

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030819\
 Data File : VV009551.D
 Acq On : 08 Mar 2019 20:43
 Operator : SY/MD
 Sample : K1794-01
 Misc : 4.39G/10ML/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5N3

Quant Time: Mar 09 01:28:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 09 01:24:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	109611	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	85935	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	25704	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21834	16.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.20%
7) Chloroethane-d5	1.57	69	41727	21.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.48%
10) 1,1-Dichloroethene-d2	2.12	63	49041	14.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.12%
20) 2-Butanone-d5	3.95	46	14394	32.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.02%
24) Chloroform-d	4.40	84	53908	20.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.56%
26) 1,2-Dichloroethane-d4	5.08	65	35220	23.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.84%
29) Benzene-d6	5.10	84	107223	25.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.76%
33) 1,2-Dichloropropane-d6	6.12	67	33974	27.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.20%
37) Toluene-d8	7.36	98	91353	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.08%
38) trans-1,3-Dichloropropene-	7.67	79	9398	15.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	61.76%
39) 2-Hexanone-d5	8.14	63	11038	37.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.32%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	30351	22.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.72%
61) 1,2-Dichlorobenzene-d4	11.68	152	19503	20.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.16%

Target Compounds

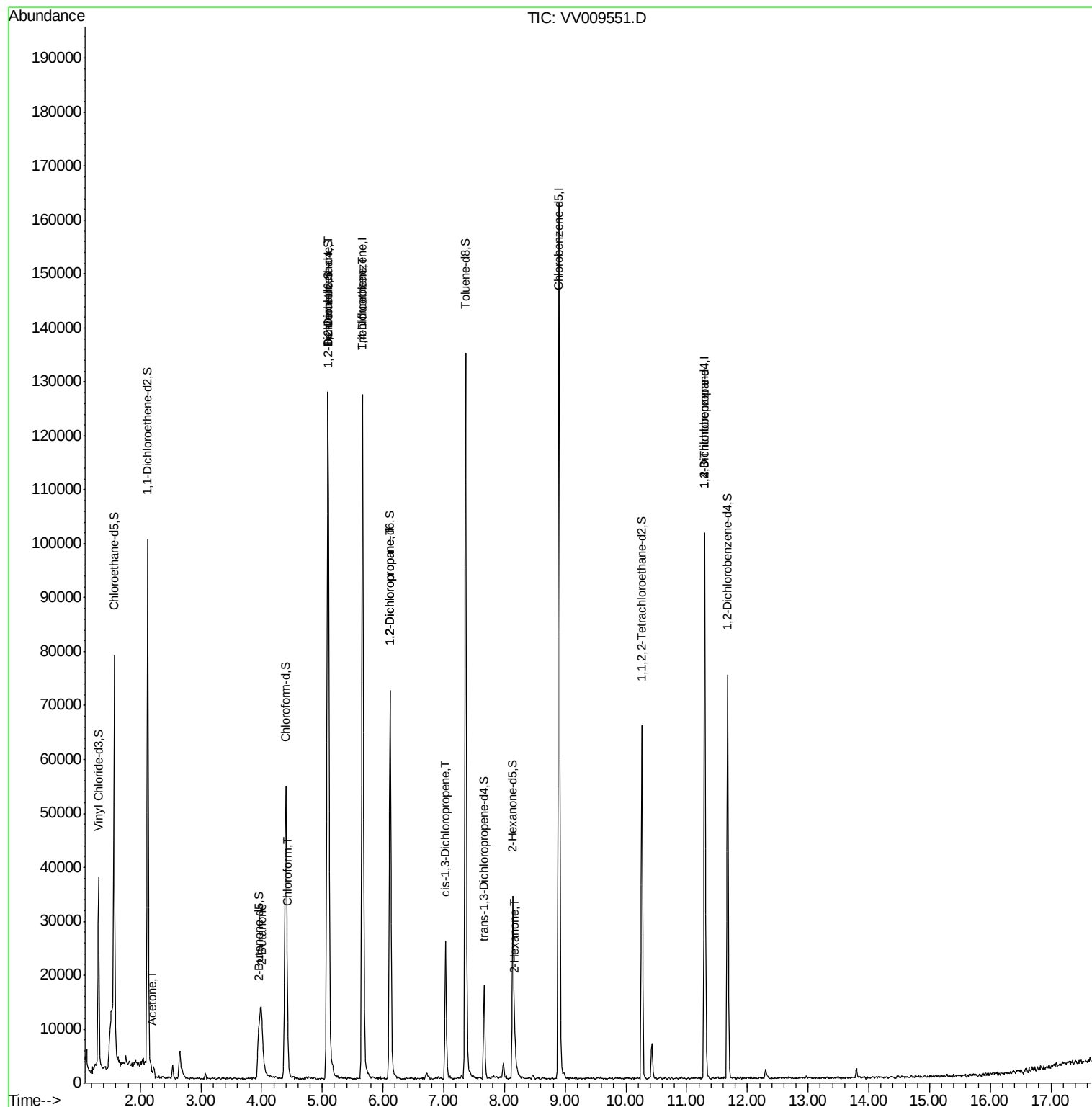
					Qvalue
13) Acetone	2.20	43	959	2.098 ug/L	90
21) 2-Butanone	4.01	43	2531	4.387 ug/L #	48
25) Chloroform	4.43	83	1998	0.776 ug/L	91
27) 1,2-Dichloroethane	5.10	62	596	0.333 ug/L #	77
35) Trichloroethene	5.66	95	2897	2.270 ug/L #	6
40) 1,2-Dichloropropane	6.12	63	4155	3.629 ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	832	0.468 ug/L #	74
49) 2-Hexanone	8.17	43	3709	5.435 ug/L #	45
59) 1,2,3-Trichloropropane	11.30	75	3932	4.061 ug/L	97

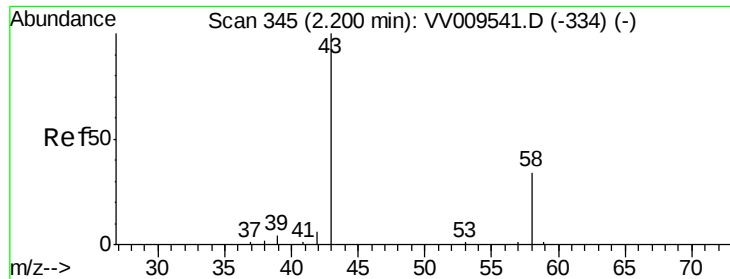
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 09 01:24:39 2019
Response via : Initial Calibration





#13

Acetone

Concen: 2.098 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV009551.D

Acq: 08 Mar 2019 20:43

Instrument :

MSVOA_V

ClientSampleId :

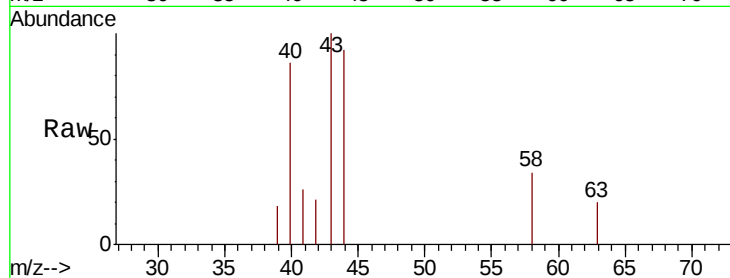
BF5N3

Tgt Ion: 43 Resp: 959

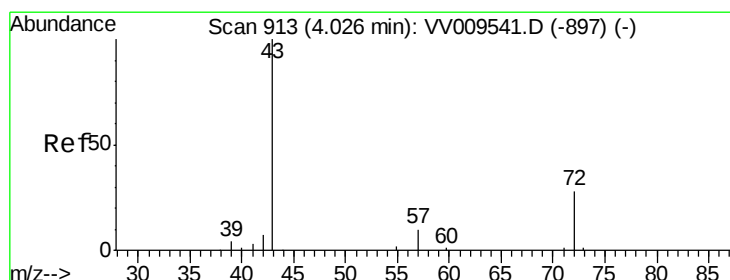
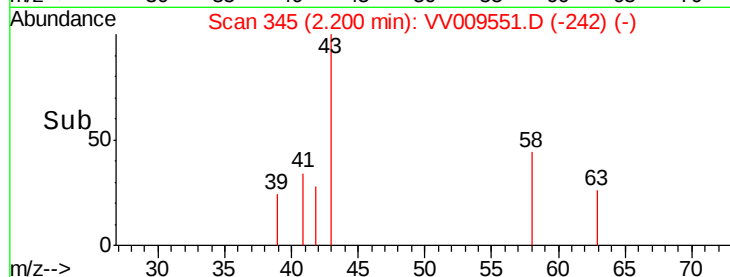
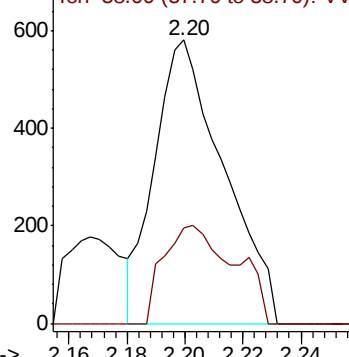
Ion Ratio Lower Upper

43 100

58 28.4 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009551.D (-242) (-)



#21

2-Butanone

Concen: 4.387 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.02 min

Lab File: VV009551.D

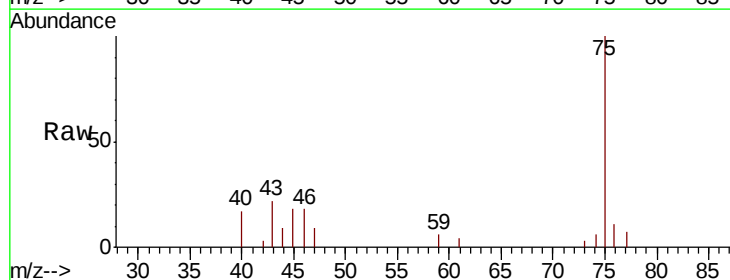
Acq: 08 Mar 2019 20:43

Tgt Ion: 43 Resp: 2531

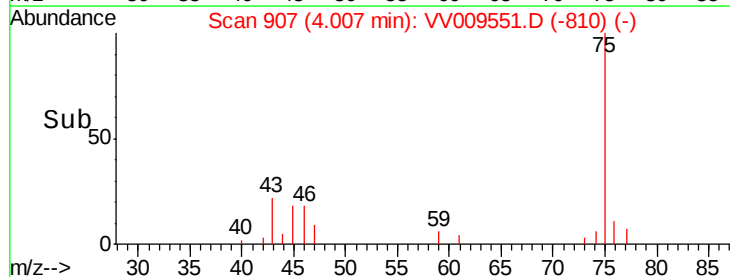
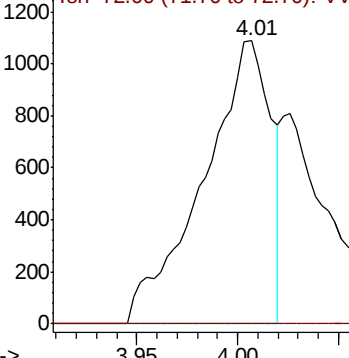
Ion Ratio Lower Upper

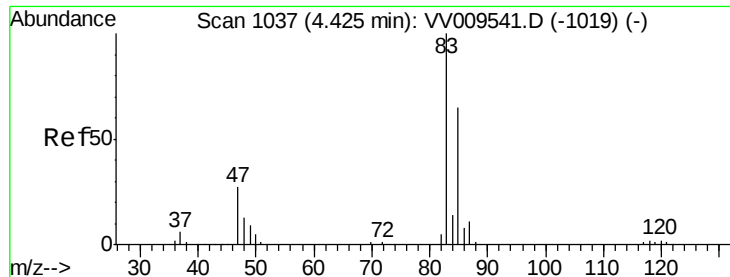
43 100

72 0.0 13.7 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VV009551.D (-810) (-)

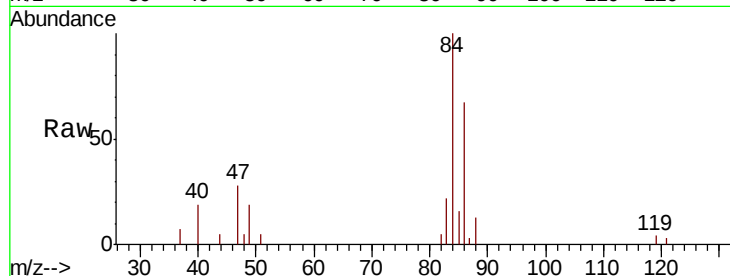




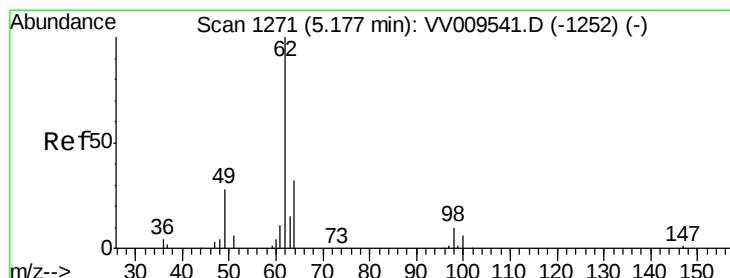
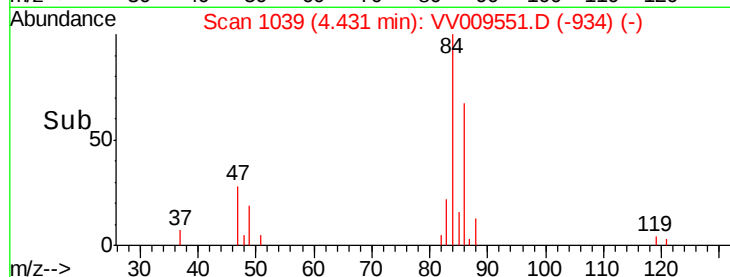
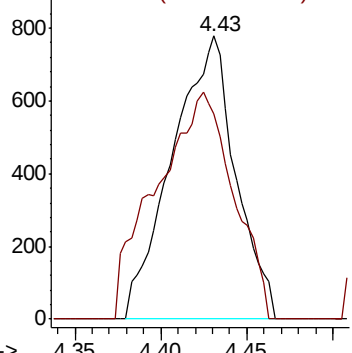
#25
Chloroform
Concen: 0.776 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV009551.D
Acq: 08 Mar 2019 20:43

Instrument :
MSVOA_V
ClientSampleId :
BF5N3

Tgt Ion: 83 Resp: 1998
Ion Ratio Lower Upper
83 100
85 71.8 45.4 84.2

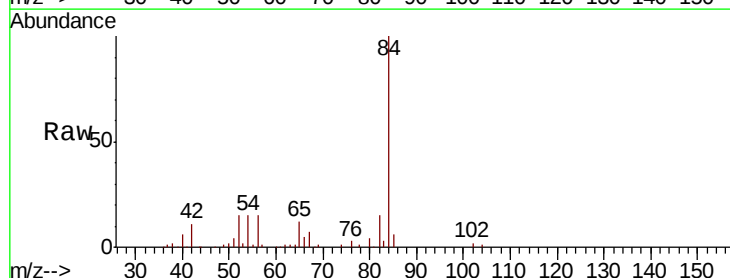


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

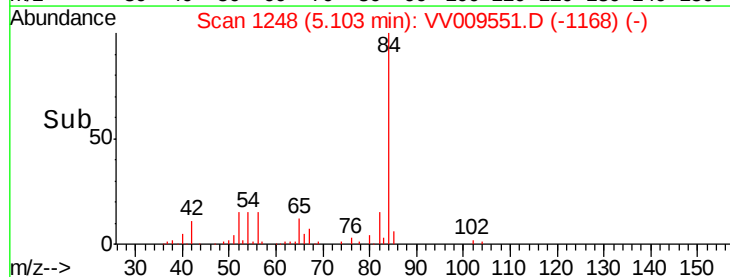
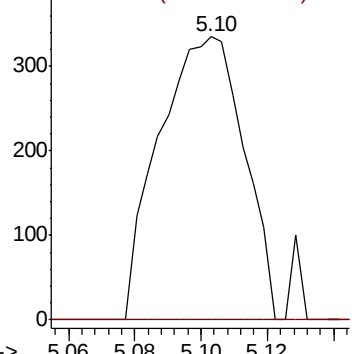


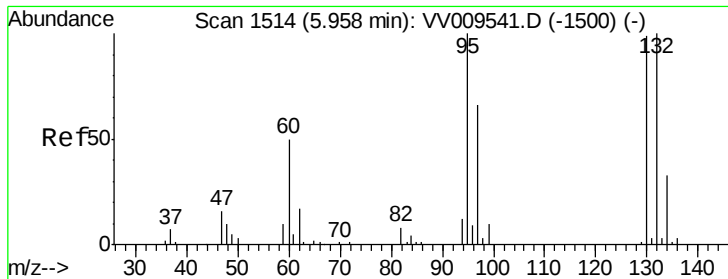
#27
1,2-Dichloroethane
Concen: 0.333 ug/L
RT: 5.10 min Scan# 1248
Delta R.T. -0.07 min
Lab File: VV009551.D
Acq: 08 Mar 2019 20:43

Tgt Ion: 62 Resp: 596
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.00 (97.70 to 98.70): VV0





#35

Trichloroethene

Concen: 2.270 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV009551.D

Acq: 08 Mar 2019 20:43

Instrument :

MSVOA_V

ClientSampleId :

BF5N3

Tgt Ion: 95 Resp: 2897

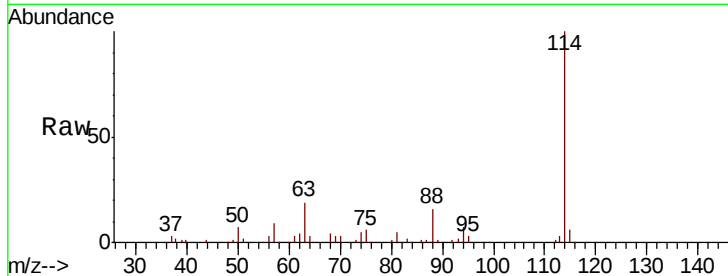
Ion Ratio Lower Upper

95 100

97 0.0 44.3 82.3#

132 0.0 64.4 119.6#

130 0.0 69.4 128.8#

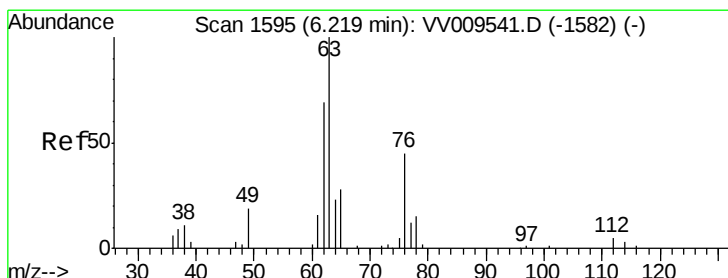
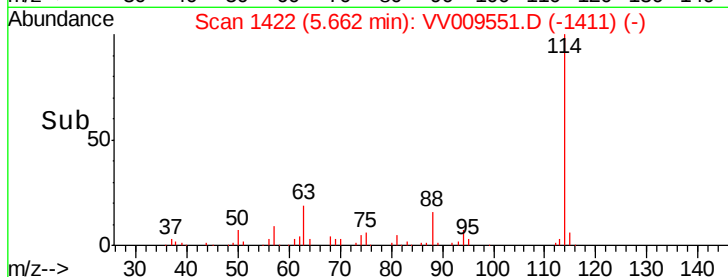
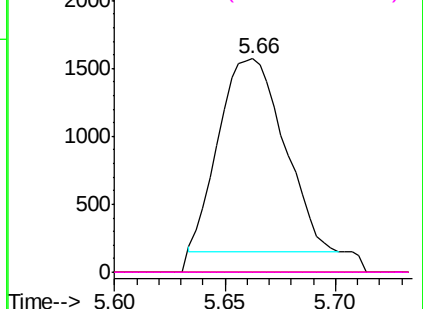


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 3.629 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV009551.D

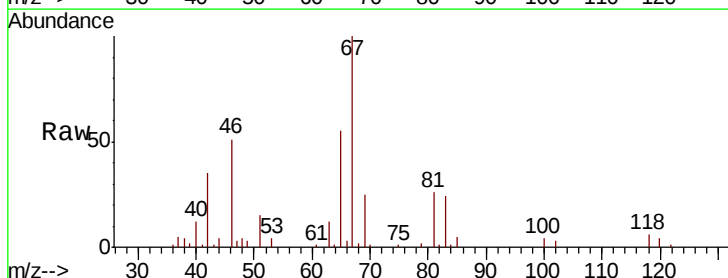
Acq: 08 Mar 2019 20:43

Tgt Ion: 63 Resp: 4155

Ion Ratio Lower Upper

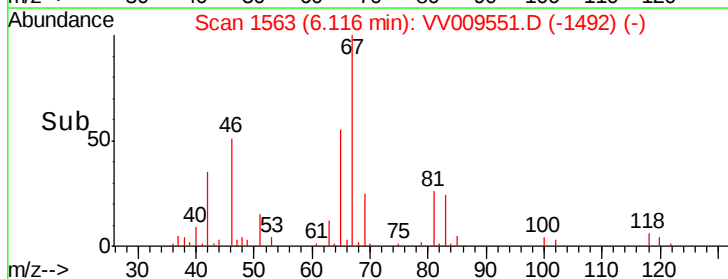
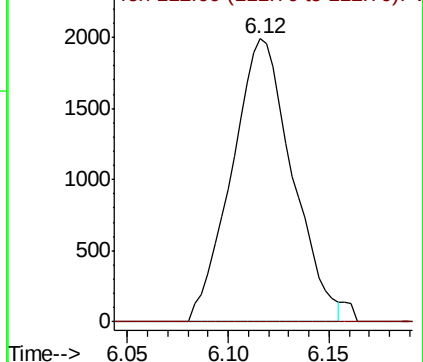
63 100

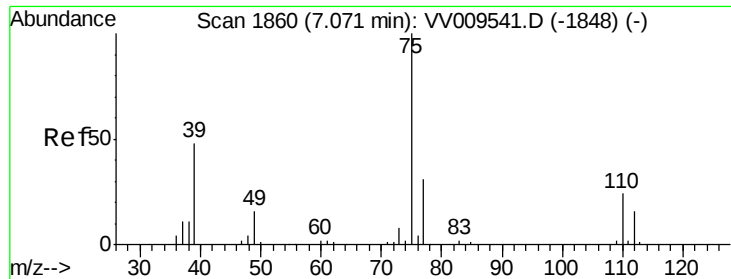
112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

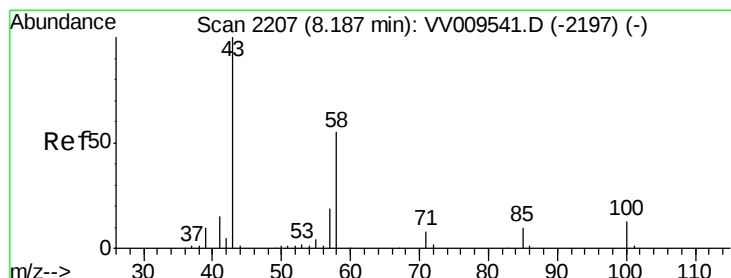
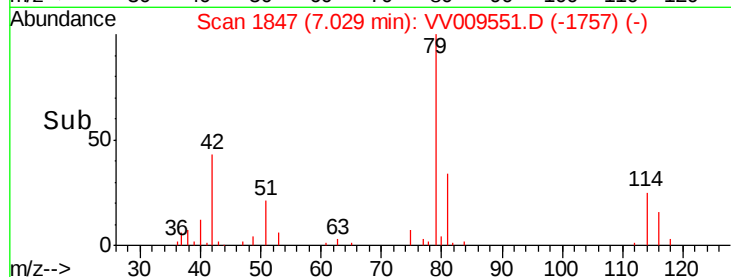
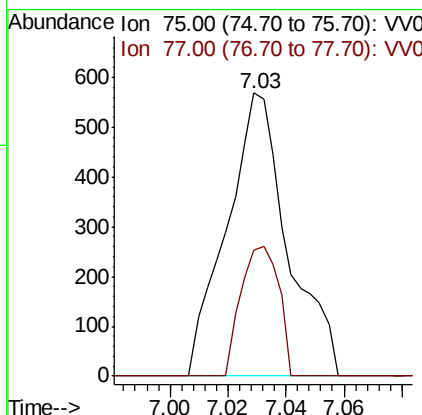
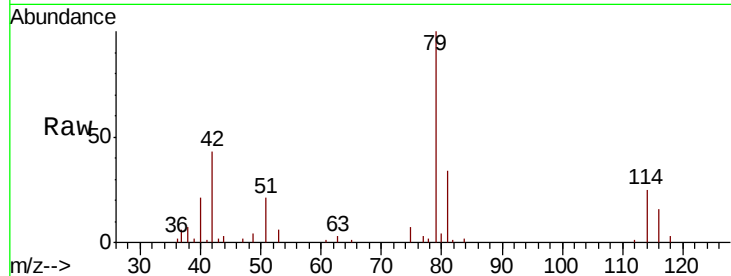




#42
 cis-1,3-Dichloropropene
 Concen: 0.468 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009551.D
 Acq: 08 Mar 2019 20:43

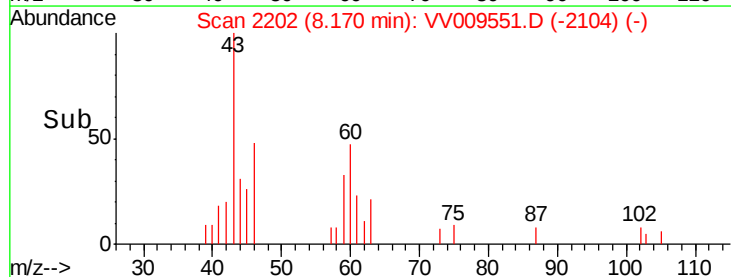
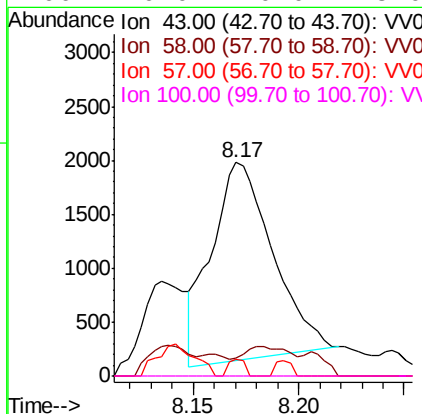
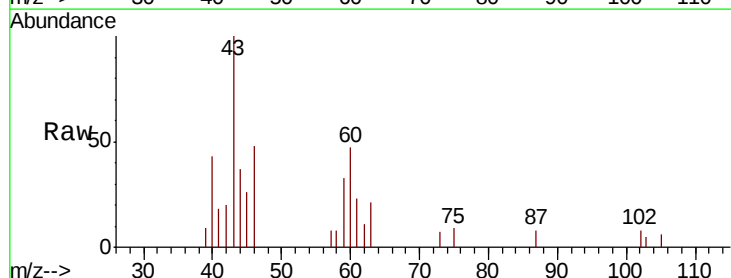
Instrument :
 MSVOA_V
 ClientSampled :
 BF5N3

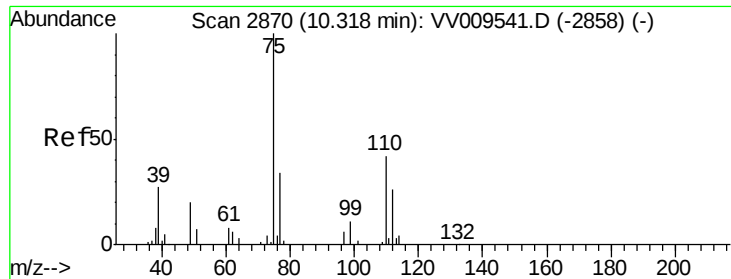
Tgt Ion: 75 Resp: 832
 Ion Ratio Lower Upper
 75 100
 77 44.5 21.4 39.8#



#49
 2-Hexanone
 Concen: 5.435 ug/L
 RT: 8.17 min Scan# 2202
 Delta R.T. -0.02 min
 Lab File: VV009551.D
 Acq: 08 Mar 2019 20:43

Tgt Ion: 43 Resp: 3709
 Ion Ratio Lower Upper
 43 100
 58 8.7 46.3 69.5#
 57 2.3 15.8 23.6#
 100 0.0 10.0 15.0#





#59

1,2,3-Trichloropropane

Concen: 4.061 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009551.D

Acq: 08 Mar 2019 20:43

Instrument :

MSVOA_V

ClientSampleId :

BF5N3

Tgt Ion: 75 Resp: 3932

Ion Ratio Lower Upper

75 100

77 34.2 25.9 38.9

