

Data File : VV009493.D
Acq On : 05 Mar 2019 18:48
Operator : SY/MD
Sample : K1662-03
Misc : 1.80G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFC59

Quant Time: Mar 06 04:15:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 06 04:12:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	172863	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	156891	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66384	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49837	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.80%
7) Chloroethane-d5	1.57	69	79150	26.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.20%
10) 1,1-Dichloroethene-d2	2.13	63	97590	18.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.08%
20) 2-Butanone-d5	3.95	46	22851	32.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.46%
24) Chloroform-d	4.40	84	95717	23.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.96%
26) 1,2-Dichloroethane-d4	5.08	65	55625	23.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.96%
29) Benzene-d6	5.10	84	198914	25.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.40%
33) 1,2-Dichloropropane-d6	6.12	67	58157	25.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.44%
37) Toluene-d8	7.36	98	189138	24.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.88%
38) trans-1,3-Dichloropropene-	7.66	79	23945	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.20%
39) 2-Hexanone-d5	8.14	63	20264	37.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	46994	19.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	58074	23.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.84%

Target Compounds

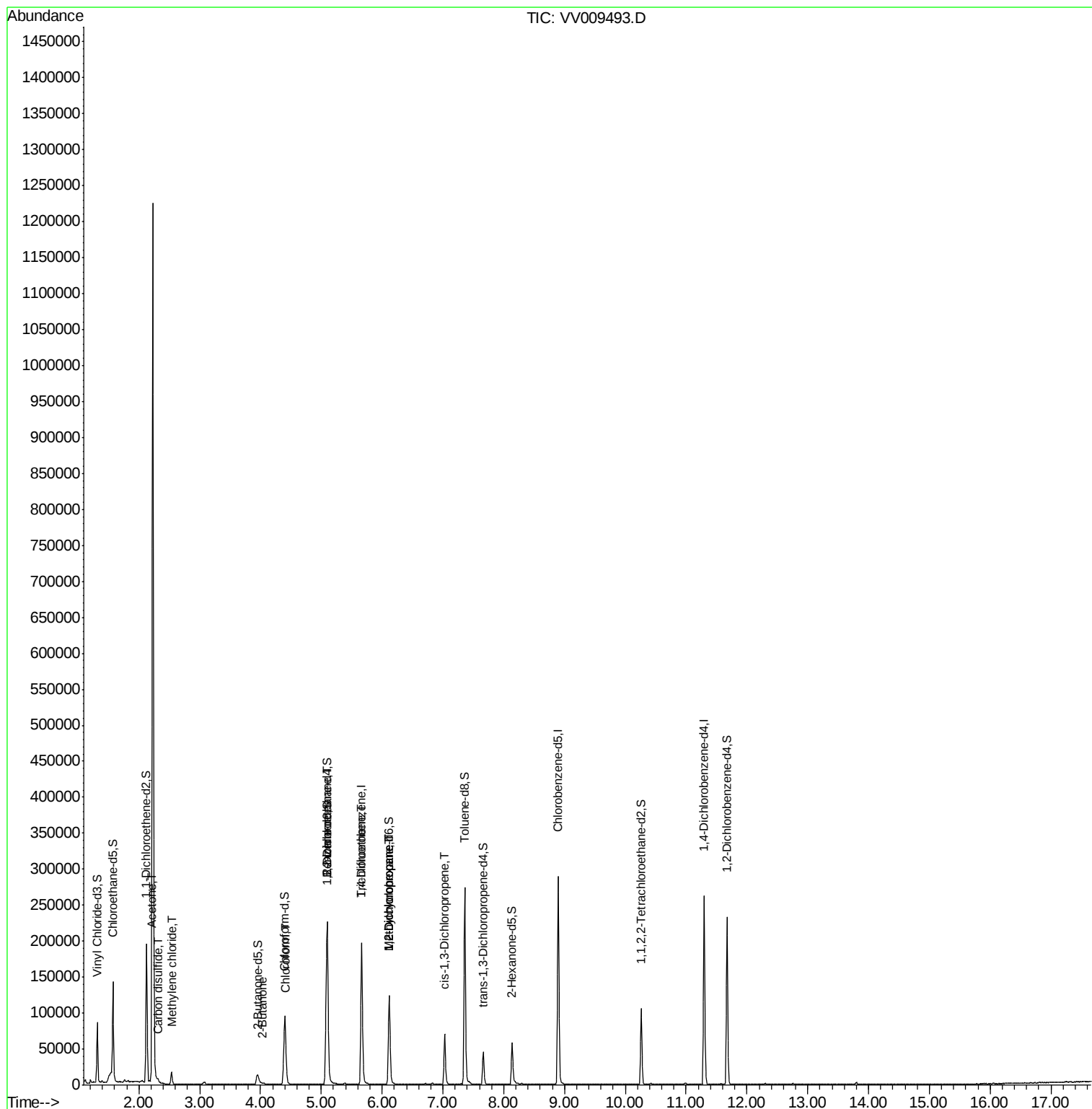
					Qvalue
13) Acetone	2.20	43	6053	8.396 ug/L #	1
14) Carbon disulfide	2.32	76	3034	0.521 ug/L	99
16) Methylene chloride	2.54	84	7158	3.155 ug/L	94
21) 2-Butanone	4.04	43	1082	1.189 ug/L #	69
25) Chloroform	4.42	83	1973	0.486 ug/L #	75
27) 1,2-Dichloroethane	5.10	62	925	0.328 ug/L #	77
35) Trichloroethene	5.66	95	4979	2.137 ug/L #	6
36) Methylcyclohexane	6.12	83	14373	3.787 ug/L #	21
40) 1,2-Dichloropropane	6.12	63	7133	3.412 ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	2130	0.656 ug/L #	62

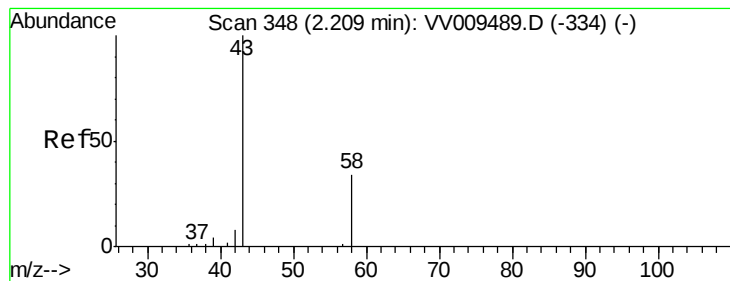
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 8.396 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.01 min

Lab File: VV009493.D

Acq: 05 Mar 2019 18:48

Instrument :

MSVOA_V

ClientSampled :

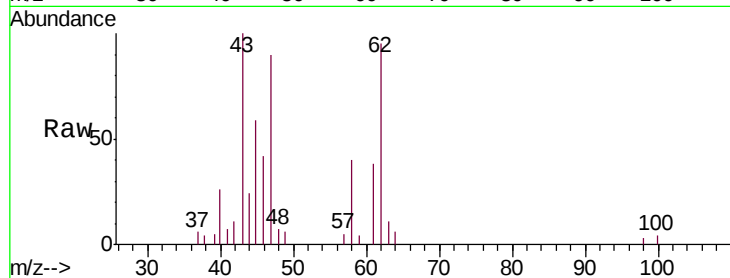
BFC59

Tgt Ion: 43 Resp: 6053

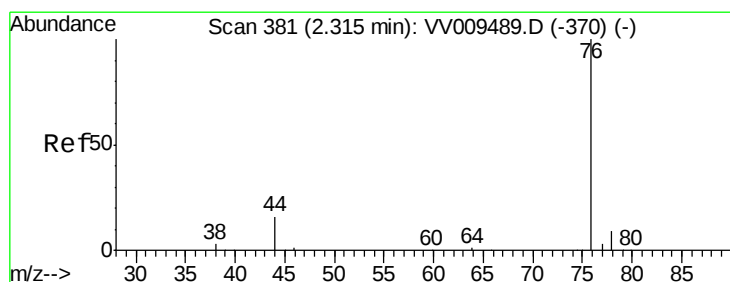
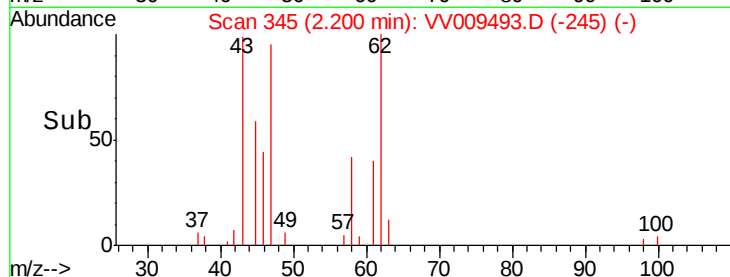
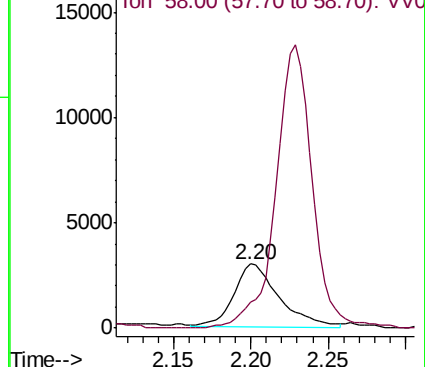
Ion Ratio Lower Upper

43 100

58 361.0 0.0 68.8#



Abundance Ion 43.00 (42.70 to 43.70): VV009489.D (-334) (-)



#14

Carbon disulfide

Concen: 0.521 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009493.D

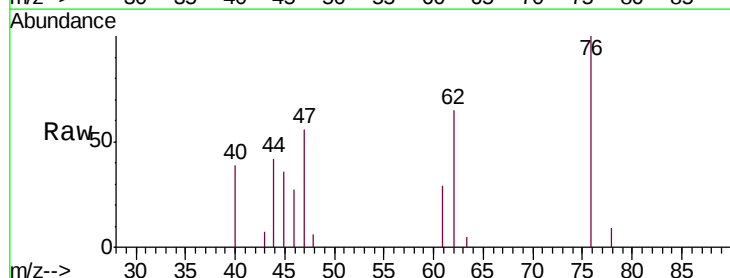
Acq: 05 Mar 2019 18:48

Tgt Ion: 76 Resp: 3034

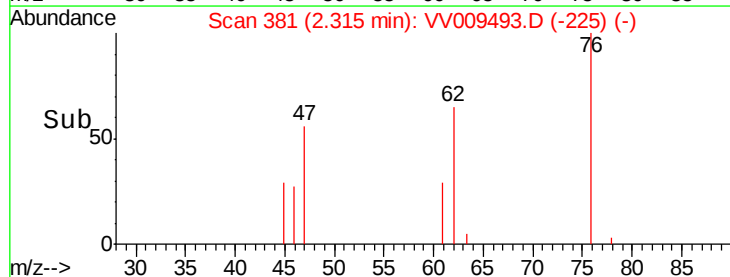
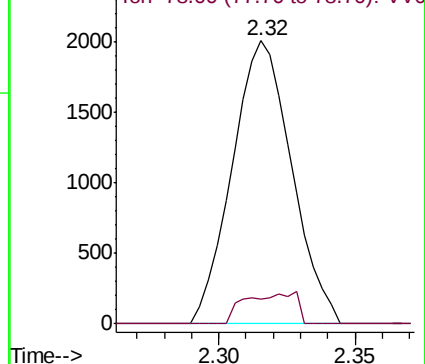
Ion Ratio Lower Upper

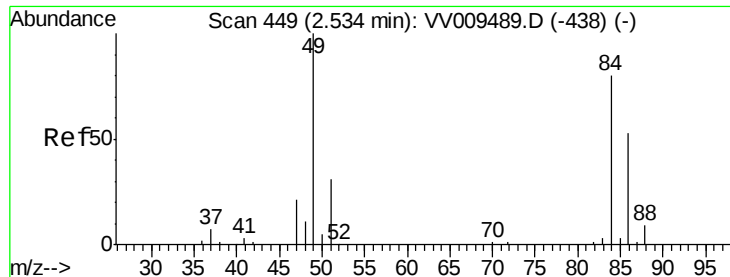
76 100

78 8.9 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009489.D (-370) (-)

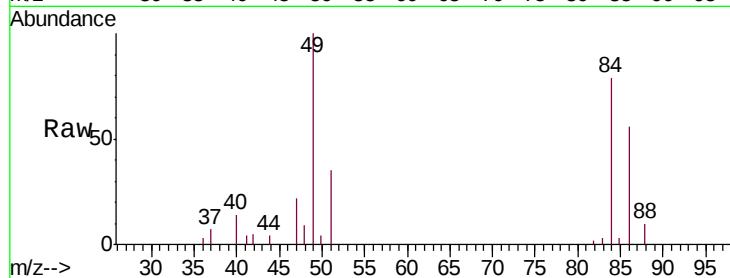




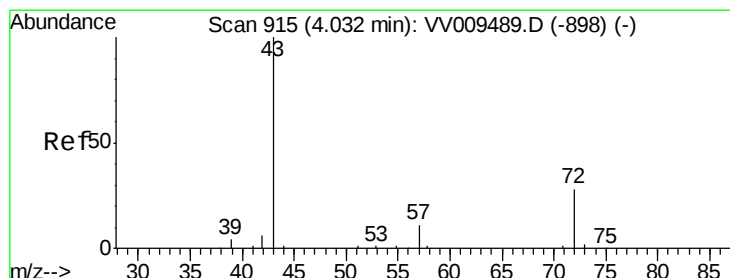
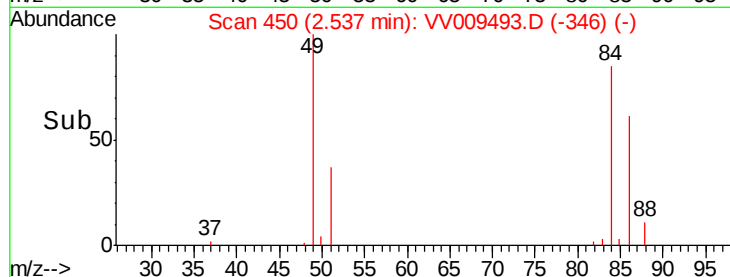
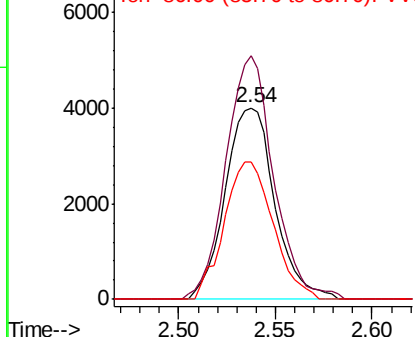
#16
Methylene chloride
Concen: 3.155 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009493.D
Acq: 05 Mar 2019 18:48

Instrument :
MSVOA_V
ClientSampled :
BFC59

Tgt Ion: 84 Resp: 7158
Ion Ratio Lower Upper
84 100
49 127.4 84.6 157.0
86 71.6 46.1 85.7

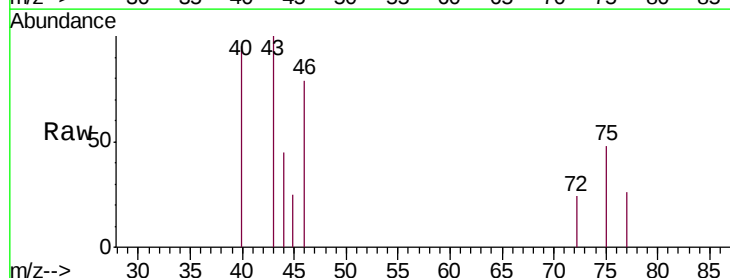


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

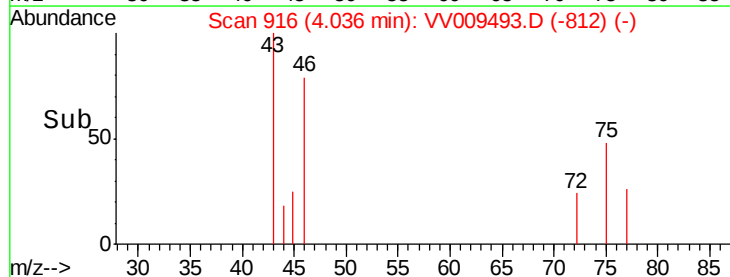
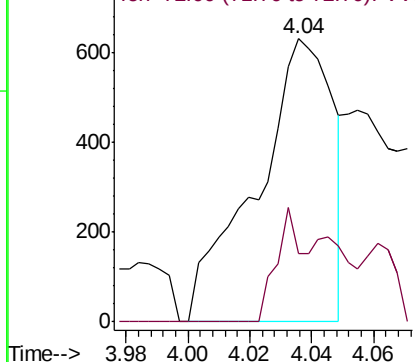


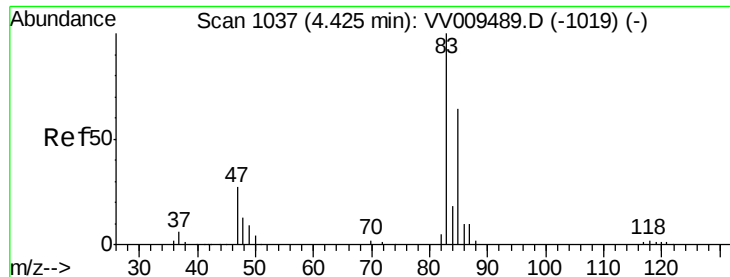
#21
2-Butanone
Concen: 1.189 ug/L
RT: 4.04 min Scan# 916
Delta R.T. 0.00 min
Lab File: VV009493.D
Acq: 05 Mar 2019 18:48

Tgt Ion: 43 Resp: 1082
Ion Ratio Lower Upper
43 100
72 11.4 13.7 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0

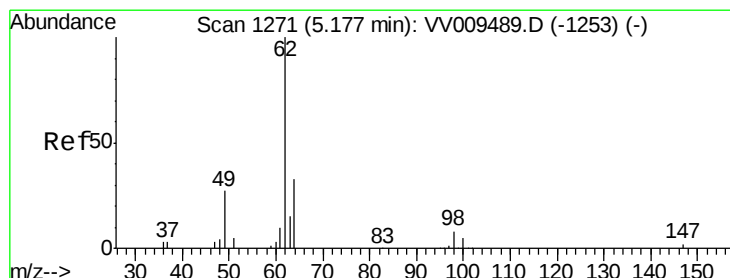
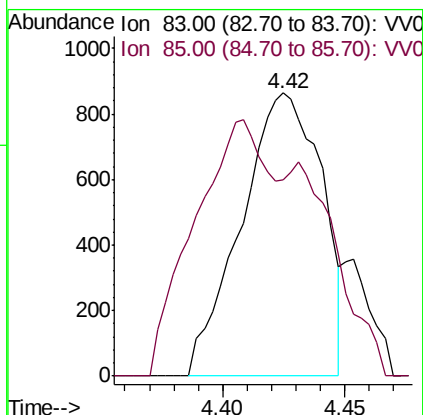
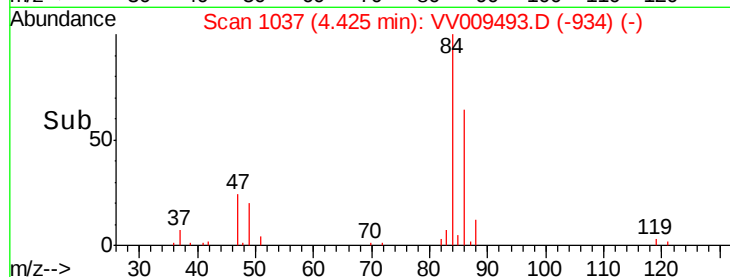
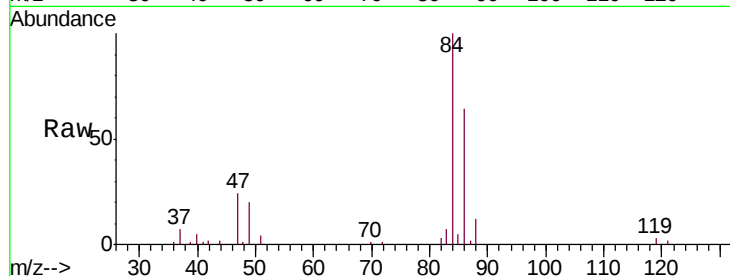




#25
Chloroform
Concen: 0.486 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009493.D
Acq: 05 Mar 2019 18:48

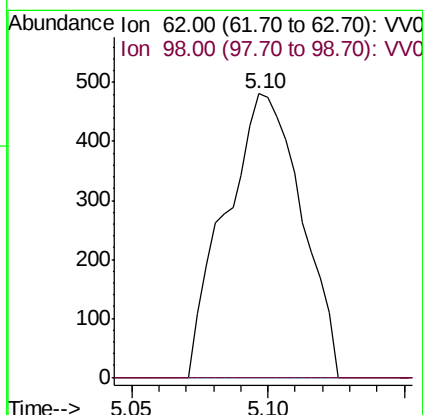
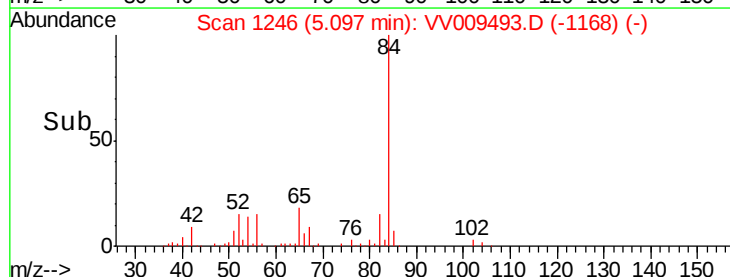
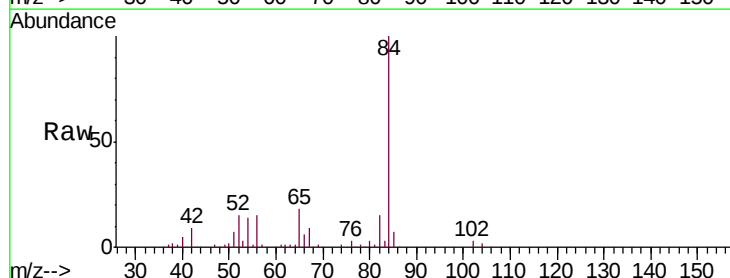
Instrument :
MSVOA_V
ClientSampleId :
BFC59

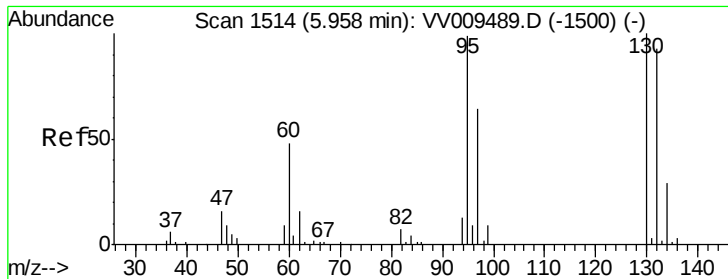
Tgt Ion: 83 Resp: 1973
Ion Ratio Lower Upper
83 100
85 84.3 45.4 84.2#



#27
1,2-Dichloroethane
Concen: 0.328 ug/L
RT: 5.10 min Scan# 1246
Delta R.T. -0.08 min
Lab File: VV009493.D
Acq: 05 Mar 2019 18:48

Tgt Ion: 62 Resp: 925
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#35

Trichloroethene

Concen: 2.137 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV009493.D

Acq: 05 Mar 2019 18:48

Instrument :

MSVOA_V

ClientSampleId :

BFC59

Tgt Ion: 95 Resp: 4979

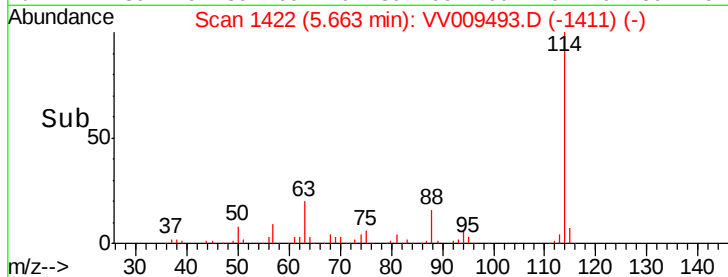
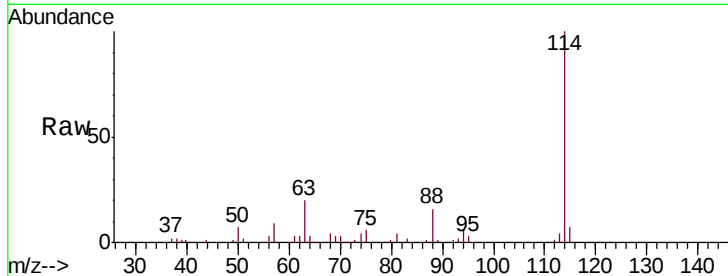
Ion Ratio Lower Upper

95 100

97 0.0 44.3 82.3#

132 0.0 64.4 119.6#

130 0.0 69.4 128.8#

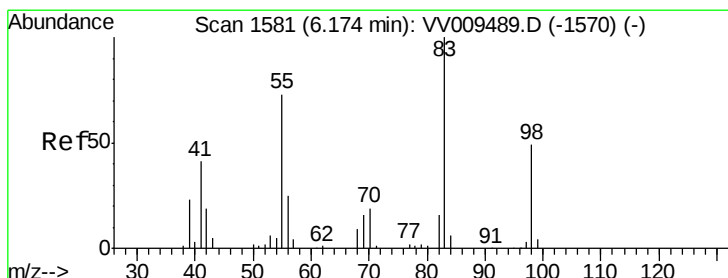
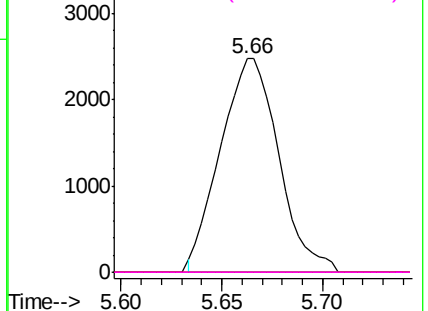


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 3.787 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV009493.D

Acq: 05 Mar 2019 18:48

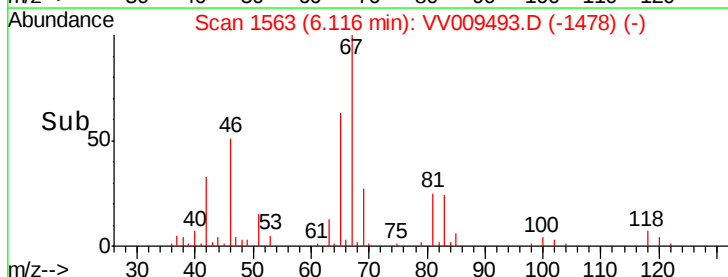
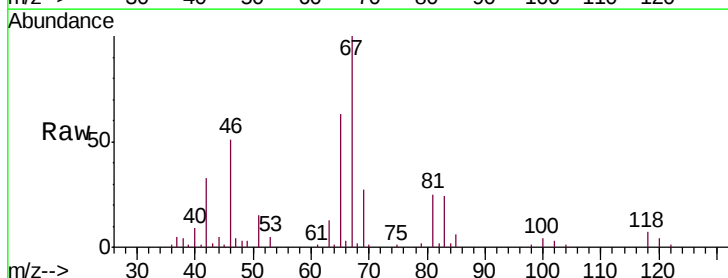
Tgt Ion: 83 Resp: 14373

Ion Ratio Lower Upper

83 100

55 1.1 58.8 88.2#

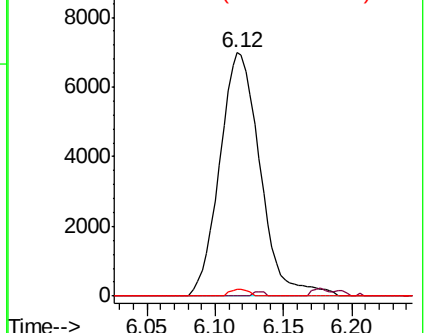
98 1.3 37.7 56.5#

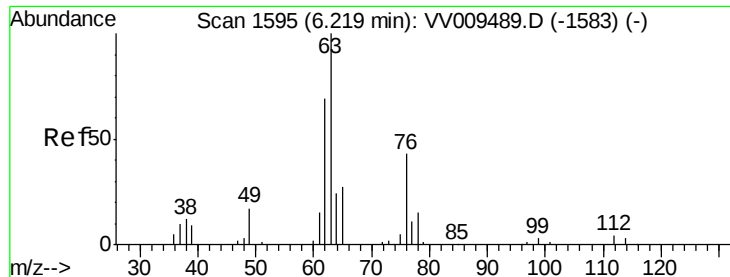


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

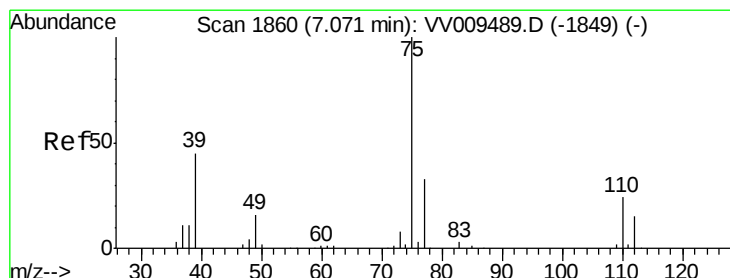
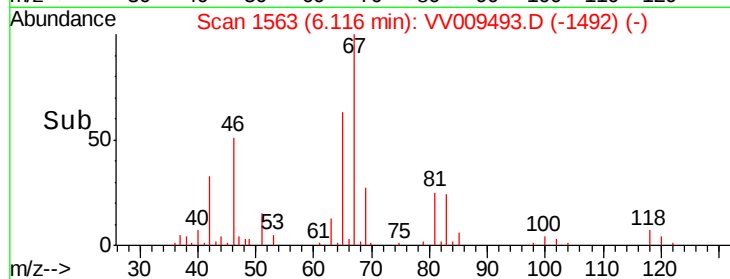
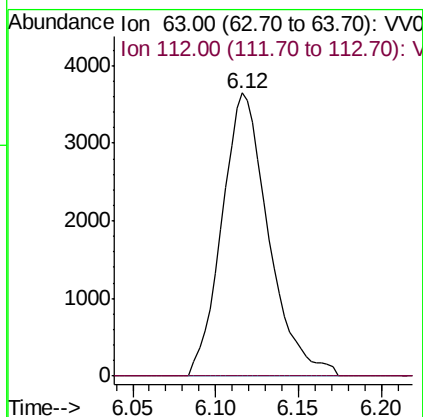
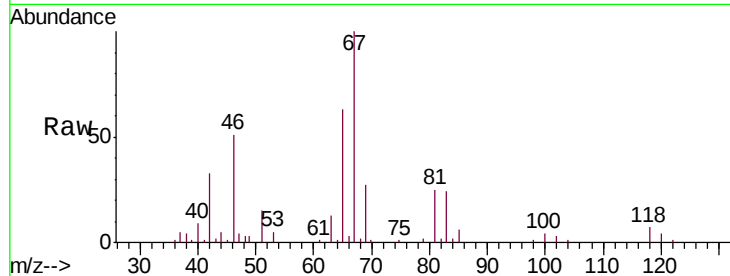




#40
 1,2-Dichloropropane
 Concen: 3.412 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009493.D
 Acq: 05 Mar 2019 18:48

Instrument :
 MSVOA_V
 ClientSampled :
 BFC59

Tgt Ion: 63 Resp: 7133
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.656 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV009493.D
 Acq: 05 Mar 2019 18:48

Tgt Ion: 75 Resp: 2130
 Ion Ratio Lower Upper
 75 100
 77 51.2 21.4 39.8#

