

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030819\
 Data File : VV009558.D
 Acq On : 08 Mar 2019 23:49
 Operator : SY/MD
 Sample : K1818-03
 Misc : 5.57G/10ML/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF2K8

Quant Time: Mar 09 01:29:11 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	5.67	114	148045	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	146587	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	65246	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34304	19.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.00%
7) Chloroethane-d5	1.58	69	67790	26.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.20%
10) 1,1-Dichloroethene-d2	2.13	63	78325	16.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.56%
20) 2-Butanone-d5	3.95	46	29110	47.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.86%
24) Chloroform-d	4.40	84	94354	26.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.00%
26) 1,2-Dichloroethane-d4	5.08	65	58666	29.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.96%
29) Benzene-d6	5.10	84	188963	26.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.12%
33) 1,2-Dichloropropane-d6	6.12	67	59385	27.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.88%
37) Toluene-d8	7.36	98	177656	25.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.40%
38) trans-1,3-Dichloropropene-	7.66	79	23864	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.92%
39) 2-Hexanone-d5	8.14	63	23443	46.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.76%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55781	24.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.72%
61) 1,2-Dichlorobenzene-d4	11.67	152	64265	26.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.92%

Target Compounds

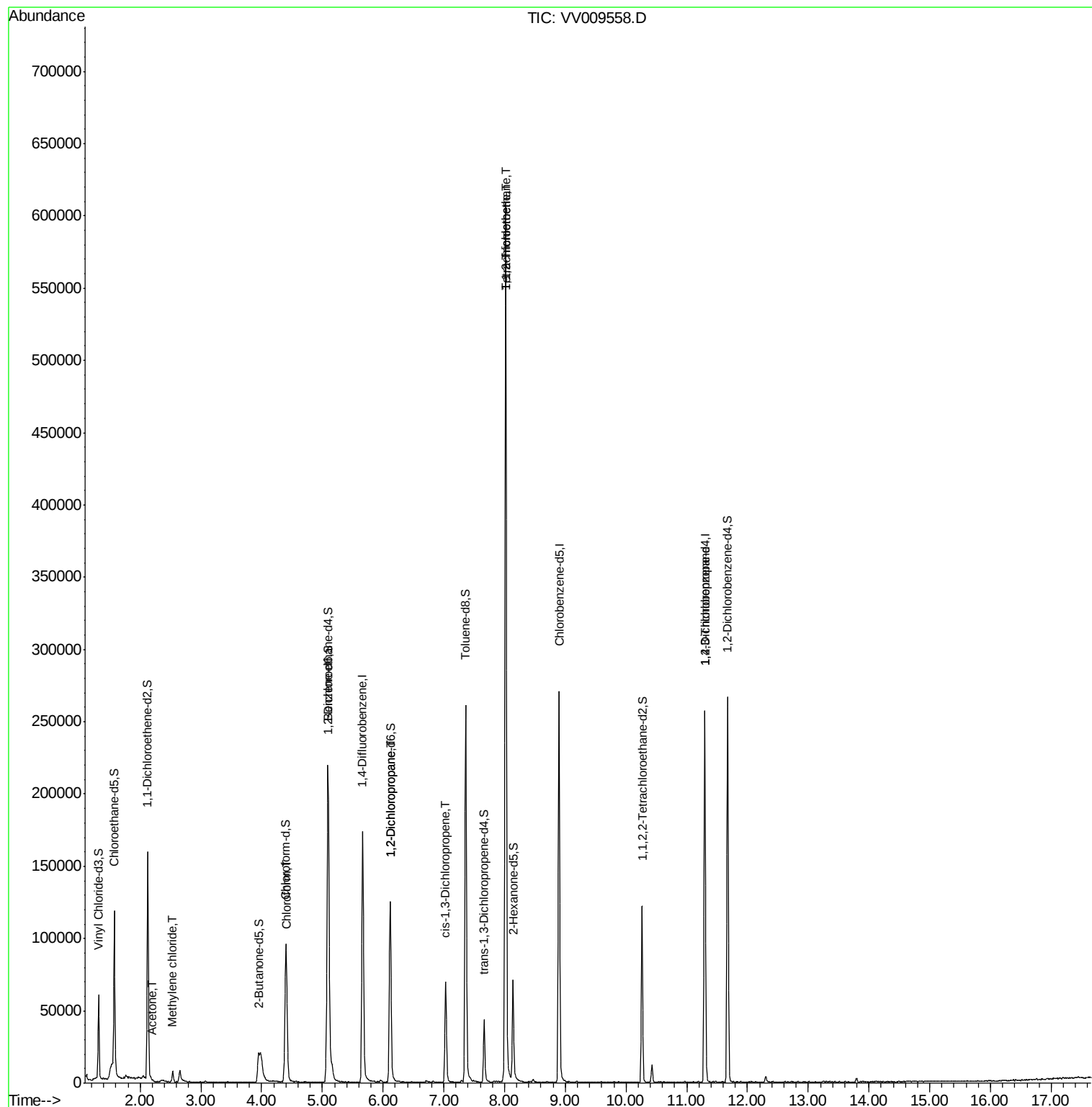
					Qvalue
13) Acetone	2.20	43	782	1.267 ug/L	99
16) Methylene chloride	2.53	84	2963	1.525 ug/L	93
25) Chloroform	4.42	83	1883	0.542 ug/L	95
40) 1,2-Dichloropropane	6.12	63	7212	3.693 ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	2262	0.746 ug/L #	61
46) 1,1,2-Trichloroethane	8.02	97	1305	0.804 ug/L #	13
47) Tetrachloroethene	8.02	164	124226	75.241 ug/L	95
59) 1,2,3-Trichloropropane	11.30	75	9215	5.580 ug/L	94

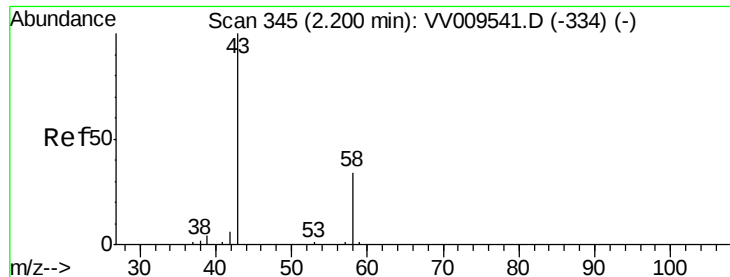
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 1.267 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV009558.D

Acq: 08 Mar 2019 23:49

Instrument :

MSVOA_V

ClientSampled :

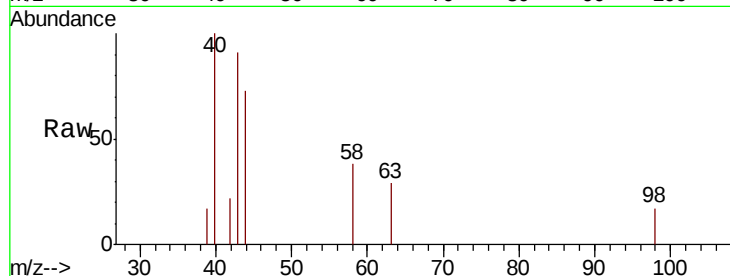
BF2K8

Tgt Ion: 43 Resp: 782

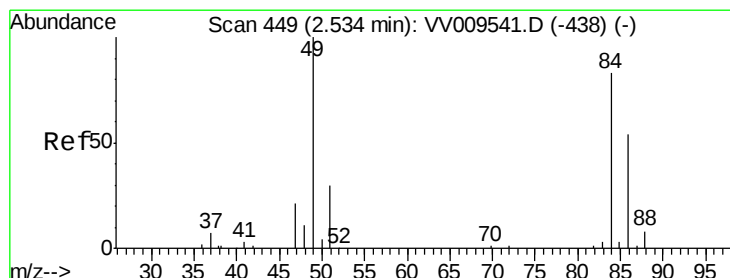
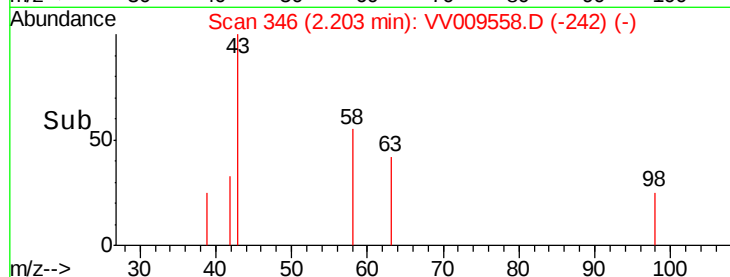
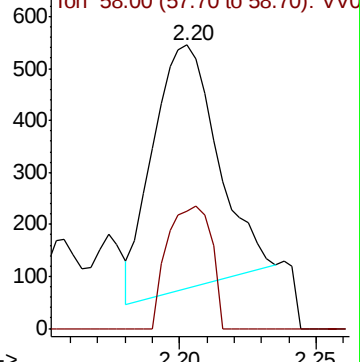
Ion Ratio Lower Upper

43 100

58 33.9 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009541.D (-334) (-)



#16

Methylene chloride

Concen: 1.525 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009558.D

Acq: 08 Mar 2019 23:49

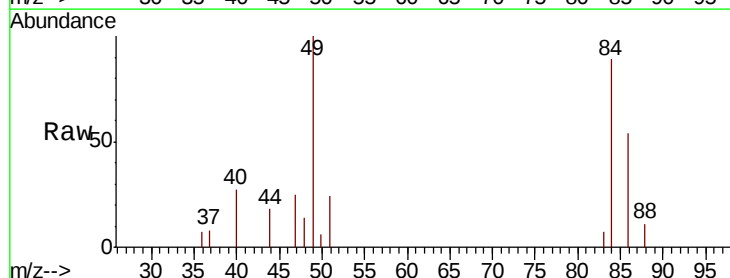
Tgt Ion: 84 Resp: 2963

Ion Ratio Lower Upper

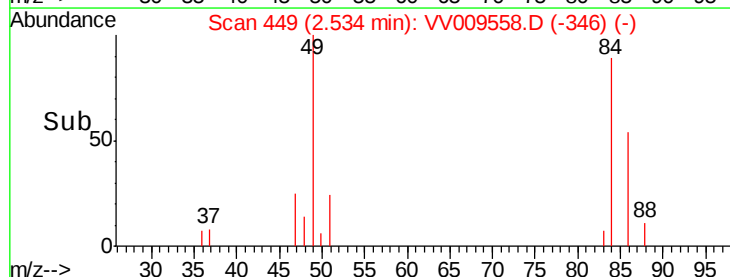
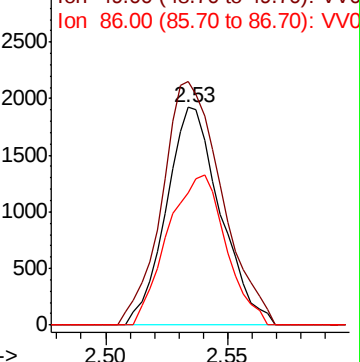
84 100

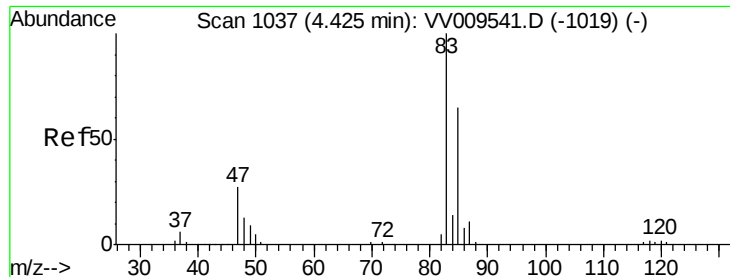
49 112.0 84.6 157.0

86 60.6 46.1 85.7



Abundance Ion 84.00 (83.70 to 84.70): VV009541.D (-438) (-)

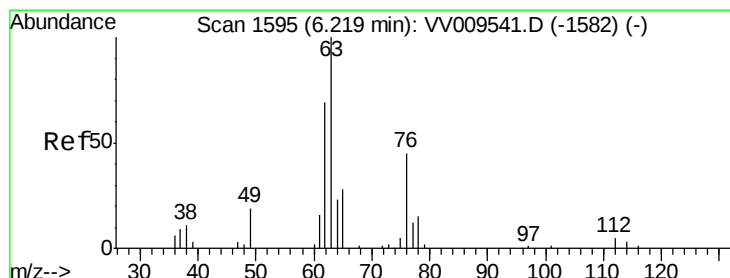
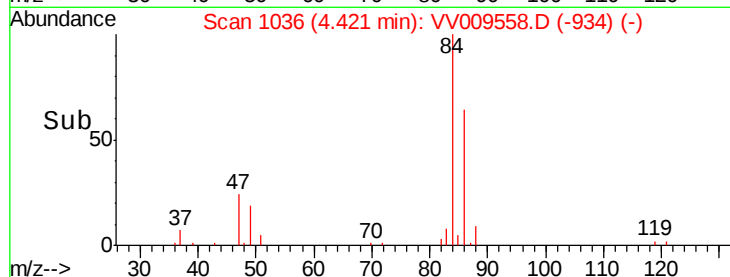
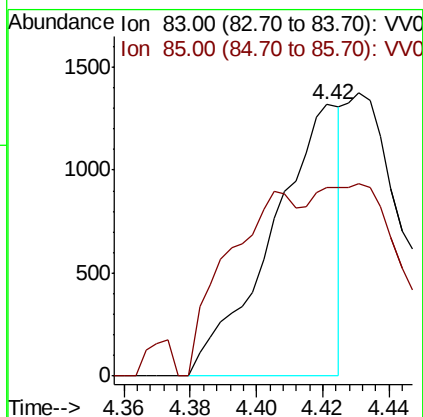
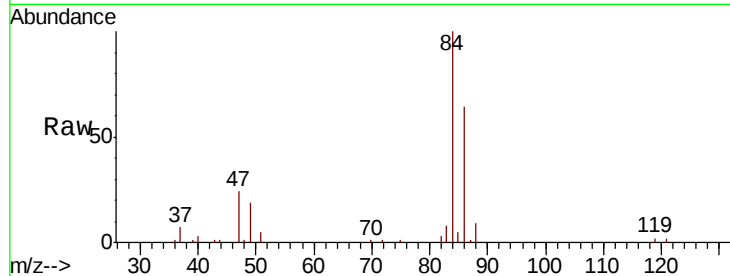




#25
Chloroform
Concen: 0.542 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV009558.D
Acq: 08 Mar 2019 23:49

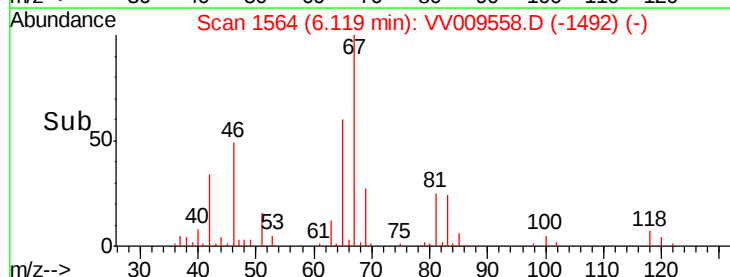
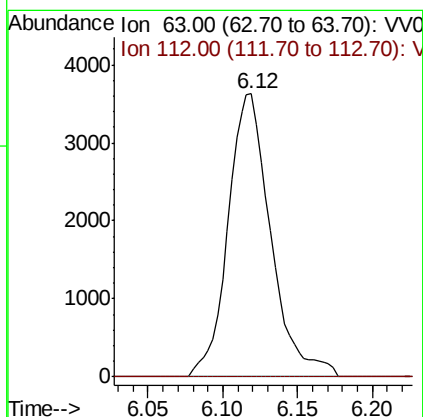
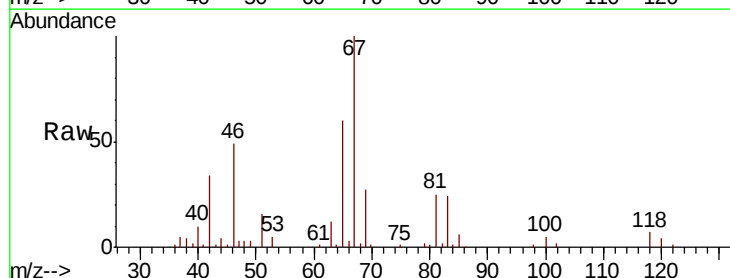
Instrument :
MSVOA_V
ClientSampleId :
BF2K8

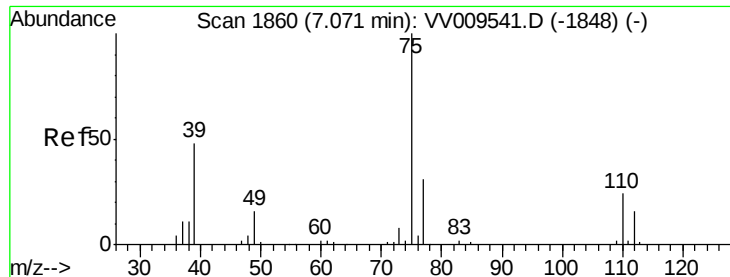
Tgt Ion: 83 Resp: 1883
Ion Ratio Lower Upper
83 100
85 68.9 45.4 84.2



#40
1,2-Dichloropropane
Concen: 3.693 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV009558.D
Acq: 08 Mar 2019 23:49

Tgt Ion: 63 Resp: 7212
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#





#42

cis-1,3-Dichloropropene

Concen: 0.746 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009558.D

Acq: 08 Mar 2019 23:49

Instrument :

MSVOA_V

ClientSampleId :

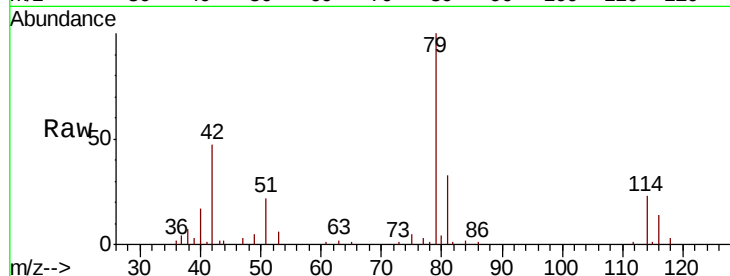
BF2K8

Tgt Ion: 75 Resp: 2262

Ion Ratio Lower Upper

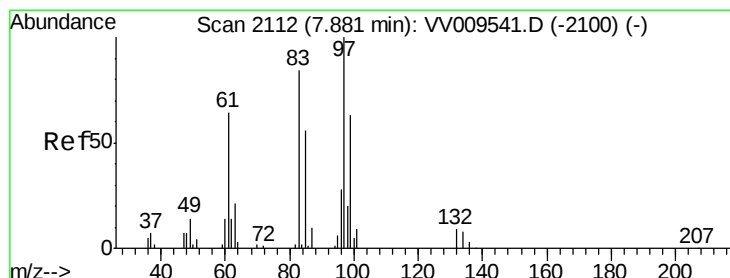
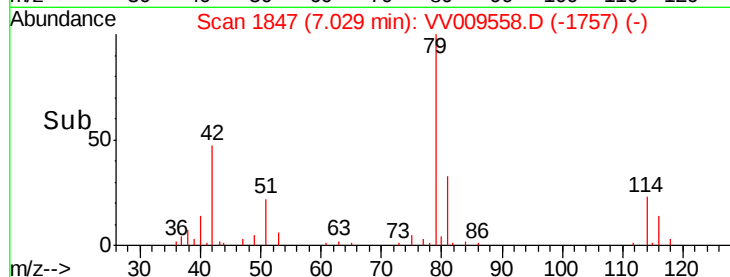
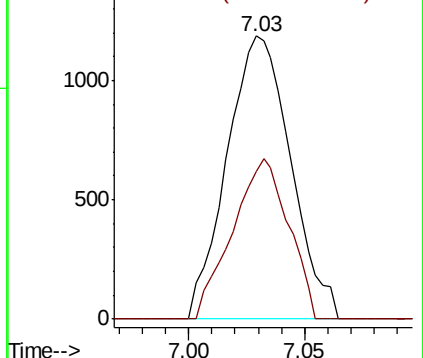
75 100

77 51.9 21.4 39.8#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#46

1,1,2-Trichloroethane

Concen: 0.804 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.13 min

Lab File: VV009558.D

Acq: 08 Mar 2019 23:49

Tgt Ion: 97 Resp: 1305

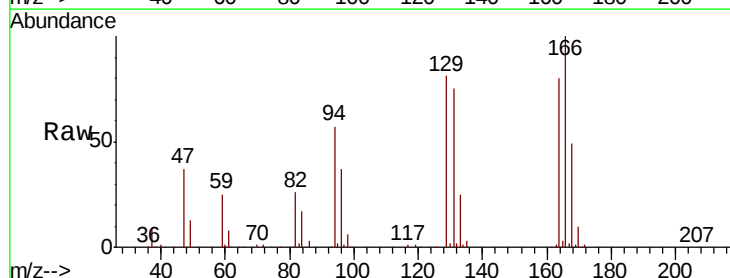
Ion Ratio Lower Upper

97 100

83 249.9 63.8 118.6#

85 51.5 39.5 73.4

99 29.0 45.9 85.3#

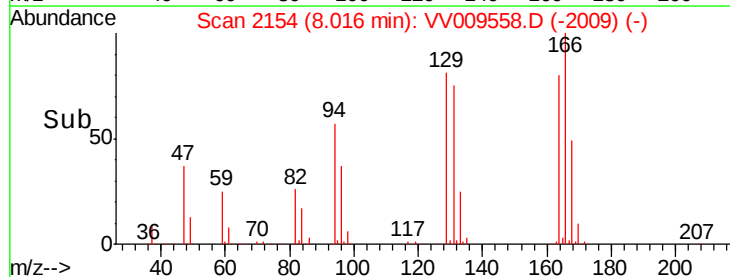
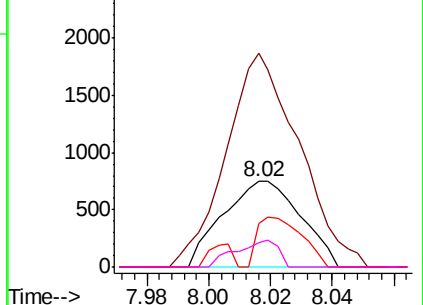


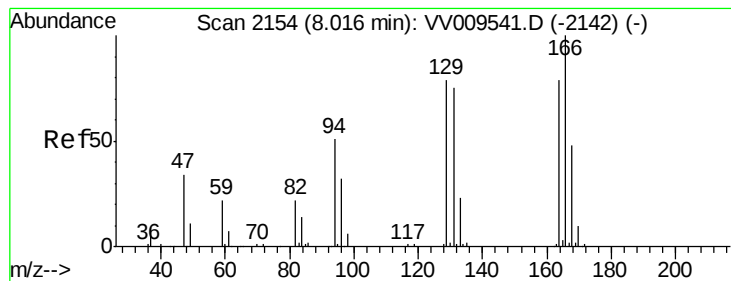
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0





#47

Tetrachloroethene

Concen: 75.241 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009558.D

Acq: 08 Mar 2019 23:49

Instrument :

MSVOA_V

ClientSampleId :

BF2K8

Tgt Ion:164 Resp: 124226

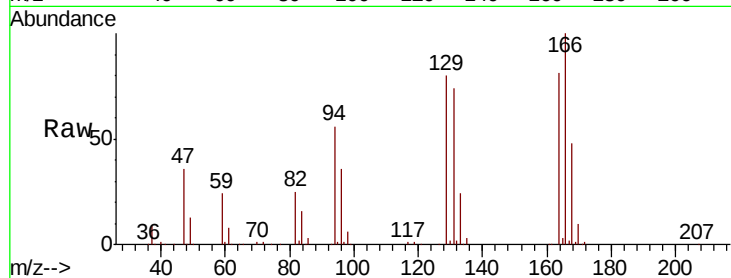
Ion Ratio Lower Upper

164 100

129 98.8 67.7 125.7

131 91.7 67.5 125.3

166 123.6 81.6 151.6

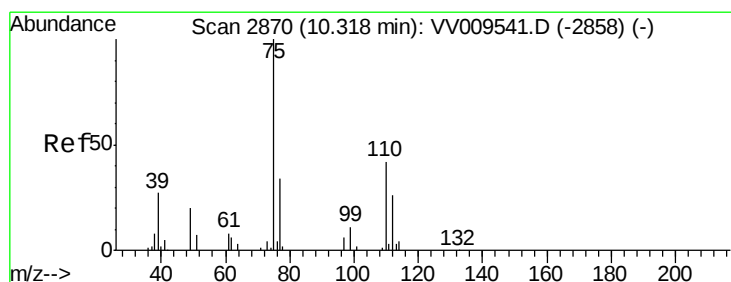
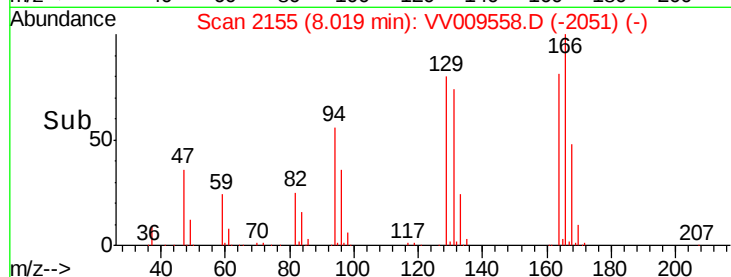
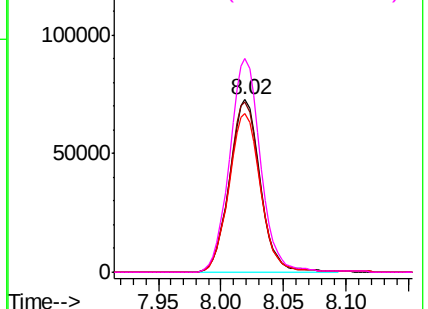


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 5.580 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009558.D

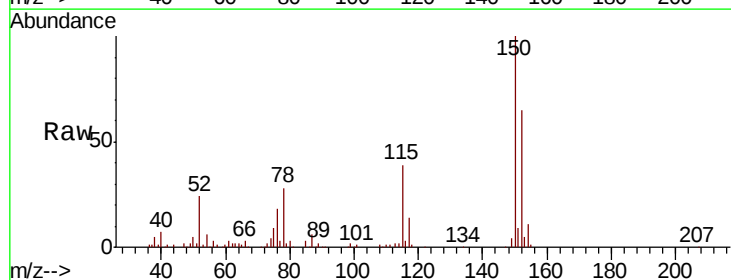
Acq: 08 Mar 2019 23:49

Tgt Ion: 75 Resp: 9215

Ion Ratio Lower Upper

75 100

77 35.6 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

