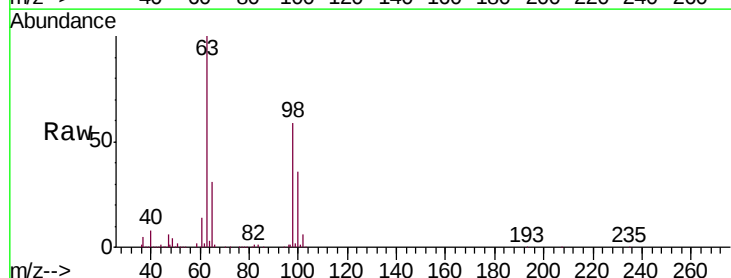
Tgt Ion: 96 Resp: 1644

Ion Ratio Lower Upper

96 100

61 1590.6 125.3 232.7#

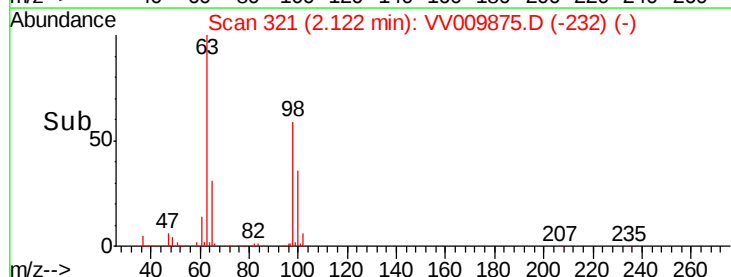
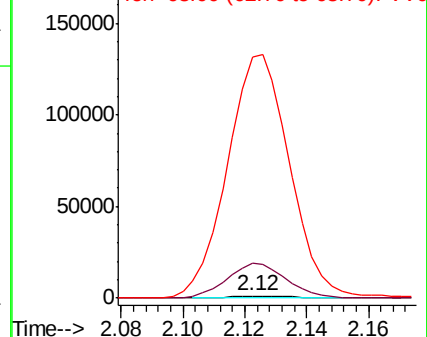
63 11037.4 109.7 203.7#

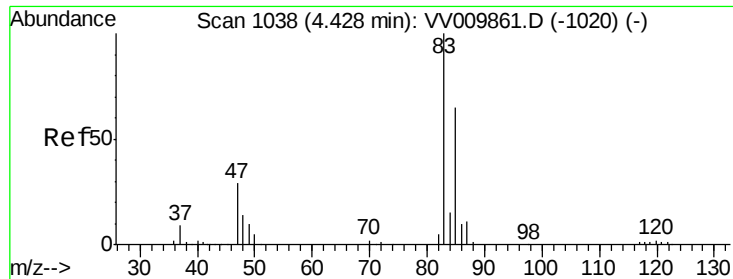


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

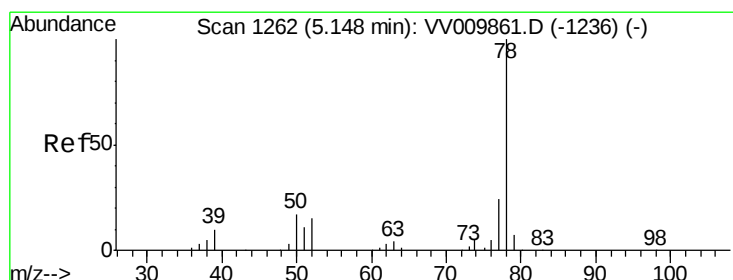
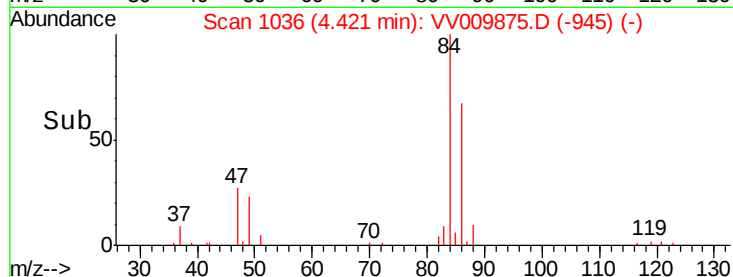
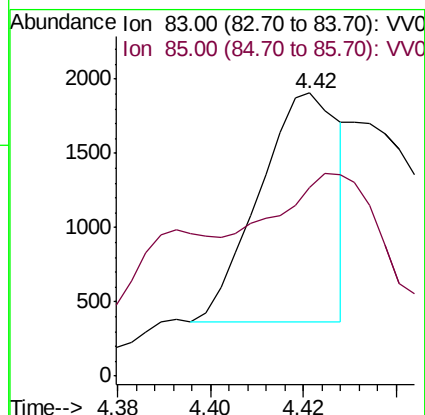
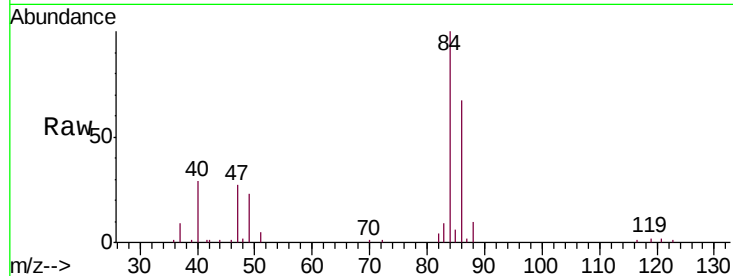




#25
Chloroform
Concen: 0.733 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VV009875.D
Acq: 25 Mar 2019 21:10

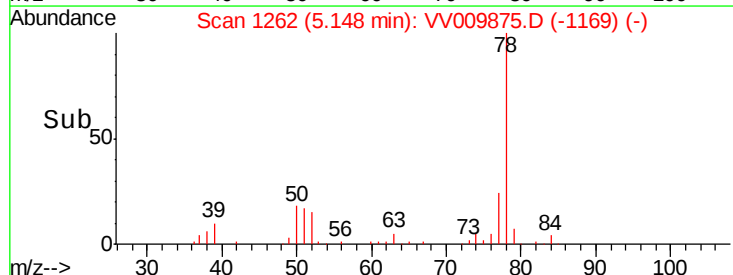
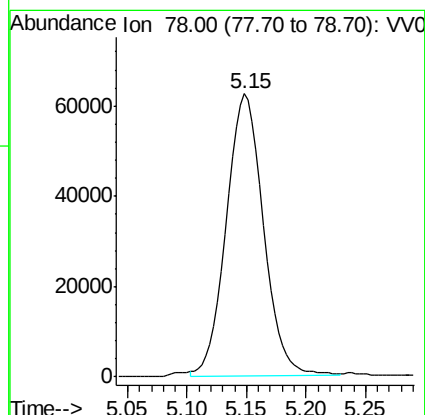
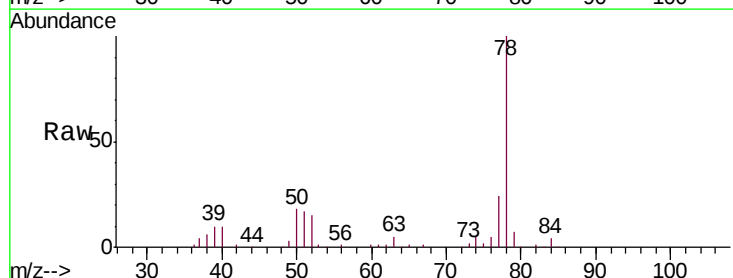
Instrument :
MSVOA_V
ClientSampleId :
C0987DL

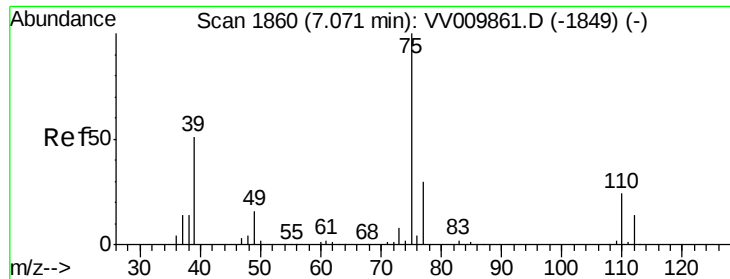
Tgt Ion: 83 Resp: 1839
Ion Ratio Lower Upper
83 100
85 66.5 44.7 82.9



#33
Benzene
Concen: 26.166 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV009875.D
Acq: 25 Mar 2019 21:10

Tgt Ion: 78 Resp: 135711

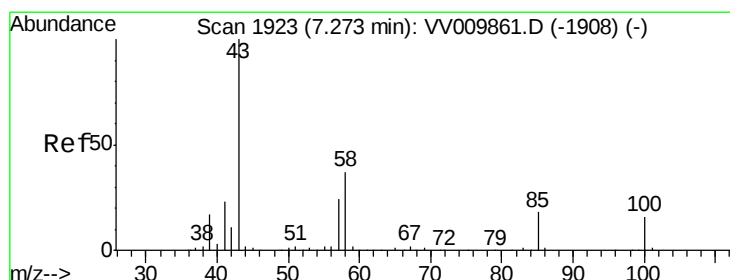
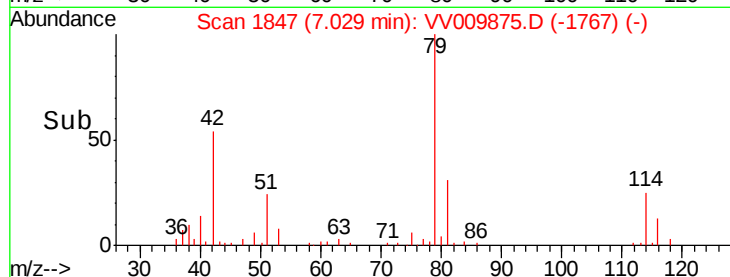
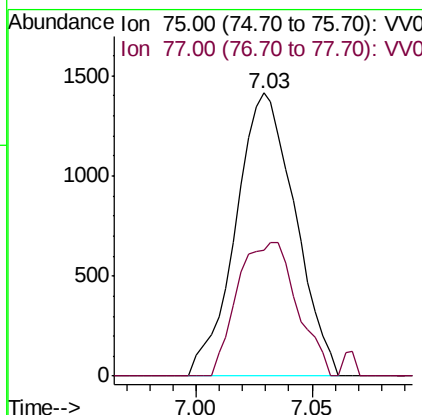
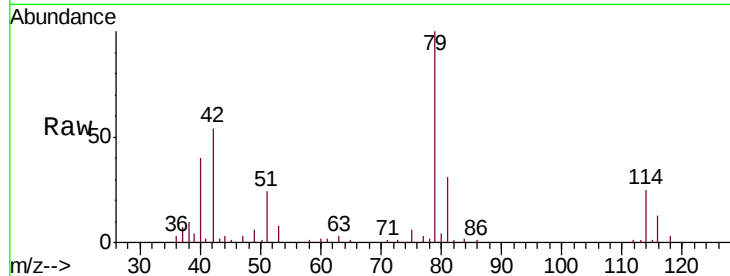




#39
 cis-1,3-Dichloropropene
 Concen: 1.310 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009875.D
 Acq: 25 Mar 2019 21:10

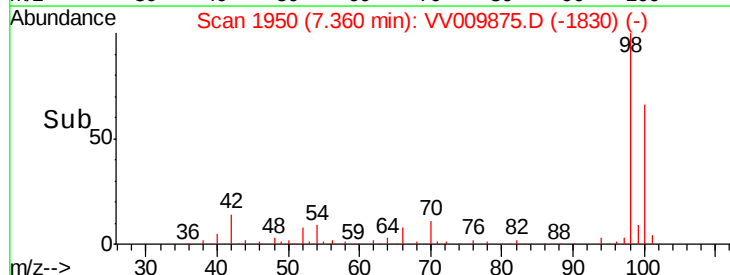
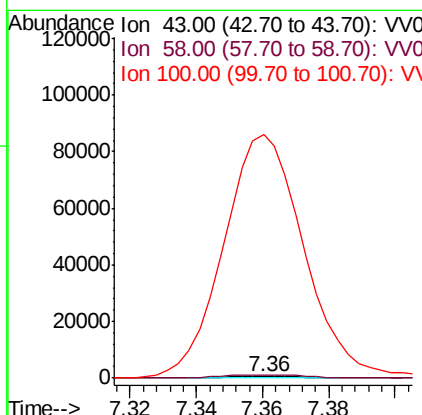
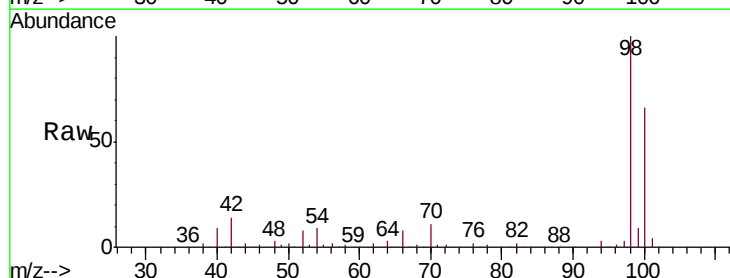
Instrument :
 MSVOA_V
 ClientSampleID :
 C0987DL

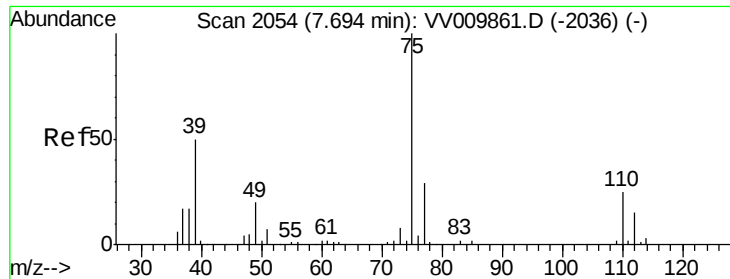
Tgt Ion: 75 Resp: 2517
 Ion Ratio Lower Upper
 75 100
 77 44.4 20.5 38.1#



#40
 4-Methyl-2-pentanone
 Concen: 0.521 ug/L
 RT: 7.36 min Scan# 1950
 Delta R.T. 0.09 min
 Lab File: VV009875.D
 Acq: 25 Mar 2019 21:10

Tgt Ion: 43 Resp: 951
 Ion Ratio Lower Upper
 43 100
 58 129.8 29.8 44.8#
 100 15360.4 12.2 18.4#





#44

trans-1,3-Dichloropropene

Concen: 0.658 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.04 min

Lab File: VV009875.D

Acq: 25 Mar 2019 21:10

Instrument :

MSVOA_V

ClientSampleId :

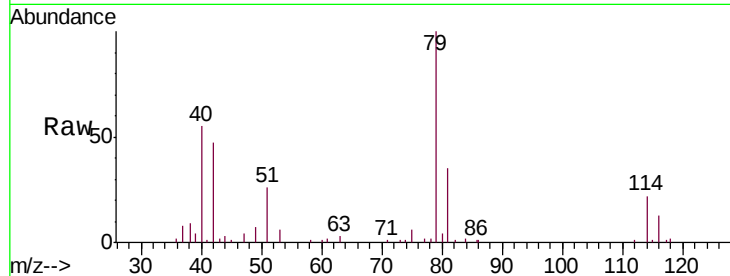
C0987DL

Tgt Ion: 75 Resp: 1175

Ion Ratio Lower Upper

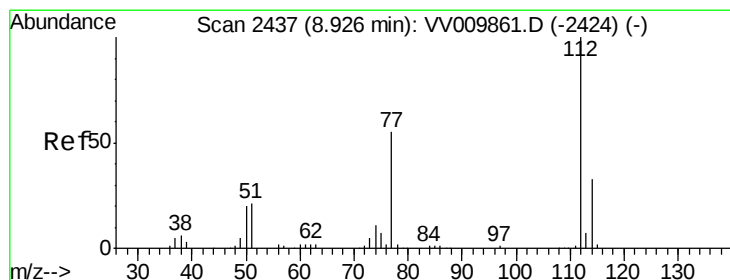
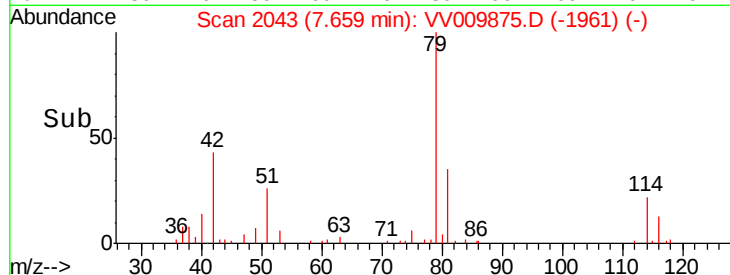
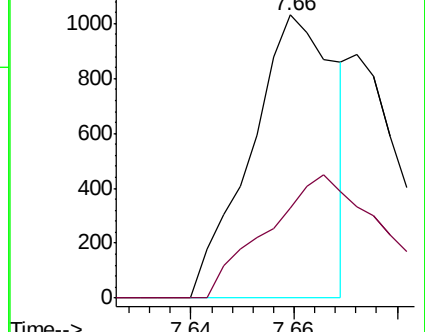
75 100

77 31.9 20.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV009861.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009861.D (-2036) (-)



#51

Chlorobenzene

Concen: 128.851 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009875.D

Acq: 25 Mar 2019 21:10

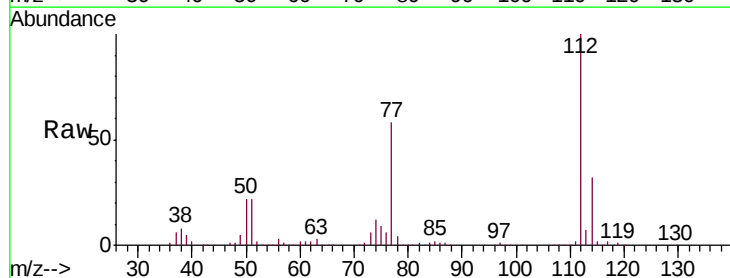
Tgt Ion: 112 Resp: 506290

Ion Ratio Lower Upper

112 100

114 31.7 23.3 43.3

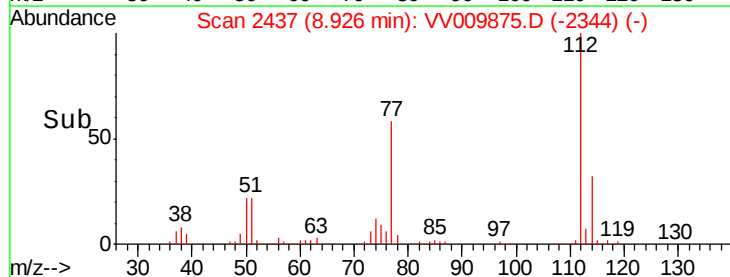
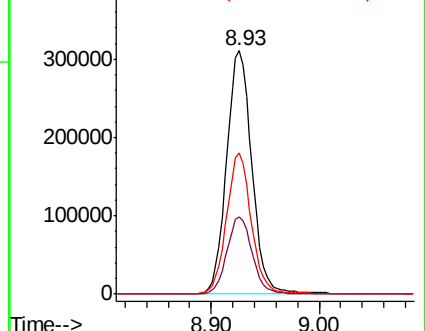
77 57.8 45.8 68.6

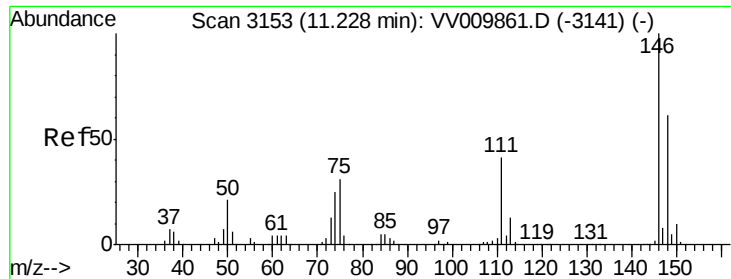


Abundance Ion 112.00 (111.70 to 112.70): VV009861.D (-2424) (-)

Ion 114.00 (113.70 to 114.70): VV009861.D (-2424) (-)

Ion 77.00 (76.70 to 77.70): VV009861.D (-2424) (-)





#62

1,3-Dichlorobenzene

Concen: 5.386 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV009875.D

Acq: 25 Mar 2019 21:10

Instrument :

MSVOA_V

ClientSampleId :

C0987DL

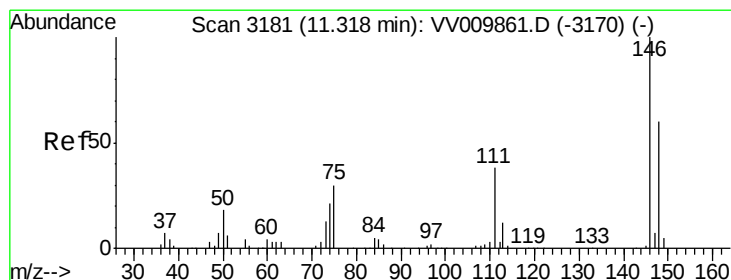
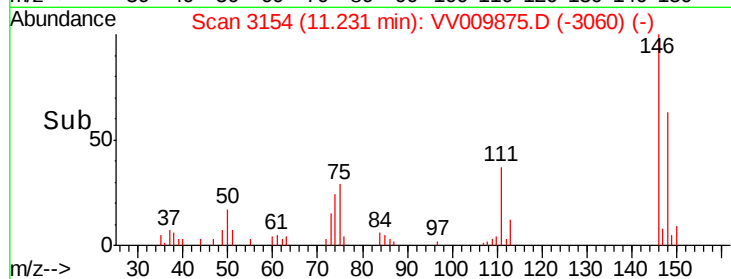
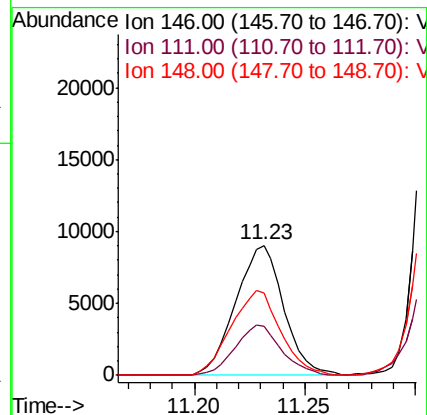
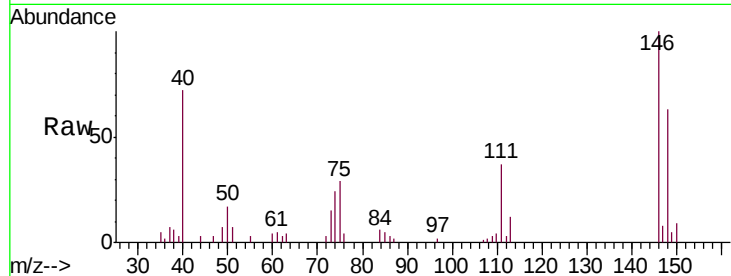
Tgt Ion:146 Resp: 13649

Ion Ratio Lower Upper

146 100

111 37.4 27.5 51.1

148 63.3 43.0 80.0



#63

1,4-Dichlorobenzene

Concen: 49.283 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009875.D

Acq: 25 Mar 2019 21:10

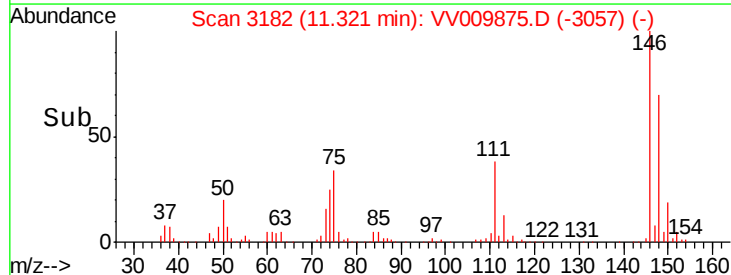
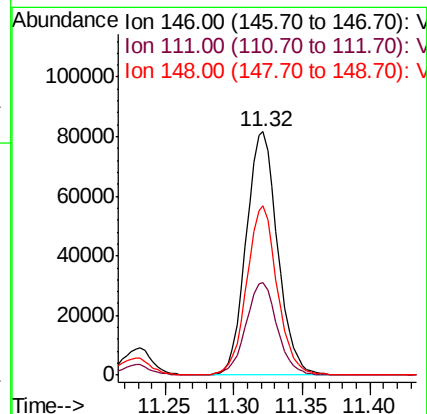
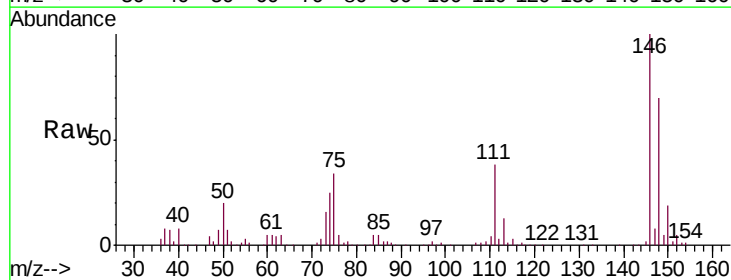
Tgt Ion:146 Resp: 130951

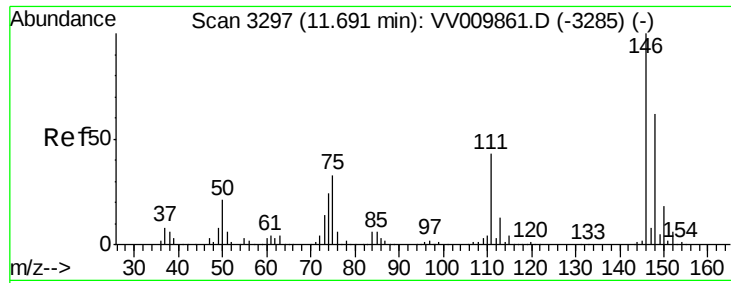
Ion Ratio Lower Upper

146 100

111 37.9 26.5 49.3

148 69.6 43.2 80.2





#65

1,2-Dichlorobenzene

Concen: 64.167 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009875.D

Acq: 25 Mar 2019 21:10

Instrument :

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ClientSampled :

C0987DL

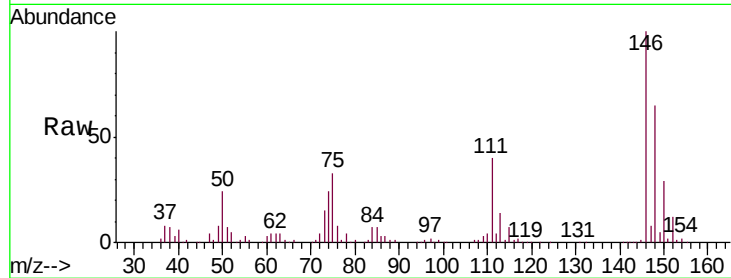
Tgt Ion:146 Resp: 171799

Ion Ratio Lower Upper

146 100

111 39.9 33.0 49.6

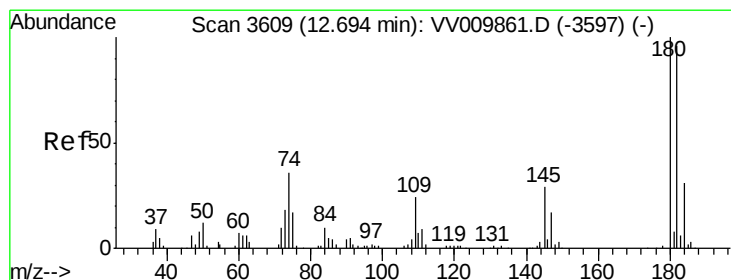
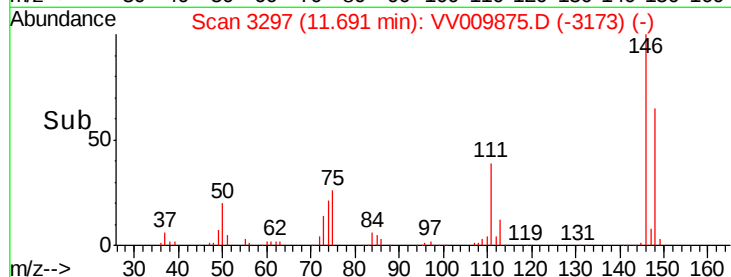
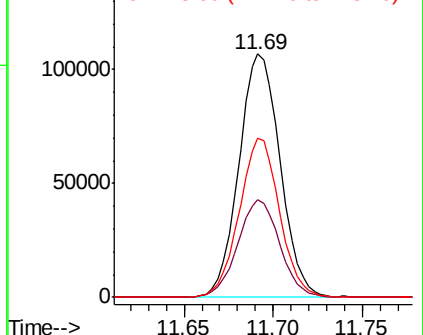
148 65.4 53.2 79.8



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



#67

1,3,5-Trichlorobenzene

Concen: 7.776 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.62 min

Lab File: VV009875.D

Acq: 25 Mar 2019 21:10

Tgt Ion:180 Resp: 13445

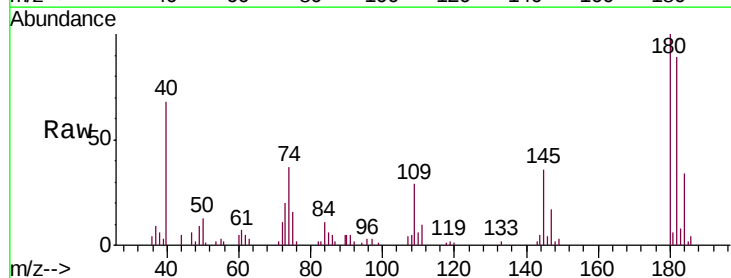
Ion Ratio Lower Upper

180 100

182 96.7 75.0 112.6

184 34.6 24.1 36.1

145 34.4 24.2 36.4

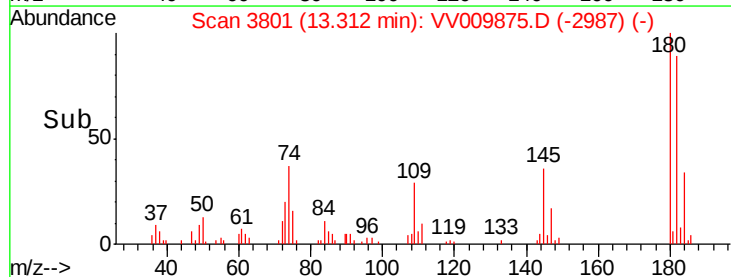
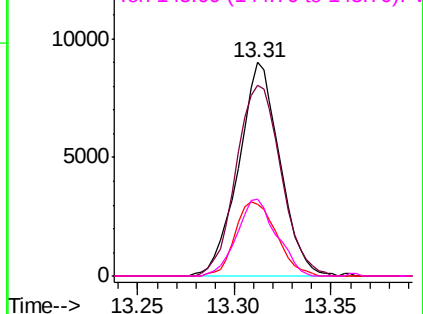


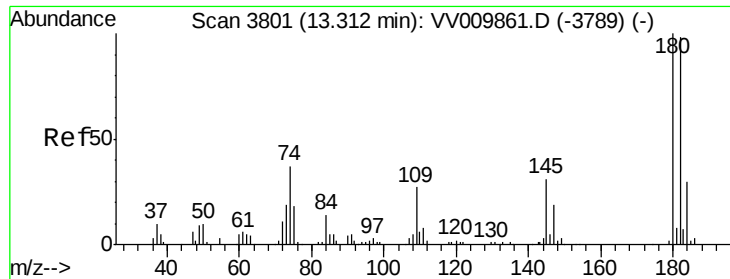
Abundance Ion 180.00 (179.70 to 180.70): V

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

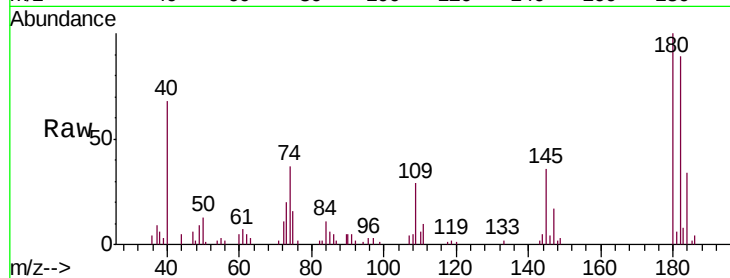




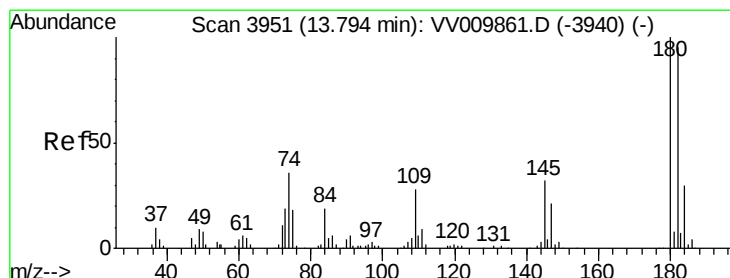
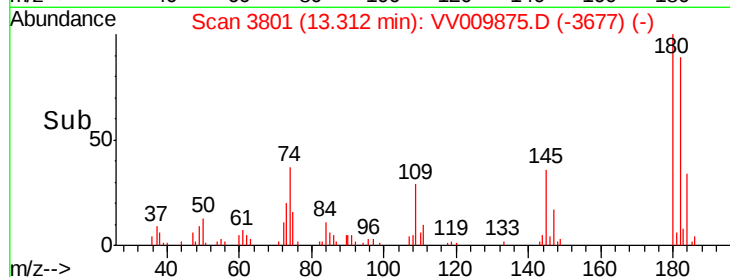
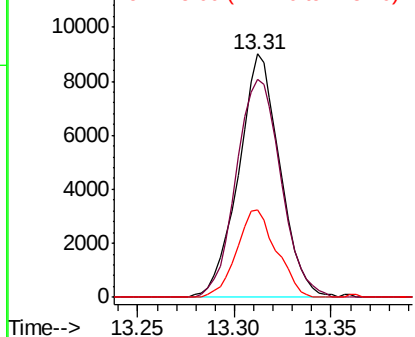
#68
 1,2,4-trichlorobenzene
 Concen: 9.759 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009875.D
 Acq: 25 Mar 2019 21:10

Instrument :
 MSVOA_V
 ClientSampleId :
 C0987DL

Tgt Ion:180 Resp: 13445
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.1 115.7
 145 34.4 24.3 36.5

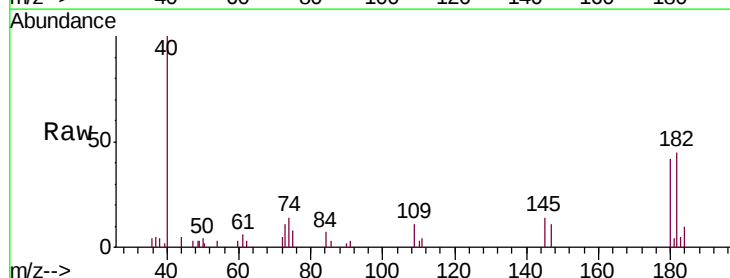


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 2.798 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV009875.D
 Acq: 25 Mar 2019 21:10

Tgt Ion:180 Resp: 3900
 Ion Ratio Lower Upper
 180 100
 182 103.1 75.6 113.4
 145 29.2 24.8 37.2



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

