

Data File : VV011909.D
Acq On : 17 Jul 2019 14:08
Operator : SY/MD
Sample : K3823-04
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52W0

Quant Time: Jul 18 02:20:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	164547	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	156432	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	71314	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60788	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.58	69	51451	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.13	63	79116	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	3.94	46	154298	50.55	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.10%
24) Chloroform-d	4.40	84	113981	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.08	65	63819	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.10	84	234368	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.12	67	71129	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.36	98	203170	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.67	79	24010	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.14	63	94947	45.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.42%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37175	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	74531	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	845	0.089	ug/L #	20
12) 1,1-Dichloroethene	2.14	96	968	0.110	ug/L #	1
13) Acetone	2.19	43	141937	91.629	ug/L	97
15) Methyl Acetate	2.19	43	131523	39.932	ug/L #	53
16) Methylene chloride	2.53	84	1195	0.130	ug/L	78
21) 2-Butanone	4.03	43	70139	23.094	ug/L	98
25) Chloroform	4.43	83	3782	0.151	ug/L	86
35) Methylcyclohexane	6.12	83	16580	0.803	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	8432	0.706	ug/L #	88
40) 4-Methyl-2-pentanone	7.28	43	10461	1.457	ug/L #	89
44) trans-1,3-Dichloropropene	7.67	75	1329	0.102	ug/L	99
48) 2-Hexanone	8.18	43	9630	1.874	ug/L #	95
58) 1,1,2,2-Tetrachloroethane	10.27	83	545	0.071	ug/L #	19
63) 1,4-Dichlorobenzene	11.32	146	2720	0.115	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	2598	0.121	ug/L #	86
66) 1,2-Dibromo-3-chloropropan	12.44	75	2383	1.952	ug/L #	3
67) 1,3,5-Trichlorobenzene	12.69	180	1073	0.060	ug/L	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071719\
Quantitation Report (Not Reviewed)

Data File : VV011909.D
Acq On : 17 Jul 2019 14:08
Operator : SY/MD
Sample : K3823-04
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52W0

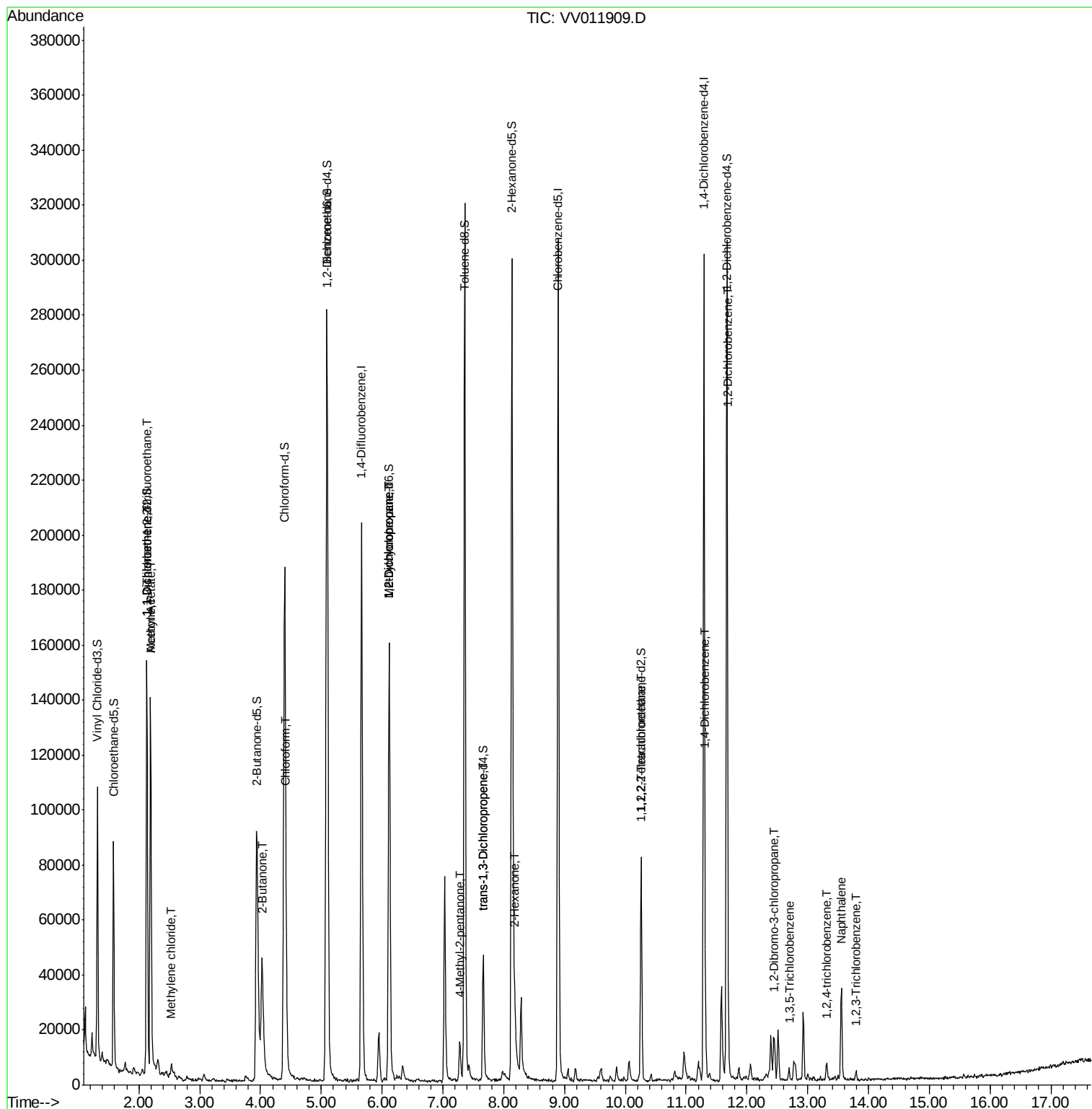
Quant Time: Jul 18 02:20:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

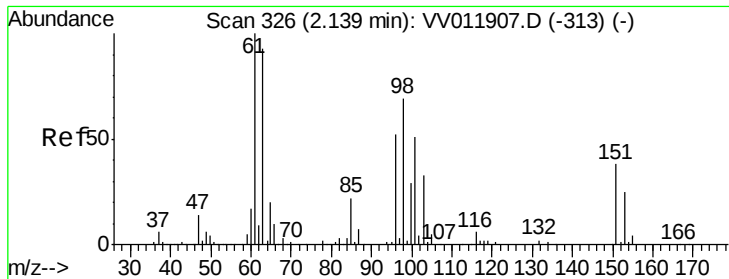
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.31	180	1440	0.101	ug/L	91
69) Naphthalene	13.55	128	24558	1.125	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	870	0.068	ug/L #	89

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

Instrument :
MSVOA_V
ClientSampleId :
A52W0

Quant Time: Jul 18 02:20:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration





#10

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

Concen: 0.089 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV011909.D

Acq: 17 Jul 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

A52W0

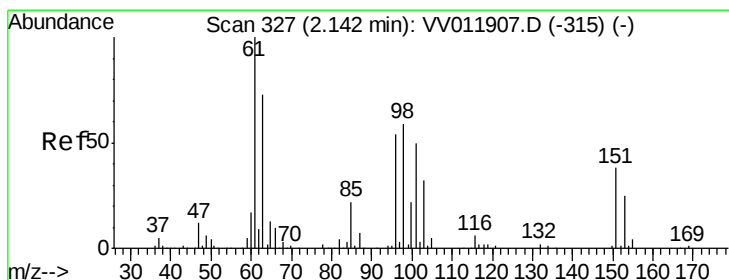
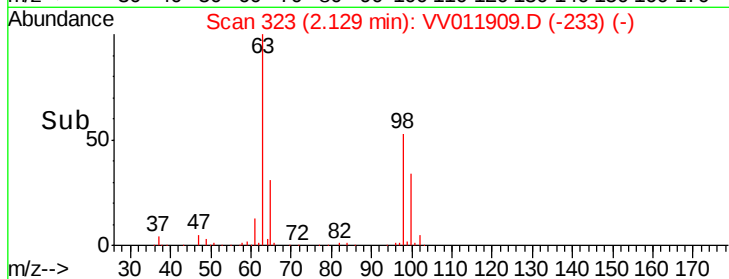
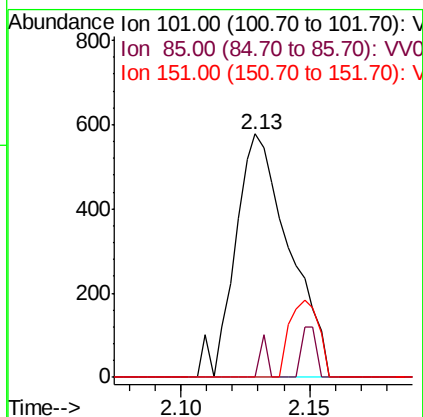
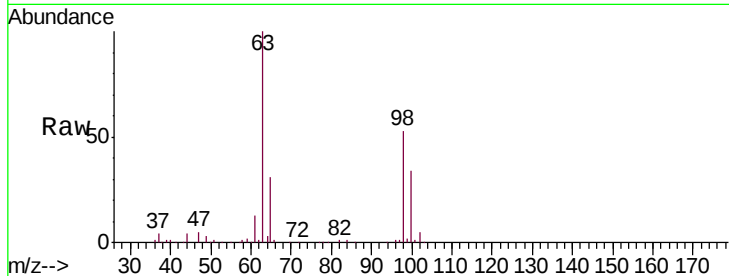
Tgt Ion: 101 Resp: 845

Ion Ratio Lower Upper

101 100

85 2.4 34.7 52.1#

151 0.0 61.5 92.3#



#12

1,1-Dichloroethene

Concen: 0.110 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV011909.D

Acq: 17 Jul 2019 14:08

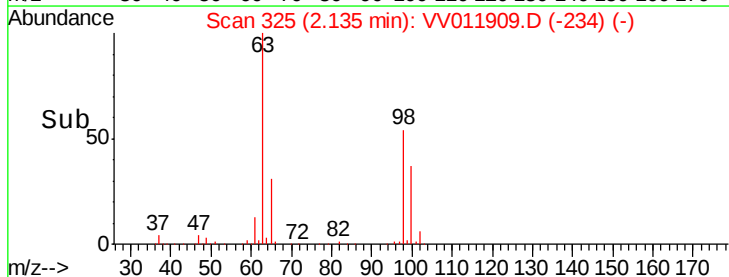
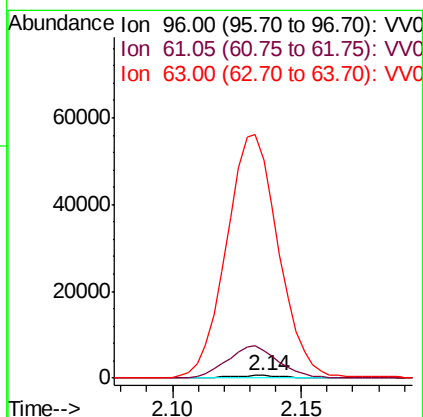
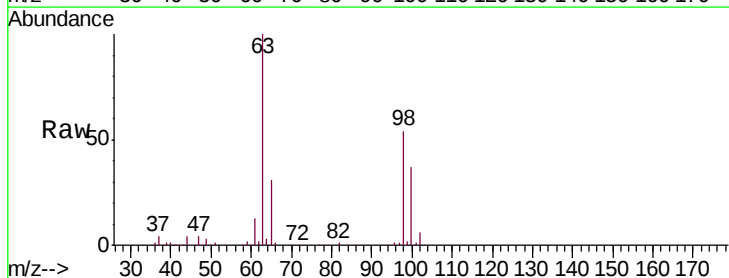
Tgt Ion: 96 Resp: 968

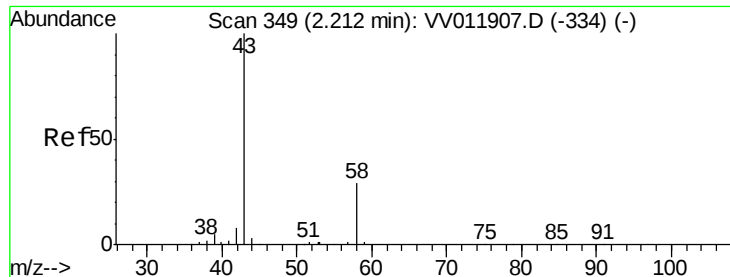
Ion Ratio Lower Upper

96 100

61 1032.1 128.9 239.3#

63 8041.0 85.5 158.9#





#13

Acetone

Concen: 91.629 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV011909.D

Acq: 17 Jul 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

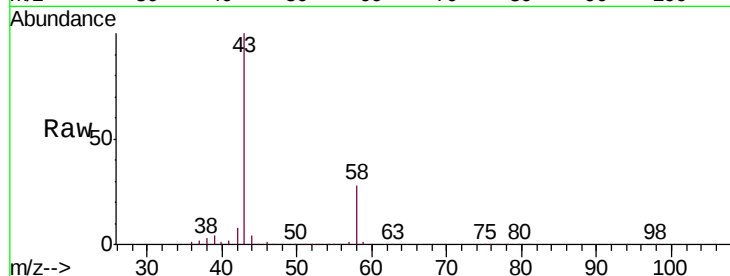
A52W0

Tgt Ion: 43 Resp: 141937

Ion Ratio Lower Upper

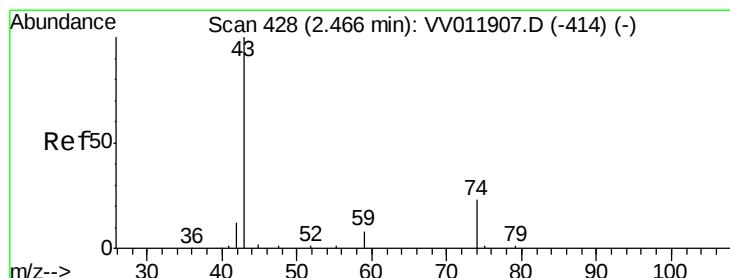
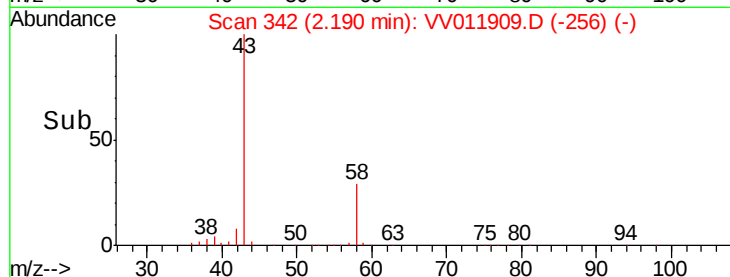
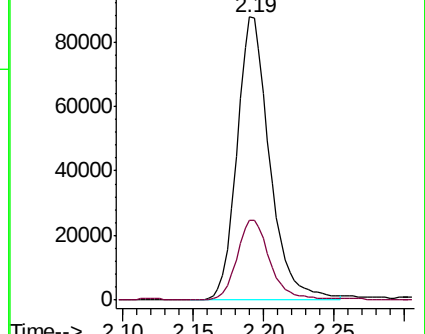
43 100

58 29.4 0.0 55.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#15

Methyl Acetate

Concen: 39.932 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.28 min

Lab File: VV011909.D

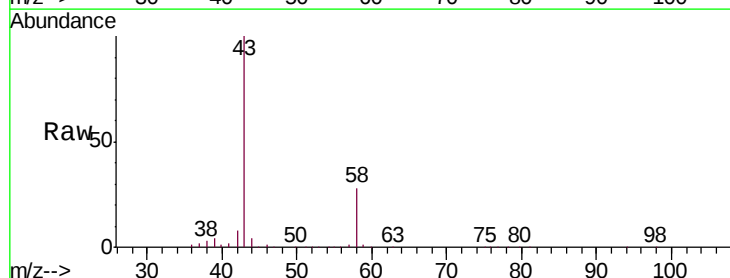
Acq: 17 Jul 2019 14:08

Tgt Ion: 43 Resp: 131523

Ion Ratio Lower Upper

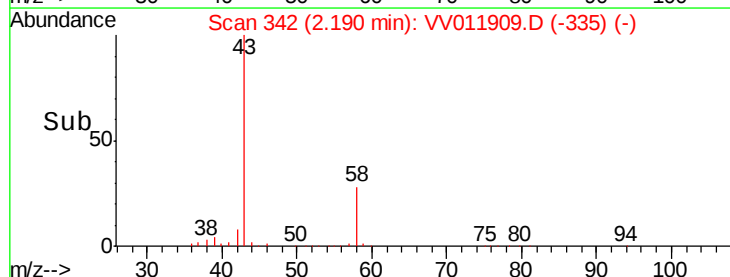
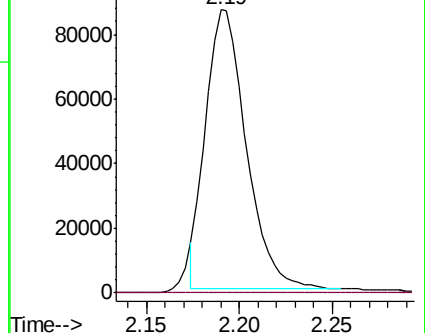
43 100

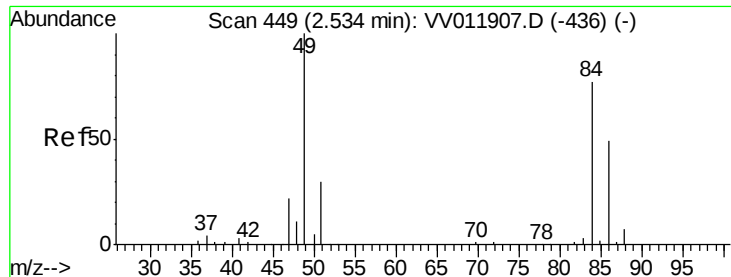
74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

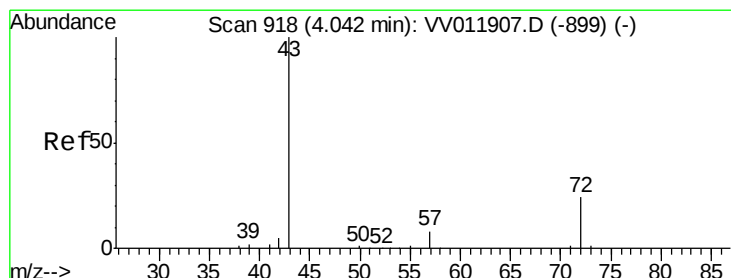
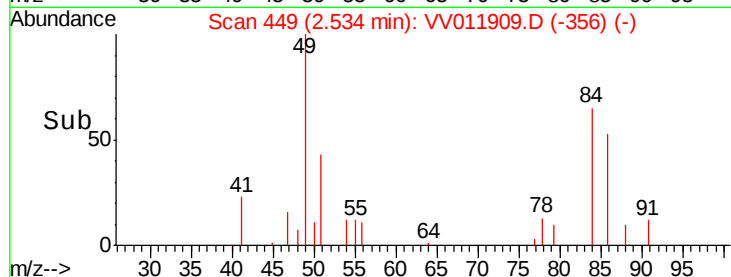
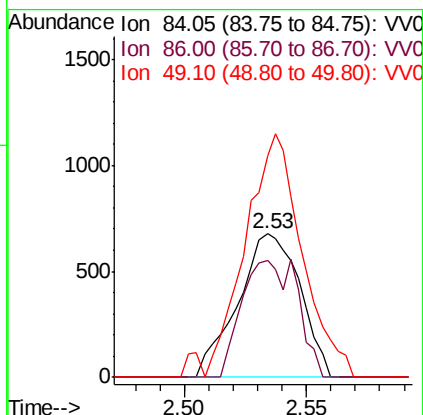
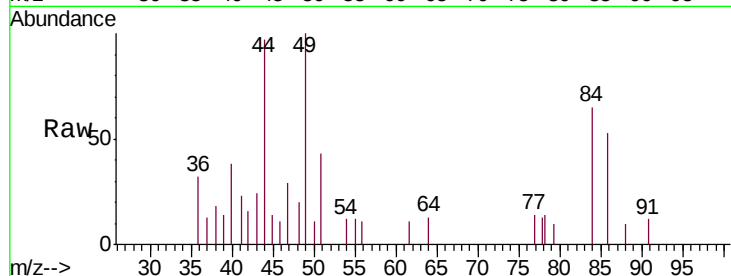




#16
Methylene chloride
Concen: 0.130 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV011909.D
Acq: 17 Jul 2019 14:08

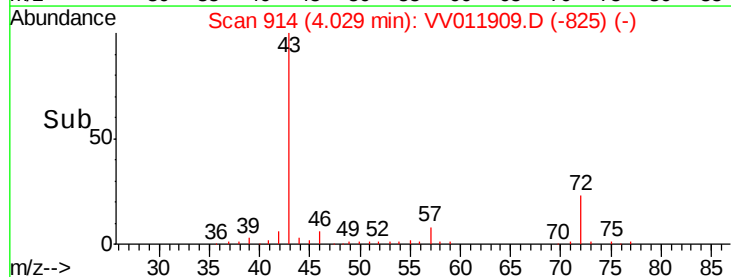
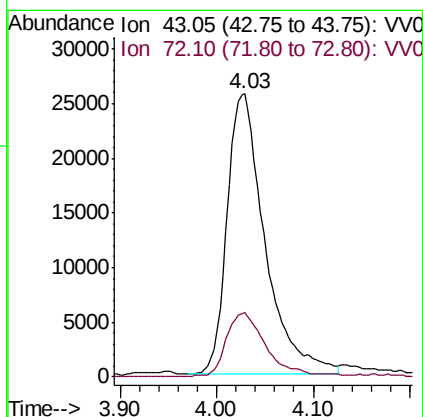
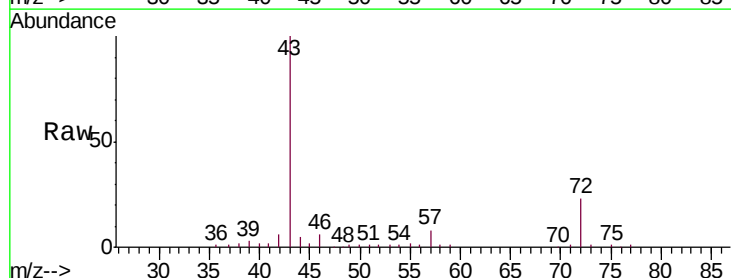
Instrument :
MSVOA_V
ClientSampled :
A52W0

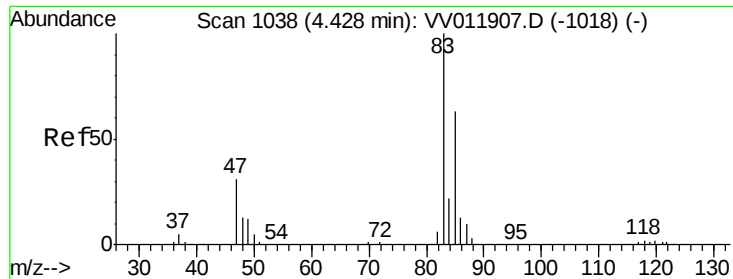
Tgt Ion: 84 Resp: 1195
Ion Ratio Lower Upper
84 100
86 81.5 44.8 83.2
49 154.7 90.4 168.0



#21
2-Butanone
Concen: 23.094 ug/L
RT: 4.03 min Scan# 914
Delta R.T. -0.01 min
Lab File: VV011909.D
Acq: 17 Jul 2019 14:08

Tgt Ion: 43 Resp: 70139
Ion Ratio Lower Upper
43 100
72 23.6 11.2 33.6

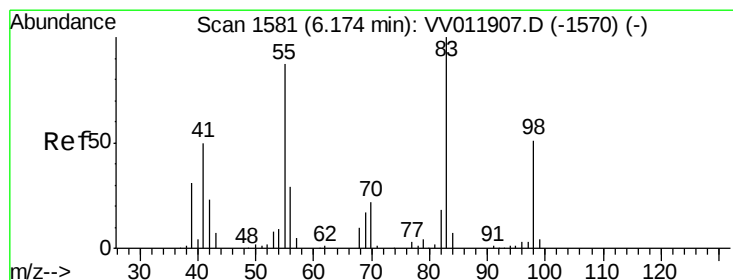
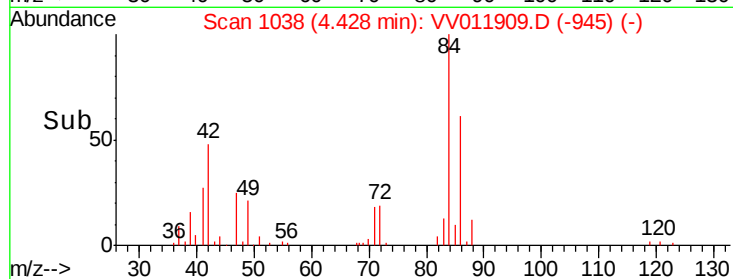
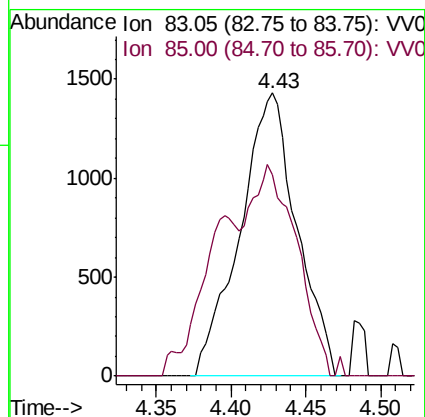
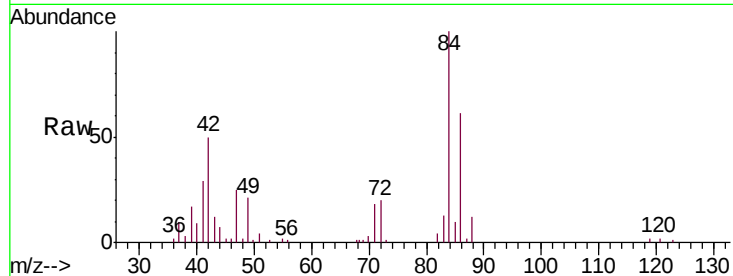




#25
Chloroform
Concen: 0.151 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011909.D
Acq: 17 Jul 2019 14:08

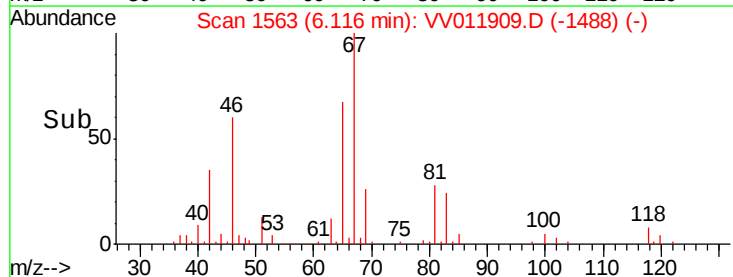
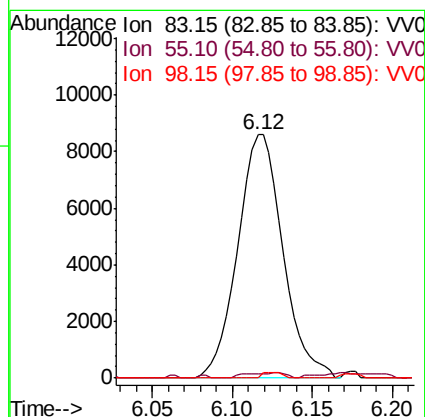
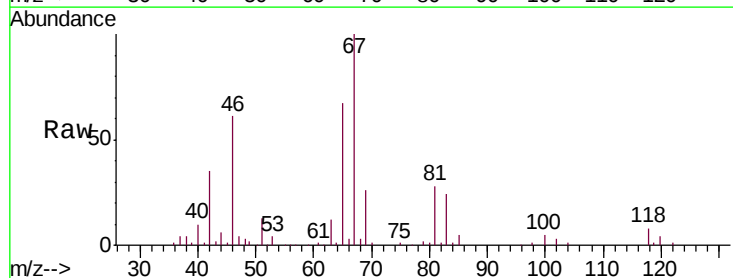
Instrument :
MSVOA_V
ClientSampleId :
A52W0

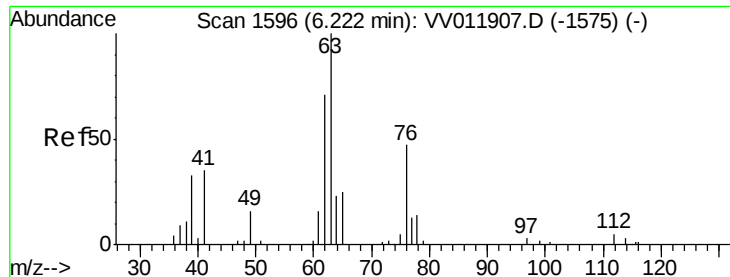
Tgt Ion: 83 Resp: 3782
Ion Ratio Lower Upper
83 100
85 71.3 42.5 78.9



#35
Methylcyclohexane
Concen: 0.803 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV011909.D
Acq: 17 Jul 2019 14:08

Tgt Ion: 83 Resp: 16580
Ion Ratio Lower Upper
83 100
55 0.9 66.7 100.1#
98 1.1 39.0 58.4#

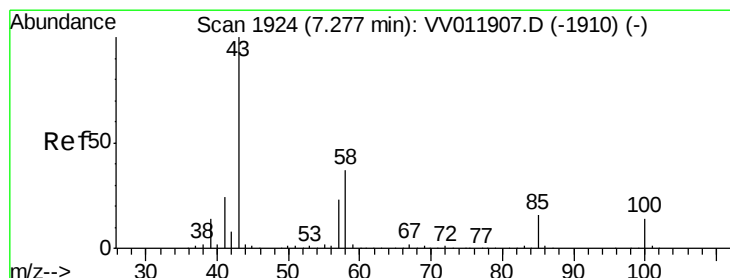
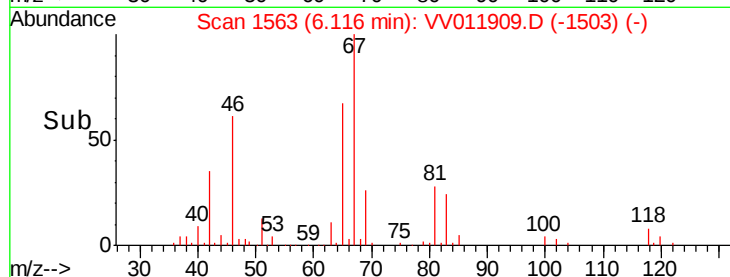
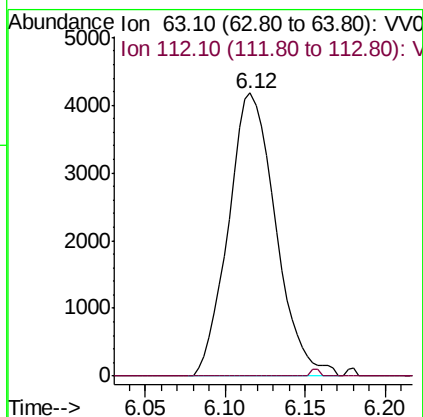
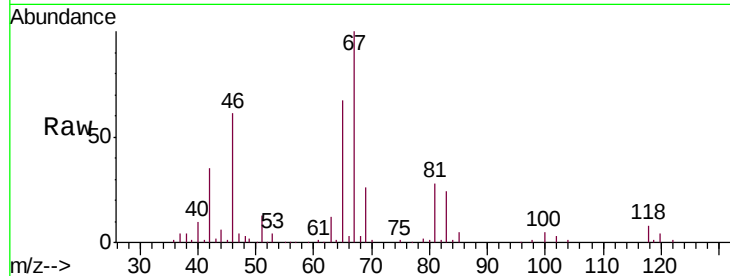




#37
 1,2-Dichloropropane
 Concen: 0.706 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.11 min
 Lab File: VV011909.D
 Acq: 17 Jul 2019 14:08

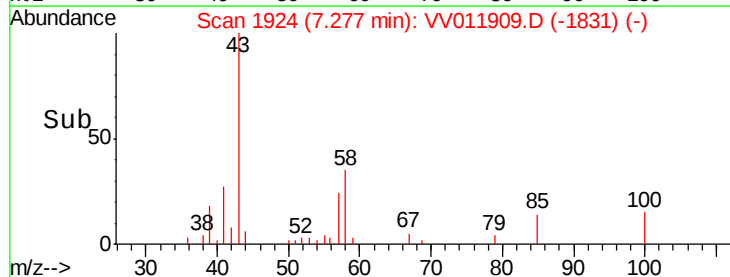
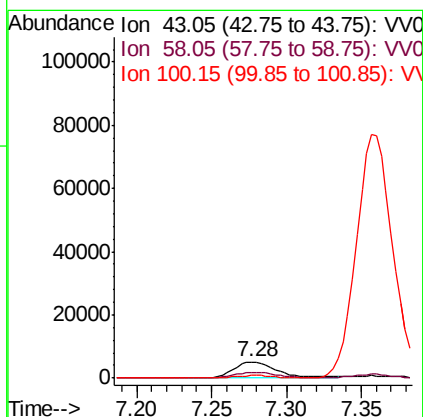
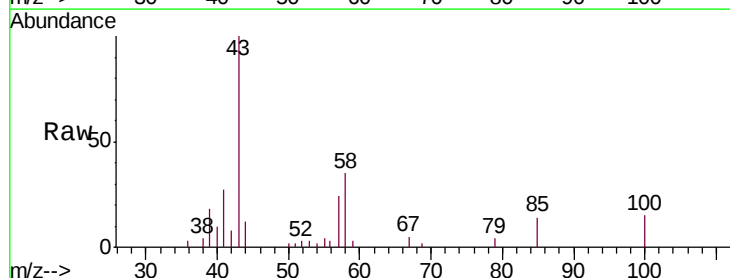
Instrument :
 MSVOA_V
 ClientSampleId :
 A52W0

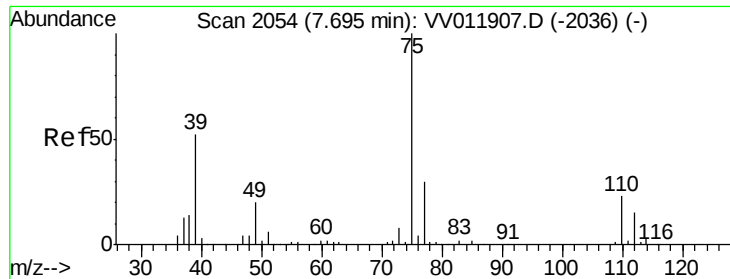
Tgt Ion: 63 Resp: 8432
 Ion Ratio Lower Upper
 63 100
 112 0.5 3.4 5.2#



#40
 4-Methyl-2-pentanone
 Concen: 1.457 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV011909.D
 Acq: 17 Jul 2019 14:08

Tgt Ion: 43 Resp: 10461
 Ion Ratio Lower Upper
 43 100
 58 35.7 29.4 44.2
 100 0.0 11.1 16.7#





#44

trans-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011909.D

Acq: 17 Jul 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

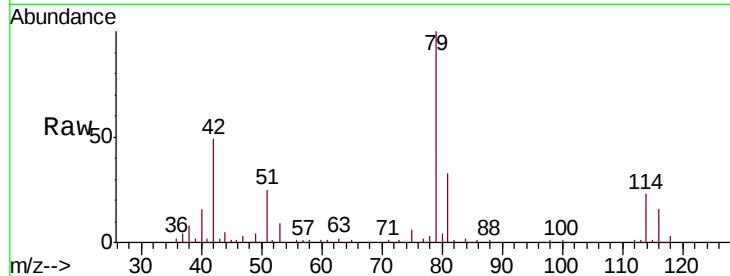
A52W0

Tgt Ion: 75 Resp: 1329

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.3



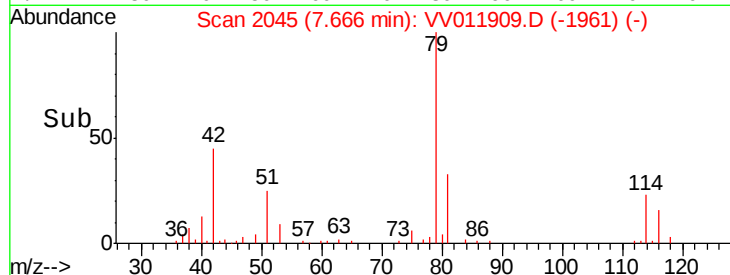
Abundance Ion 75.05 (74.75 to 75.75): VV011907.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV011909.D (-1961) (-)

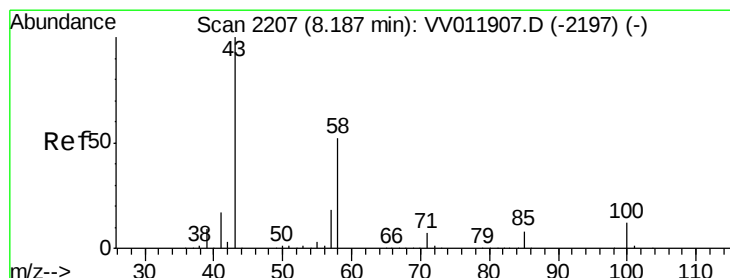
7.67

7.65

7.70



Time-->



#48

2-Hexanone

Concen: 1.874 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV011909.D

Acq: 17 Jul 2019 14:08

Tgt Ion: 43 Resp: 9630

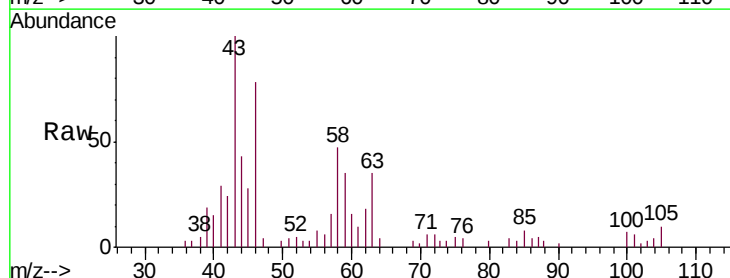
Ion Ratio Lower Upper

43 100

58 53.3 41.1 61.7

57 23.6 14.3 21.5#

100 10.7 8.7 13.1



Abundance Ion 43.05 (42.75 to 43.75): VV011907.D (-2197) (-)

Ion 58.05 (57.75 to 58.75): VV011909.D (-2114) (-)

Ion 57.20 (56.90 to 57.90): VV011909.D (-2114) (-)

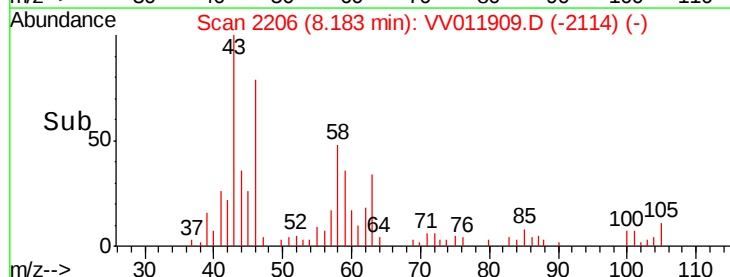
Ion 100.15 (99.85 to 100.85): VV011909.D (-2114) (-)

8.18

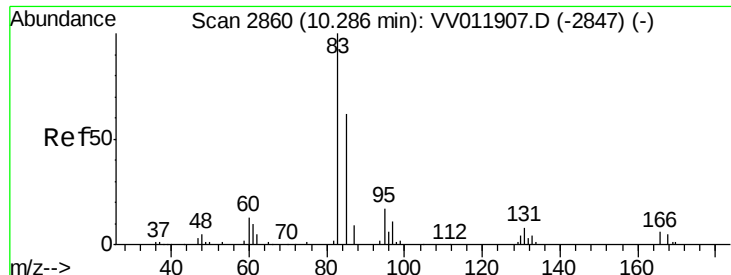
8.15

8.20

8.25



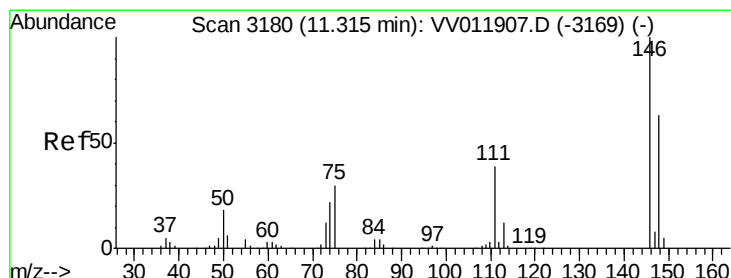
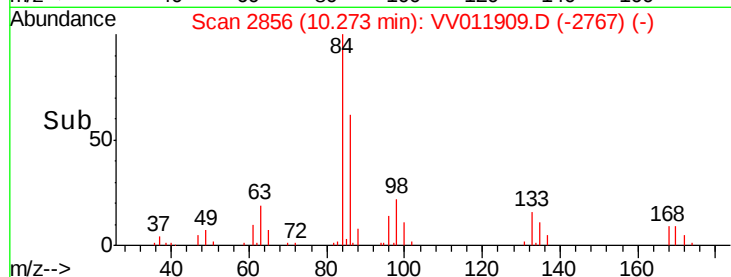
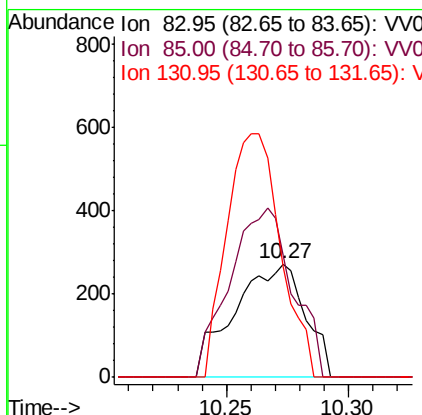
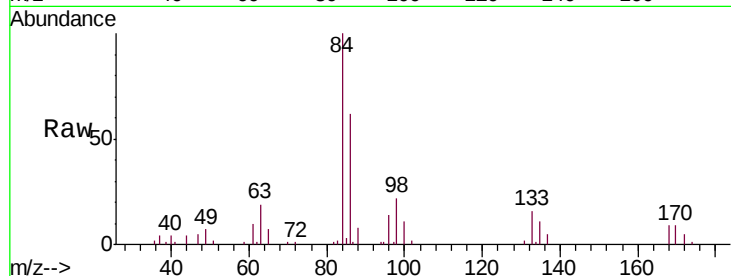
Time-->



#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.071 ug/L
 RT: 10.27 min Scan# 2856
 Delta R.T. -0.01 min
 Lab File: VV011909.D
 Acq: 17 Jul 2019 14:08

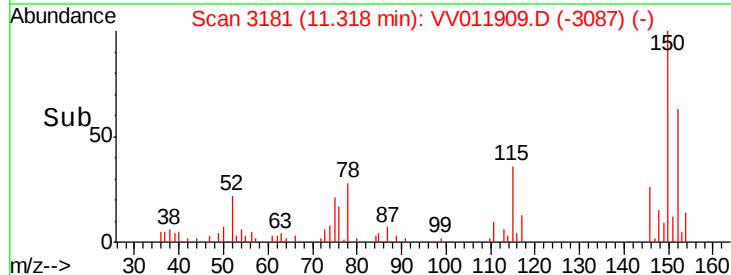
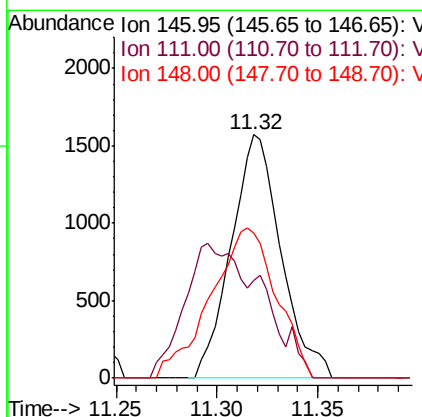
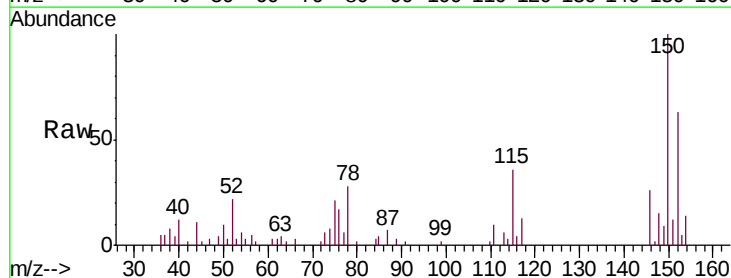
Instrument :
 MSVOA_V
 ClientSampleID :
 A52W0

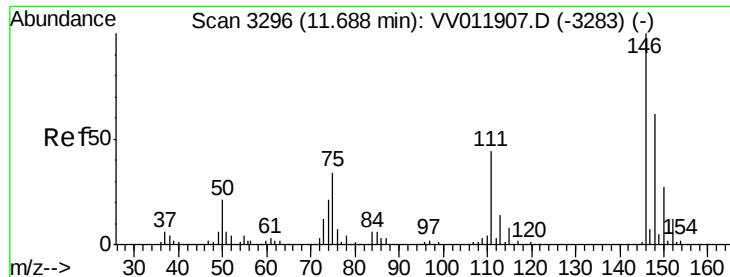
Tgt Ion: 83 Resp: 545
 Ion Ratio Lower Upper
 83 100
 85 108.1 44.9 83.3#
 131 97.4 8.2 12.2#



#63
 1,4-Dichlorobenzene
 Concen: 0.115 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011909.D
 Acq: 17 Jul 2019 14:08

Tgt Ion: 146 Resp: 2720
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.0 52.0
 148 59.5 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 0.121 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011909.D

Acq: 17 Jul 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

A52W0

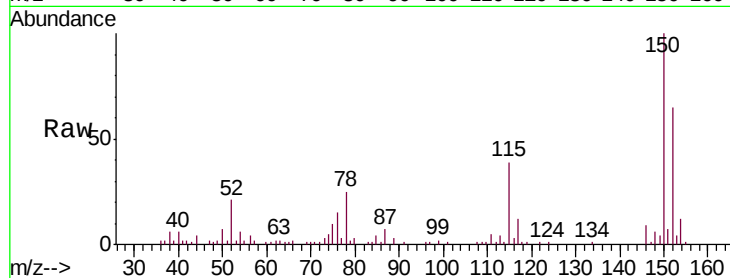
Tgt Ion:146 Resp: 2598

Ion Ratio Lower Upper

146 100

111 53.5 34.0 51.0#

148 74.6 51.8 77.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

11.69

1500

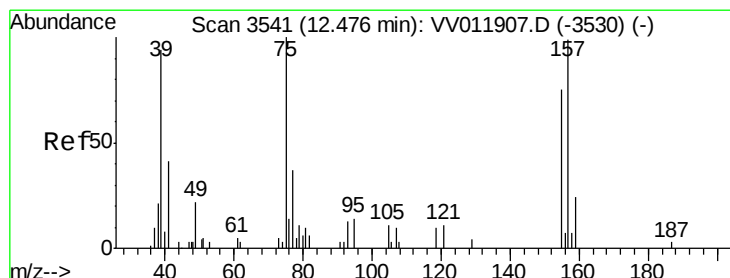
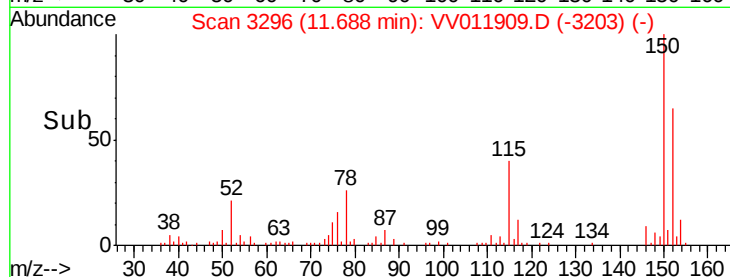
1000

500

0

11.65 11.70

Time-->



#66

1,2-Dibromo-3-chloropropane

Concen: 1.952 ug/L

RT: 12.44 min Scan# 3531

Delta R.T. -0.03 min

Lab File: VV011909.D

Acq: 17 Jul 2019 14:08

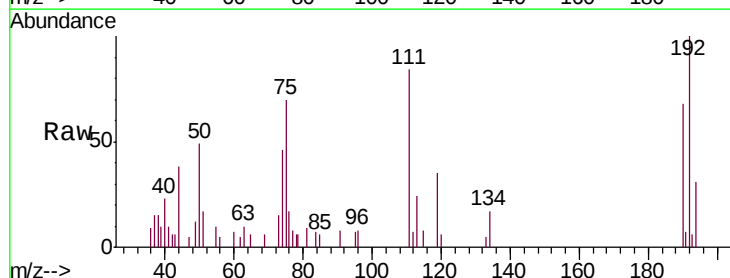
Tgt Ion: 75 Resp: 2383

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.0#

157 0.0 85.5 128.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

12.44

1500

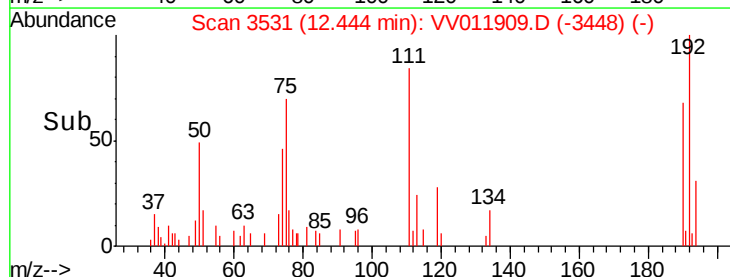
1000

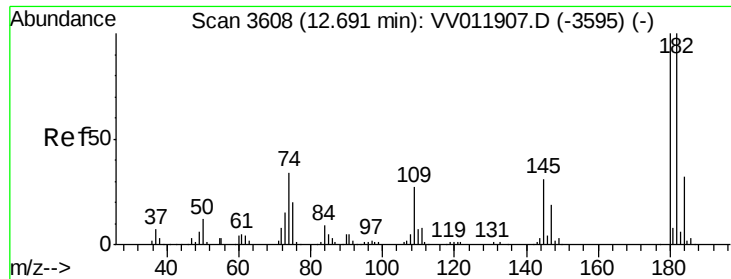
500

0

12.40 12.45 12.50

Time-->

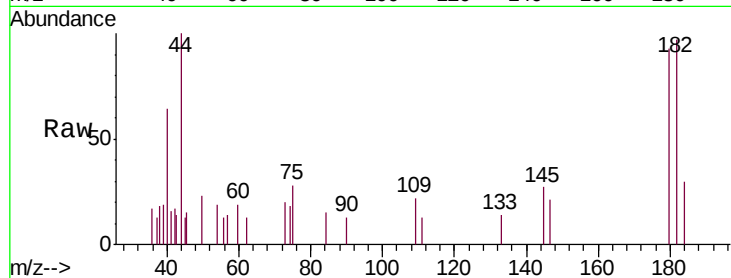




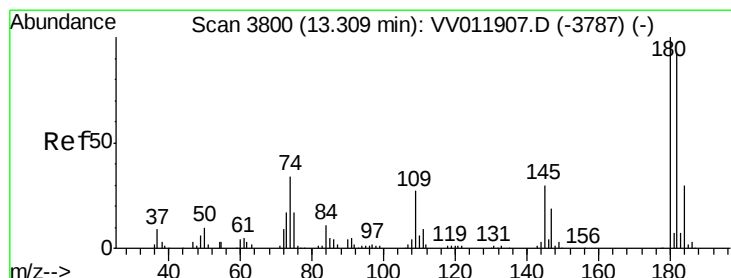
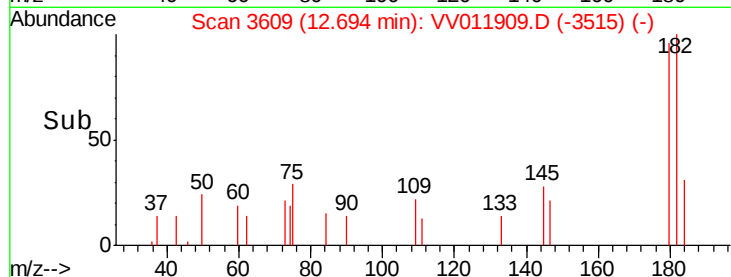
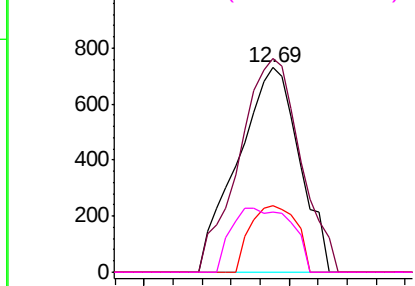
#67
 1,3,5-Trichlorobenzene
 Concen: 0.060 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV011909.D
 Acq: 17 Jul 2019 14:08

Instrument :
 MSVOA_V
 ClientSampleId :
 A52W0

Tgt Ion:180 Resp: 1073
 Ion Ratio Lower Upper
 180 100
 182 104.4 75.5 113.3
 184 24.5 24.2 36.2
 145 30.6 23.5 35.3

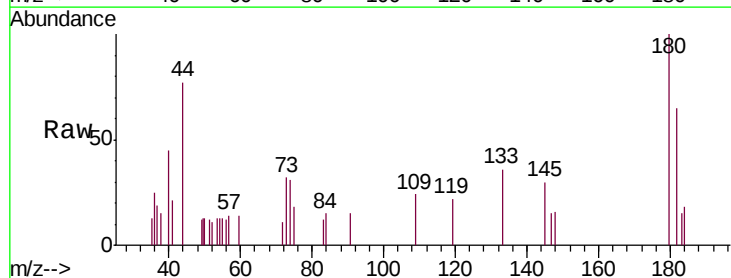


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

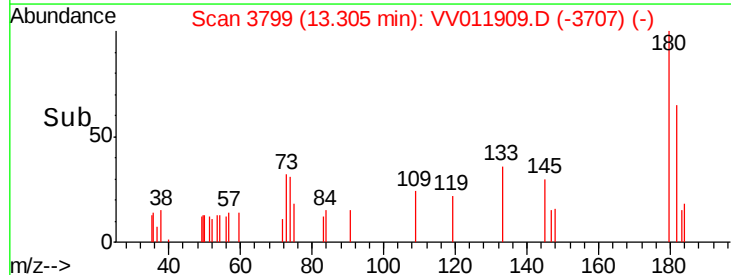
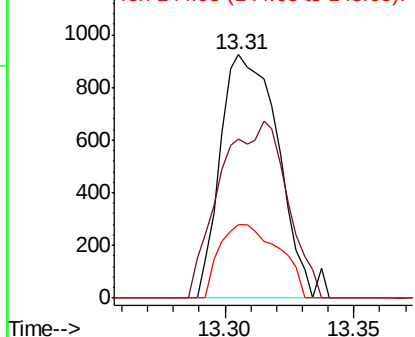


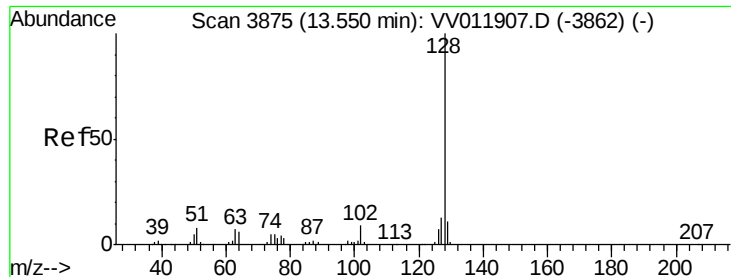
#68
 1,2,4-trichlorobenzene
 Concen: 0.101 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV011909.D
 Acq: 17 Jul 2019 14:08

Tgt Ion:180 Resp: 1440
 Ion Ratio Lower Upper
 180 100
 182 84.2 76.0 114.0
 145 31.0 24.2 36.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 1.125 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011909.D

Acq: 17 Jul 2019 14:08

Instrument :

MSVOA_V

ClientSampleId :

A52W0

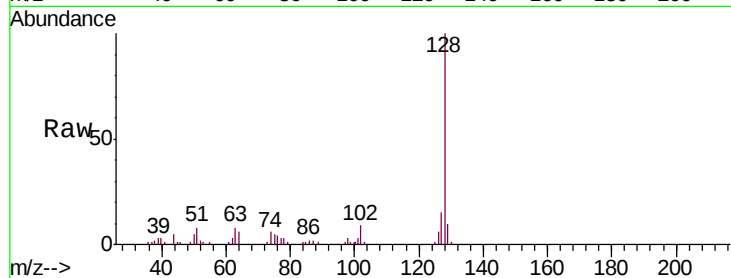
Tgt Ion:128 Resp: 24558

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

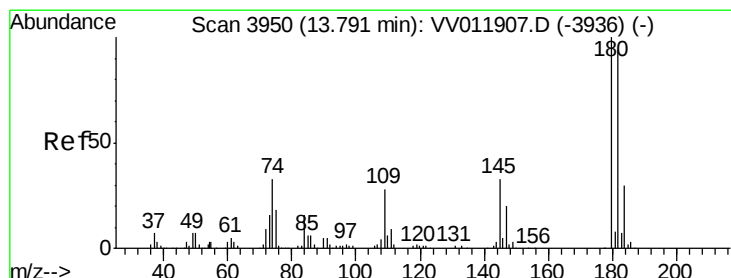
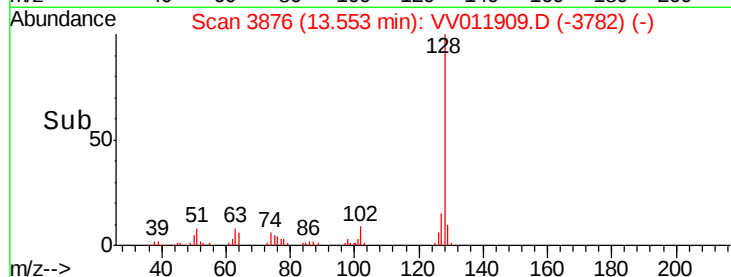
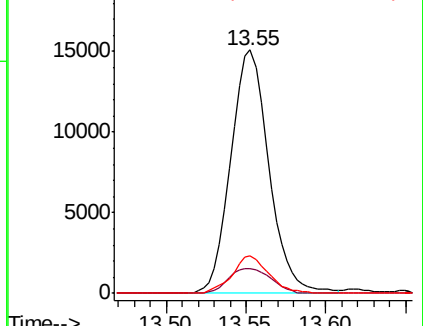
127 14.6 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.068 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV011909.D

Acq: 17 Jul 2019 14:08

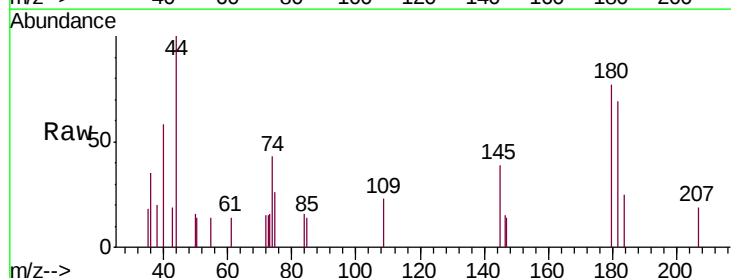
Tgt Ion:180 Resp: 870

Ion Ratio Lower Upper

180 100

182 91.7 77.0 115.6

145 48.6 26.1 39.1#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

