

Data File : VV010011.D
Acq On : 29 Mar 2019 19:32
Operator : SY/MD
Sample : K2167-02
Misc : 6.16G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF2M0

Quant Time: Mar 30 04:18:44 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	167039	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	164101	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69555	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71188	21.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.00%
7) Chloroethane-d5	1.58	69	80540	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.00%
10) 1,1-Dichloroethene-d2	2.13	63	161805	17.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.80%
20) 2-Butanone-d5	3.93	46	26390	41.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.56%
24) Chloroform-d	4.40	84	90720	21.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.28%
26) 1,2-Dichloroethane-d4	5.08	65	60399	23.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.32%
29) Benzene-d6	5.10	84	201481	23.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.52%
33) 1,2-Dichloropropane-d6	6.12	67	61245	24.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.16%
37) Toluene-d8	7.36	98	177316	21.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.96%
38) trans-1,3-Dichloropropene-	7.66	79	19686	19.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.36%
39) 2-Hexanone-d5	8.13	63	20436	43.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.84%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	50303	20.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.60%
61) 1,2-Dichlorobenzene-d4	11.68	152	62806	23.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.88%

Target Compounds

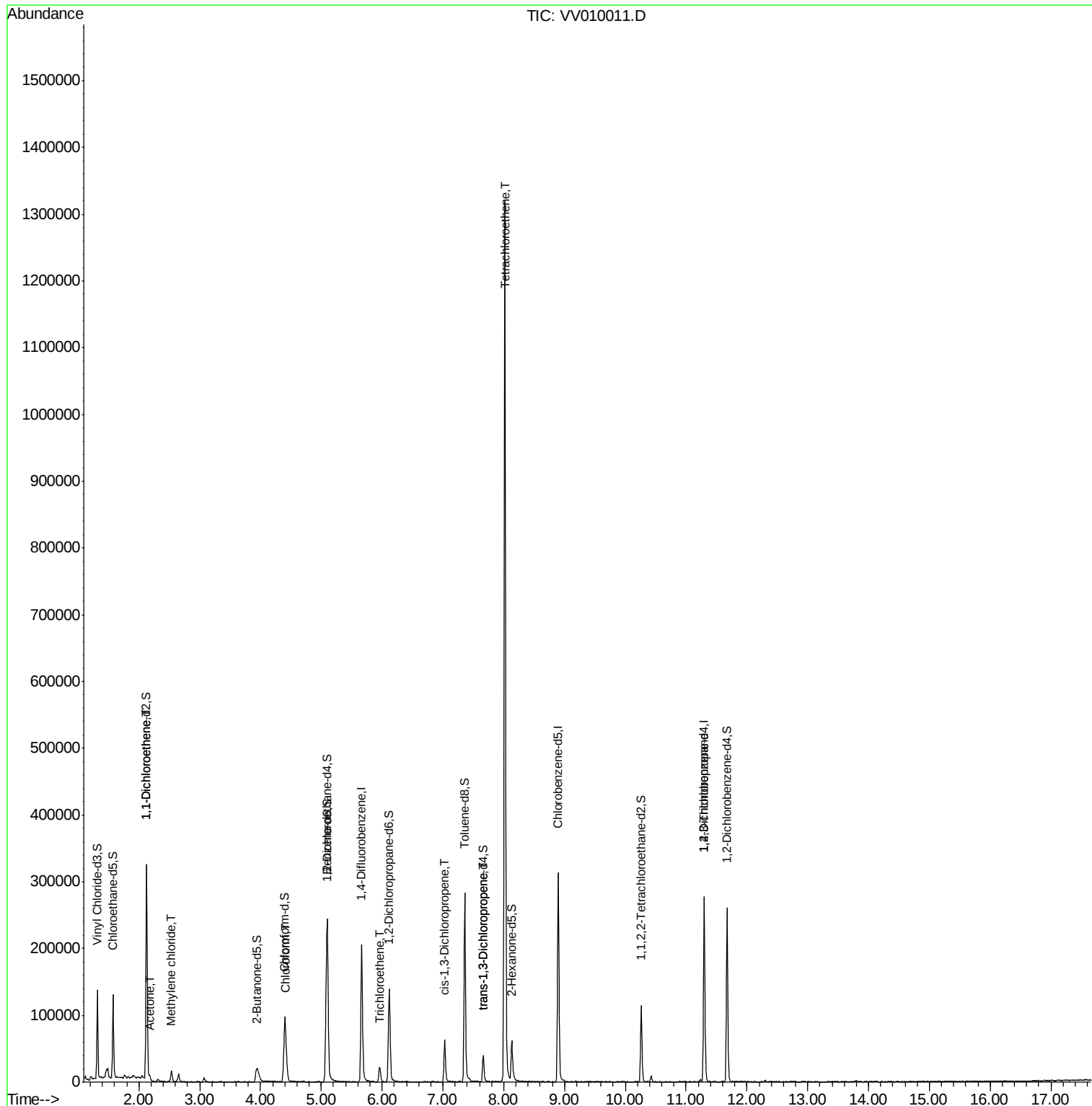
					Qvalue
12) 1,1-Dichloroethene	2.13	96	1799	0.440 ug/L #	1
13) Acetone	2.18	43	2674	2.796 ug/L	85
16) Methylene chloride	2.53	84	6532	2.375 ug/L	92
25) Chloroform	4.43	83	19063	4.307 ug/L	98
35) Trichloroethene	5.95	95	6464	2.719 ug/L	94
42) cis-1,3-Dichloropropene	7.03	75	2050	0.624 ug/L	85
45) trans-1,3-Dichloropropene	7.66	75	1405	0.523 ug/L #	74
47) Tetrachloroethene	8.02	164	256431	136.713 ug/L	97
59) 1,2,3-Trichloropropane	11.30	75	11125	6.141 ug/L	96

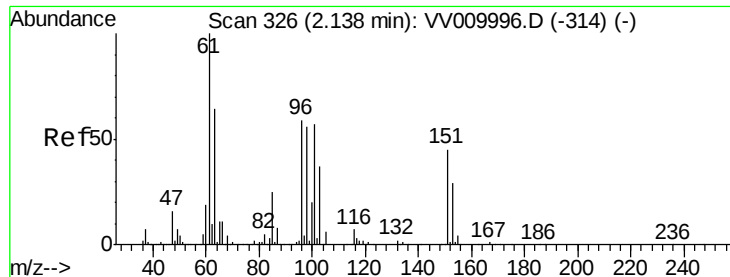
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.440 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV010011.D

Acq: 29 Mar 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

BF2M0

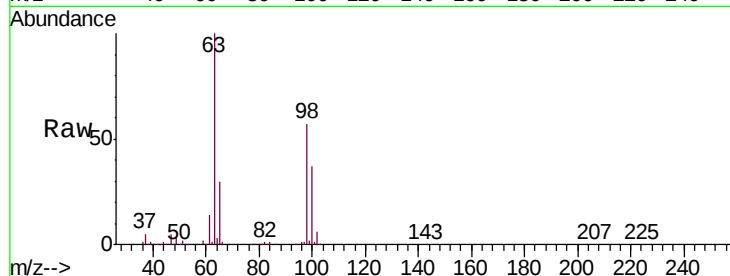
Tgt Ion: 96 Resp: 1799

Ion Ratio Lower Upper

96 100

61 1455.3 124.3 230.8#

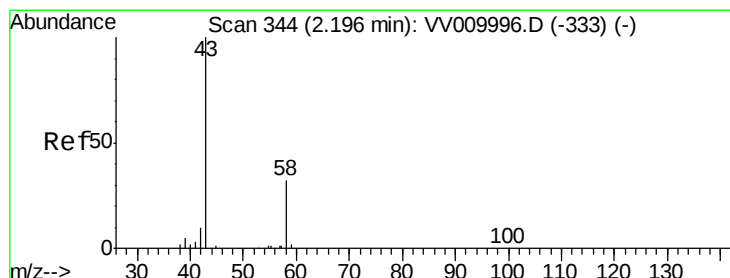
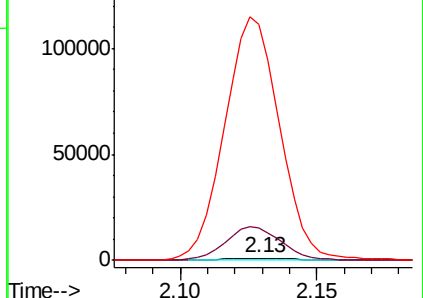
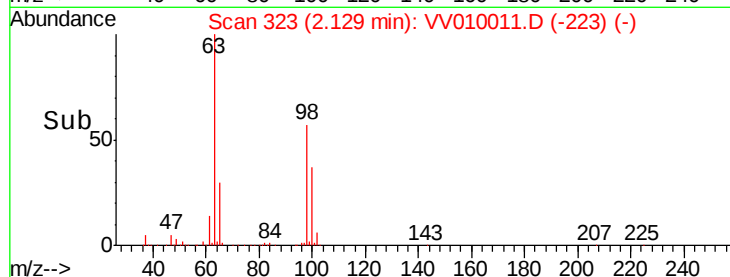
63 10610.5 88.2 163.8#



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: 2.796 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV010011.D

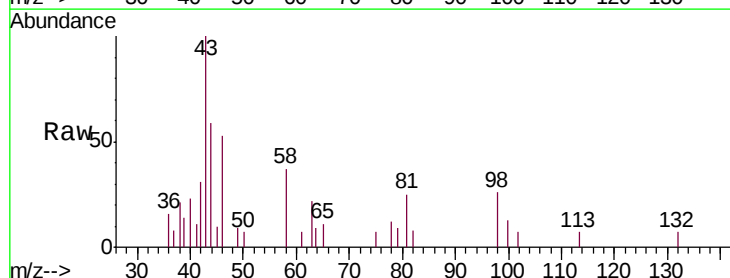
Acq: 29 Mar 2019 19:32

Tgt Ion: 43 Resp: 2674

Ion Ratio Lower Upper

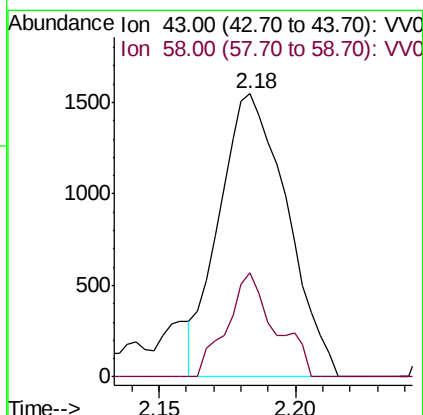
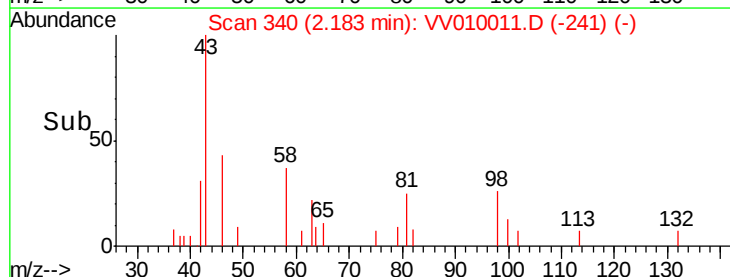
43 100

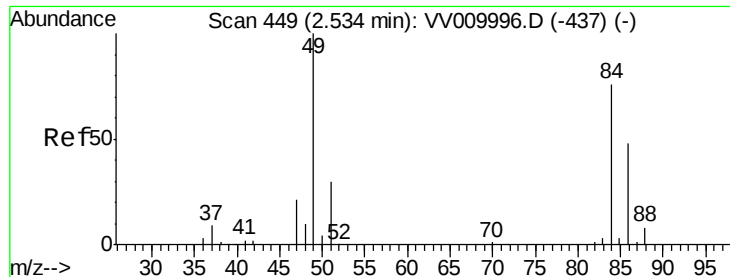
58 21.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

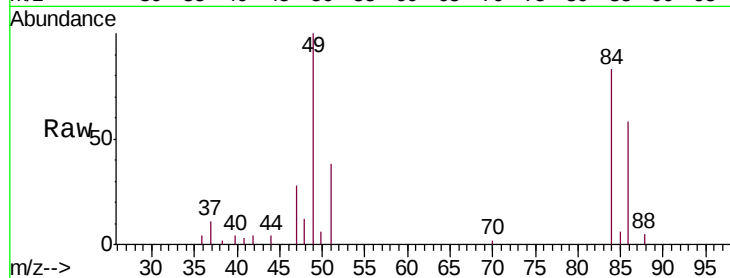




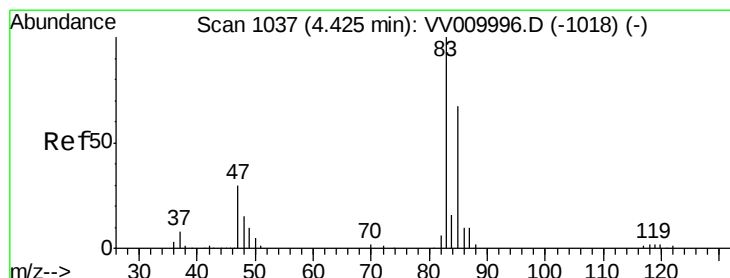
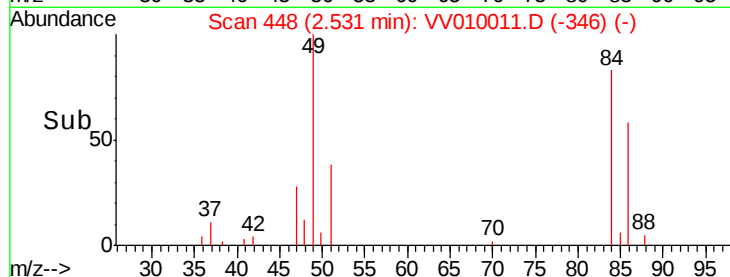
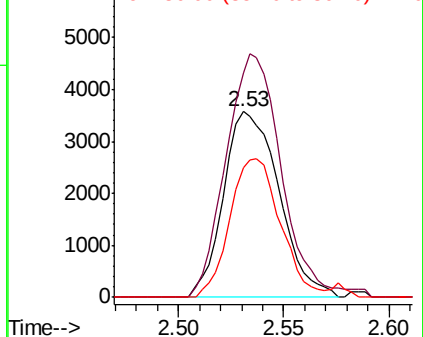
#16
Methylene chloride
Concen: 2.375 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV010011.D
Acq: 29 Mar 2019 19:32

Instrument :
MSVOA_V
ClientSampleId :
BF2M0

Tgt Ion: 84 Resp: 6532
Ion Ratio Lower Upper
84 100
49 121.1 90.4 167.8
86 69.7 44.0 81.6

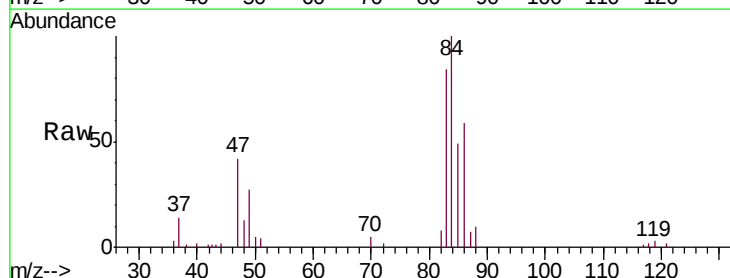


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

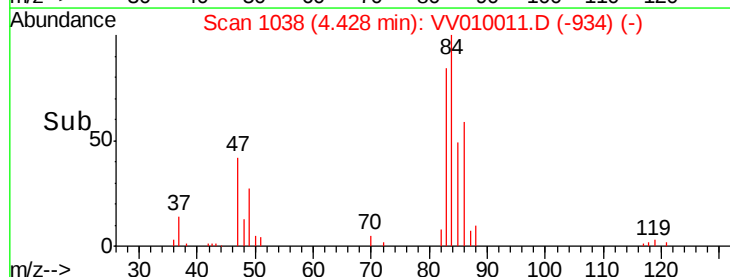
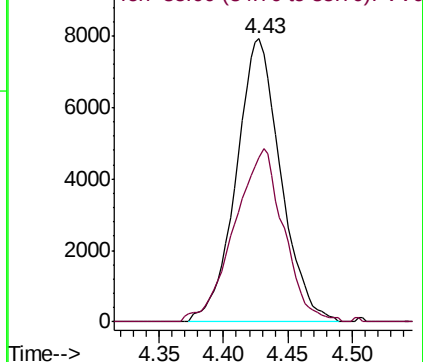


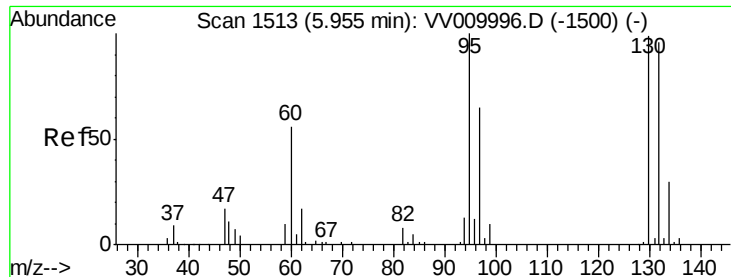
#25
Chloroform
Concen: 4.307 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010011.D
Acq: 29 Mar 2019 19:32

Tgt Ion: 83 Resp: 19063
Ion Ratio Lower Upper
83 100
85 67.6 46.1 85.7



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

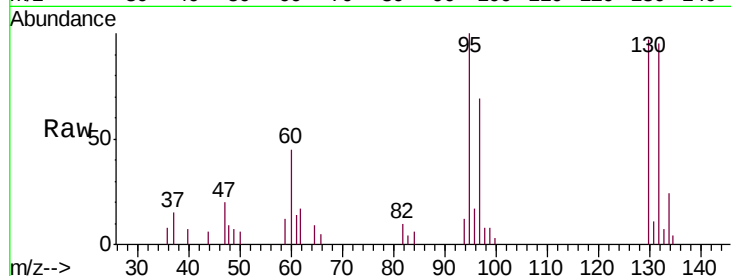




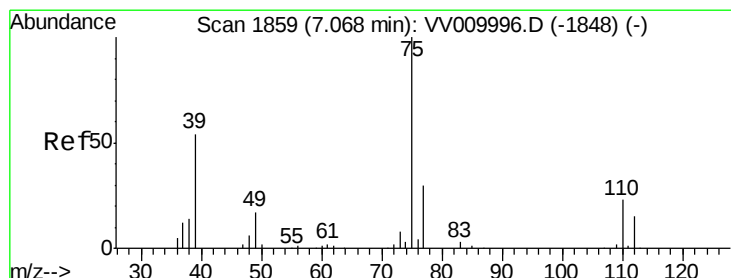
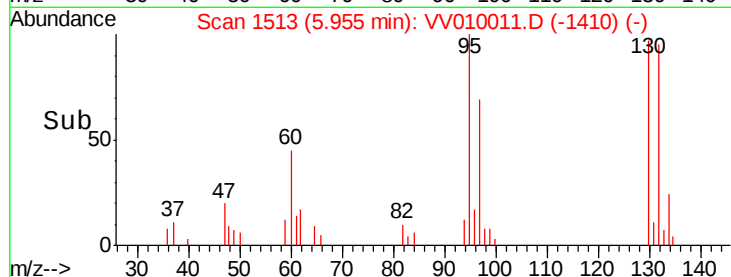
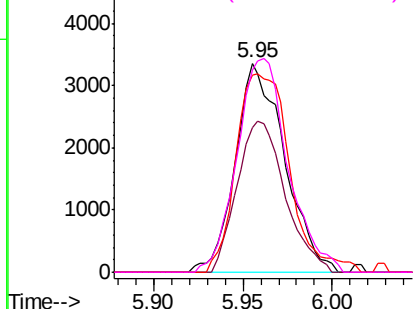
#35
 Trichloroethene
 Concen: 2.719 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV010011.D
 Acq: 29 Mar 2019 19:32

Instrument :
 MSVOA_V
 ClientSampled :
 BF2M0

Tgt Ion: 95 Resp: 6464
 Ion Ratio Lower Upper
 95 100
 97 70.5 46.3 85.9
 132 103.5 69.3 128.7
 130 106.2 69.5 129.1

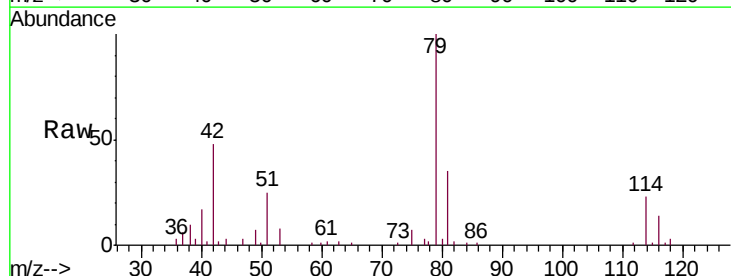


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

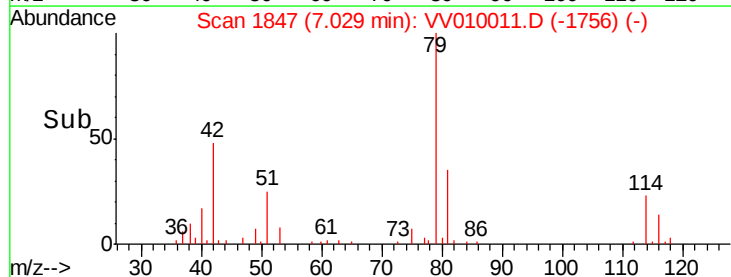
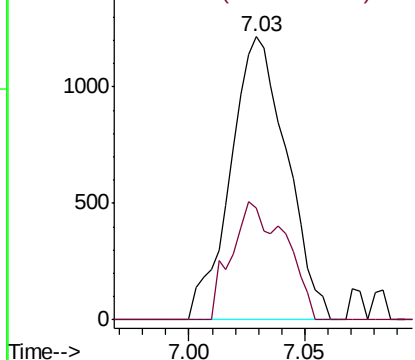


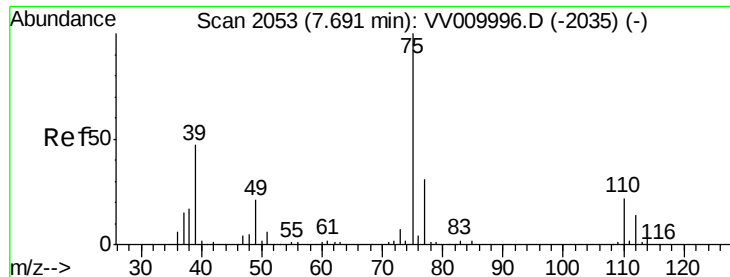
#42
 cis-1,3-Dichloropropene
 Concen: 0.624 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010011.D
 Acq: 29 Mar 2019 19:32

Tgt Ion: 75 Resp: 2050
 Ion Ratio Lower Upper
 75 100
 77 39.3 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0





#45

trans-1,3-Dichloropropene

Concen: 0.523 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV010011.D

Acq: 29 Mar 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

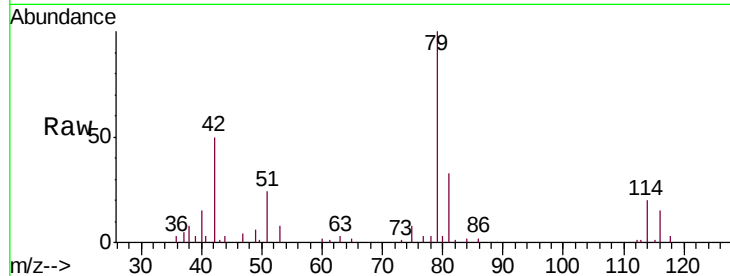
BF2M0

Tgt Ion: 75 Resp: 1405

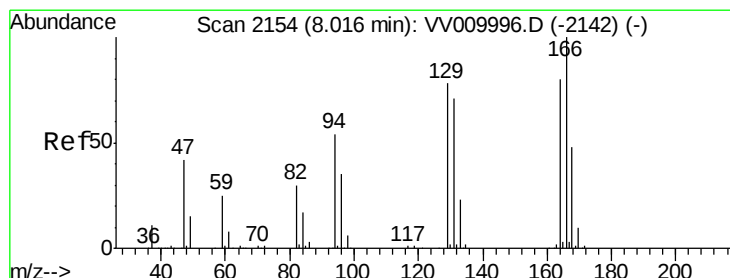
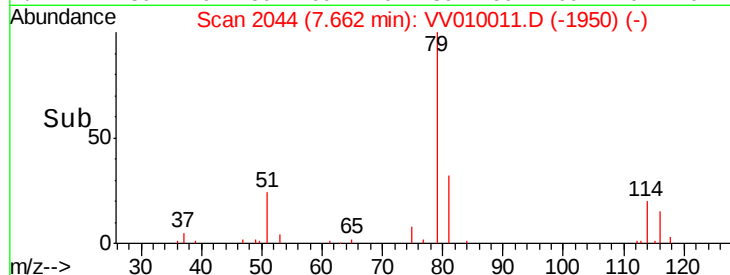
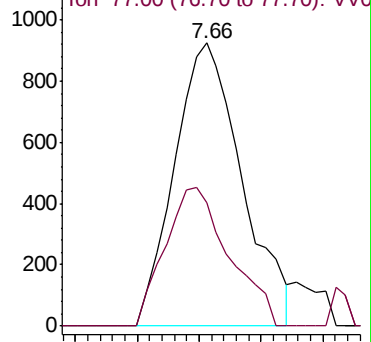
Ion Ratio Lower Upper

75 100

77 43.4 20.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV010011.D (-1950) (-)



#47

Tetrachloroethene

Concen: 136.713 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010011.D

Acq: 29 Mar 2019 19:32

Tgt Ion: 164 Resp: 256431

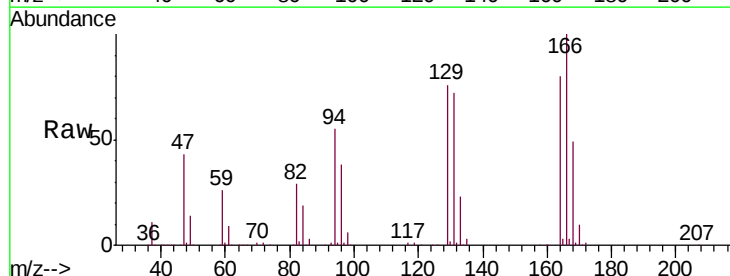
Ion Ratio Lower Upper

164 100

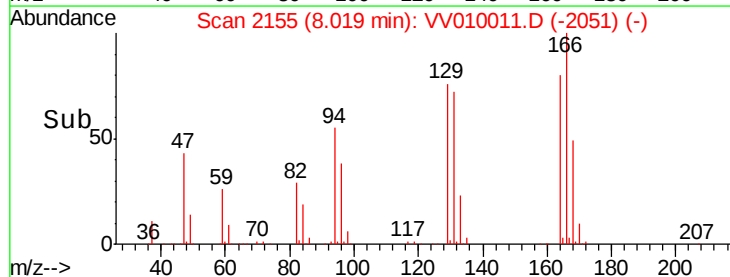
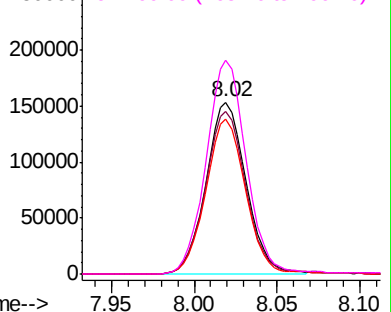
129 94.7 64.9 120.5

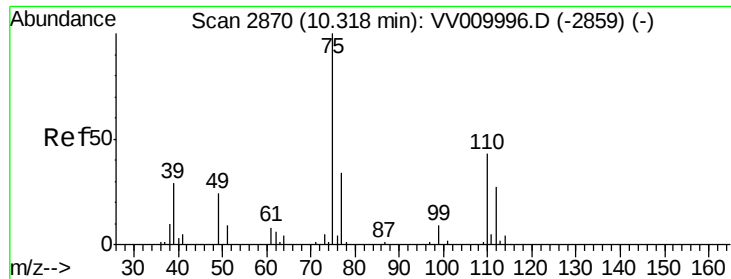
131 90.1 62.0 115.2

166 124.5 82.9 153.9



Abundance Ion 164.00 (163.70 to 164.70): VV010011.D (-2051) (-)





#59

1,2,3-Trichloropropane

Concen: 6.141 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010011.D

Acq: 29 Mar 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

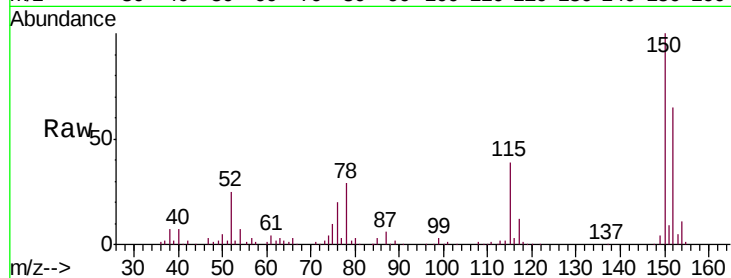
BF2M0

Tgt Ion: 75 Resp: 11125

Ion Ratio Lower Upper

75 100

77 35.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

