

Data File : VV011917.D
Acq On : 17 Jul 2019 17:48
Operator : SY/MD
Sample : K3823-07
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52K6

Quant Time: Jul 18 02:22:06 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	5.67	114	159794	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	153992	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	66702	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55769	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.58	69	41604	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.13	63	85597	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	3.95	46	159412	53.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.56%
24) Chloroform-d	4.40	84	110800	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.08	65	62339	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.10	84	224701	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.12	67	70129	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.36	98	190998	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.67	79	22224	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.13	63	97615	47.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.48%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39143	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	70643	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

					Qvalue
3) Chloromethane	1.26	50	2075	0.131 ug/L	93
5) Vinyl chloride	1.33	62	114880	7.530 ug/L	100
8) Chloroethane	1.33	64	37086	4.274 ug/L #	46
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	881	0.095 ug/L #	30
12) 1,1-Dichloroethene	2.14	96	24316	2.855 ug/L #	52
13) Acetone	2.19	43	6994	4.649 ug/L	98
15) Methyl Acetate	2.46	43	408	0.128 ug/L	91
18) trans-1,2-Dichloroethene	2.79	96	3830	0.320 ug/L	88
19) 1,1-Dichloroethane	3.23	63	64811	2.871 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	5843381	474.017 ug/L #	98
25) Chloroform	4.43	83	3232	0.133 ug/L	90
29) 1,1,1-Trichloroethane	4.66	97	74035	3.912 ug/L	99
31) Carbon tetrachloride	4.66	117	8762	0.530 ug/L	98
34) Trichloroethene	5.96	95	3619	0.270 ug/L	89
35) Methylcyclohexane	6.12	83	16962	0.835 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	8127	0.691 ug/L #	93
48) 2-Hexanone	8.18	43	9463	1.870 ug/L #	76

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

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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)
51) Chlorobenzene	8.92	112	7485	0.235	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	2248	0.112	ug/L #	84
66) 1,2-Dibromo-3-chloropropan	12.44	75	1444	1.264	ug/L #	3
69) Naphthalene	13.56	128	2390	0.117	ug/L #	88

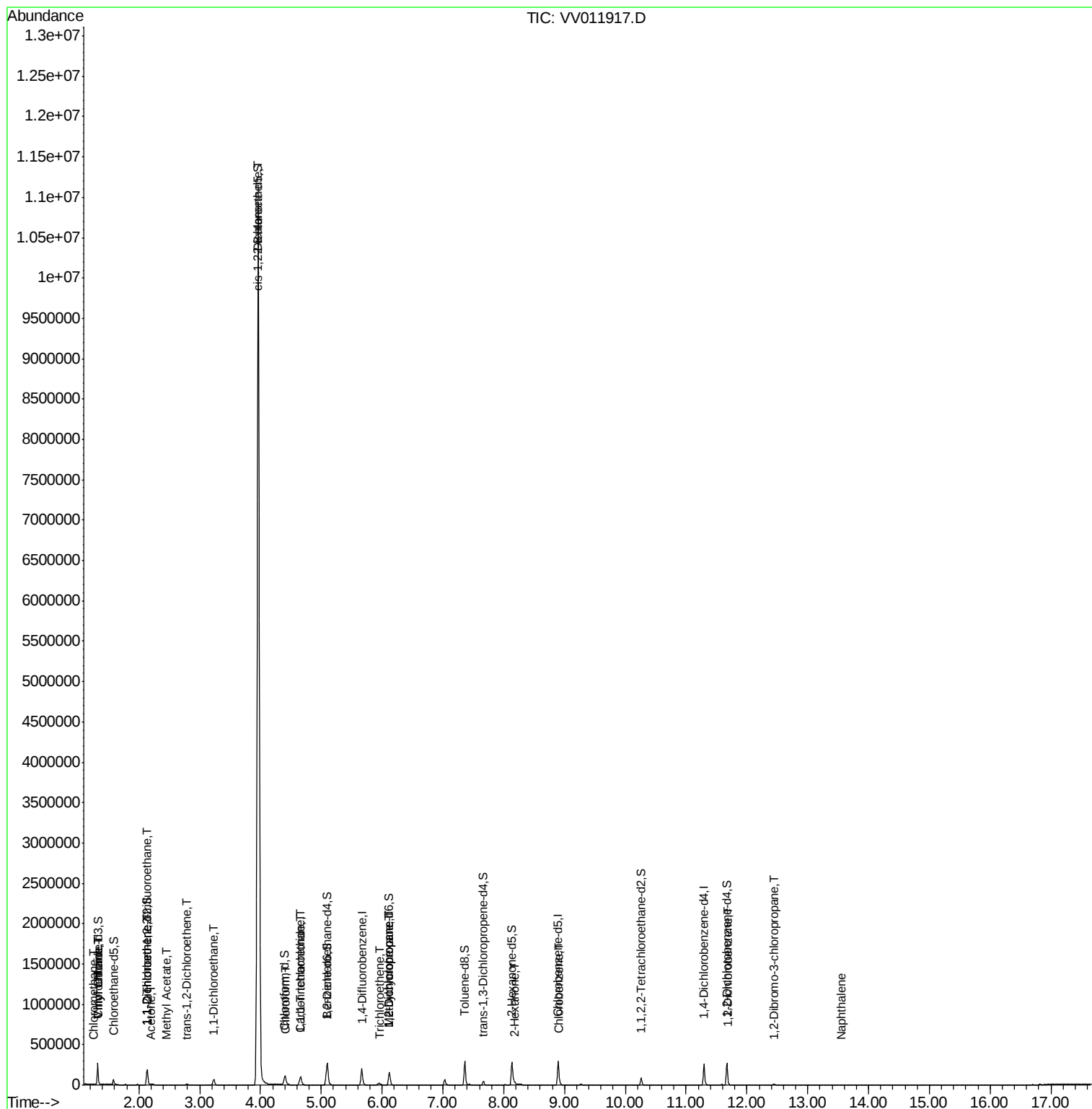
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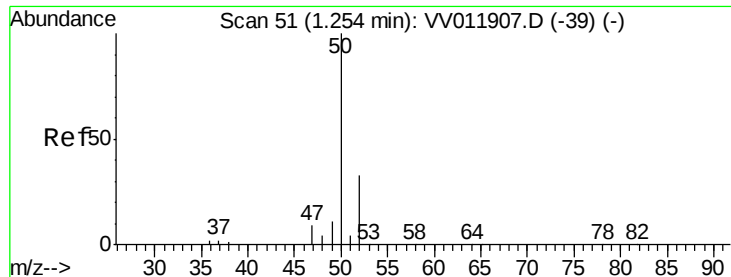
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Operator    : SY/MD
Sample      : K3823-07
Misc       : 25ML/MSVOA_V/WATER
ALS Vial    : 20      Sample Multiplier: 1
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MSVOA_V
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Quant Time: Jul 18 02:22:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.131 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

Instrument :

MSVOA_V

ClientSampleId :

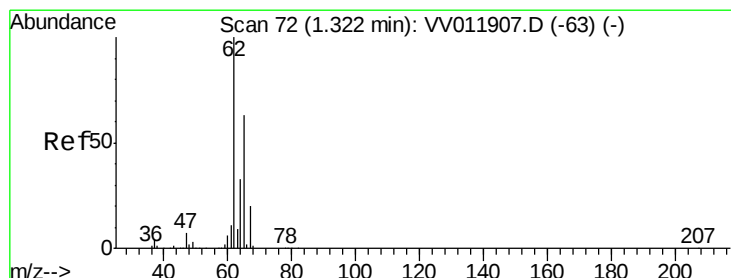
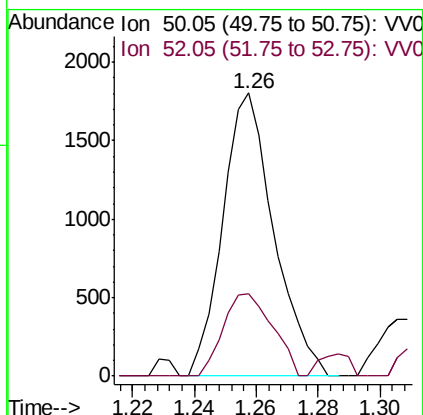
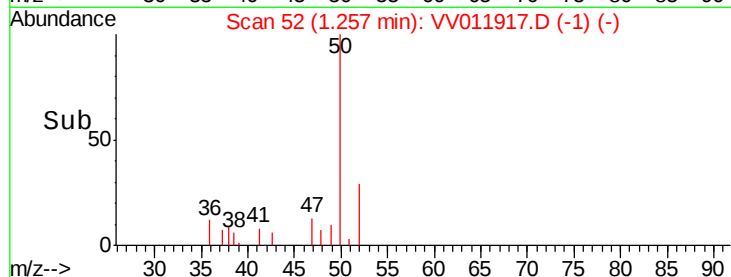
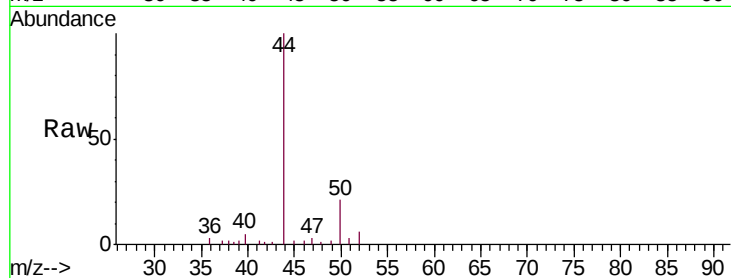
A52K6

Tgt Ion: 50 Resp: 2075

Ion Ratio Lower Upper

50 100

52 29.1 23.1 42.9



#5

Vinyl chloride

Concen: 7.530 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV011917.D

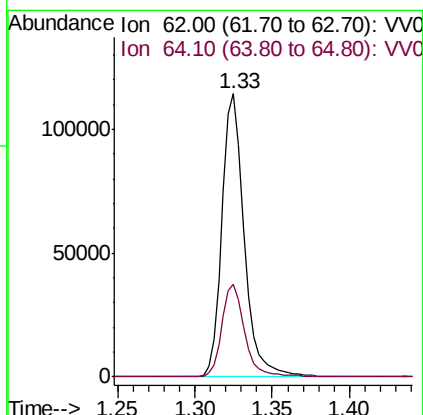
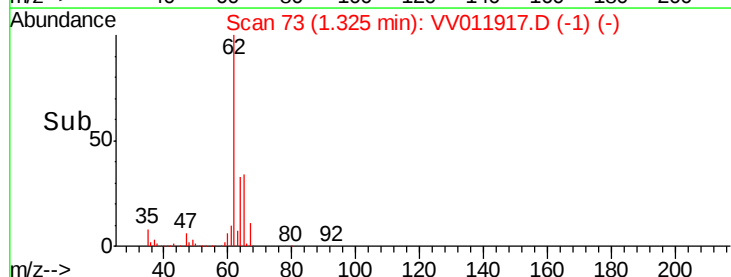
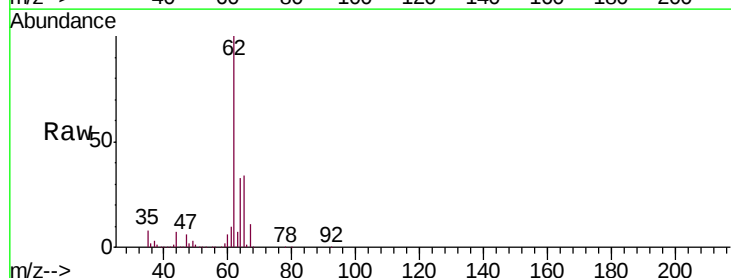
Acq: 17 Jul 2019 17:48

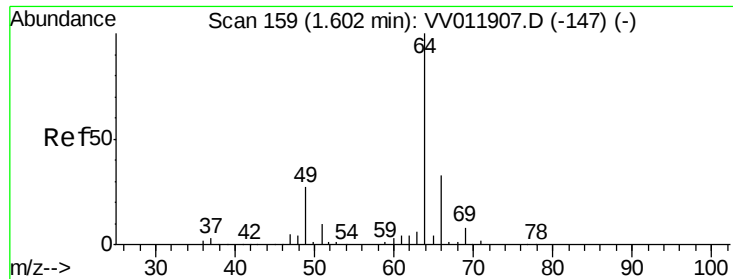
Tgt Ion: 62 Resp: 114880

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5





#8

Chloroethane

Concen: 4.274 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.28 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

Instrument :

MSVOA_V

ClientSampleId :

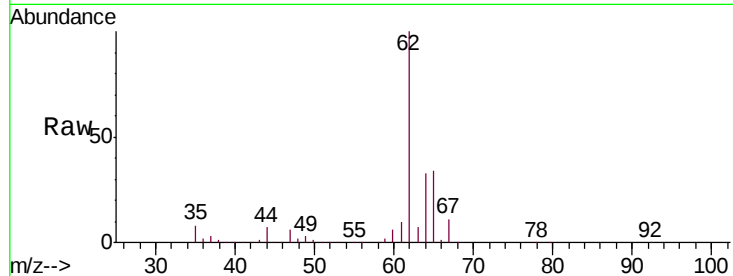
A52K6

Tgt Ion: 64 Resp: 37086

Ion Ratio Lower Upper

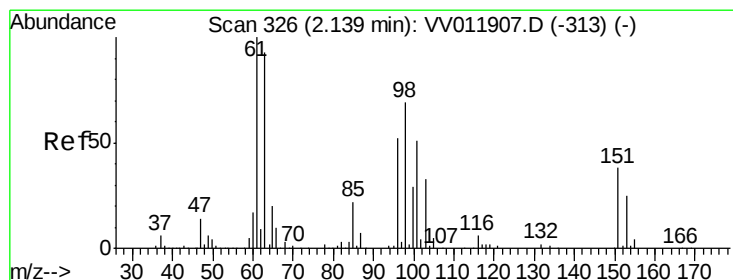
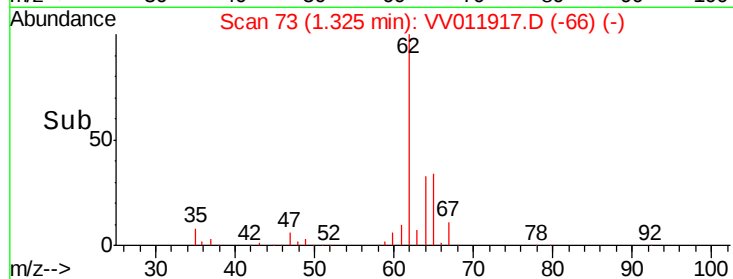
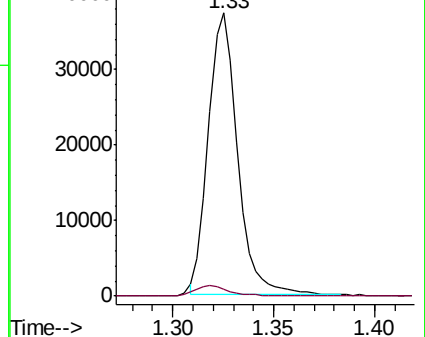
64 100

66 2.6 23.2 43.2#



Abundance Ion 64.10 (63.80 to 64.80): VV011917.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV011917.D (-147) (-)



#10

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

Concen: 0.095 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

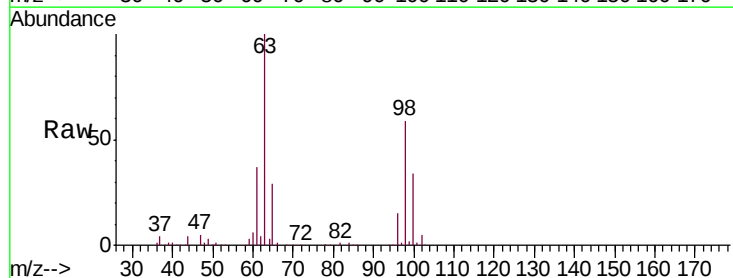
Tgt Ion: 101 Resp: 881

Ion Ratio Lower Upper

101 100

85 12.8 34.7 52.1#

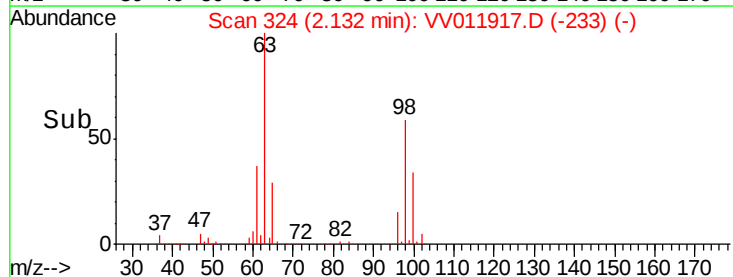
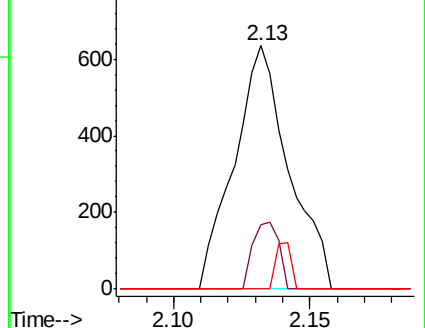
151 5.2 61.5 92.3#

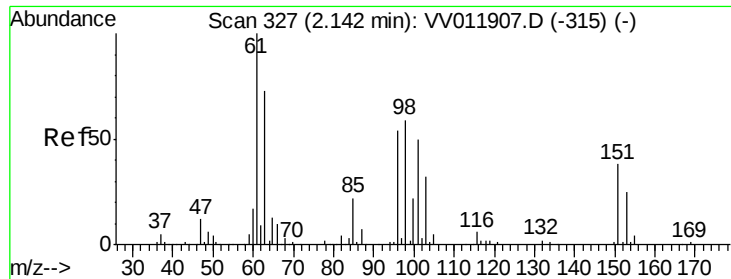


Abundance Ion 101.00 (100.70 to 101.70): VV011917.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV011917.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV011917.D (-313) (-)





#12

1,1-Dichloroethene

Concen: 2.855 ug/L

RT: 2.14 min Scan# 327

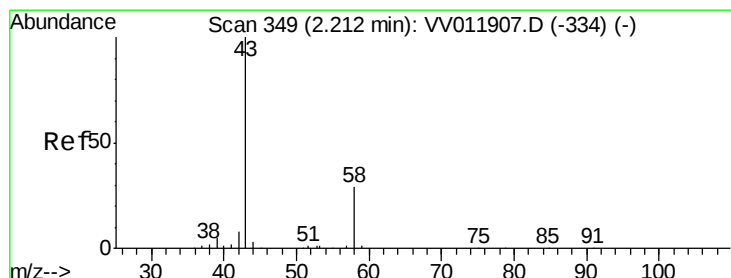
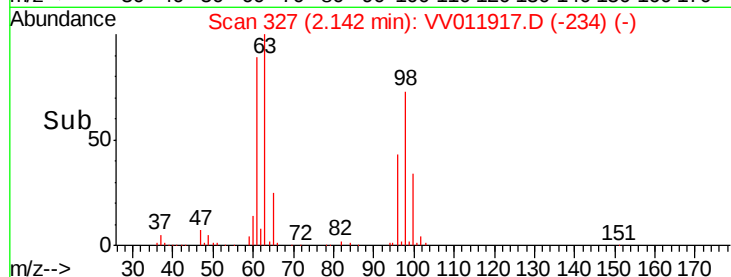
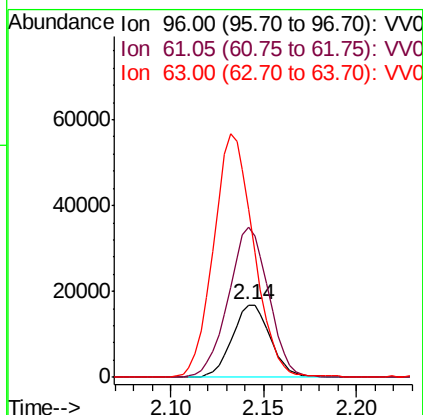
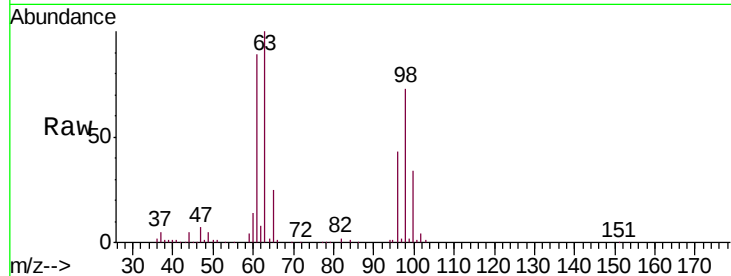
Delta R.T. -0.00 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

Instrument :
MSVOA_V
ClientSampled :
A52K6

Tgt Ion:	96	Resp:	24316
Ion	Ratio	Lower	Upper
96	100		
61	206.6	128.9	239.3
63	231.1	85.5	158.9#



#13

Acetone

Concen: 4.649 ug/L

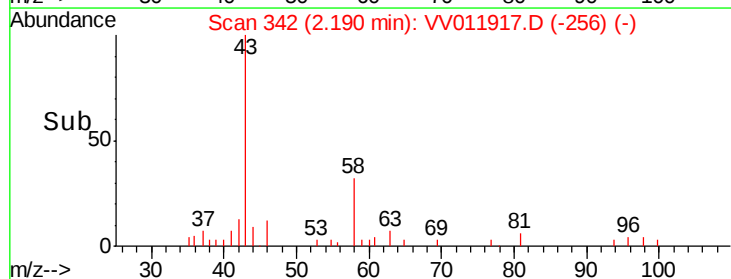
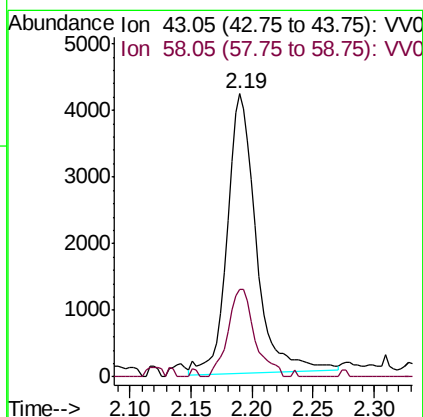
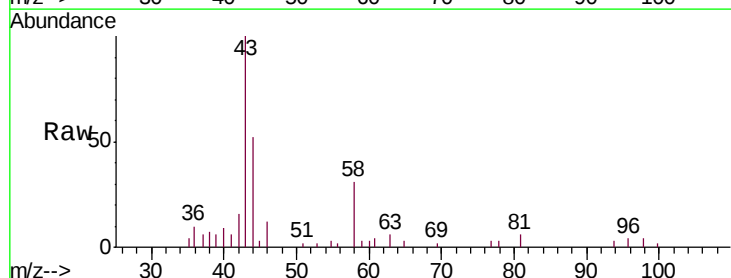
RT: 2.19 min Scan# 342

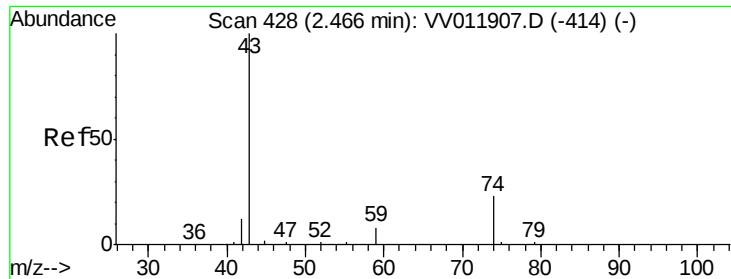
Delta R.T. -0.02 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

Tgt Ion:	43	Resp:	6994
Ion	Ratio	Lower	Upper
43	100		
58	29.1	0.0	55.6

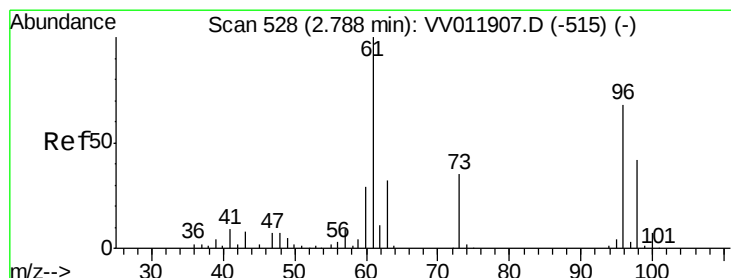
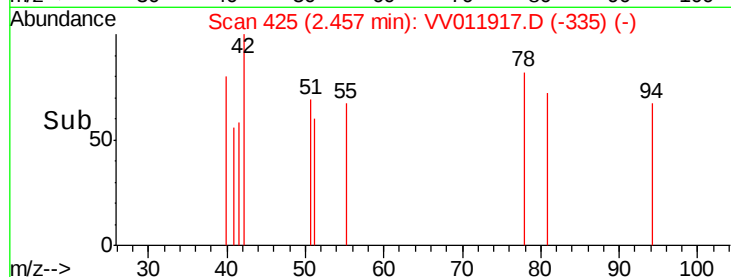
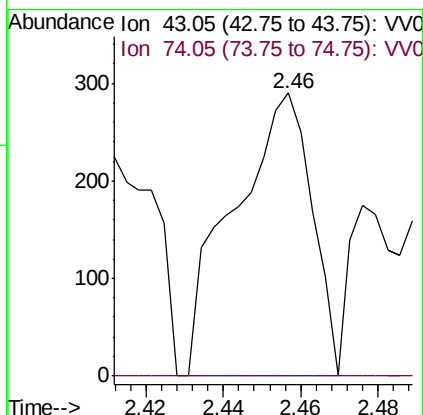
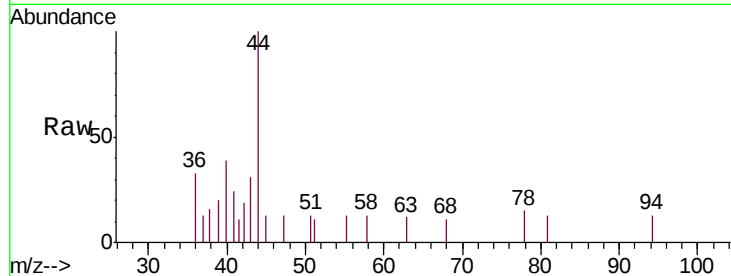




#15
Methyl Acetate
Concen: 0.128 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV011917.D
Acq: 17 Jul 2019 17:48

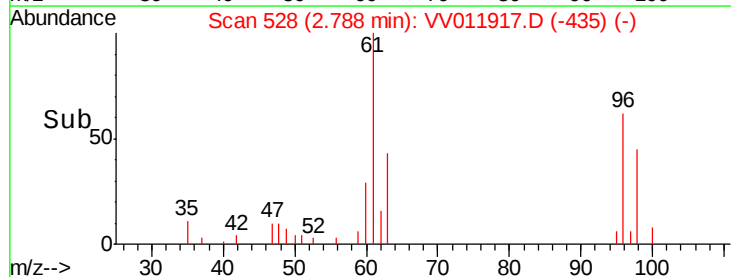
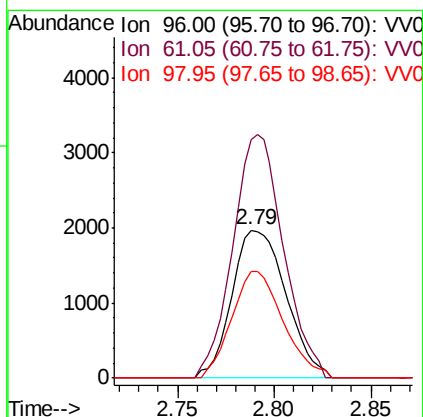
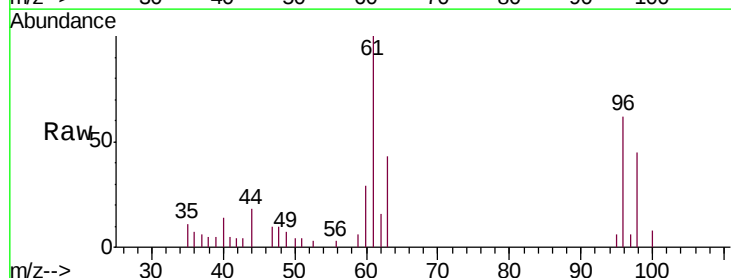
Instrument :
MSVOA_V
ClientSampled :
A52K6

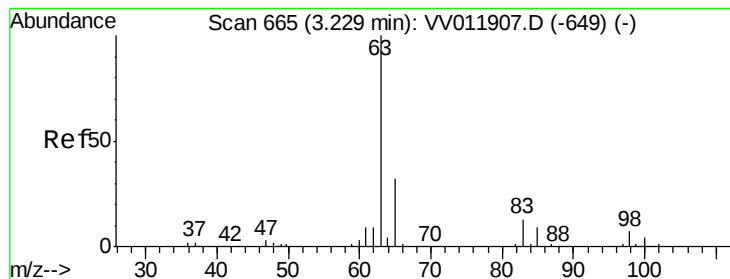
Tgt Ion: 43 Resp: 408
Ion Ratio Lower Upper
43 100
74 18.4 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 0.320 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV011917.D
Acq: 17 Jul 2019 17:48

Tgt Ion: 96 Resp: 3830
Ion Ratio Lower Upper
96 100
61 161.1 102.2 189.8
98 72.0 44.4 82.5





#19

1,1-Dichloroethane

Concen: 2.871 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

Instrument :

MSVOA_V

ClientSampleId :

A52K6

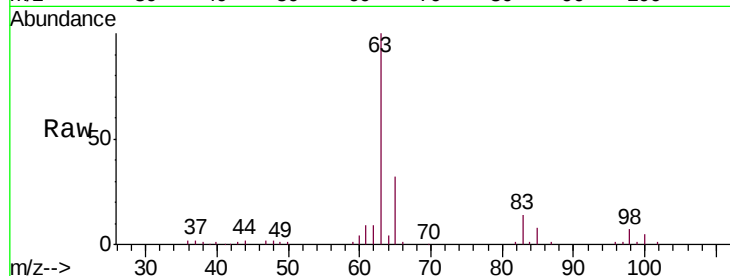
Tgt Ion: 63 Resp: 64811

Ion Ratio Lower Upper

63 100

65 31.8 22.7 42.3

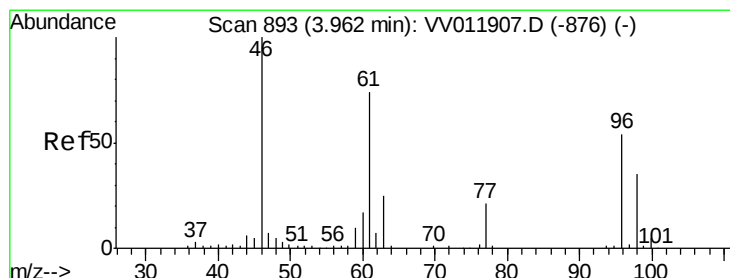
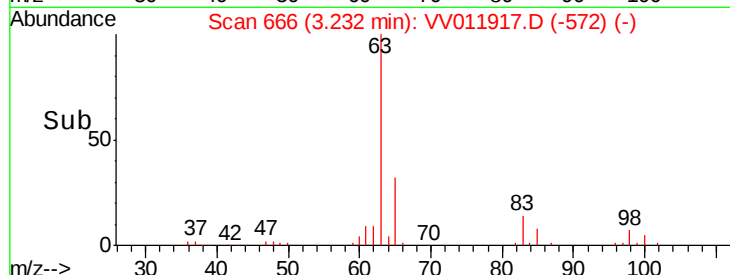
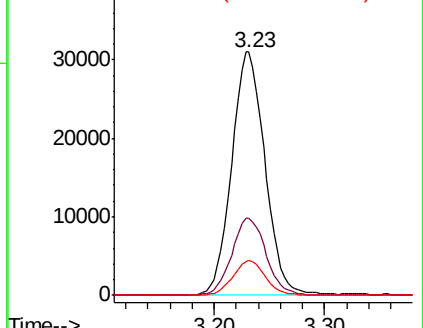
83 14.4 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 474.017 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

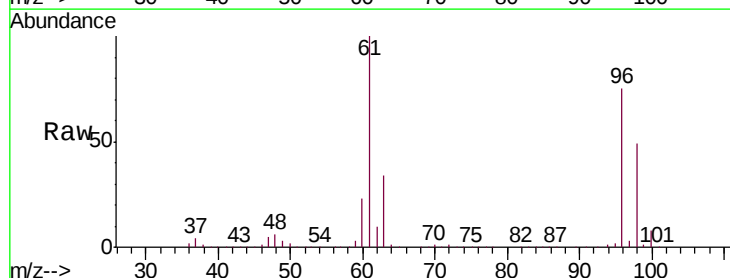
Tgt Ion: 96 Resp: 5843381

Ion Ratio Lower Upper

96 100

61 134.1 95.2 176.8

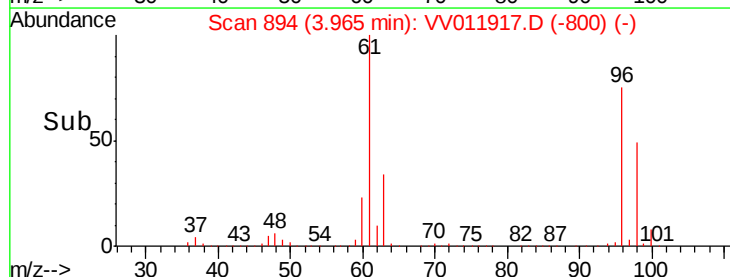
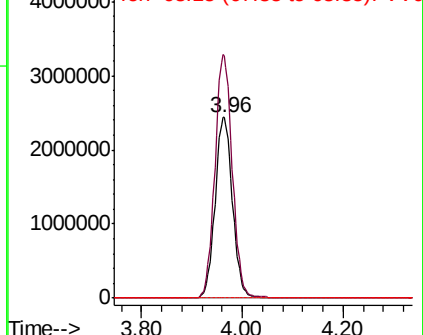
68 0.0 0.0 0.0#

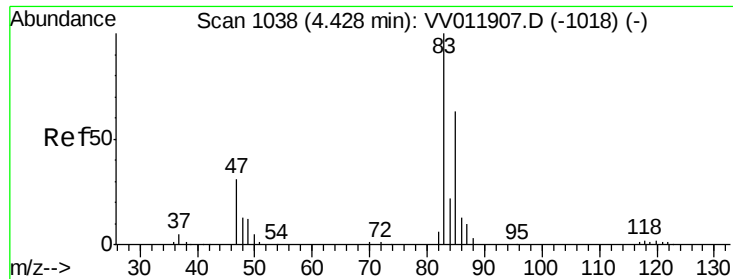


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

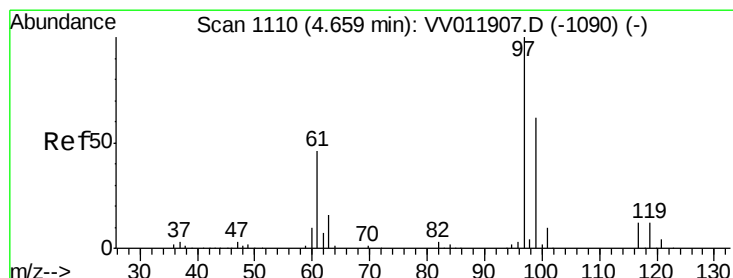
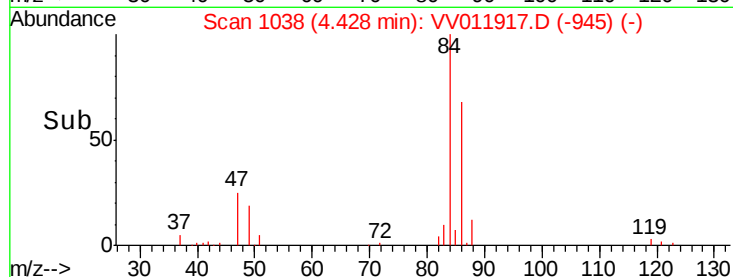
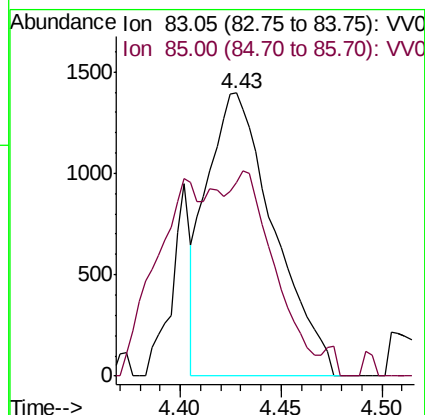
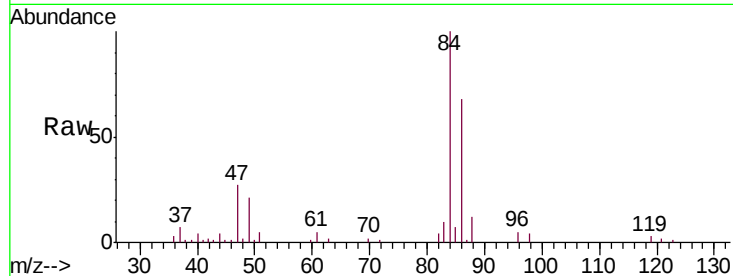




#25
Chloroform
Concen: 0.133 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011917.D
Acq: 17 Jul 2019 17:48

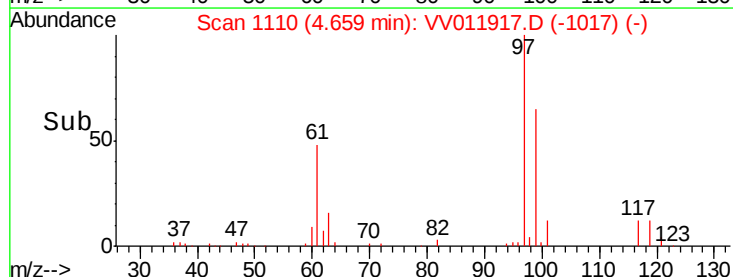
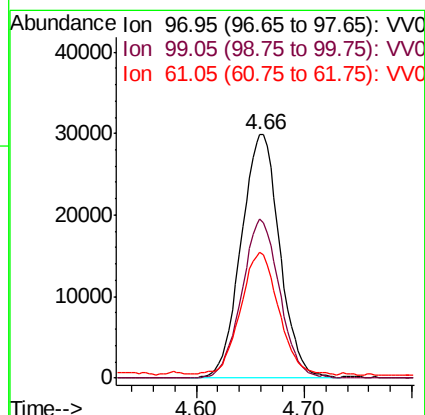
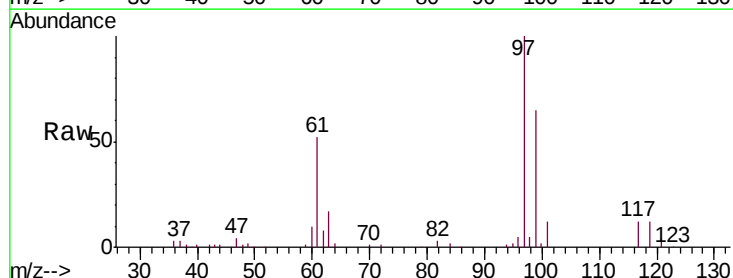
Instrument :
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A52K6

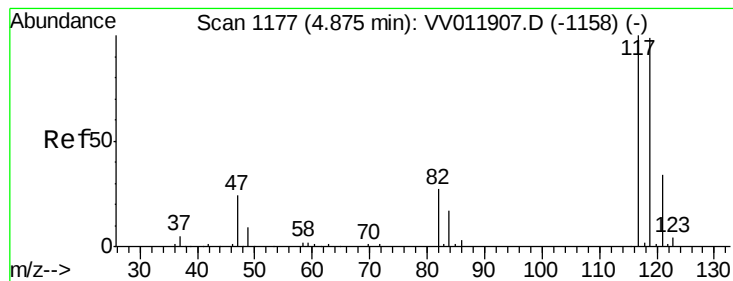
Tgt Ion: 83 Resp: 3232
Ion Ratio Lower Upper
83 100
85 68.4 42.5 78.9



#29
1,1,1-Trichloroethane
Concen: 3.912 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV011917.D
Acq: 17 Jul 2019 17:48

Tgt Ion: 97 Resp: 74035
Ion Ratio Lower Upper
97 100
99 64.1 51.1 76.7
61 49.3 38.6 57.8





#31

Carbon tetrachloride

Concen: 0.530 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.22 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

Instrument :

MSVOA_V

ClientSampled :

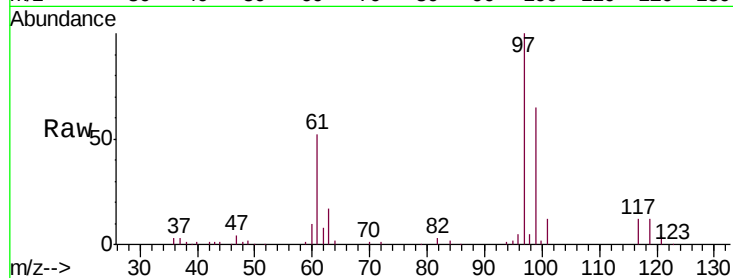
A52K6

Tgt Ion:117 Resp: 8762

Ion Ratio Lower Upper

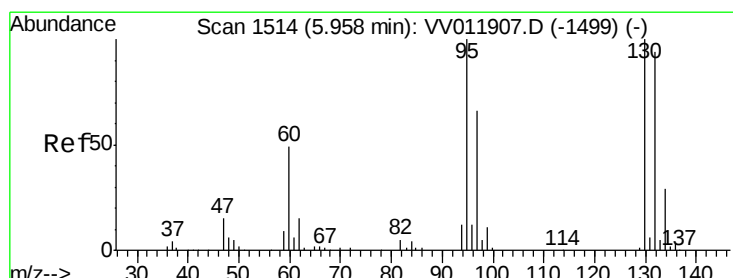
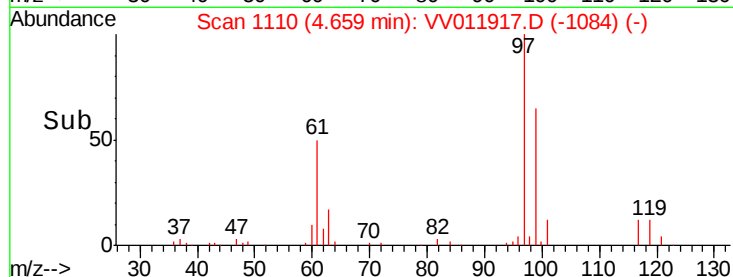
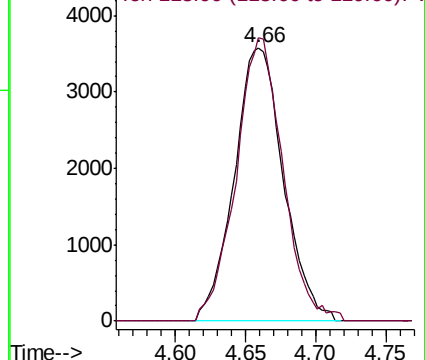
117 100

119 98.7 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.270 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

Tgt Ion: 95 Resp: 3619

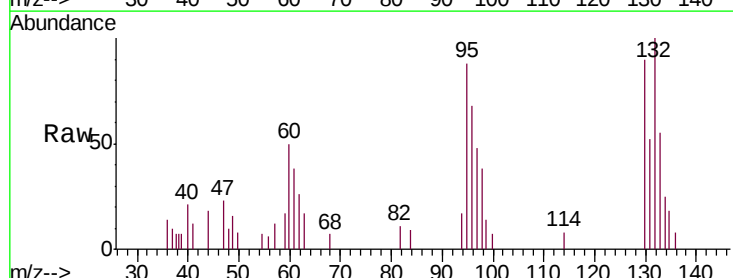
Ion Ratio Lower Upper

95 100

97 54.4 44.0 81.6

132 114.3 67.0 124.4

130 102.5 69.1 128.3

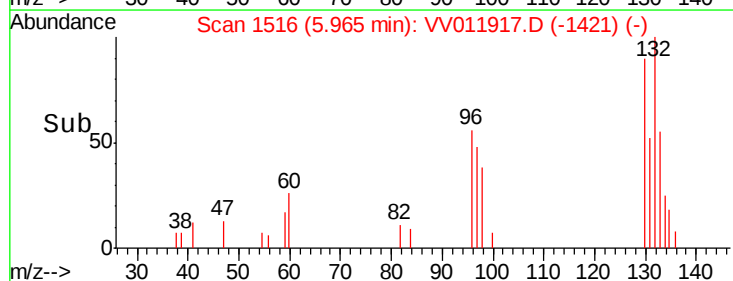
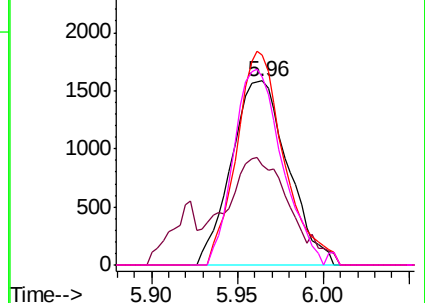


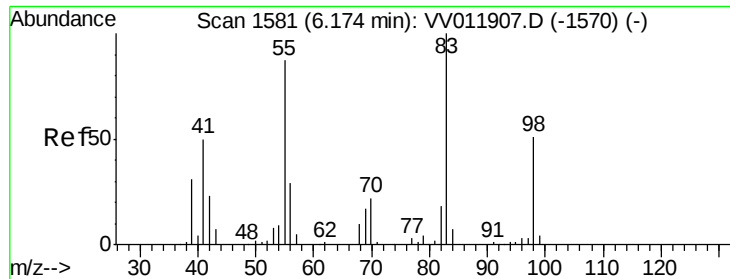
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

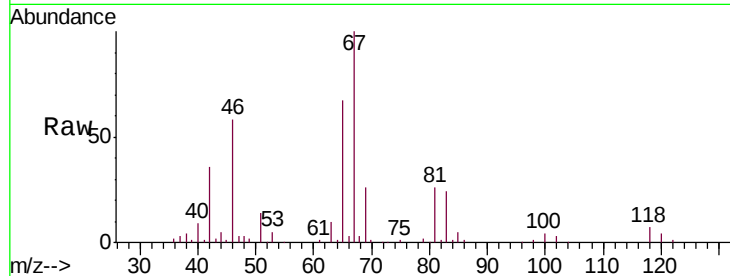




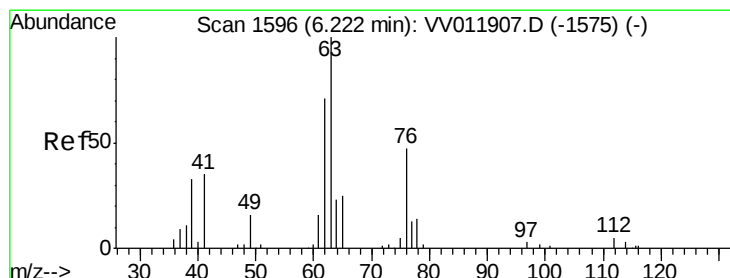
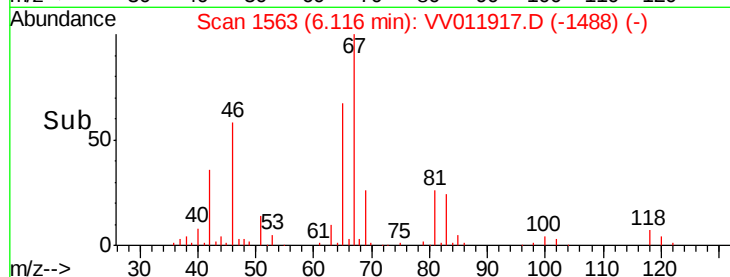
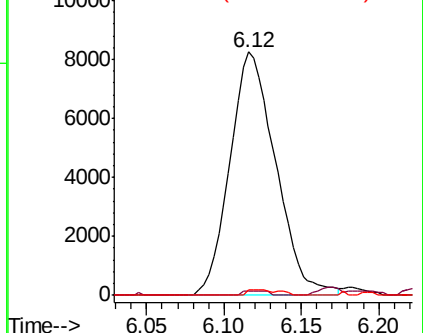
#35
Methylcyclohexane
Concen: 0.835 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV011917.D
Acq: 17 Jul 2019 17:48

Instrument :
MSVOA_V
ClientSampleId :
A52K6

Tgt Ion: 83 Resp: 16962
Ion Ratio Lower Upper
83 100
55 0.9 66.7 100.1#
98 1.6 39.0 58.4#

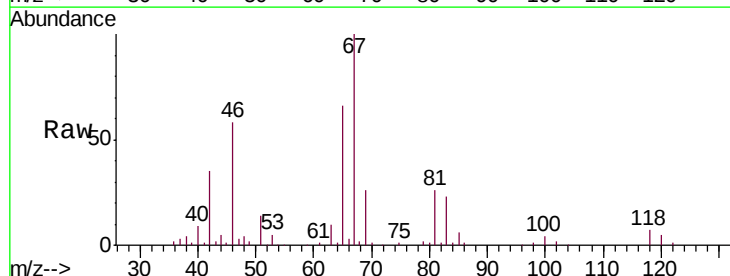


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

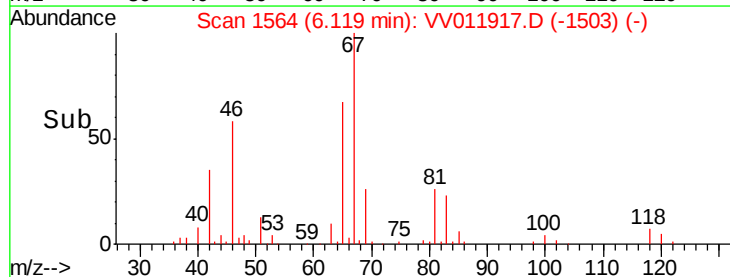
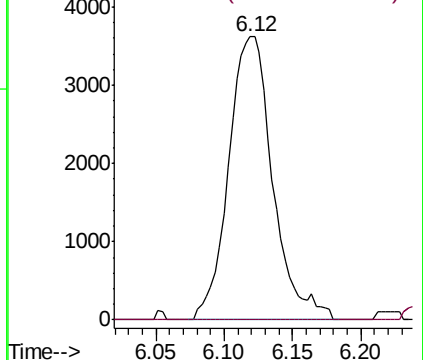


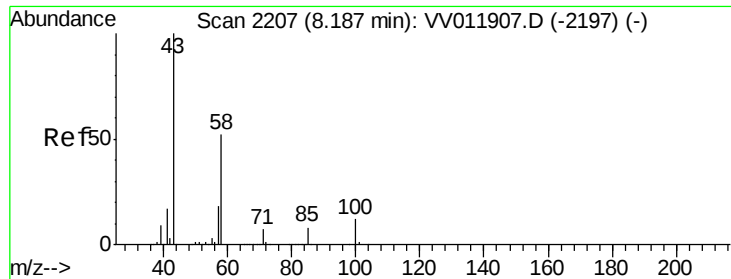
#37
1,2-Dichloropropane
Concen: 0.691 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV011917.D
Acq: 17 Jul 2019 17:48

Tgt Ion: 63 Resp: 8127
Ion Ratio Lower Upper
63 100
112 2.1 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

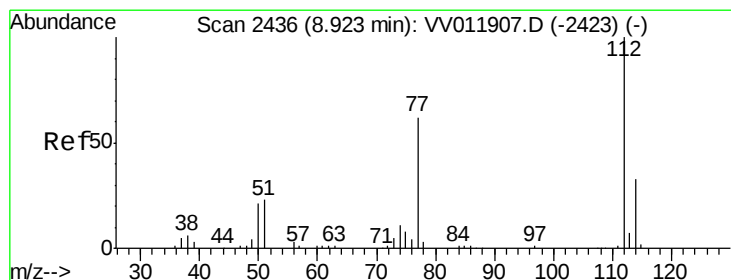
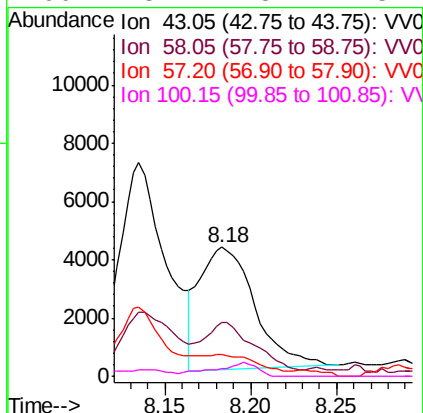
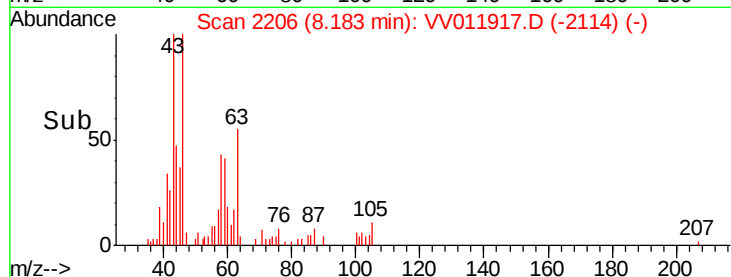
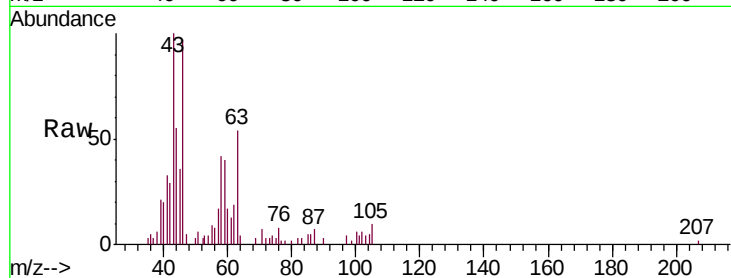




#48
2-Hexanone
Concen: 1.870 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV011917.D
Acq: 17 Jul 2019 17:48

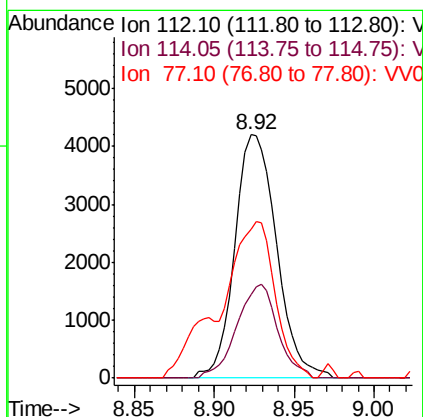
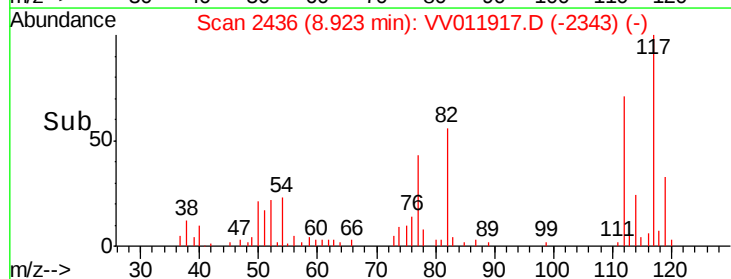
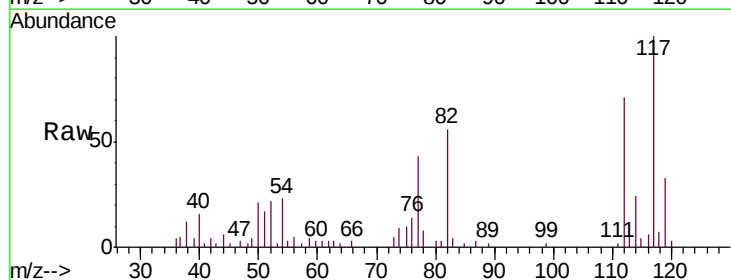
Instrument :
MSVOA_V
ClientSampleId :
A52K6

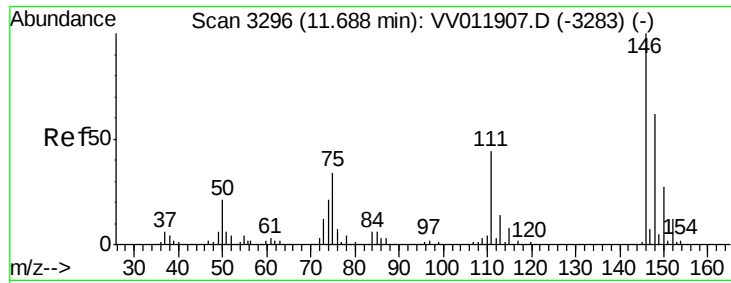
Tgt Ion: 43 Resp: 9463
Ion Ratio Lower Upper
43 100
58 34.9 41.1 61.7#
57 2.8 14.3 21.5#
100 8.7 8.7 13.1#



#51
Chlorobenzene
Concen: 0.235 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011917.D
Acq: 17 Jul 2019 17:48

Tgt Ion: 112 Resp: 7485
Ion Ratio Lower Upper
112 100
114 34.5 22.6 42.0
77 61.0 48.6 73.0





#65

1,2-Dichlorobenzene

Concen: 0.112 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

Instrument :

MSVOA_V

ClientSampleId :

A52K6

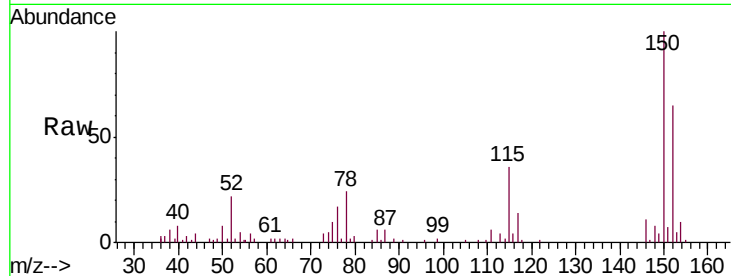
Tgt Ion:146 Resp: 2248

Ion Ratio Lower Upper

146 100

111 53.5 34.0 51.0#

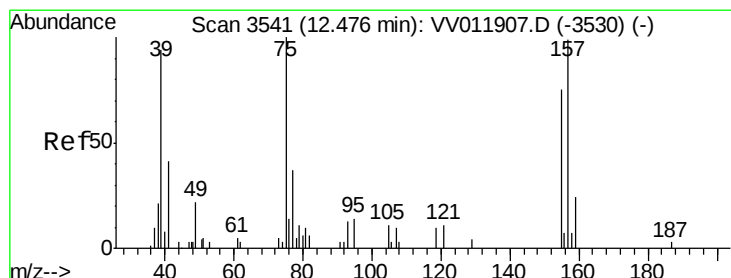
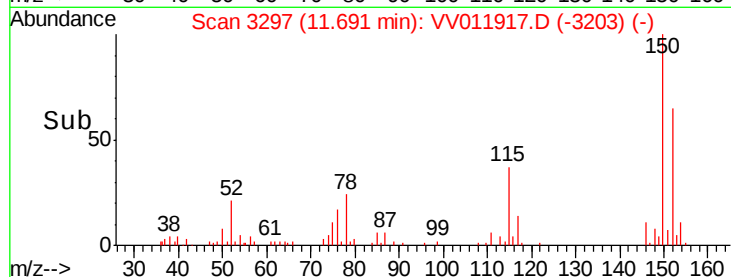
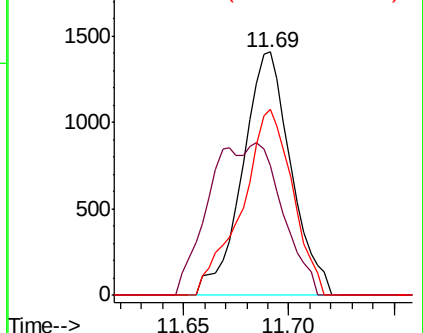
148 76.3 51.8 77.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 1.264 ug/L

RT: 12.44 min Scan# 3531

Delta R.T. -0.03 min

Lab File: VV011917.D

Acq: 17 Jul 2019 17:48

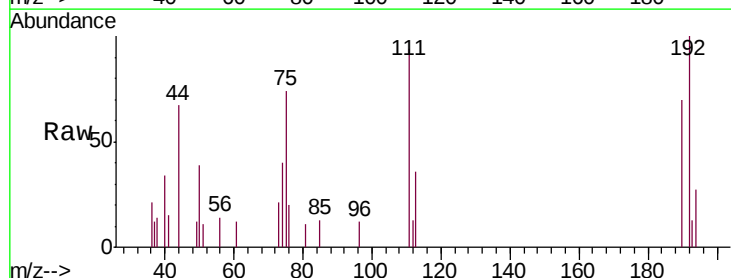
Tgt Ion: 75 Resp: 1444

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.0#

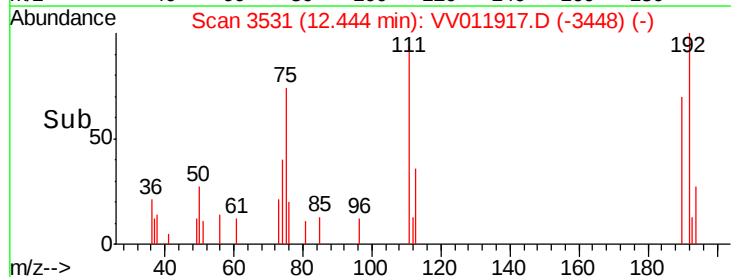
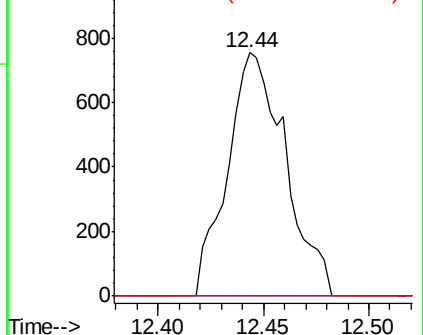
157 0.0 85.5 128.3#

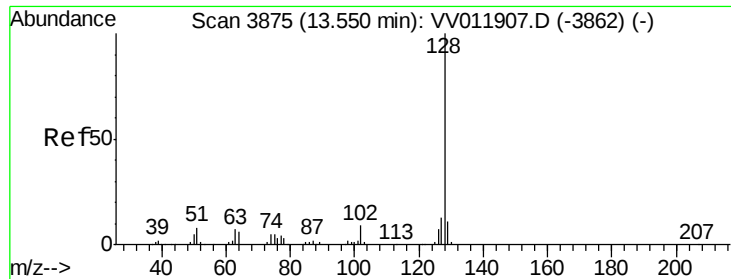


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#69

Naphthalene

Concen: 0.117 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV011917.D

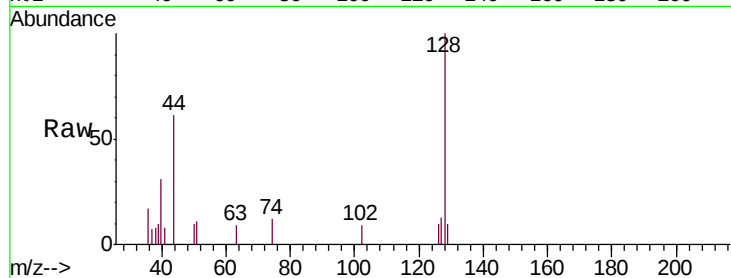
Acq: 17 Jul 2019 17:48

Instrument :

MSVOA_V

ClientSampleId :

A52K6



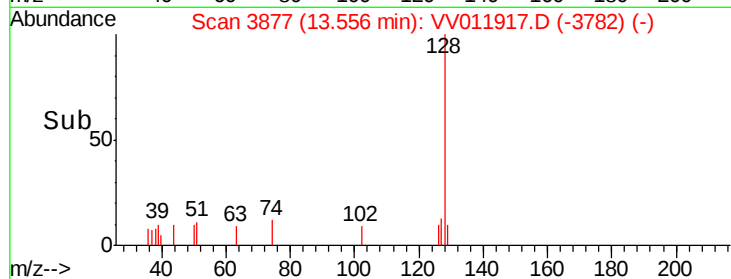
Tgt Ion:128 Resp: 2390

Ion Ratio Lower Upper

128 100

129 3.8 8.6 13.0#

127 11.0 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

