

Data File : VV009769.D
Acq On : 18 Mar 2019 19:25
Operator : SY/MD
Sample : K1967-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09C3

Quant Time: Mar 19 04:35:59 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	138891	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	129932	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	50476	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39974	42.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.38%
7) Chloroethane-d5	1.56	69	33124	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.88%
11) 1,1-Dichloroethene-d2	2.12	63	69211	34.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.42%
21) 2-Butanone-d5	3.93	46	54241	97.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.24%
24) Chloroform-d	4.40	84	77549	45.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.16%
26) 1,2-Dichloroethane-d4	5.08	65	49131	47.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.10%
32) Benzene-d6	5.10	84	169649	49.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.94%
36) 1,2-Dichloropropane-d6	6.12	67	50319	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.36%
41) Toluene-d8	7.36	98	157160	48.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.22%
43) trans-1,3-Dichloropropene-	7.66	79	22054	45.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.24%
47) 2-Hexanone-d5	8.13	63	40203	95.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.56%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	73377	46.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.58%
64) 1,2-Dichlorobenzene-d4	11.68	152	53418	52.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

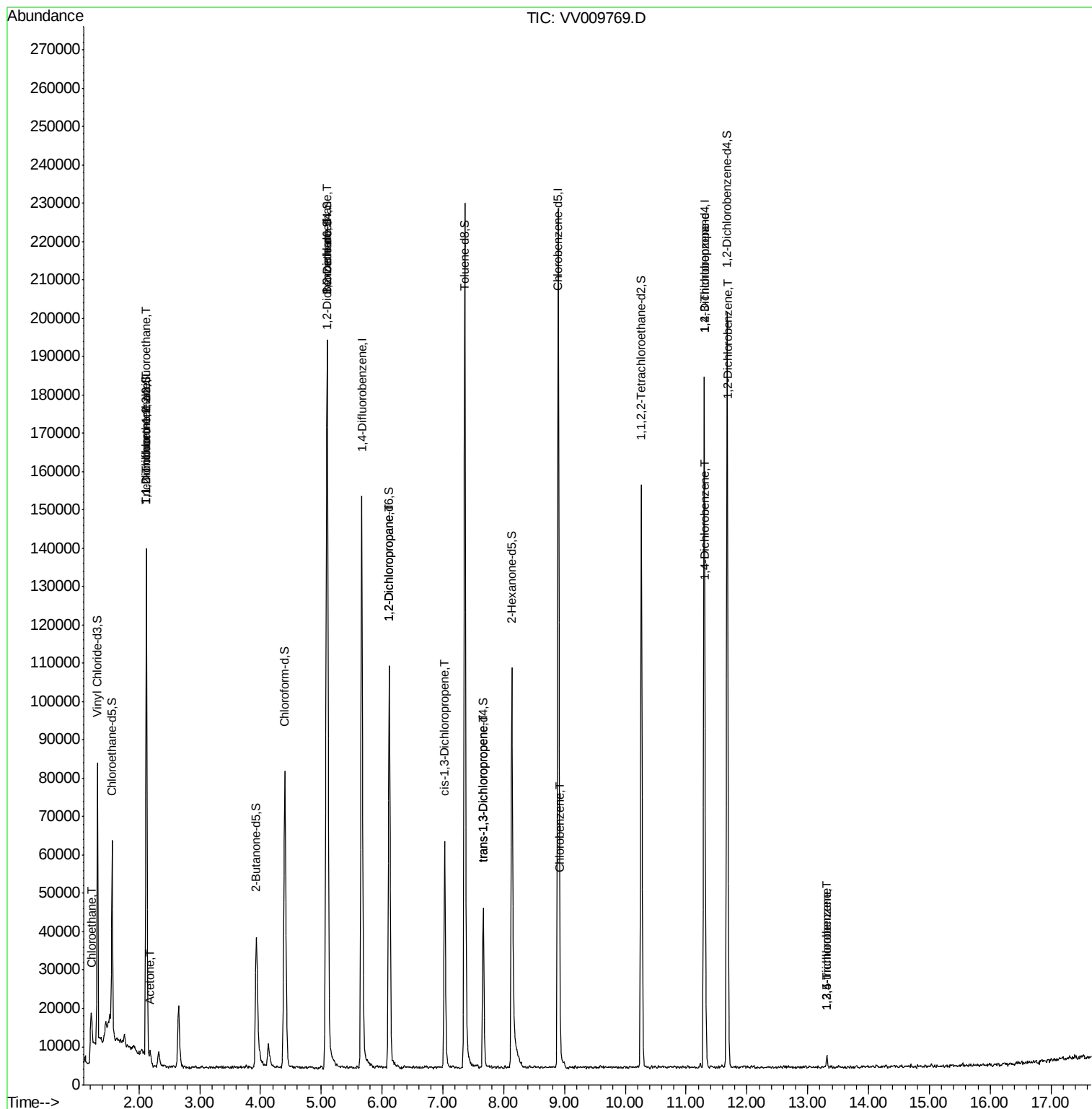
						Qvalue
8) Chloroethane	1.21	64	16711	26.663	ug/L #	51
9) Trichlorofluoromethane	2.13	101	672	0.389	ug/L #	39
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	672	0.703	ug/L #	19
13) Acetone	2.19	43	1826	3.456	ug/L	88
27) 1,2-Dichloroethane	5.10	62	1006	0.788	ug/L #	74
37) 1,2-Dichloropropane	6.12	63	5535	6.120	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	1682	1.218	ug/L #	74
44) trans-1,3-Dichloropropene	7.66	75	1141	0.872	ug/L #	80
51) Chlorobenzene	8.93	112	2164	0.816	ug/L #	82
59) 1,2,3-Trichloropropane	11.30	75	6956	5.846	ug/L	92
63) 1,4-Dichlorobenzene	11.32	146	2224	1.331	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	1643	0.972	ug/L	95
67) 1,3,5-Trichlorobenzene	13.31	180	1309	1.243	ug/L #	83
68) 1,2,4-trichlorobenzene	13.31	180	1309	1.773	ug/L #	82

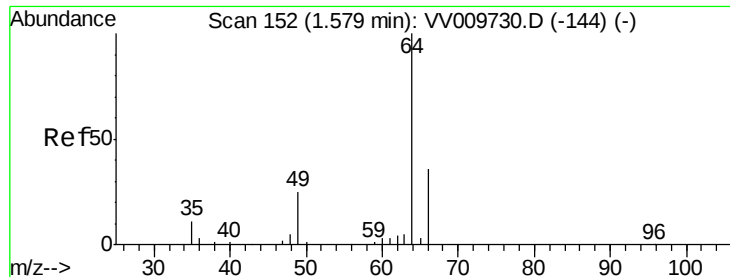
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 26.663 ug/L

RT: 1.21 min Scan# 38

Delta R.T. -0.37 min

Lab File: VV009769.D

Acq: 18 Mar 2019 19:25

Instrument :

MSVOA_V

ClientSampleId :

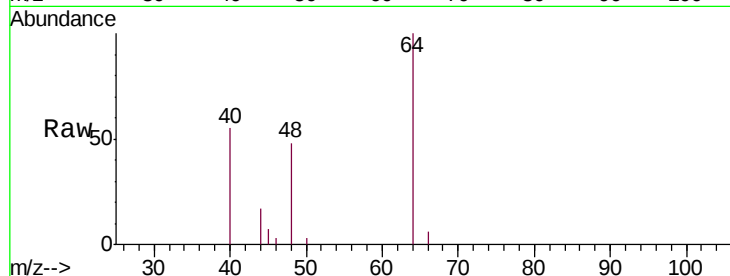
C09C3

Tgt Ion: 64 Resp: 16711

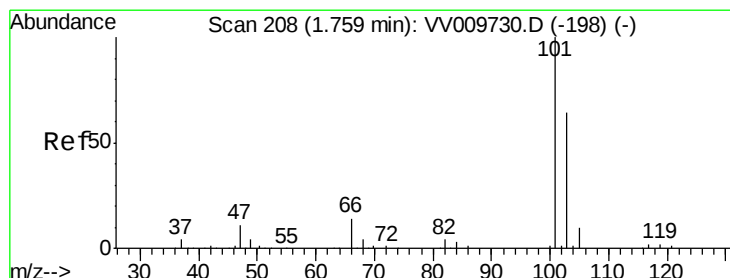
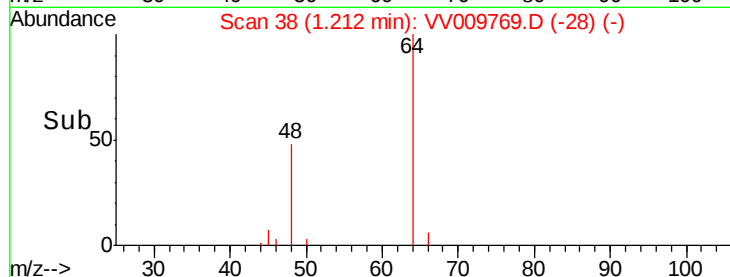
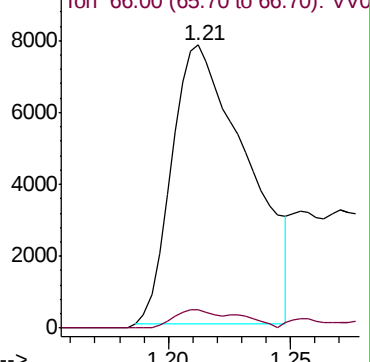
Ion Ratio Lower Upper

64 100

66 6.4 24.5 45.5#



Abundance Ion 64.00 (63.70 to 64.70): VV009730.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 0.389 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.37 min

Lab File: VV009769.D

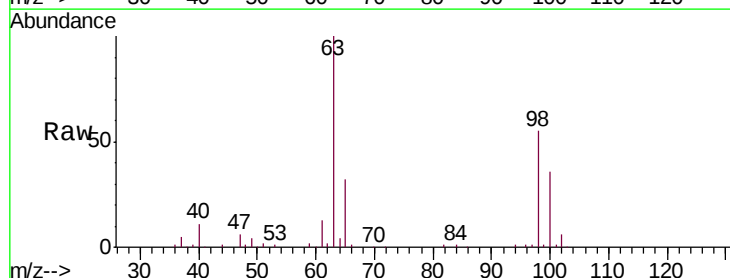
Acq: 18 Mar 2019 19:25

Tgt Ion: 101 Resp: 672

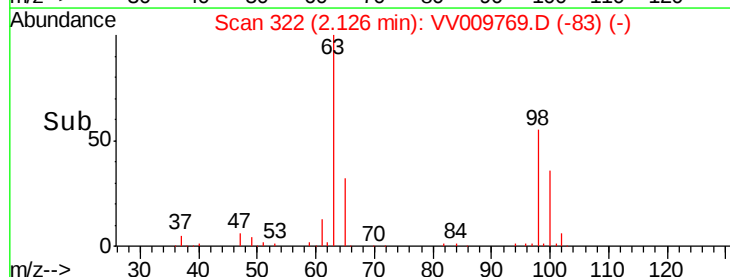
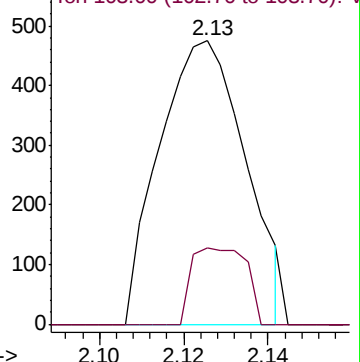
Ion Ratio Lower Upper

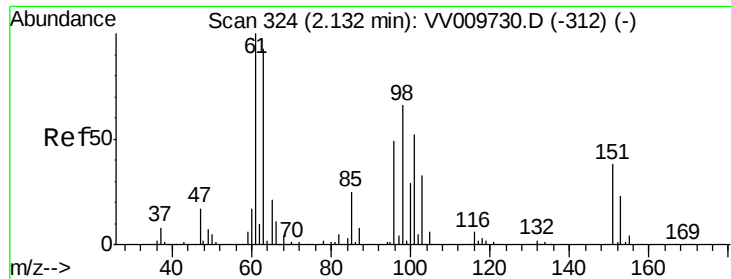
101 100

103 17.1 52.3 78.5#



Abundance Ion 101.00 (100.70 to 101.70): VV009730.D (-198) (-)





#10

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

Concen: 0.703 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009769.D

Acq: 18 Mar 2019 19:25

Instrument :

MSVOA_V

ClientSampled :

C09C3

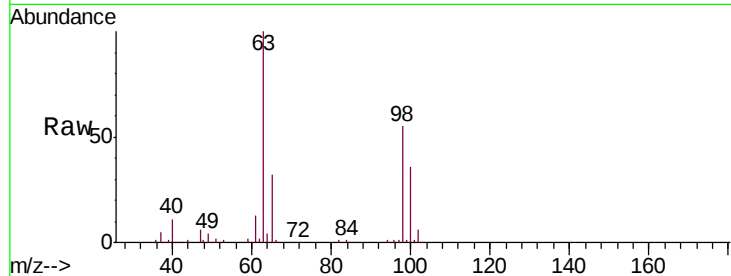
Tgt Ion:101 Resp: 672

Ion Ratio Lower Upper

101 100

85 0.0 38.5 57.7#

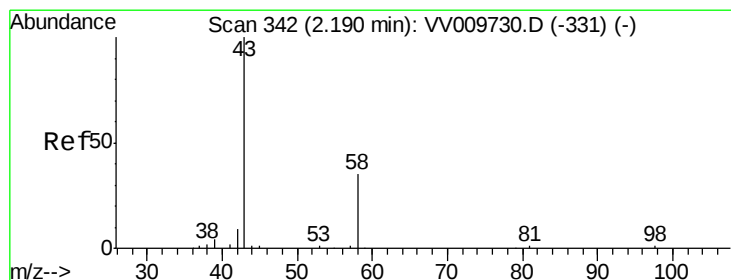
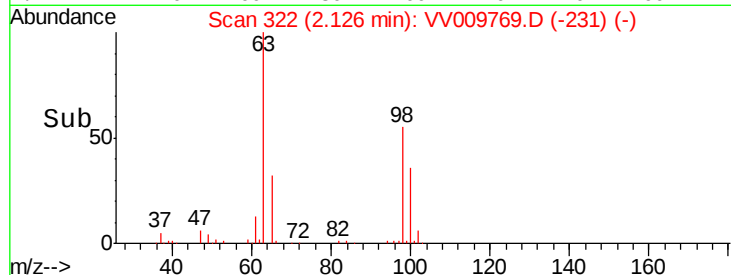
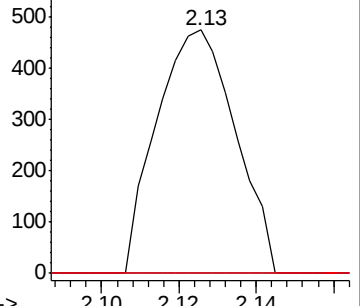
151 0.0 58.9 88.3#



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



#13

Acetone

Concen: 3.456 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV009769.D

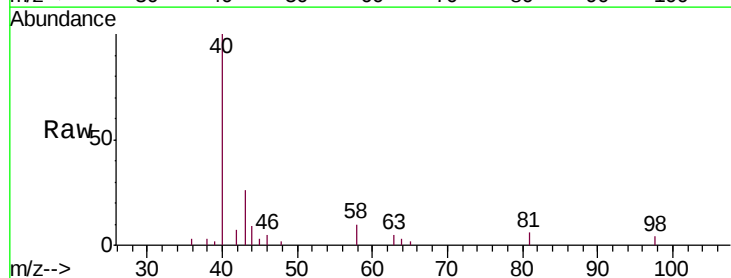
Acq: 18 Mar 2019 19:25

Tgt Ion: 43 Resp: 1826

Ion Ratio Lower Upper

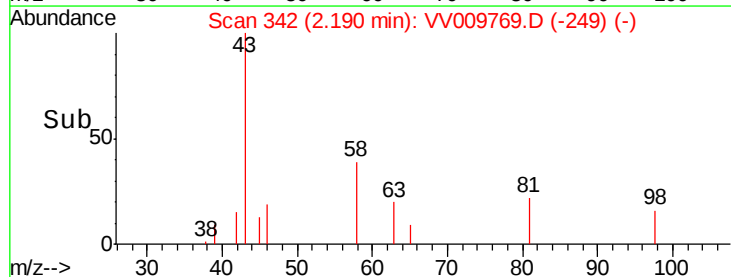
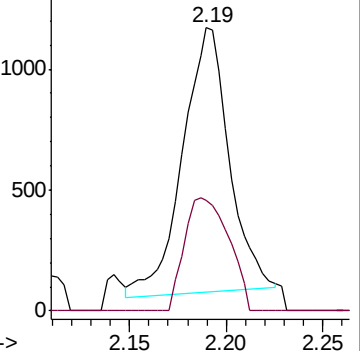
43 100

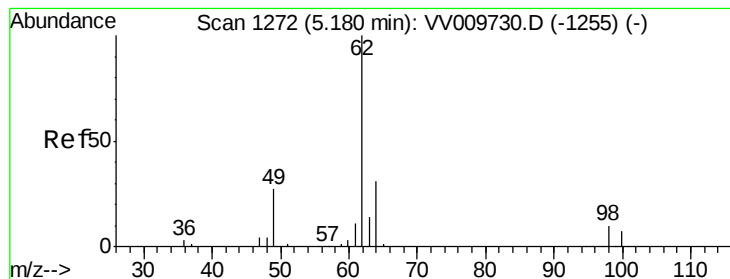
58 40.7 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#27

1,2-Dichloroethane

Concen: 0.788 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.08 min

Lab File: VV009769.D

Acq: 18 Mar 2019 19:25

Instrument :

MSVOA_V

ClientSampled :

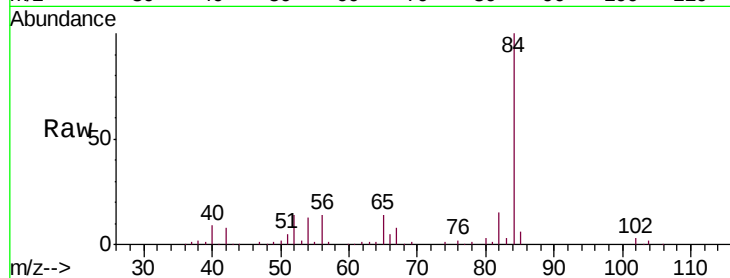
C09C3

Tgt Ion: 62 Resp: 1006

Ion Ratio Lower Upper

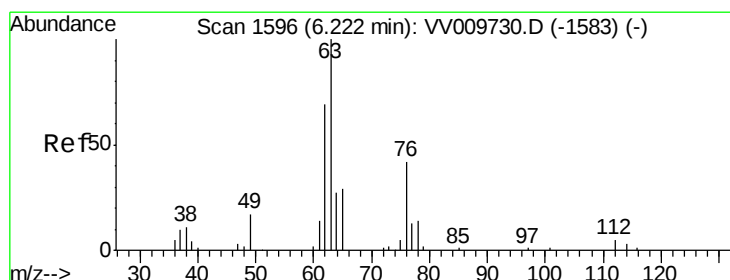
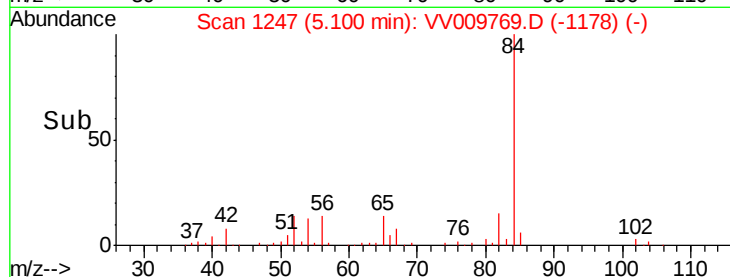
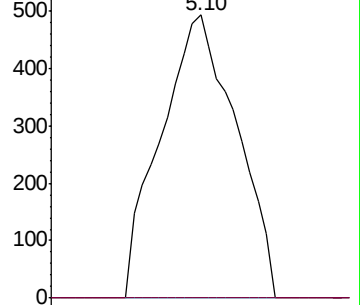
62 100

98 0.0 7.8 11.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#37

1,2-Dichloropropane

Concen: 6.120 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV009769.D

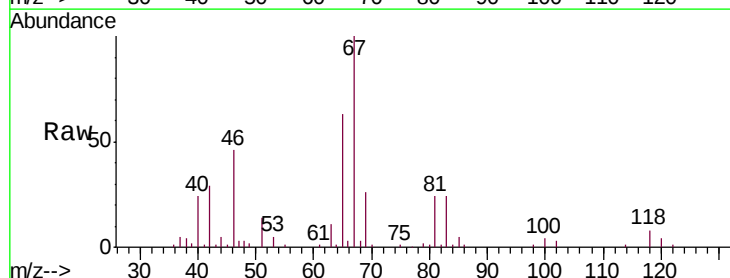
Acq: 18 Mar 2019 19:25

Tgt Ion: 63 Resp: 5535

Ion Ratio Lower Upper

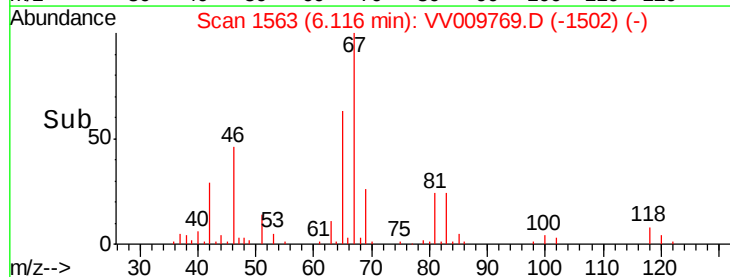
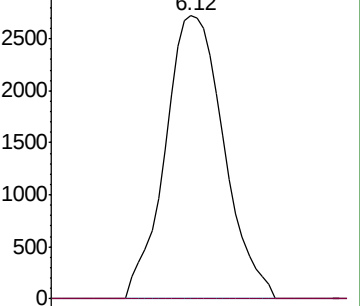
63 100

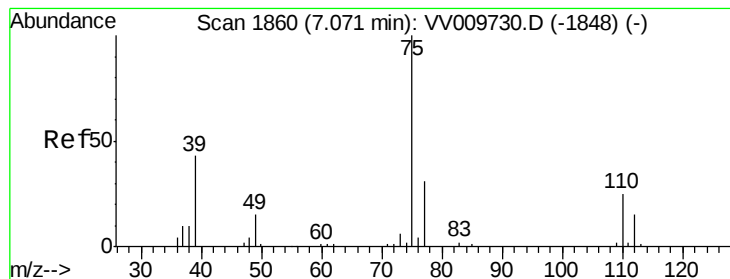
112 0.0 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



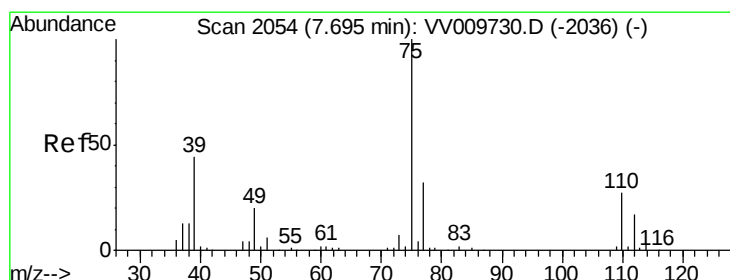
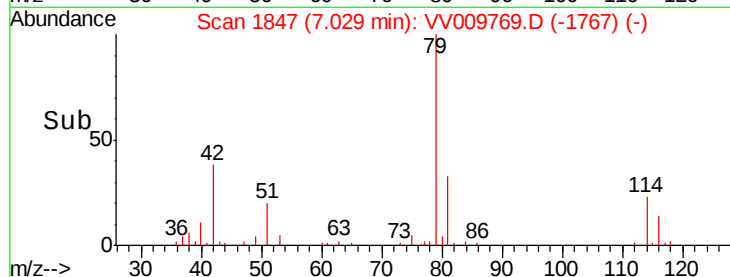
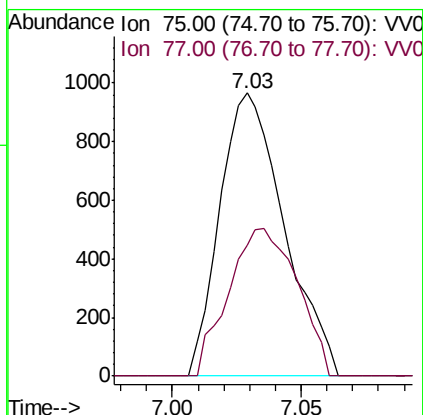
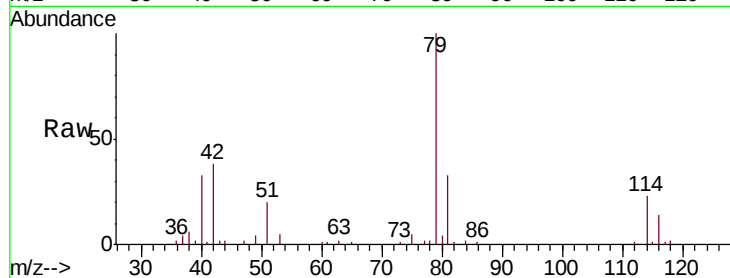


#39

cis-1,3-Dichloropropene
Concen: 1.218 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009769.D
Acq: 18 Mar 2019 19:25

Instrument :
MSVOA_V
ClientSampled :
C09C3

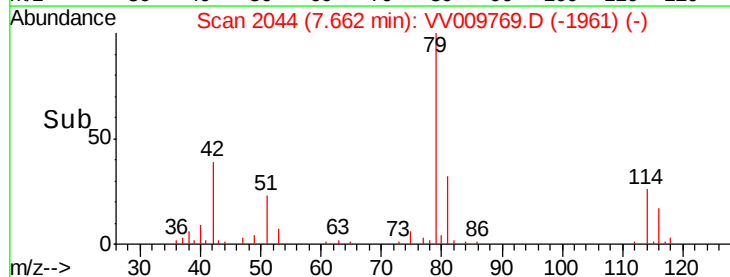
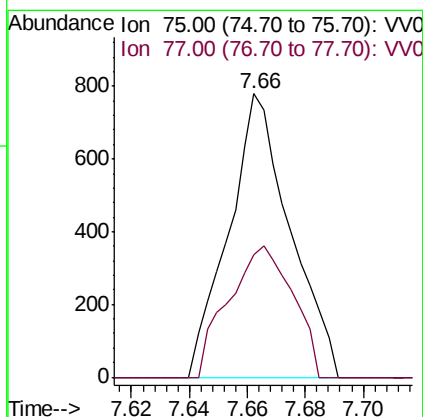
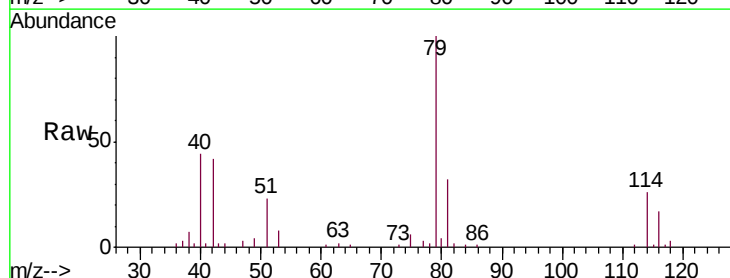
Tgt Ion: 75 Resp: 1682
Ion Ratio Lower Upper
75 100
77 46.5 22.4 41.6#

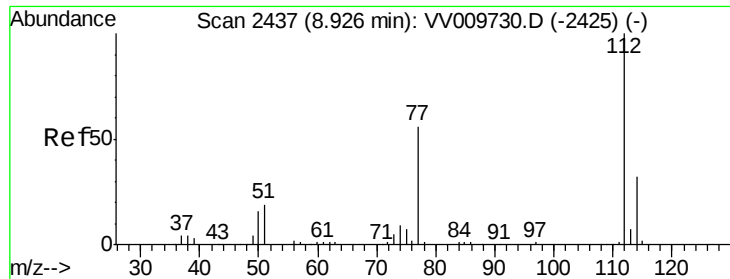


#44

trans-1,3-Dichloropropene
Concen: 0.872 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV009769.D
Acq: 18 Mar 2019 19:25

Tgt Ion: 75 Resp: 1141
Ion Ratio Lower Upper
75 100
77 43.0 22.5 41.7#





#51

Chlorobenzene

Concen: 0.816 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV009769.D

Acq: 18 Mar 2019 19:25

Instrument :

MSVOA_V

ClientSampleId :

C09C3

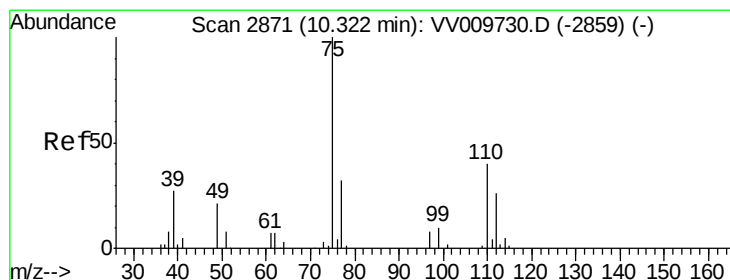
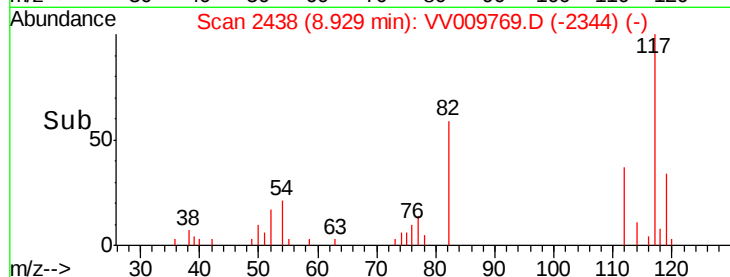
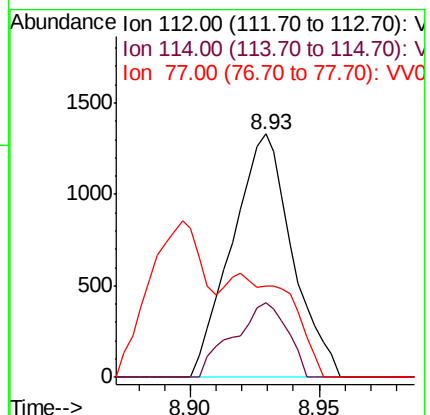
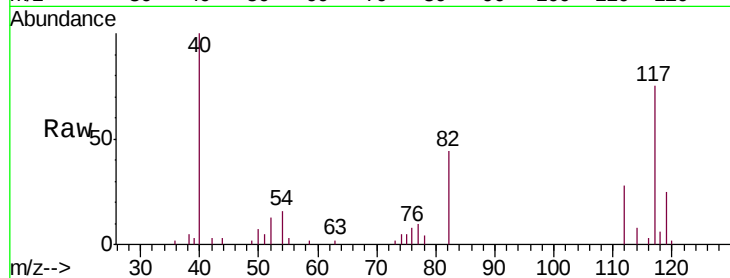
Tgt Ion:112 Resp: 2164

Ion Ratio Lower Upper

112 100

114 30.4 22.5 41.9

77 37.4 45.4 68.2#



#59

1,2,3-Trichloropropane

Concen: 5.846 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009769.D

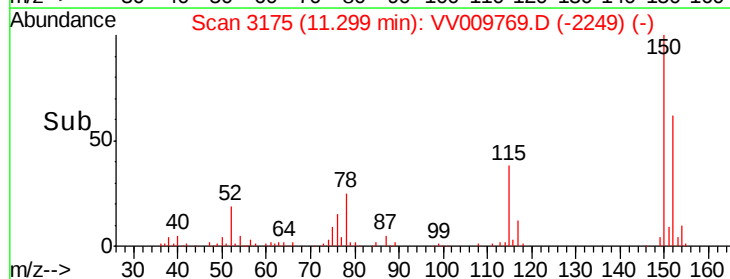
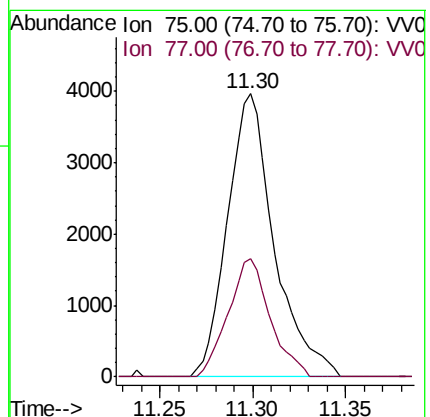
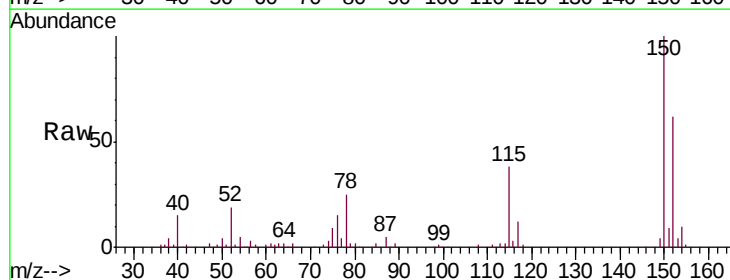
Acq: 18 Mar 2019 19:25

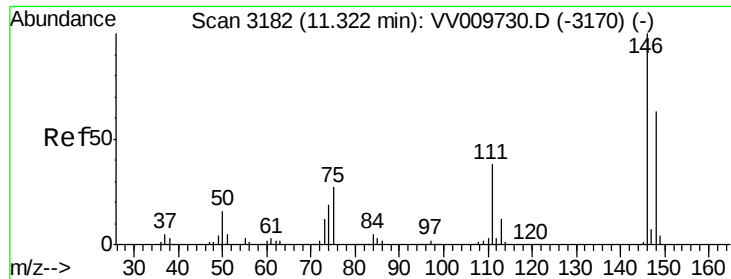
Tgt Ion: 75 Resp: 6956

Ion Ratio Lower Upper

75 100

77 37.4 26.2 39.4

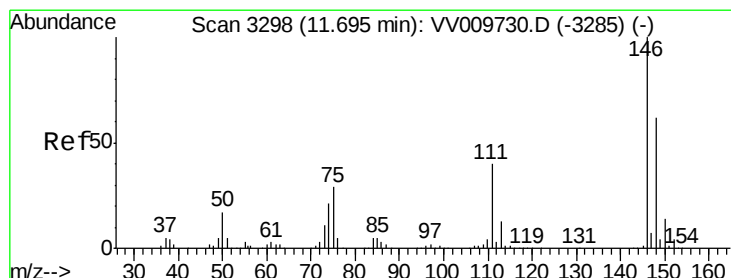
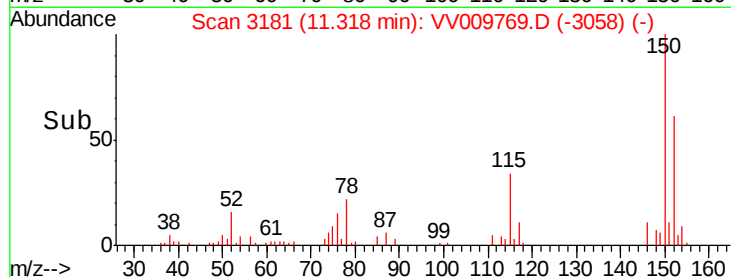
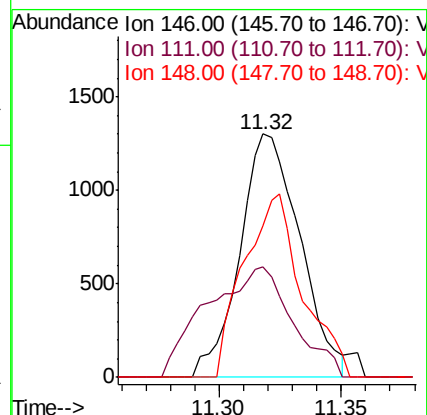
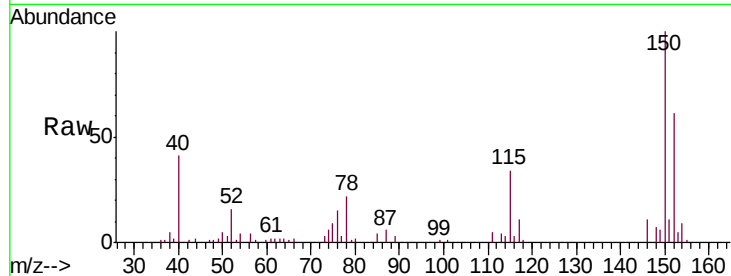




#63
 1,4-Dichlorobenzene
 Concen: 1.331 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009769.D
 Acq: 18 Mar 2019 19:25

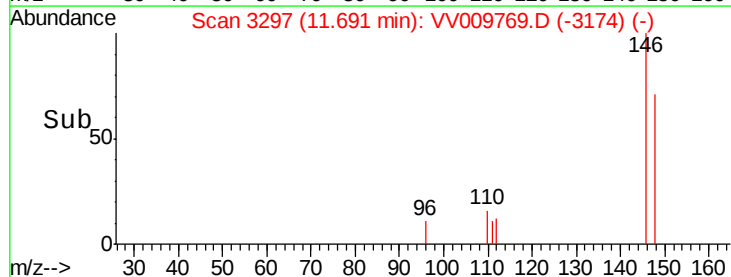
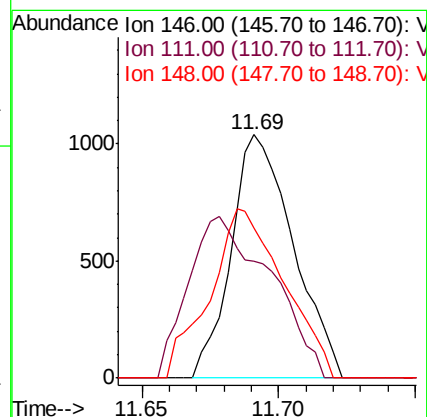
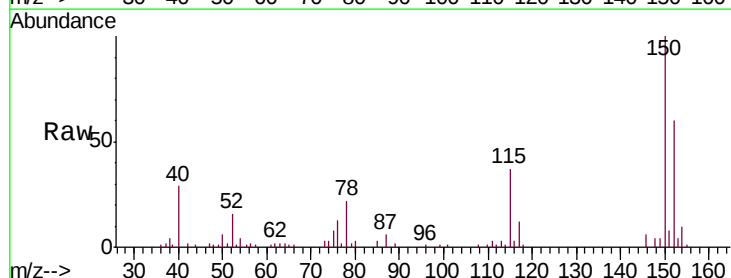
Instrument :
 MSVOA_V
 ClientSampleId :
 C09C3

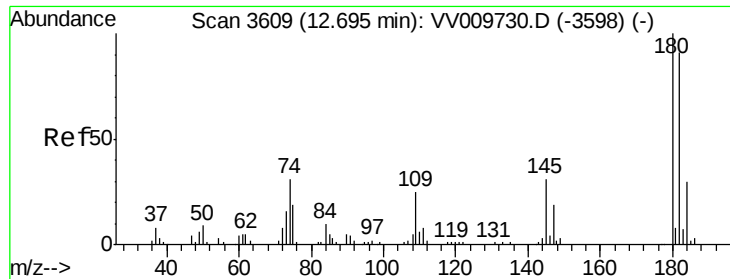
Tgt Ion:146 Resp: 2224
 Ion Ratio Lower Upper
 146 100
 111 45.4 26.7 49.5
 148 62.1 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 0.972 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009769.D
 Acq: 18 Mar 2019 19:25

Tgt Ion:146 Resp: 1643
 Ion Ratio Lower Upper
 146 100
 111 48.3 32.2 48.4
 148 61.8 49.6 74.4

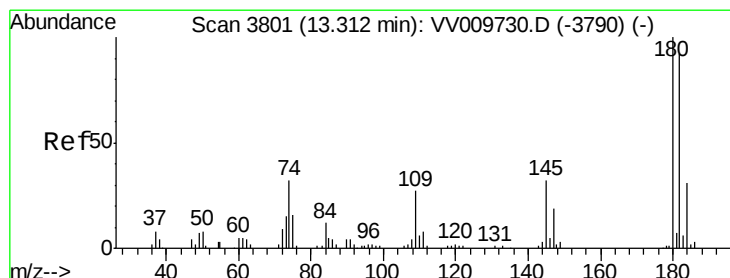
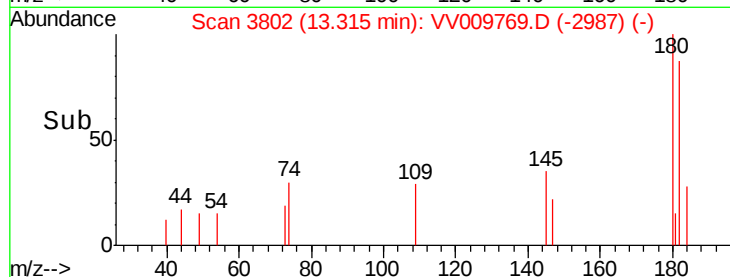
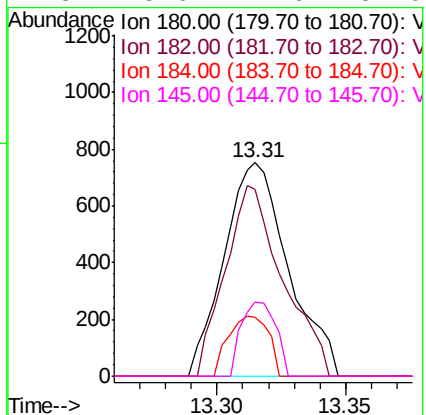
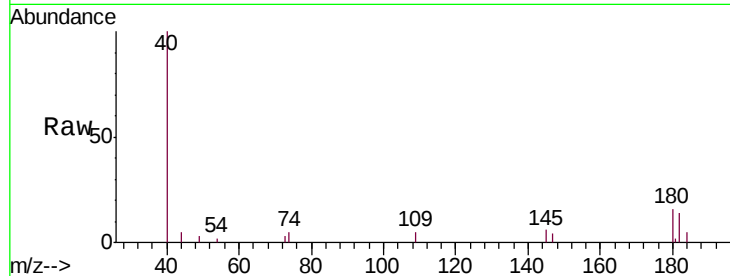




#67
 1,3,5-Trichlorobenzene
 Concen: 1.243 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.62 min
 Lab File: VV009769.D
 Acq: 18 Mar 2019 19:25

Instrument :
 MSVOA_V
 ClientSampleId :
 C09C3

Tgt Ion:180 Resp: 1309
 Ion Ratio Lower Upper
 180 100
 182 79.5 73.9 110.9
 184 17.5 23.4 35.2#
 145 18.6 24.6 37.0#



#68
 1,2,4-trichlorobenzene
 Concen: 1.773 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009769.D
 Acq: 18 Mar 2019 19:25

Tgt Ion:180 Resp: 1309
 Ion Ratio Lower Upper
 180 100
 182 79.5 75.7 113.5
 145 18.6 25.3 37.9#

