

Data File : VV009956.D
Acq On : 28 Mar 2019 04:43
Operator : SY/MD
Sample : K2101-19
Misc : 5.52G/10mL/MSVOA_V/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0K8

Quant Time: Mar 28 07:23:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 07:17:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	152205	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	117303	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	24398	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	77380	25.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.20%
7) Chloroethane-d5	1.55	69	92159	27.63	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.52%
10) 1,1-Dichloroethene-d2	2.11	63	118698	14.05	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.20%
20) 2-Butanone-d5	3.92	46	27275	47.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.78%
24) Chloroform-d	4.39	84	108233	27.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.64%
26) 1,2-Dichloroethane-d4	5.07	65	61794	26.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.92%
29) Benzene-d6	5.09	84	217103	35.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	140.96%#
33) 1,2-Dichloropropane-d6	6.12	67	65495	36.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	145.36%#
37) Toluene-d8	7.36	98	168907	28.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	115.88%
38) trans-1,3-Dichloropropene-	7.66	79	11970	16.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	64.96%
39) 2-Hexanone-d5	8.13	63	16333	48.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.10%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	41131	23.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	22981	24.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.96%

Target Compounds

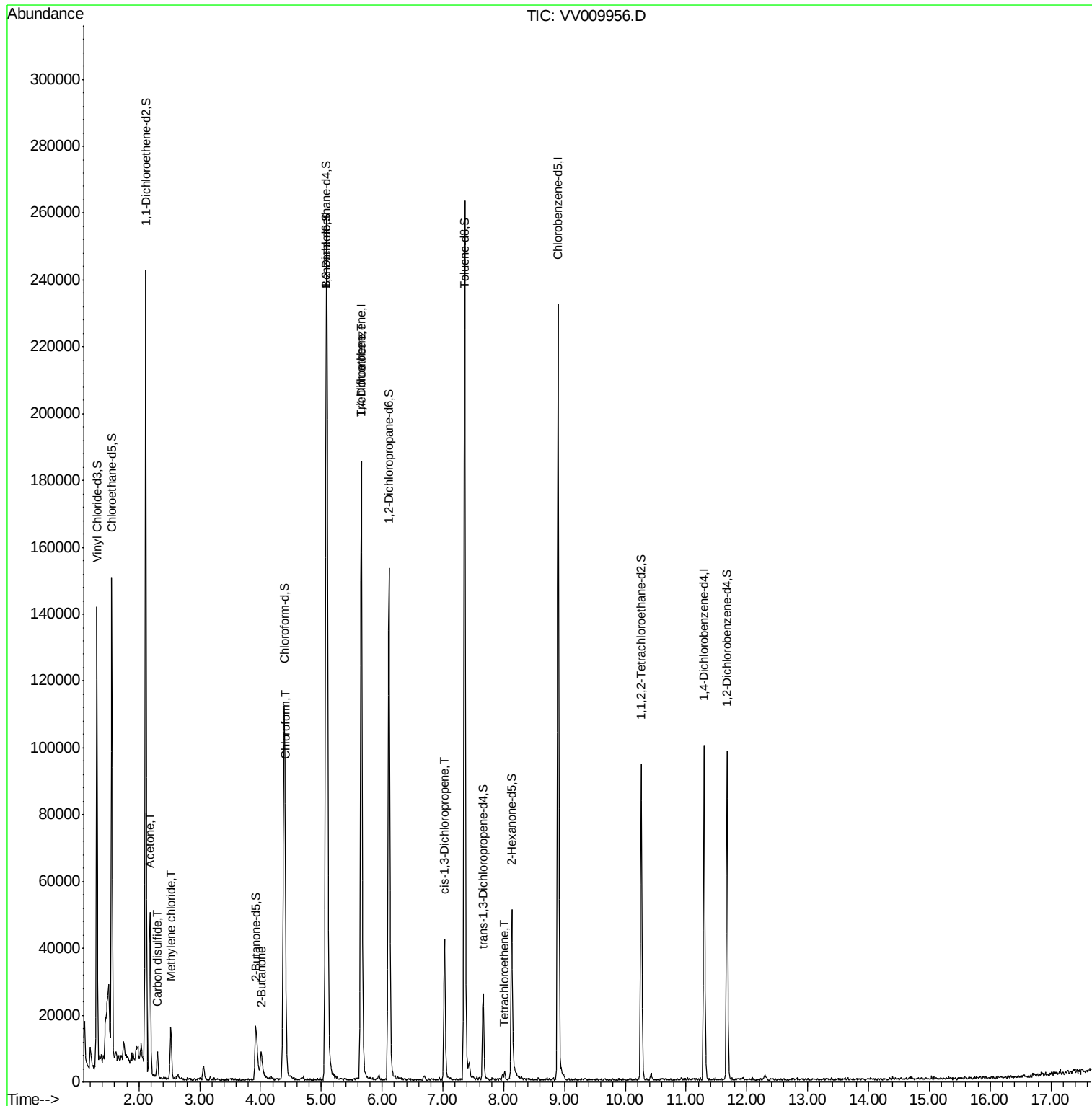
						Qvalue
13) Acetone	2.18	43	47962	55.039	ug/L	97
14) Carbon disulfide	2.31	76	8004	1.589	ug/L #	90
16) Methylene chloride	2.53	84	6203	2.475	ug/L	94
21) 2-Butanone	4.02	43	13757	17.726	ug/L	77
25) Chloroform	4.41	83	2966	0.736	ug/L #	39
35) Trichloroethene	5.66	95	4019	2.365	ug/L #	6
42) cis-1,3-Dichloropropene	7.03	75	1468	0.626	ug/L	93
47) Tetrachloroethene	8.02	164	403	0.301	ug/L #	75

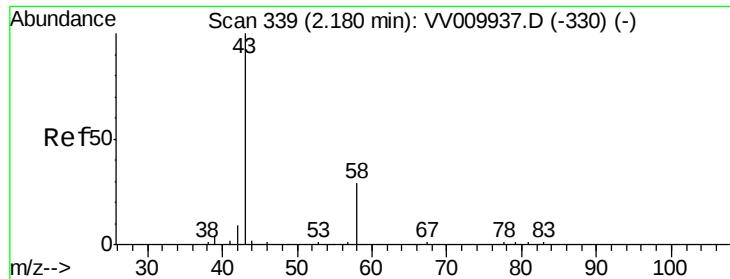
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 55.039 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VV009956.D

Acq: 28 Mar 2019 04:43

Instrument :

MSVOA_V

ClientSampleId :

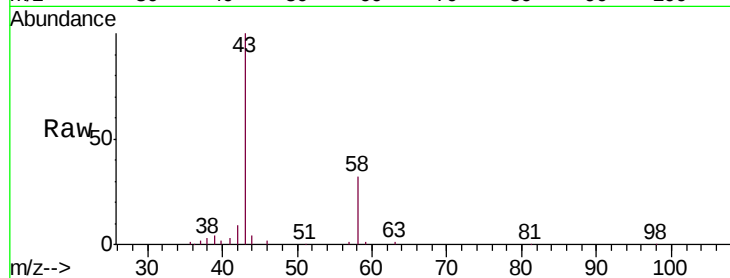
BF0K8

Tgt Ion: 43 Resp: 47962

Ion Ratio Lower Upper

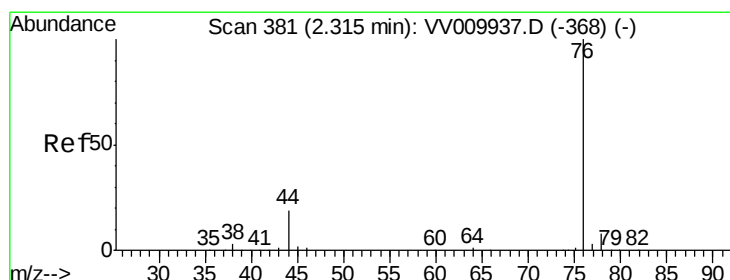
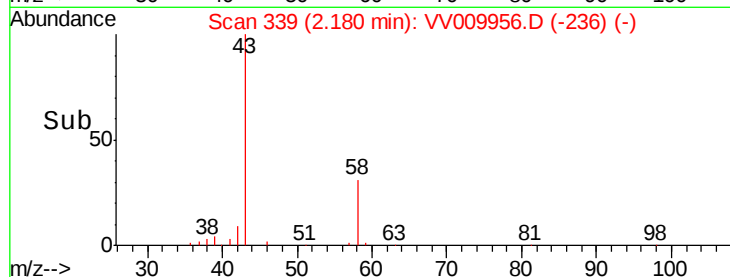
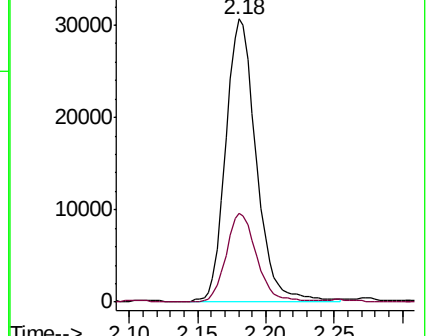
43 100

58 31.1 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009937.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV009937.D (-330) (-)



#14

Carbon disulfide

Concen: 1.589 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VV009956.D

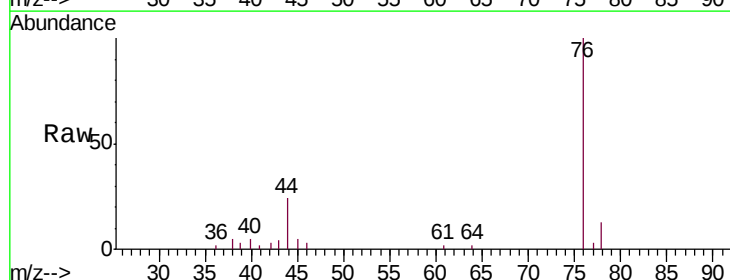
Acq: 28 Mar 2019 04:43

Tgt Ion: 76 Resp: 8004

Ion Ratio Lower Upper

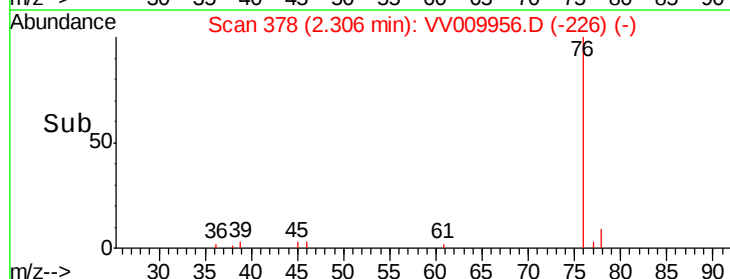
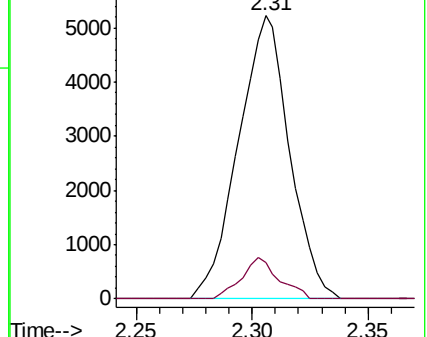
76 100

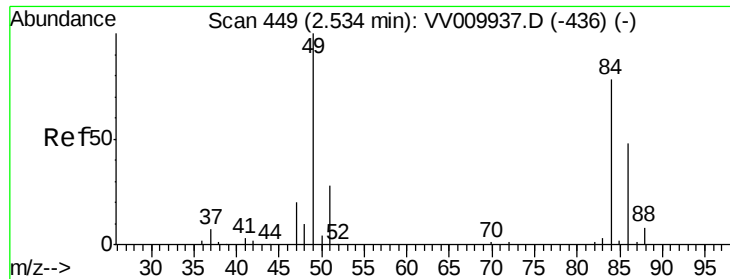
78 13.0 7.5 11.3#



Abundance Ion 76.00 (75.70 to 76.70): VV009937.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV009937.D (-368) (-)

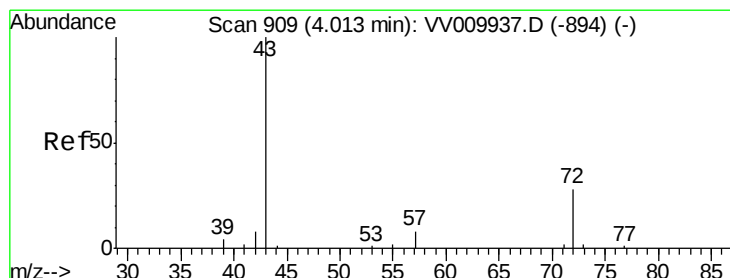
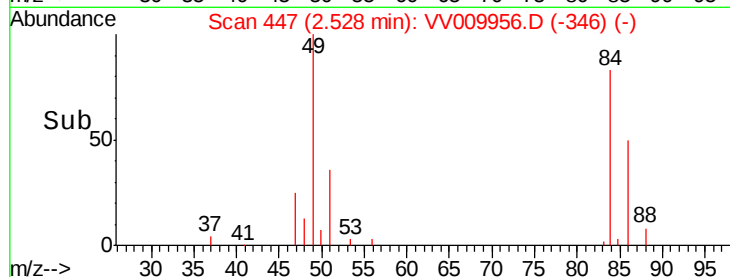
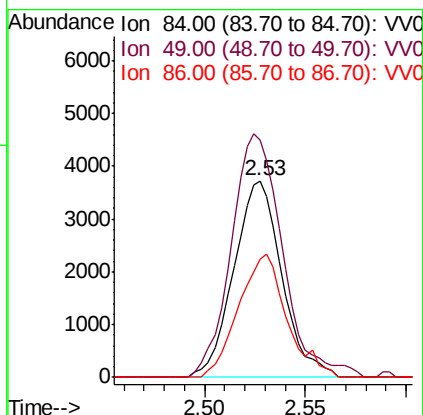
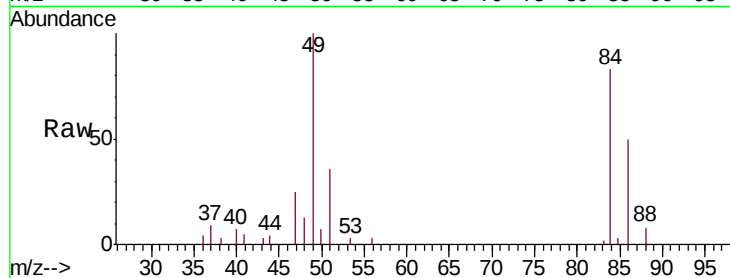




#16
Methylene chloride
Concen: 2.475 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.01 min
Lab File: VV009956.D
Acq: 28 Mar 2019 04:43

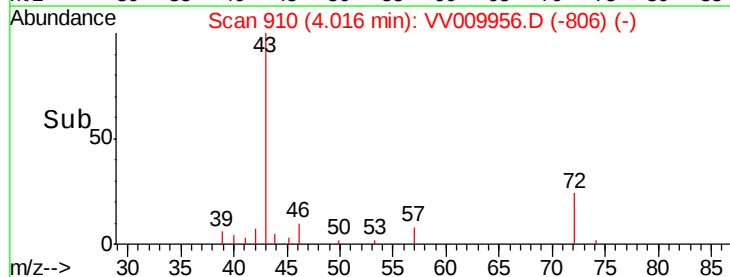
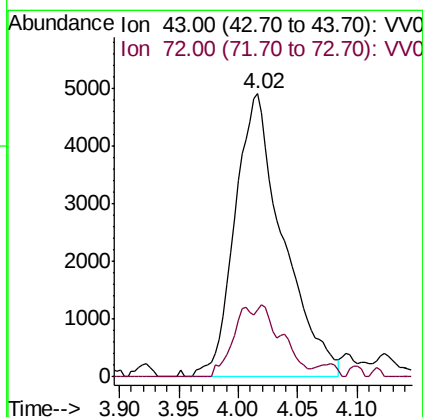
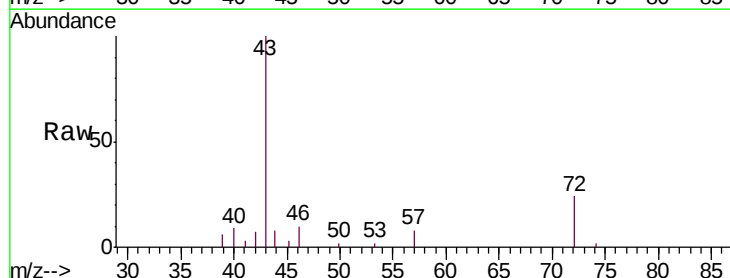
Instrument :
MSVOA_V
ClientSampleId :
BF0K8

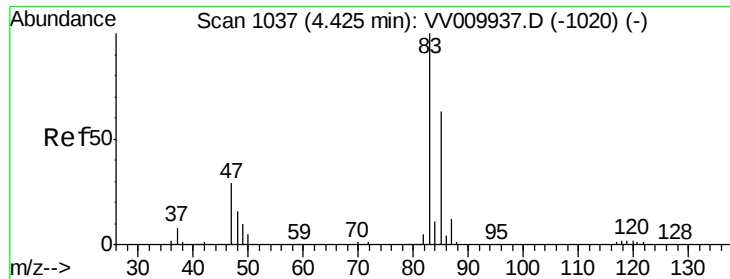
Tgt Ion: 84 Resp: 6203
Ion Ratio Lower Upper
84 100
49 120.3 90.4 167.8
86 59.8 44.0 81.6



#21
2-Butanone
Concen: 17.726 ug/L
RT: 4.02 min Scan# 910
Delta R.T. 0.00 min
Lab File: VV009956.D
Acq: 28 Mar 2019 04:43

Tgt Ion: 43 Resp: 13757
Ion Ratio Lower Upper
43 100
72 11.1 11.1 33.1





#25

Chloroform

Concen: 0.736 ug/L

RT: 4.41 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VV009956.D

Acq: 28 Mar 2019 04:43

Instrument :

MSVOA_V

ClientSampleId :

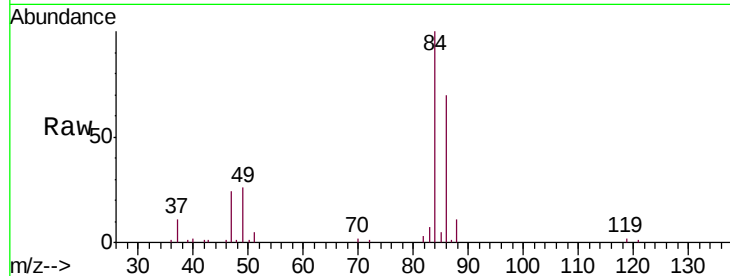
BF0K8

Tgt Ion: 83 Resp: 2966

Ion Ratio Lower Upper

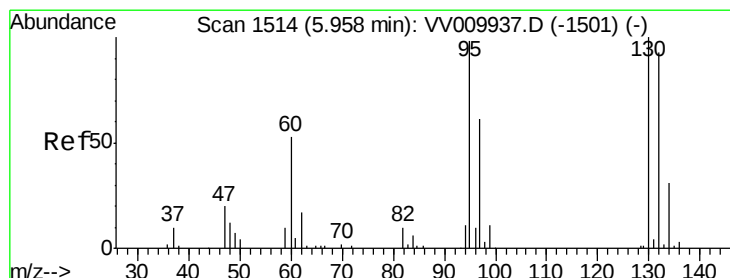
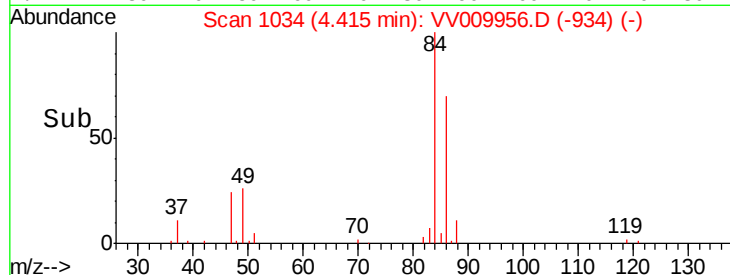
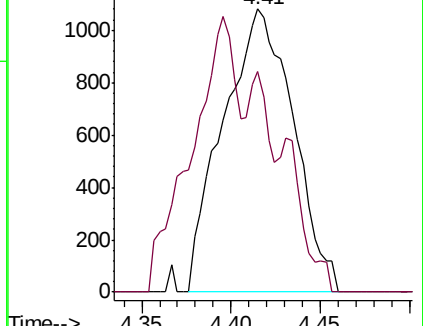
83 100

85 17.4 46.1 85.7#



Abundance Ion 83.00 (82.70 to 83.70): VV009937.D (-1020) (-)

Ion 85.00 (84.70 to 85.70): VV009937.D (-1020) (-)



#35

Trichloroethene

Concen: 2.365 ug/L

RT: 5.66 min Scan# 1421

Delta R.T. -0.30 min

Lab File: VV009956.D

Acq: 28 Mar 2019 04:43

Tgt Ion: 95 Resp: 4019

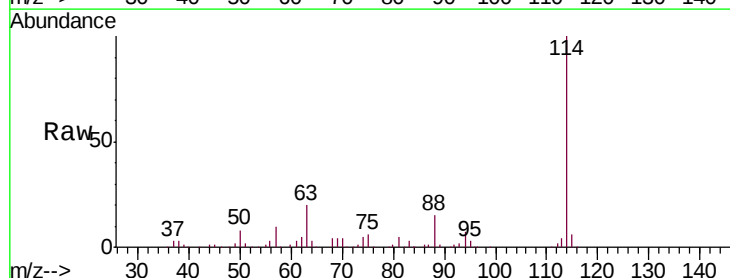
Ion Ratio Lower Upper

95 100

97 1.8 46.3 85.9#

132 0.0 69.3 128.7#

130 1.1 69.5 129.1#

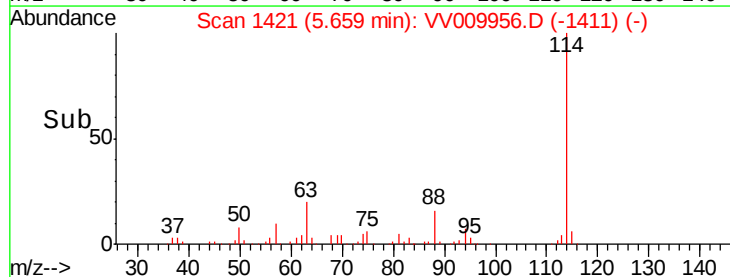
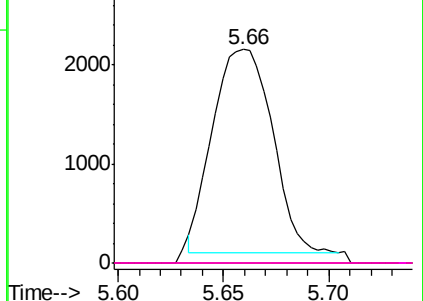


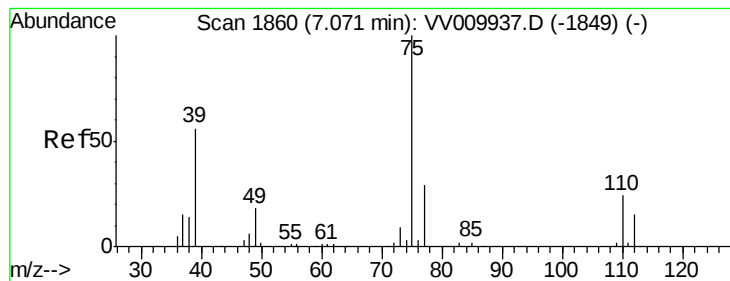
Abundance Ion 95.00 (94.70 to 95.70): VV009937.D (-1501) (-)

Ion 97.00 (96.70 to 97.70): VV009937.D (-1501) (-)

Ion 132.00 (131.70 to 132.70): VV009937.D (-1501) (-)

Ion 130.00 (129.70 to 130.70): VV009937.D (-1501) (-)



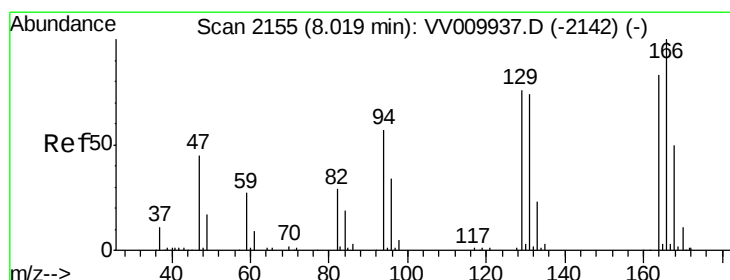
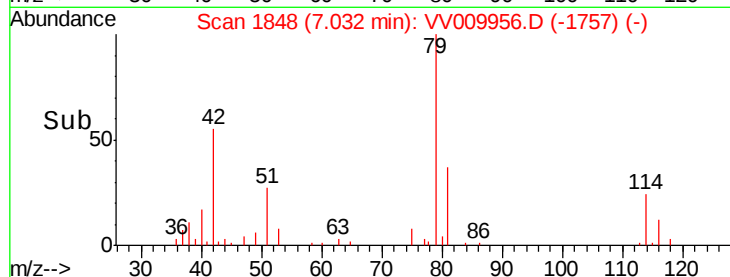
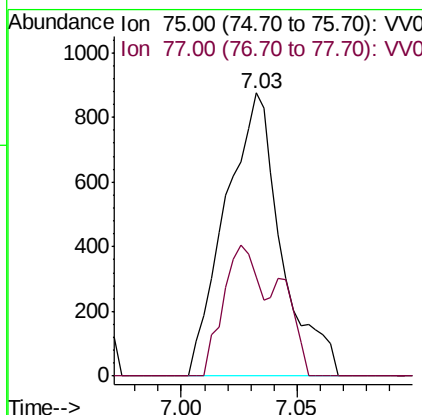
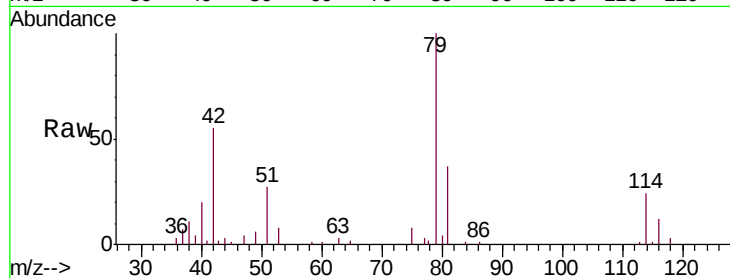


#42

cis-1,3-Dichloropropene
Concen: 0.626 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV009956.D
Acq: 28 Mar 2019 04:43

Instrument :
MSVOA_V
ClientSampleId :
BF0K8

Tgt Ion: 75 Resp: 1468
Ion Ratio Lower Upper
75 100
77 35.2 21.8 40.6



#47

Tetrachloroethene
Concen: 0.301 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV009956.D
Acq: 28 Mar 2019 04:43

Tgt Ion: 164 Resp: 403
Ion Ratio Lower Upper
164 100
129 90.4 64.9 120.5
131 51.5 62.0 115.2#
166 84.3 82.9 153.9

