

Data File : VV009998.D
Acq On : 29 Mar 2019 13:51
Operator : SY/MD
Sample : K2120-04
Misc : 5.36G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5C7RE

Quant Time: Mar 30 04:16:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 04:13:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	5387	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	2759	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	305	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3161	28.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.68%
7) Chloroethane-d5	1.58	69	1865	15.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.20%
10) 1,1-Dichloroethene-d2	2.14	63	3026	10.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	40.48%#
20) 2-Butanone-d5	3.93	46	125	6.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	12.28%#
24) Chloroform-d	4.39	84	2042	14.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	59.52%
26) 1,2-Dichloroethane-d4	5.09	65	2336	28.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.12%
29) Benzene-d6	5.10	84	3735	25.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.12%
33) 1,2-Dichloropropane-d6	6.12	67	1960	46.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	184.96%#
37) Toluene-d8	7.36	98	4824	35.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	140.72%#
38) trans-1,3-Dichloropropene-	7.67	79	121	6.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	27.92%#
39) 2-Hexanone-d5	8.14	63	78	9.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	19.72%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	815	19.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	227	19.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	78.20%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	194	2.013	ug/L #	43
5) Vinyl chloride	1.41	62	54	0.431	ug/L #	1
6) Bromomethane	1.55	94	44	0.352	ug/L #	1
8) Chloroethane	1.42	64	227	2.103	ug/L	85
12) 1,1-Dichloroethene	1.91	96	68	0.516	ug/L #	1
13) Acetone	2.20	43	409	13.261	ug/L	87
15) Methyl Acetate	2.46	43	108	2.989	ug/L #	49
16) Methylene chloride	2.53	84	316	3.562	ug/L #	74
19) 1,1-Dichloroethane	3.46	63	86	0.666	ug/L #	48
21) 2-Butanone	4.00	43	43	1.565	ug/L #	54
25) Chloroform	4.44	83	141	0.988	ug/L #	17
34) Benzene	5.34	78	51	0.337	ug/L	100
35) Trichloroethene	5.67	95	102	2.552	ug/L #	5
36) Methylcyclohexane	6.11	83	163	2.600	ug/L #	20
40) 1,2-Dichloropropane	6.12	63	112	2.958	ug/L #	92
46) 1,1,2-Trichloroethane	7.59	97	48	1.533	ug/L #	15
49) 2-Hexanone	8.21	43	53	2.903	ug/L #	39

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032919\
Quantitation Report (Not Reviewed)

Data File : VV009998.D
Acq On : 29 Mar 2019 13:51
Operator : SY/MD
Sample : K2120-04
Misc : 5.36G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5C7RE

Quant Time: Mar 30 04:16:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 04:13:13 2019
Response via : Initial Calibration

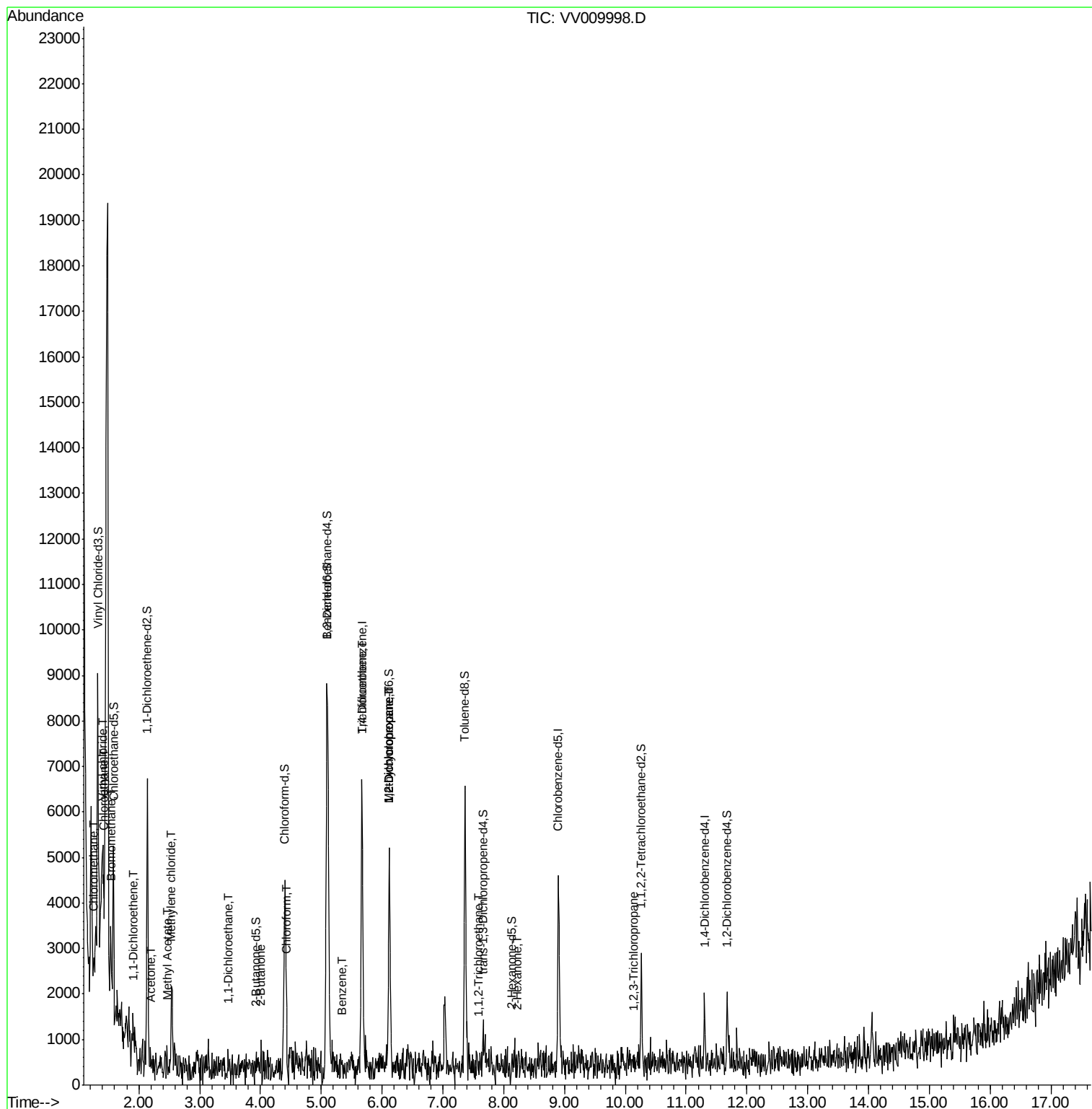
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	10.12	75	46	1.510	ug/L #	1

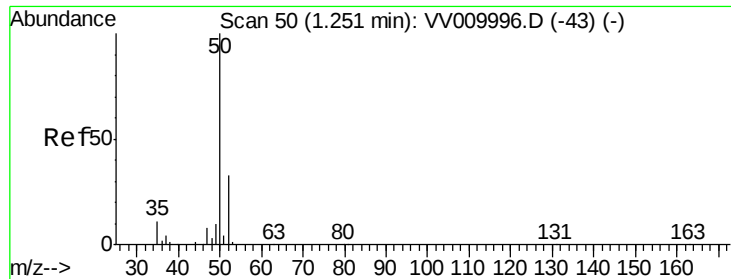
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV009998.D
Acq On : 29 Mar 2019 13:51
Operator : SY/MD
Sample : K2120-04
Misc : 5.36G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5C7RE

Quant Time: Mar 30 04:16:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 04:13:13 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 2.013 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV009998.D

Acq: 29 Mar 2019 13:51

Instrument :

MSVOA_V

ClientSampleId :

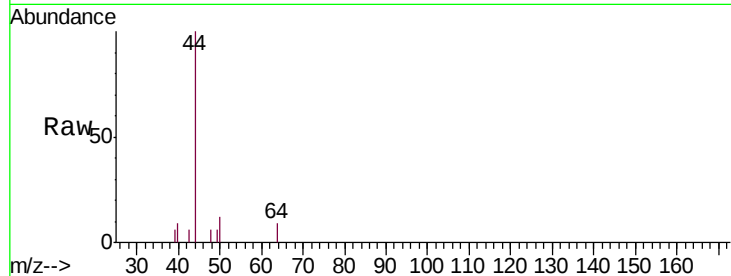
BF5C7RE

Tgt Ion: 50 Resp: 194

Ion Ratio Lower Upper

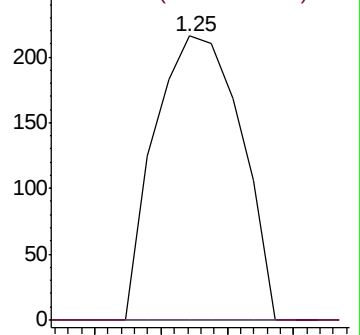
50 100

52 0.0 21.8 40.6#

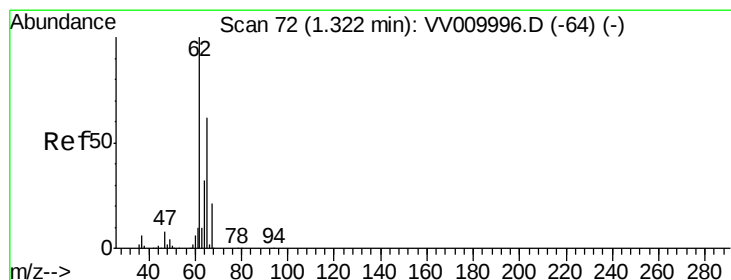
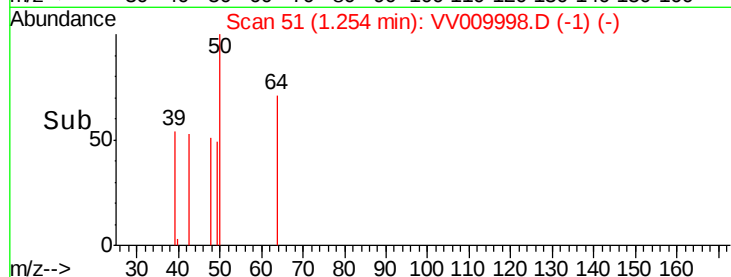


Abundance Ion 50.00 (49.70 to 50.70): VV009996.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009996.D (-43) (-)



Time-->



#5

Vinyl chloride

Concen: 0.431 ug/L

RT: 1.41 min Scan# 99

Delta R.T. 0.09 min

Lab File: VV009998.D

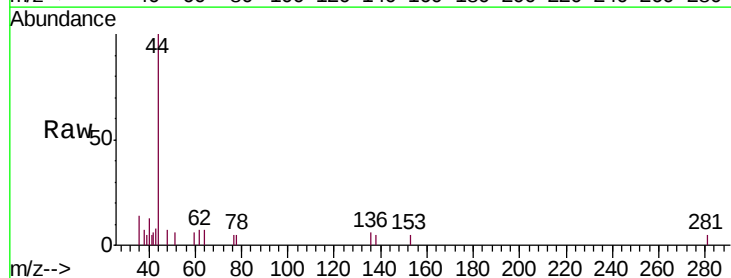
Acq: 29 Mar 2019 13:51

Tgt Ion: 62 Resp: 54

Ion Ratio Lower Upper

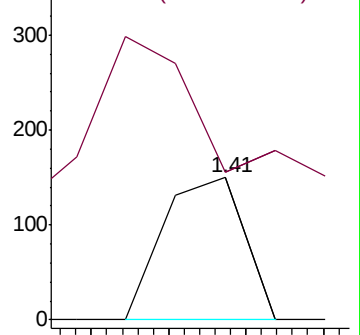
62 100

64 104.0 22.8 42.4#

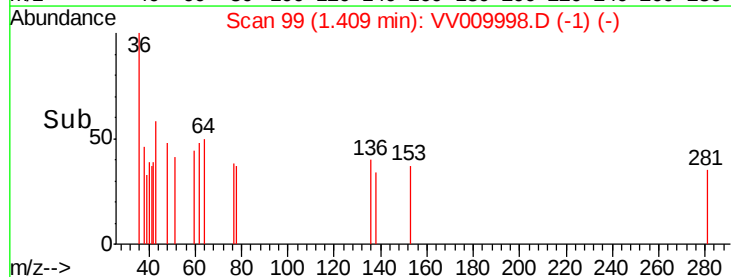


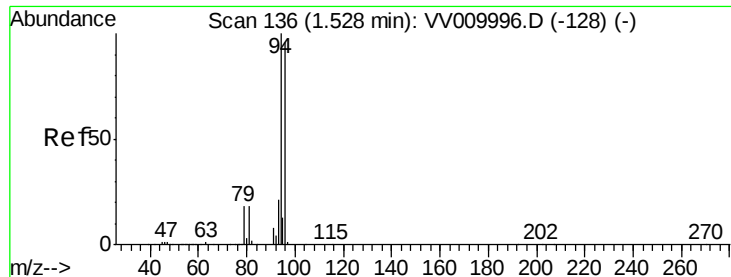
Abundance Ion 62.00 (61.70 to 62.70): VV009996.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV009996.D (-64) (-)



Time-->





#6

Bromomethane

Concen: 0.352 ug/L

RT: 1.55 min Scan# 142

Delta R.T. 0.02 min

Lab File: VV009998.D

Acq: 29 Mar 2019 13:51

Instrument :

MSVOA_V

ClientSampleId :

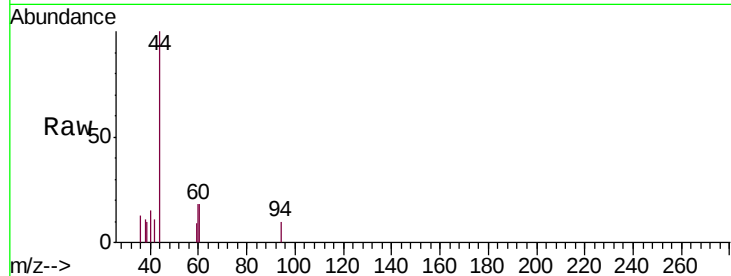
BF5C7RE

Tgt Ion: 94 Resp: 44

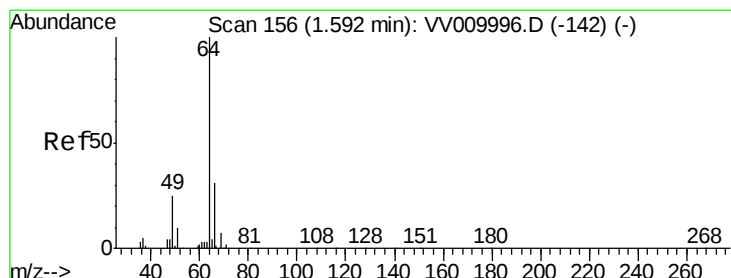
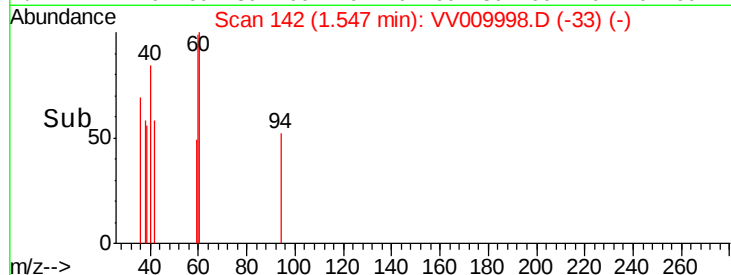
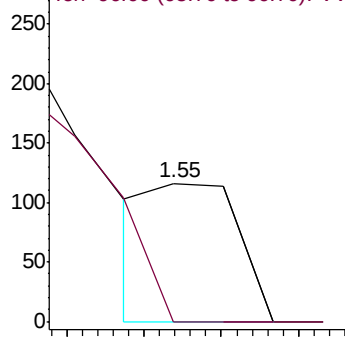
Ion Ratio Lower Upper

94 100

96 622.7 9.4 179.4#



Abundance Ion 94.00 (93.70 to 94.70): VV009998.D (-142) (-)



#8

Chloroethane

Concen: 2.103 ug/L

RT: 1.42 min Scan# 104

Delta R.T. -0.17 min

Lab File: VV009998.D

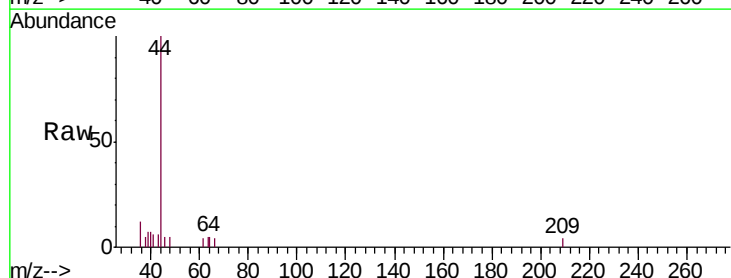
Acq: 29 Mar 2019 13:51

Tgt Ion: 64 Resp: 227

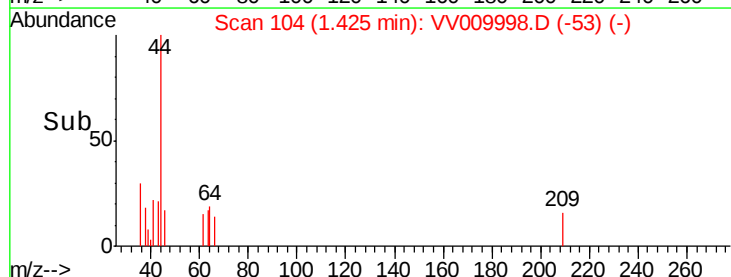
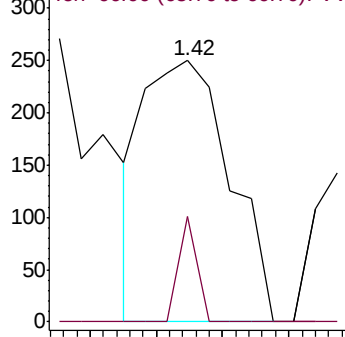
Ion Ratio Lower Upper

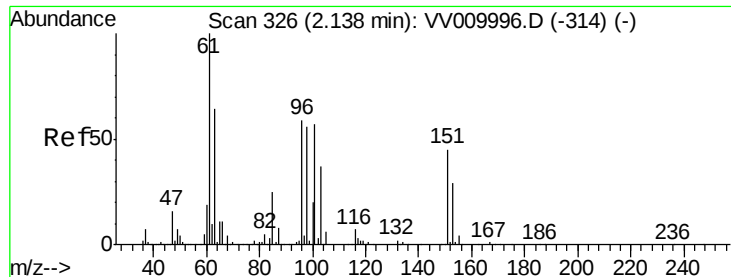
64 100

66 40.4 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VV009998.D (-53) (-)





#12

1,1-Dichloroethene

Concen: 0.516 ug/L

RT: 1.91 min Scan# 256

Delta R.T. -0.22 min

Lab File: VV009998.D

Acq: 29 Mar 2019 13:51

Instrument :

MSVOA_V

ClientSampleId :

BF5C7RE

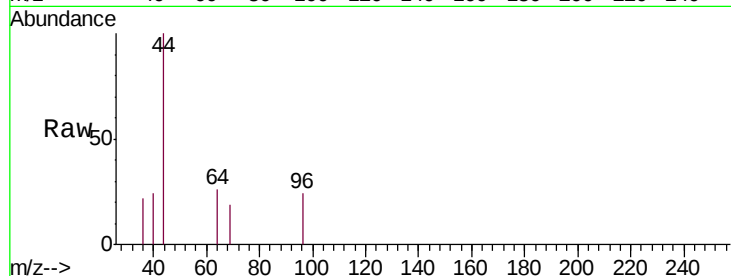
Tgt Ion: 96 Resp: 68

Ion Ratio Lower Upper

96 100

61 0.0 124.3 230.8#

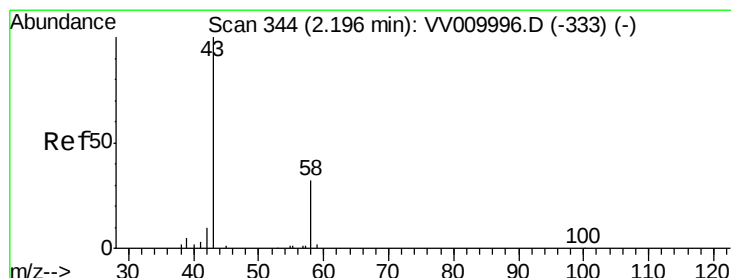
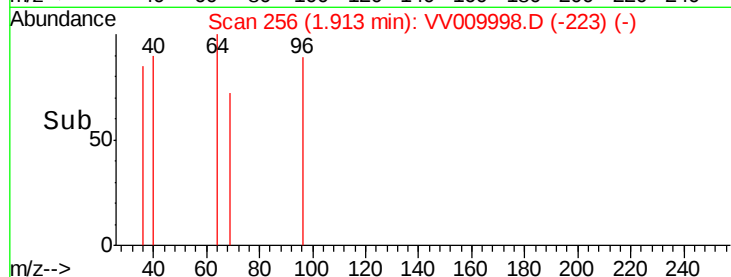
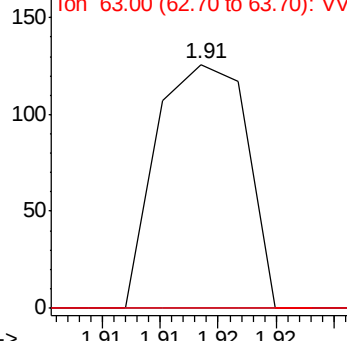
63 0.0 88.2 163.8#



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



#13

Acetone

Concen: 13.261 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV009998.D

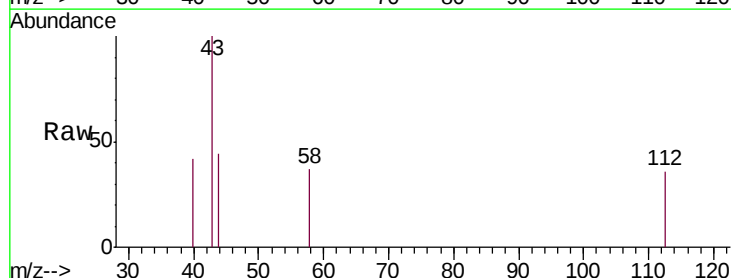
Acq: 29 Mar 2019 13:51

Tgt Ion: 43 Resp: 409

Ion Ratio Lower Upper

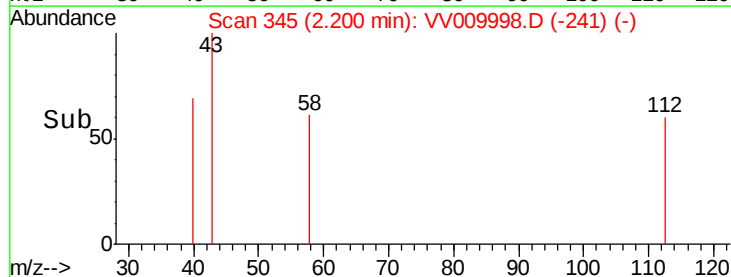
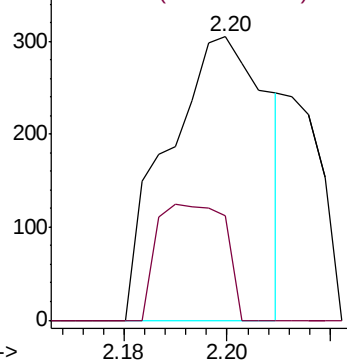
43 100

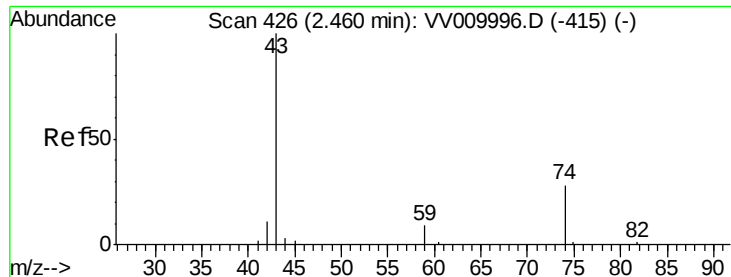
58 22.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#15

Methyl Acetate

Concen: 2.989 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV009998.D

Acq: 29 Mar 2019 13:51

Instrument :

MSVOA_V

ClientSampleId :

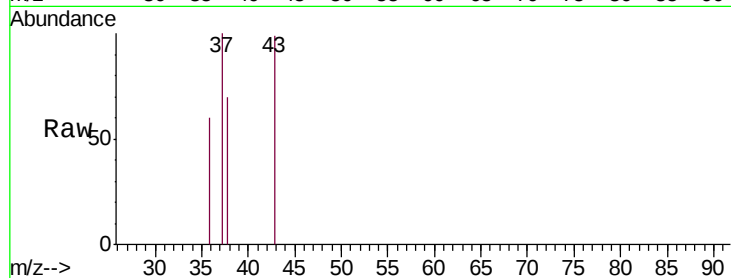
BF5C7RE

Tgt Ion: 43 Resp: 108

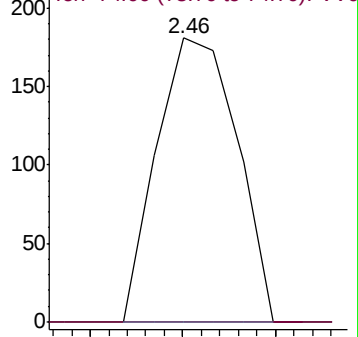
Ion Ratio Lower Upper

43 100

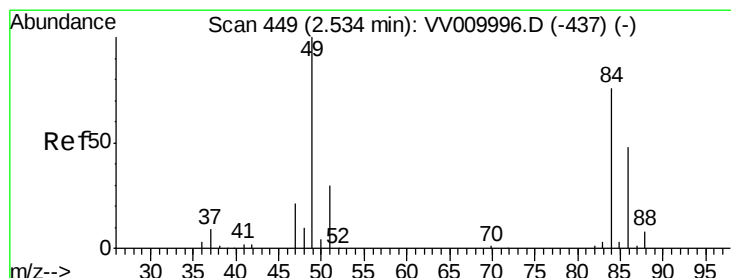
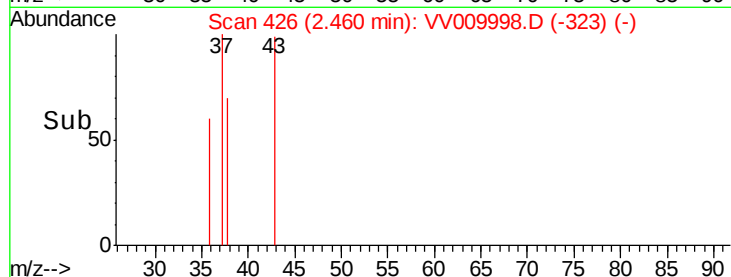
74 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VV009998.D (-415) (-)



Time-->



#16

Methylene chloride

Concen: 3.562 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009998.D

Acq: 29 Mar 2019 13:51

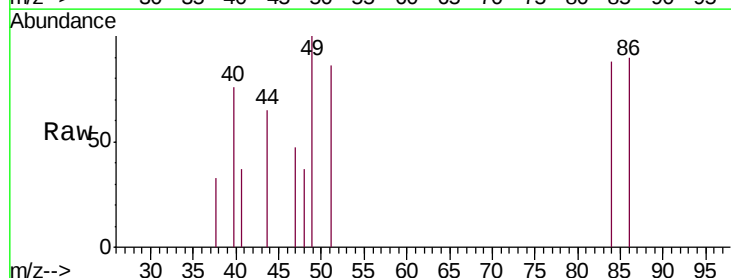
Tgt Ion: 84 Resp: 316

Ion Ratio Lower Upper

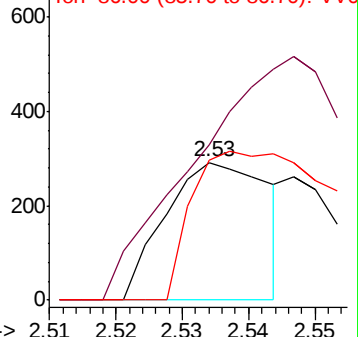
84 100

49 113.0 90.4 167.8

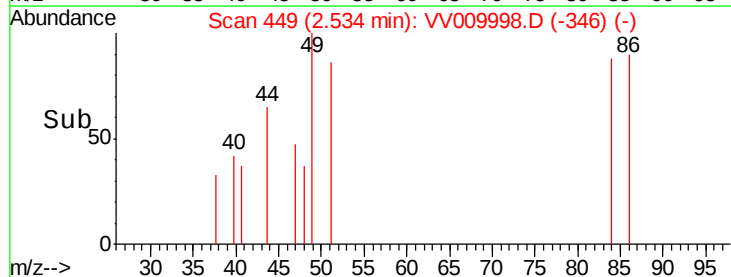
86 101.7 44.0 81.6#

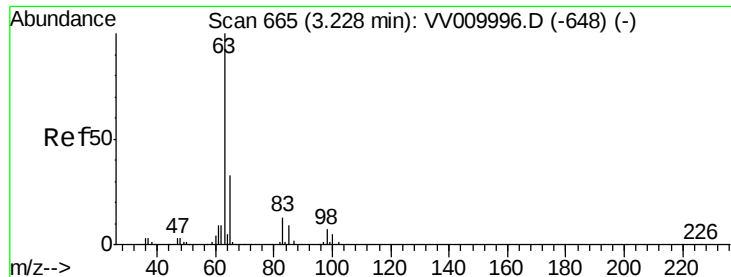


Abundance Ion 84.00 (83.70 to 84.70): VV009998.D (-437) (-)



Time-->





#19

1,1-Dichloroethane

Concen: 0.666 ug/L

RT: 3.46 min Scan# 738

Delta R.T. 0.23 min

Lab File: VV009998.D

Acq: 29 Mar 2019 13:51

Instrument :

MSVOA_V

ClientSampleId :

BF5C7RE

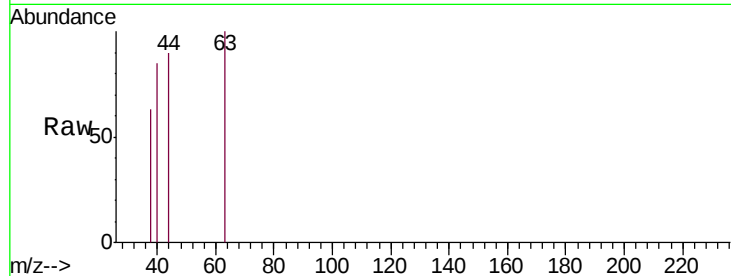
Tgt Ion: 63 Resp: 86

Ion Ratio Lower Upper

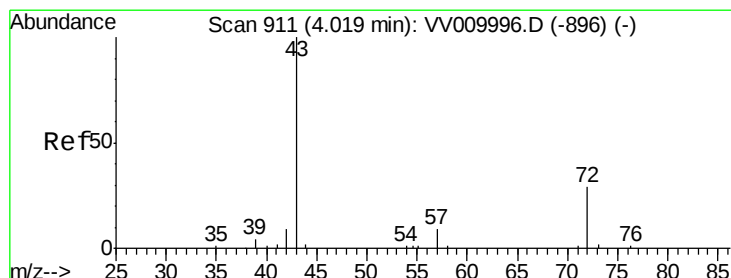
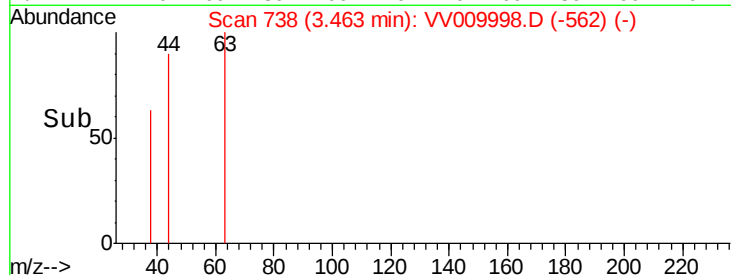
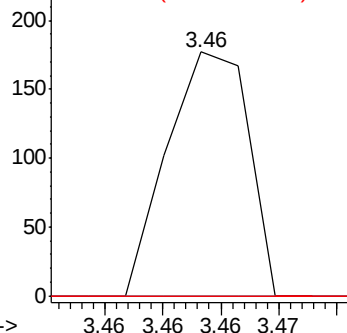
63 100

65 0.0 23.2 43.0#

83 0.0 11.3 21.1#



Abundance Ion 63.00 (62.70 to 63.70): VV009998.D (-562) (-)



#21

2-Butanone

Concen: 1.565 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.02 min

Lab File: VV009998.D

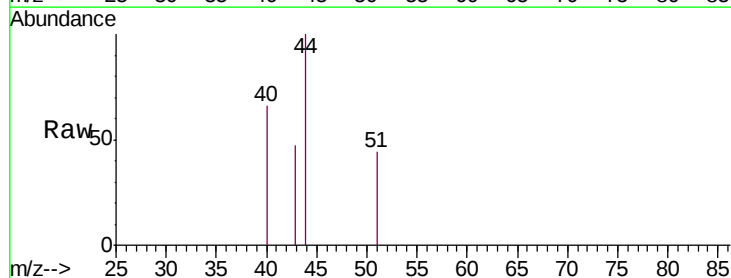
Acq: 29 Mar 2019 13:51

Tgt Ion: 43 Resp: 43

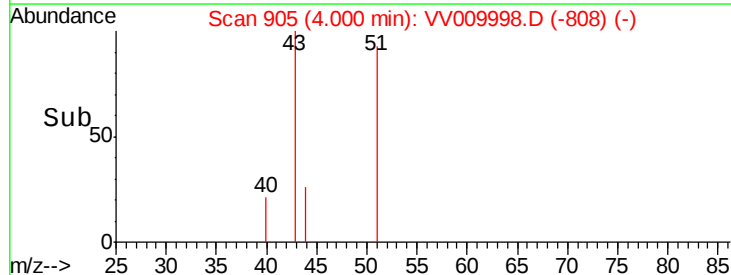
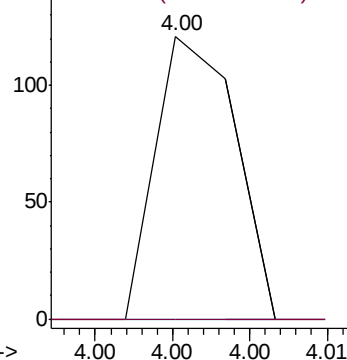
Ion Ratio Lower Upper

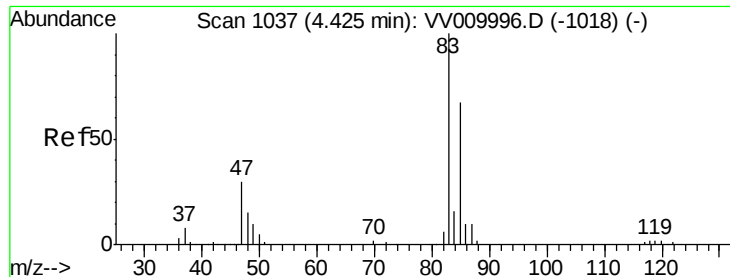
43 100

72 0.0 11.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VV009998.D (-808) (-)

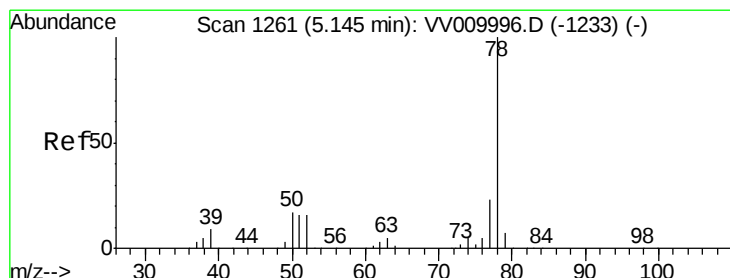
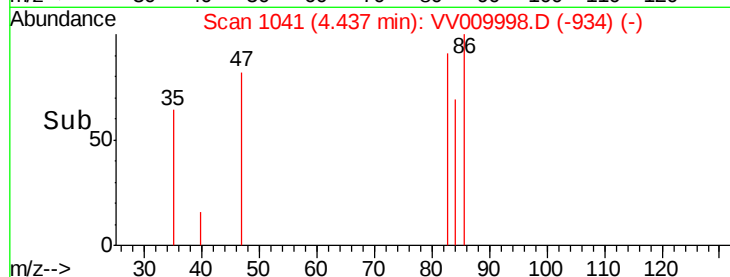
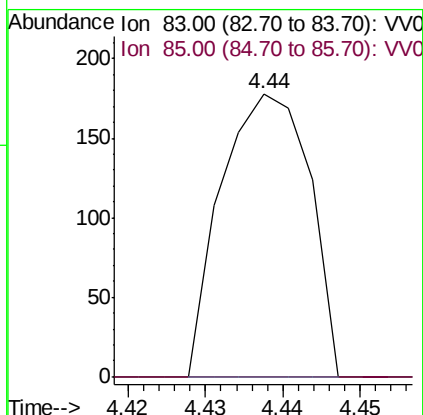
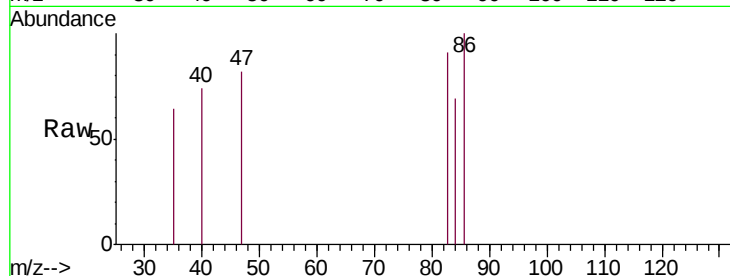




#25
Chloroform
Concen: 0.988 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VV009998.D
Acq: 29 Mar 2019 13:51

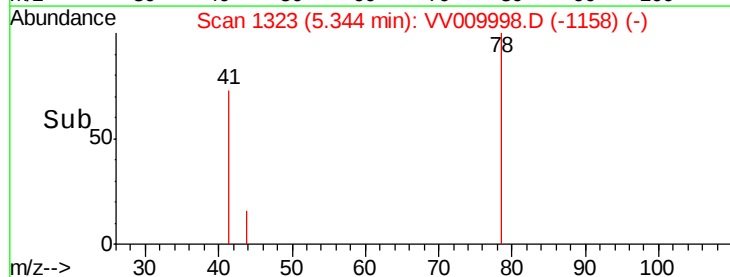
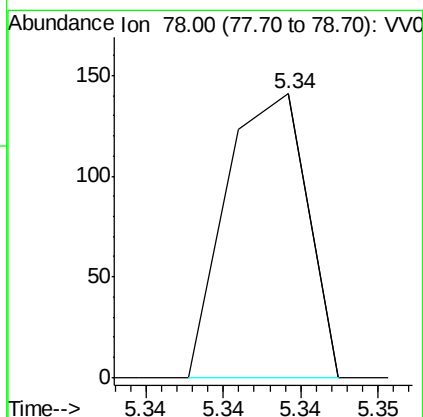
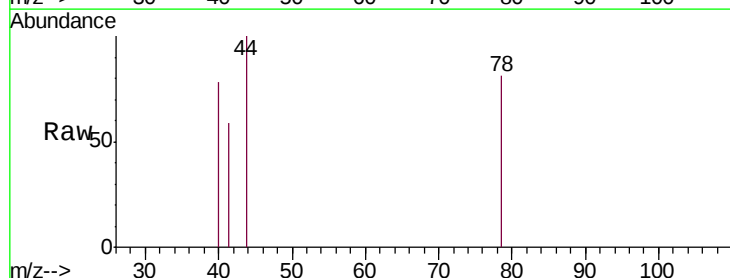
Instrument :
MSVOA_V
ClientSampleId :
BF5C7RE

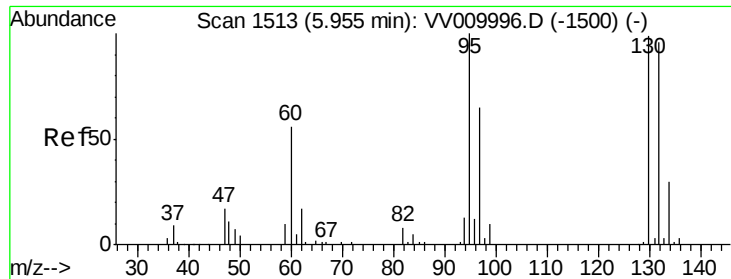
Tgt Ion: 83 Resp: 141
Ion Ratio Lower Upper
83 100
85 0.0 46.1 85.7#



#34
Benzene
Concen: 0.337 ug/L
RT: 5.34 min Scan# 1323
Delta R.T. 0.20 min
Lab File: VV009998.D
Acq: 29 Mar 2019 13:51

Tgt Ion: 78 Resp: 51





#35

Trichloroethene

Concen: 2.552 ug/L

RT: 5.67 min Scan# 1425

Delta R.T. -0.28 min

Lab File: VV009998.D

Acq: 29 Mar 2019 13:51

Instrument :

MSVOA_V

ClientSampleId :

BF5C7RE

Tgt Ion: 95 Resp: 102

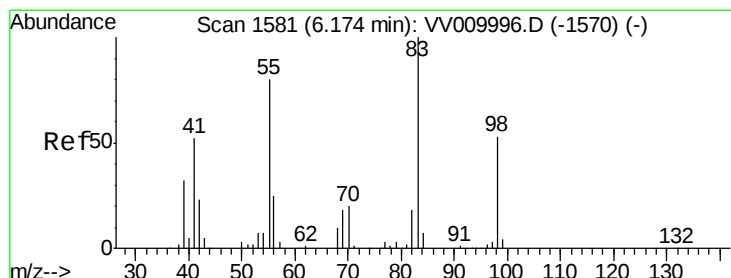
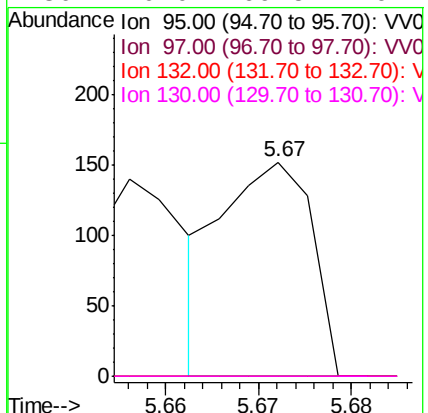
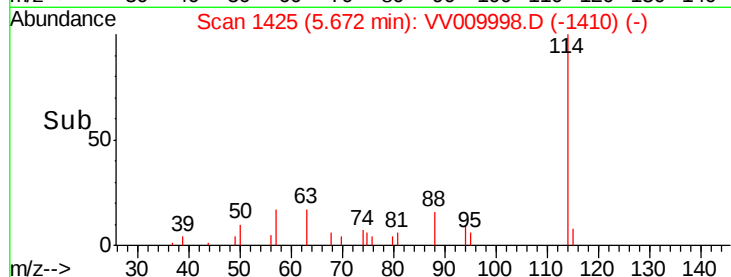
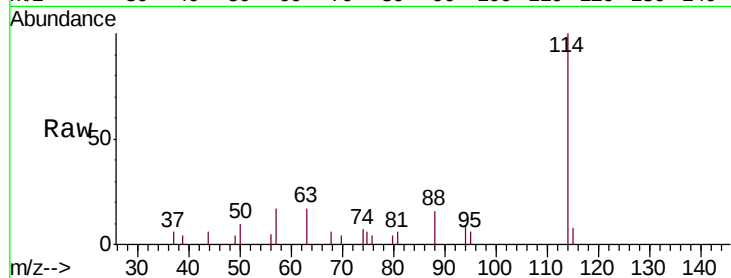
Ion Ratio Lower Upper

95 100

97 0.0 46.3 85.9#

132 0.0 69.3 128.7#

130 0.0 69.5 129.1#



#36

Methylcyclohexane

Concen: 2.600 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV009998.D

Acq: 29 Mar 2019 13:51

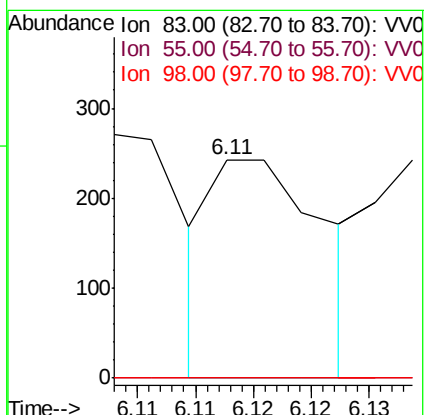
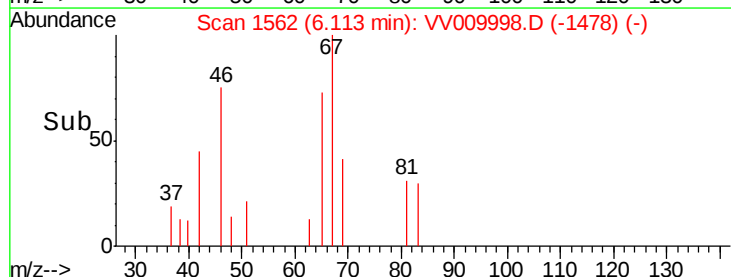
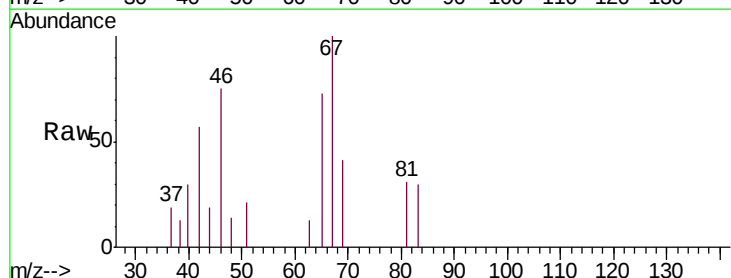
Tgt Ion: 83 Resp: 163

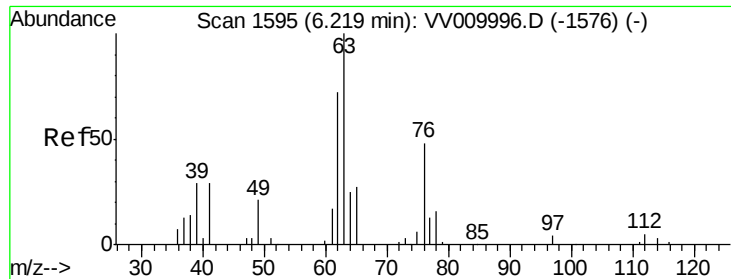
Ion Ratio Lower Upper

83 100

55 0.0 57.3 85.9#

98 0.0 39.2 58.8#





#40

1,2-Dichloropropane

Concen: 2.958 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV009998.D

Acq: 29 Mar 2019 13:51

Instrument :

MSVOA_V

ClientSampleId :

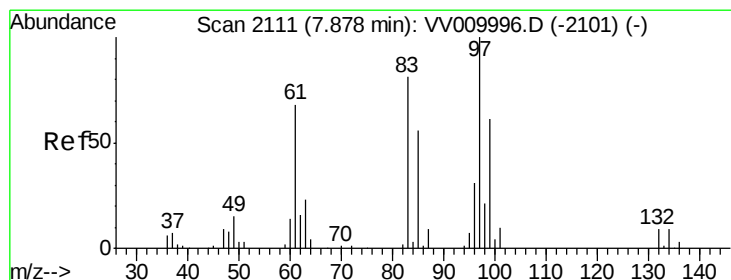
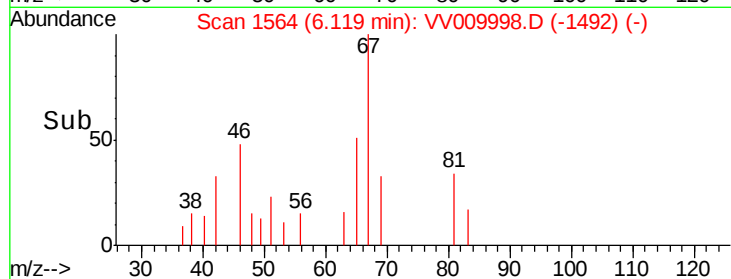
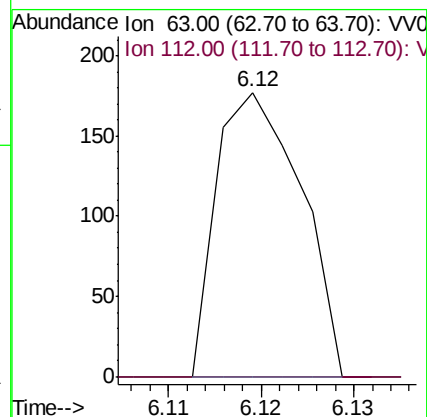
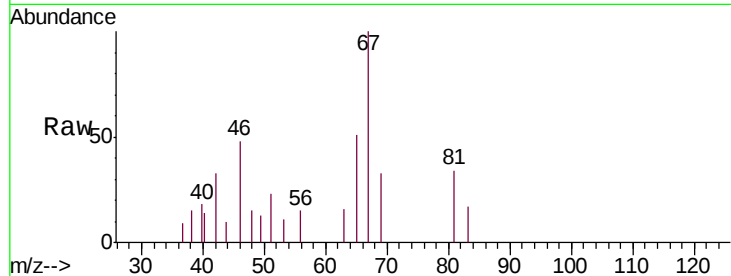
BF5C7RE

Tgt Ion: 63 Resp: 112

Ion Ratio Lower Upper

63 100

112 0.0 2.1 3.1#



#46

1,1,2-Trichloroethane

Concen: 1.533 ug/L

RT: 7.59 min Scan# 2021

Delta R.T. -0.29 min

Lab File: VV009998.D

Acq: 29 Mar 2019 13:51

Tgt Ion: 97 Resp: 48

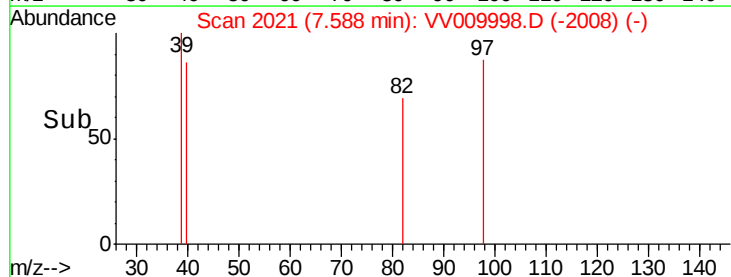
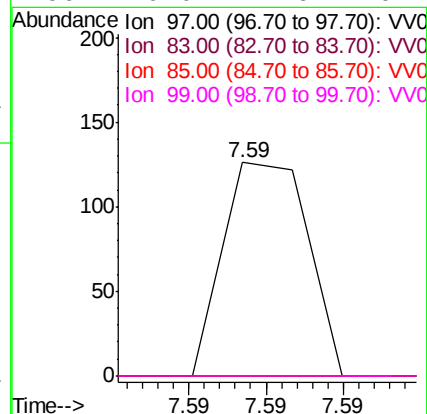
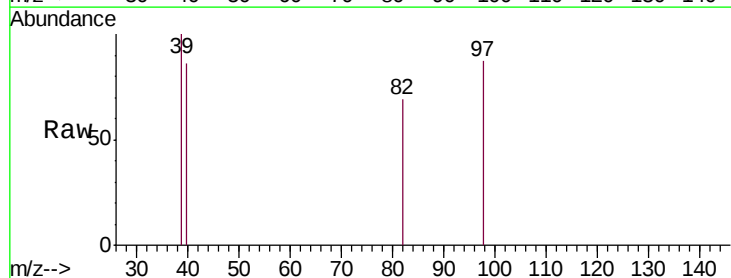
Ion Ratio Lower Upper

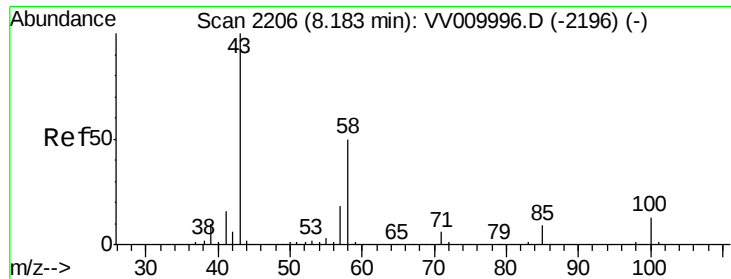
97 100

83 0.0 59.6 110.8#

85 0.0 39.2 72.8#

99 0.0 42.6 79.2#

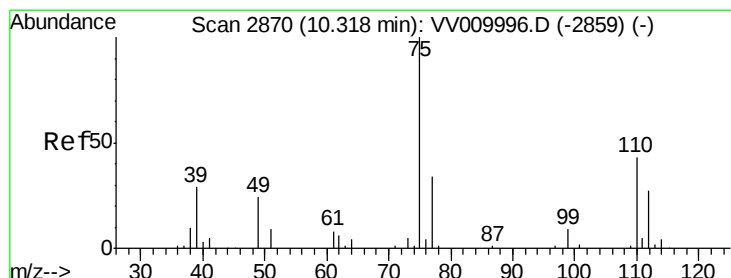
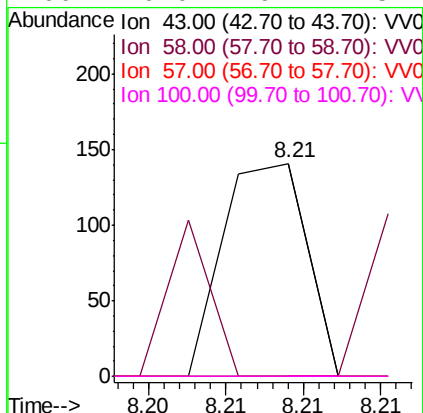
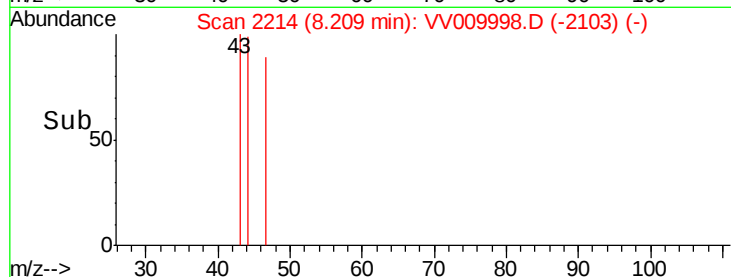
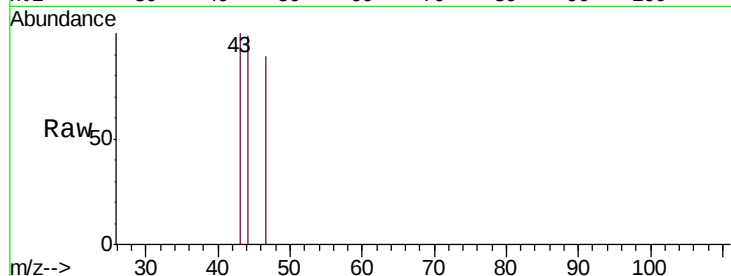




#49
 2-Hexanone
 Concen: 2.903 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.03 min
 Lab File: VV009998.D
 Acq: 29 Mar 2019 13:51

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5C7RE

Tgt Ion:	43	Resp:	53
Ion	Ratio	Lower	Upper
43	100		
58	0.0	42.0	63.0#
57	0.0	12.9	19.3#
100	0.0	9.1	13.7#



#59
 1,2,3-Trichloropropane
 Concen: 1.510 ug/L
 RT: 10.12 min Scan# 2808
 Delta R.T. -0.20 min
 Lab File: VV009998.D
 Acq: 29 Mar 2019 13:51

Tgt Ion:	75	Resp:	46
Ion	Ratio	Lower	Upper
75	100		
77	100.0	26.2	39.2#

