

Data File : VV010004.D
Acq On : 29 Mar 2019 16:28
Operator : SY/MD
Sample : K2120-03
Misc : 5.39G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5C6

Quant Time: Mar 30 04:17:22 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	5.66	114	157721	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	154807	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	62394	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67696	21.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.60%
7) Chloroethane-d5	1.56	69	80218	23.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.84%
10) 1,1-Dichloroethene-d2	2.12	63	162002	18.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.00%
20) 2-Butanone-d5	3.93	46	28465	47.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.46%
24) Chloroform-d	4.40	84	86756	21.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.36%
26) 1,2-Dichloroethane-d4	5.08	65	63866	26.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.64%
29) Benzene-d6	5.10	84	208908	25.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.80%
33) 1,2-Dichloropropane-d6	6.12	67	63178	26.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.24%
37) Toluene-d8	7.36	98	179576	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.36%
38) trans-1,3-Dichloropropene-	7.66	79	21202	21.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.16%
39) 2-Hexanone-d5	8.13	63	22294	50.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.44%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55022	23.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	58374	24.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.28%

Target Compounds

					Qvalue
13) Acetone	2.18	43	5534	6.128 ug/L	95
16) Methylene chloride	2.53	84	10515	4.048 ug/L	83
25) Chloroform	4.42	83	19091	4.569 ug/L	100
42) cis-1,3-Dichloropropene	7.03	75	2159	0.697 ug/L #	74
45) trans-1,3-Dichloropropene	7.67	75	1286	0.507 ug/L	97
59) 1,2,3-Trichloropropane	11.30	75	11569	6.769 ug/L	94
63) 1,3-Dichlorobenzene	11.23	146	1878	0.487 ug/L	83
64) 1,4-Dichlorobenzene	11.32	146	2813	0.671 ug/L	90
65) 1,2-Dichlorobenzene	11.69	146	18481	4.852 ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
BF5C6

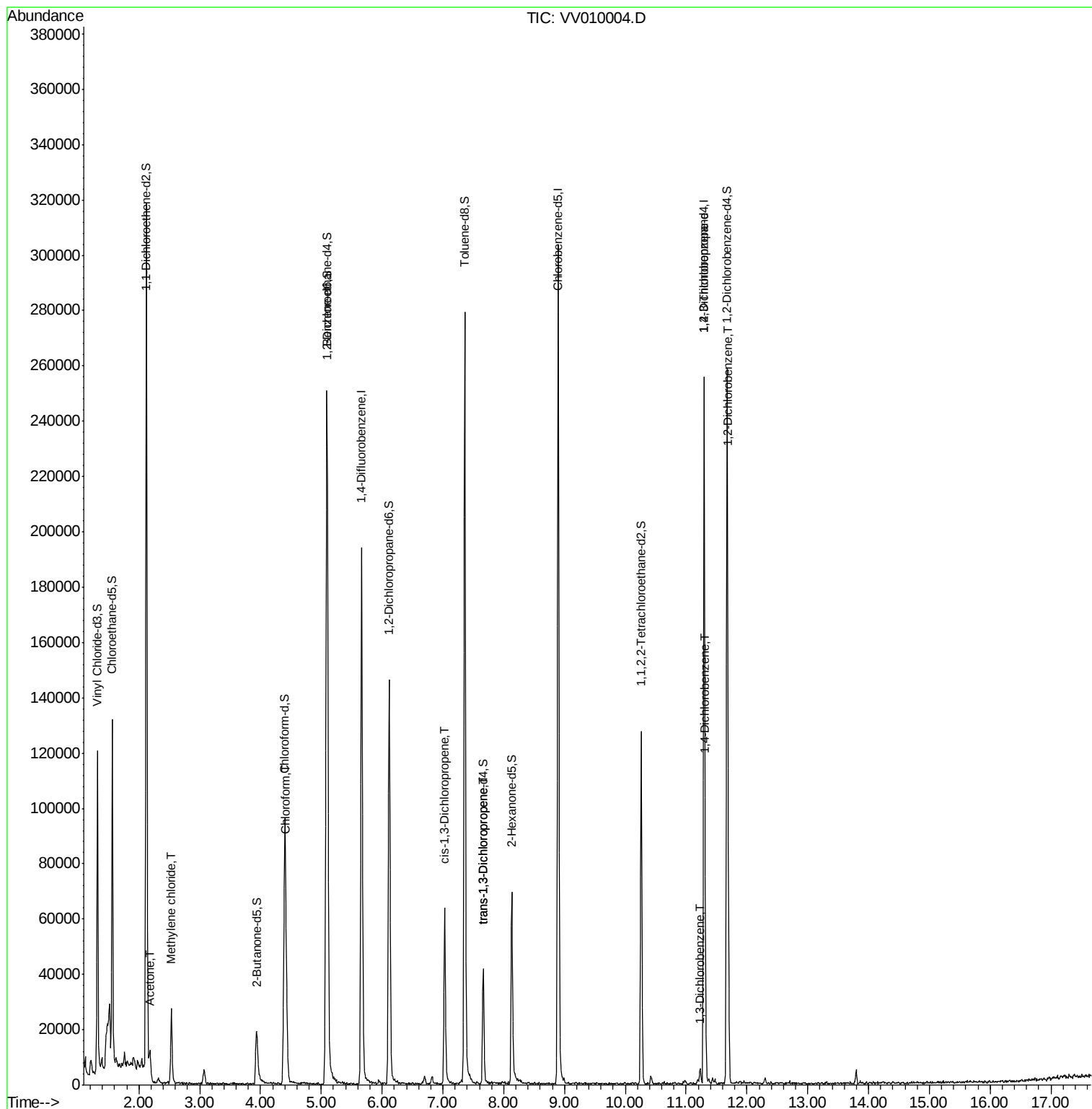
Quant Time: Mar 30 04:17:22 2019

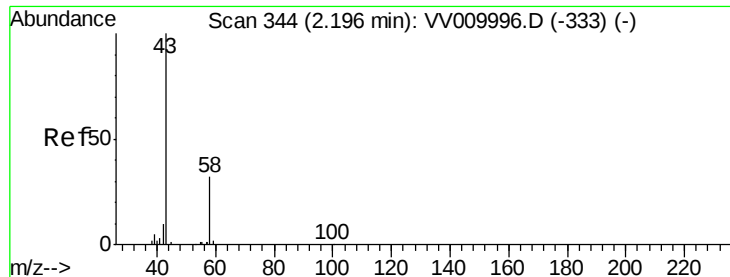
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M

Quant Title : VOC Analysis

QLast Update : Sat Mar 30 04:13:13 2019

Response via : Initial Calibration





#13

Acetone

Concen: 6.128 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV010004.D

Acq: 29 Mar 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

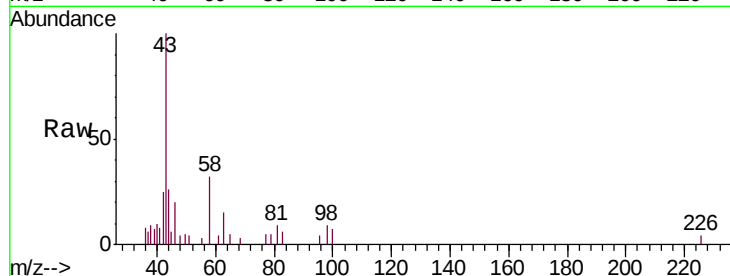
BF5C6

Tgt Ion: 43 Resp: 5534

Ion Ratio Lower Upper

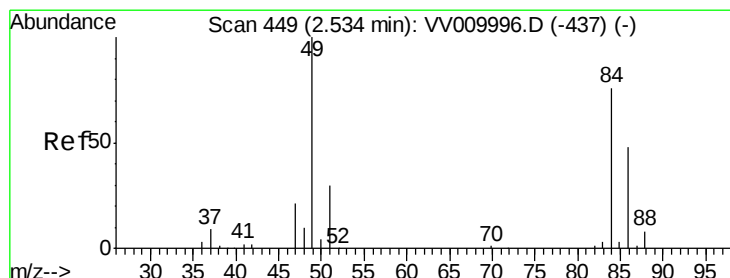
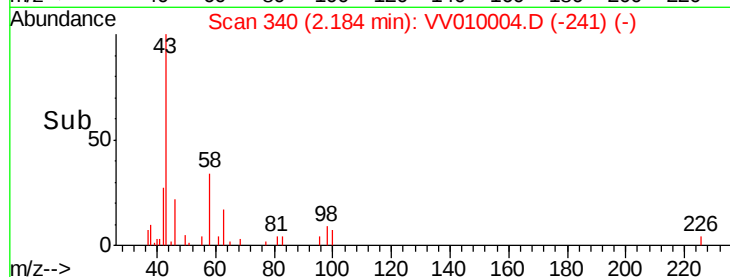
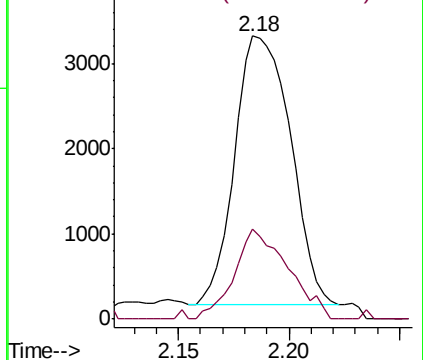
43 100

58 32.2 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: 4.048 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV010004.D

Acq: 29 Mar 2019 16:28

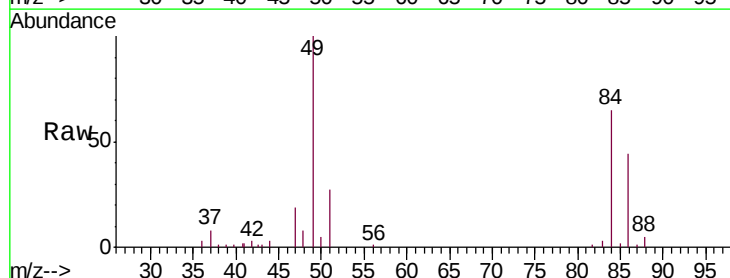
Tgt Ion: 84 Resp: 10515

Ion Ratio Lower Upper

84 100

49 154.7 90.4 167.8

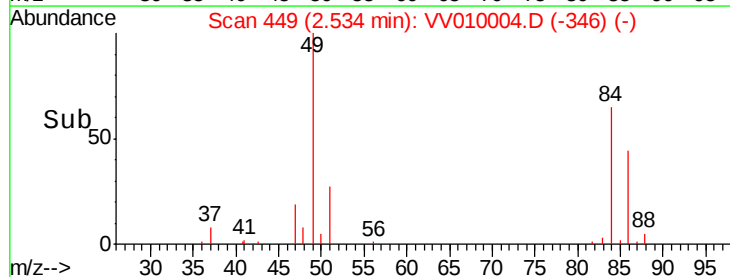
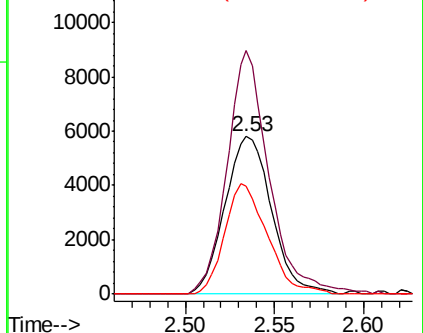
86 68.2 44.0 81.6

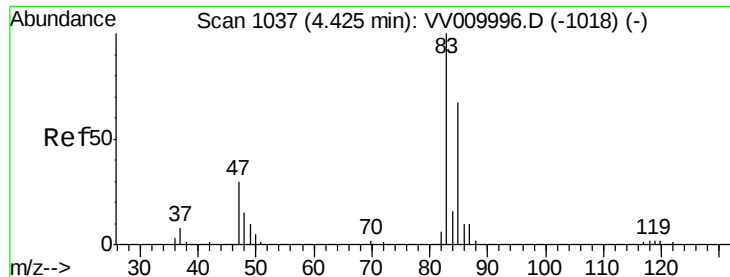


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

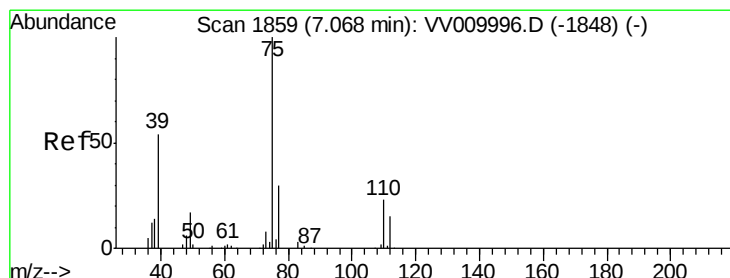
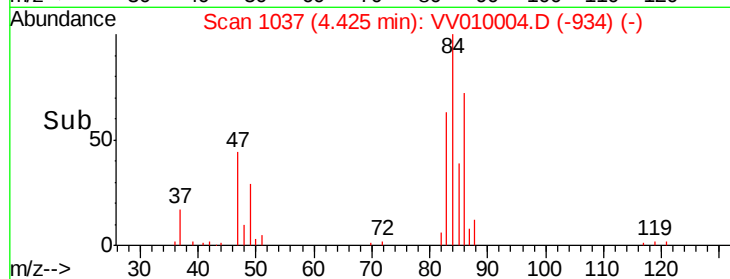
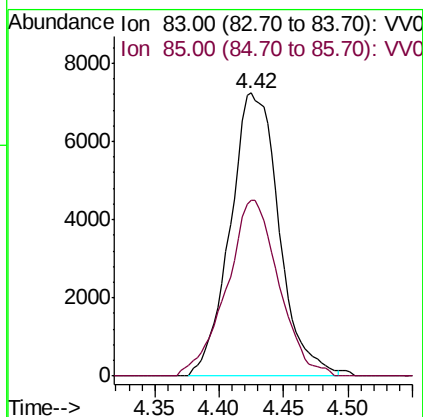
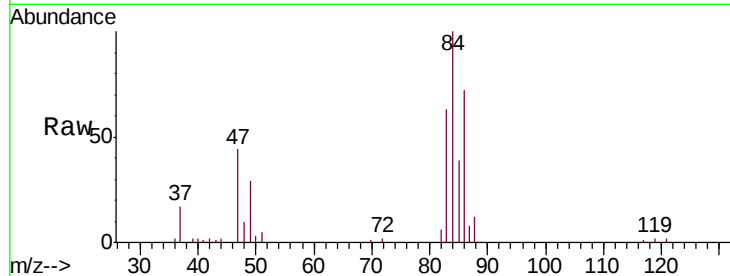




#25
Chloroform
Concen: 4.569 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010004.D
Acq: 29 Mar 2019 16:28

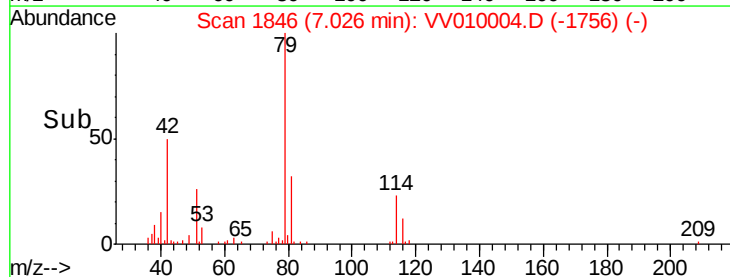
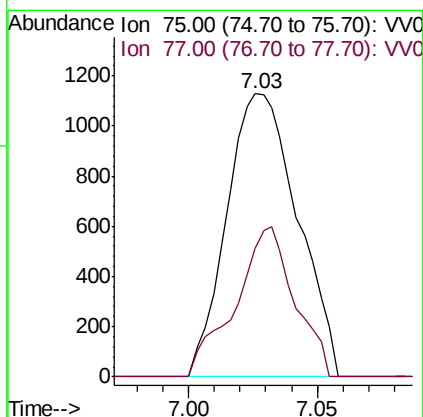
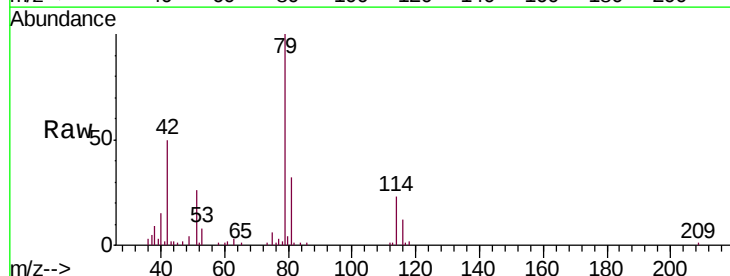
Instrument :
MSVOA_V
ClientSampled :
BF5C6

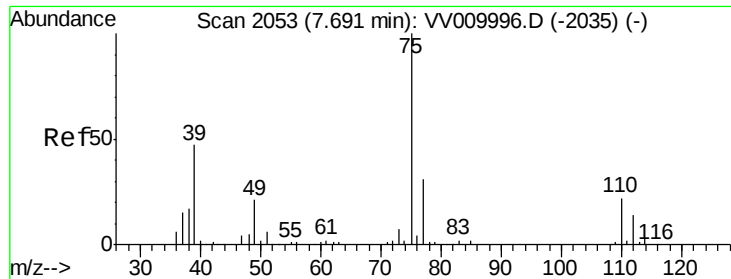
Tgt Ion: 83 Resp: 19091
Ion Ratio Lower Upper
83 100
85 66.2 46.1 85.7



#42
cis-1,3-Dichloropropene
Concen: 0.697 ug/L
RT: 7.03 min Scan# 1846
Delta R.T. -0.04 min
Lab File: VV010004.D
Acq: 29 Mar 2019 16:28

Tgt Ion: 75 Resp: 2159
Ion Ratio Lower Upper
75 100
77 45.5 21.8 40.6#





#45

trans-1,3-Dichloropropene

Concen: 0.507 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV010004.D

Acq: 29 Mar 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

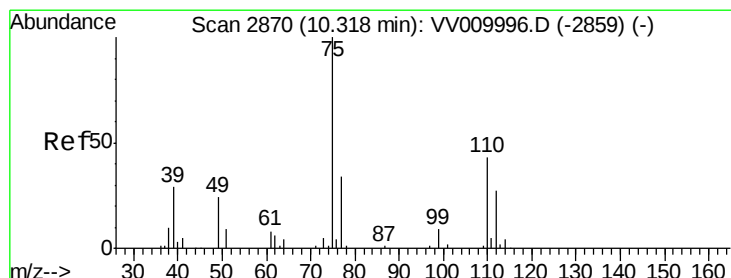
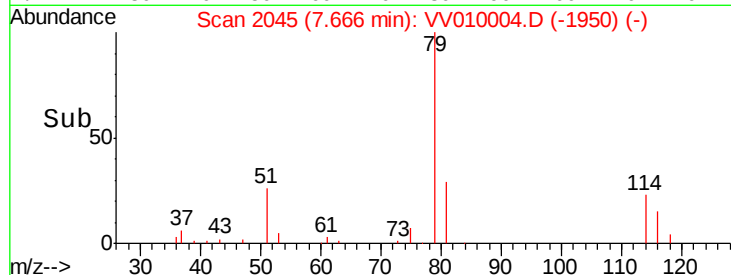
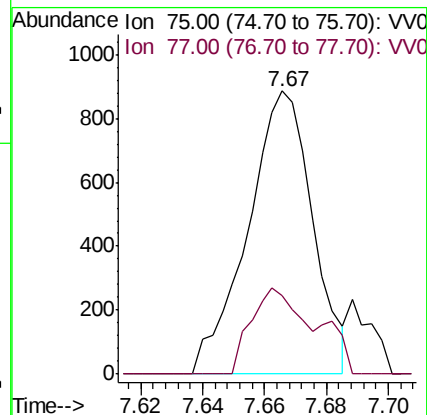
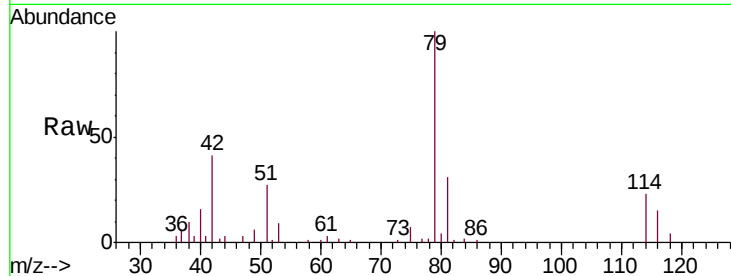
BF5C6

Tgt Ion: 75 Resp: 1286

Ion Ratio Lower Upper

75 100

77 27.8 20.7 38.5



#59

1,2,3-Trichloropropane

Concen: 6.769 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010004.D

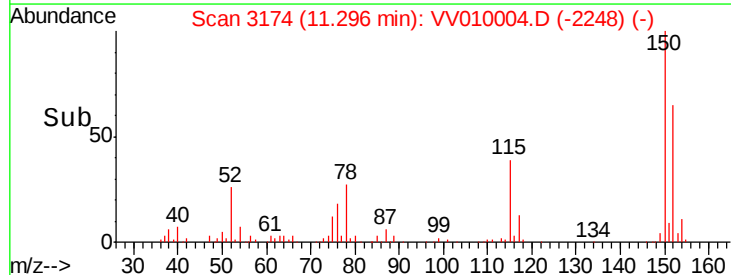
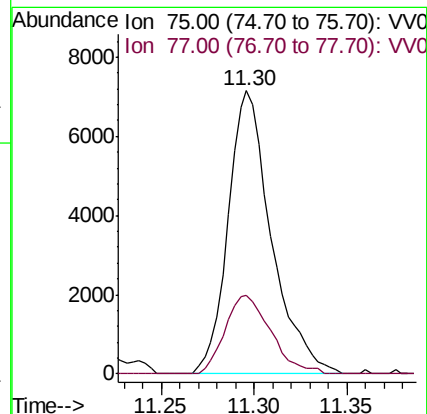
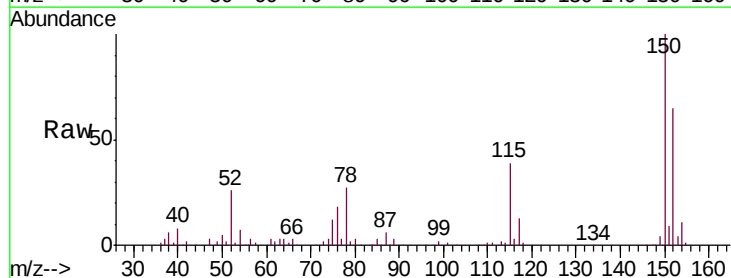
Acq: 29 Mar 2019 16:28

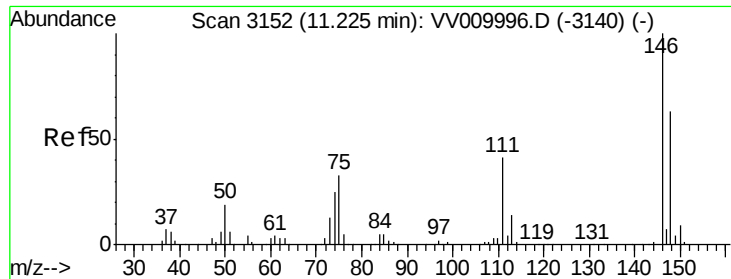
Tgt Ion: 75 Resp: 11569

Ion Ratio Lower Upper

75 100

77 29.4 26.2 39.2

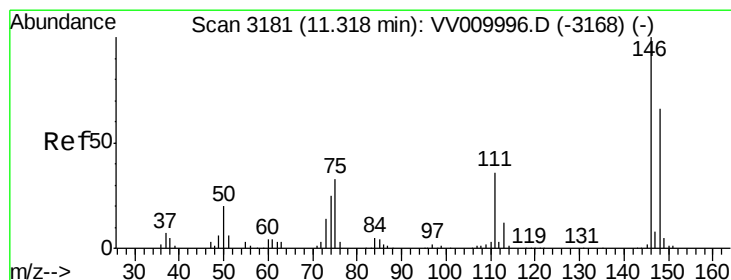
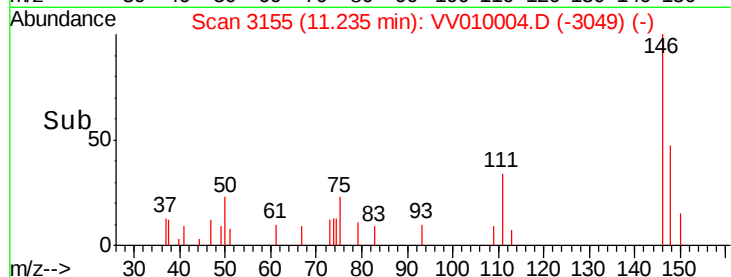
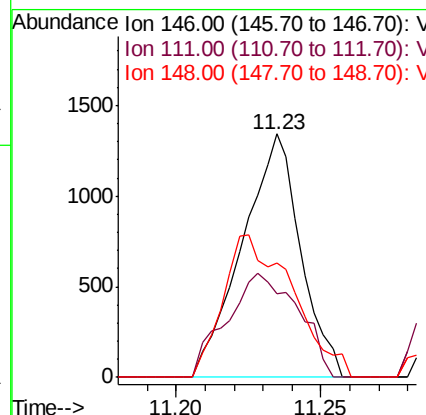
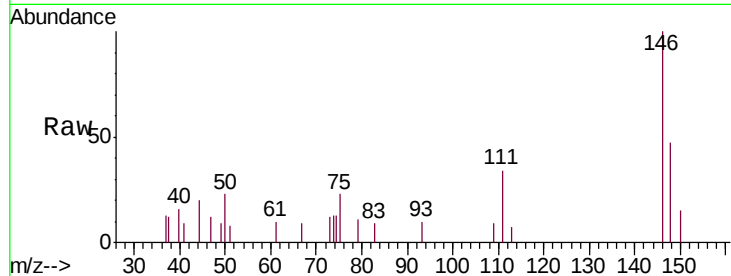




#63
 1,3-Dichlorobenzene
 Concen: 0.487 ug/L
 RT: 11.23 min Scan# 3155
 Delta R.T. 0.01 min
 Lab File: VV010004.D
 Acq: 29 Mar 2019 16:28

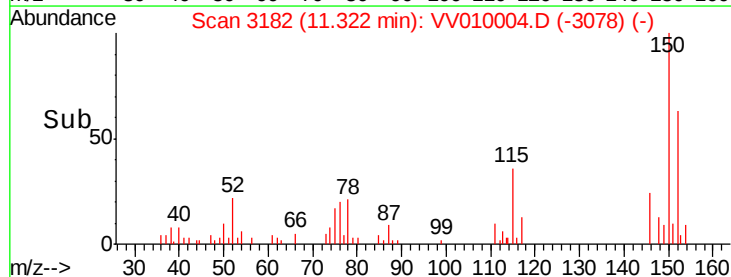
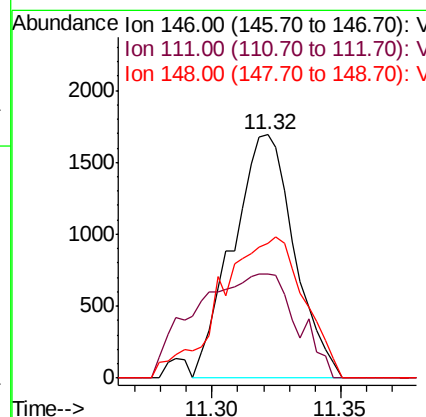
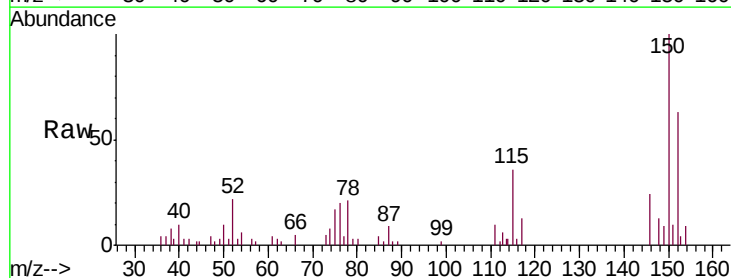
Instrument :
 MSVOA_V
 ClientSampleId :
 BF5C6

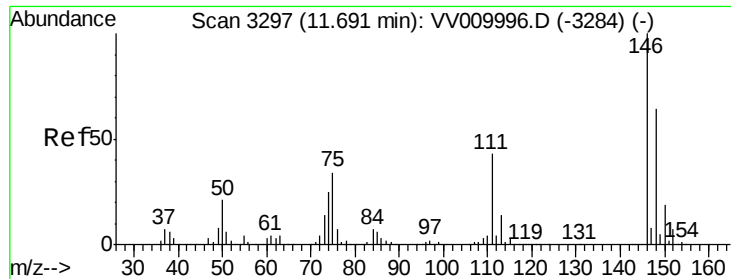
Tgt Ion:146 Resp: 1878
 Ion Ratio Lower Upper
 146 100
 111 34.5 28.5 52.9
 148 47.2 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 0.671 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV010004.D
 Acq: 29 Mar 2019 16:28

Tgt Ion:146 Resp: 2813
 Ion Ratio Lower Upper
 146 100
 111 42.9 25.4 47.2
 148 55.5 44.1 81.9

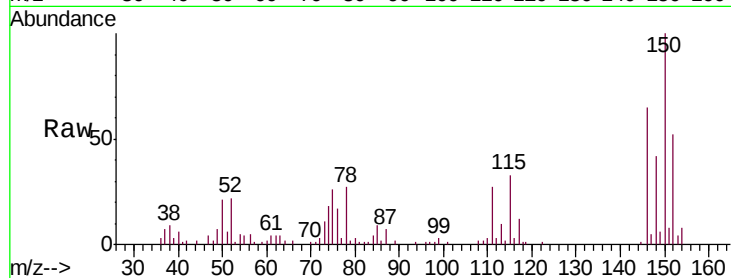




#65
 1,2-Dichlorobenzene
 Concen: 4.852 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010004.D
 Acq: 29 Mar 2019 16:28

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5C6

Tgt Ion:146 Resp: 18481
 Ion Ratio Lower Upper
 146 100
 111 41.9 32.7 49.1
 148 63.6 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V
 15000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

