

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
 Data File : VV010138.D
 Acq On : 05 Apr 2019 18:22
 Operator : SY/MD
 Sample : K2168-15
 Misc : 4.92G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF640

Quant Time: Apr 05 23:50:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 23:46:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	150121	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	171140	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72458	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19398	9.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	38.60%
7) Chloroethane-d5	1.57	69	27622	11.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	44.28%
10) 1,1-Dichloroethene-d2	2.13	63	44625	8.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	35.20%#
20) 2-Butanone-d5	3.95	46	2035	3.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	7.12%#
24) Chloroform-d	4.40	84	108078	28.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	114.32%
26) 1,2-Dichloroethane-d4	5.08	65	84039	39.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	158.88%#
29) Benzene-d6	5.10	84	202877	22.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.44%
33) 1,2-Dichloropropane-d6	6.12	67	75994	29.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.04%
37) Toluene-d8	7.36	98	179154	20.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.80%
38) trans-1,3-Dichloropropene-	7.66	79	20883	18.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.60%
39) 2-Hexanone-d5	8.14	63	3116	5.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	11.86%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	84018	32.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	130.08%#
61) 1,2-Dichlorobenzene-d4	11.68	152	81408	28.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	115.36%

Target Compounds

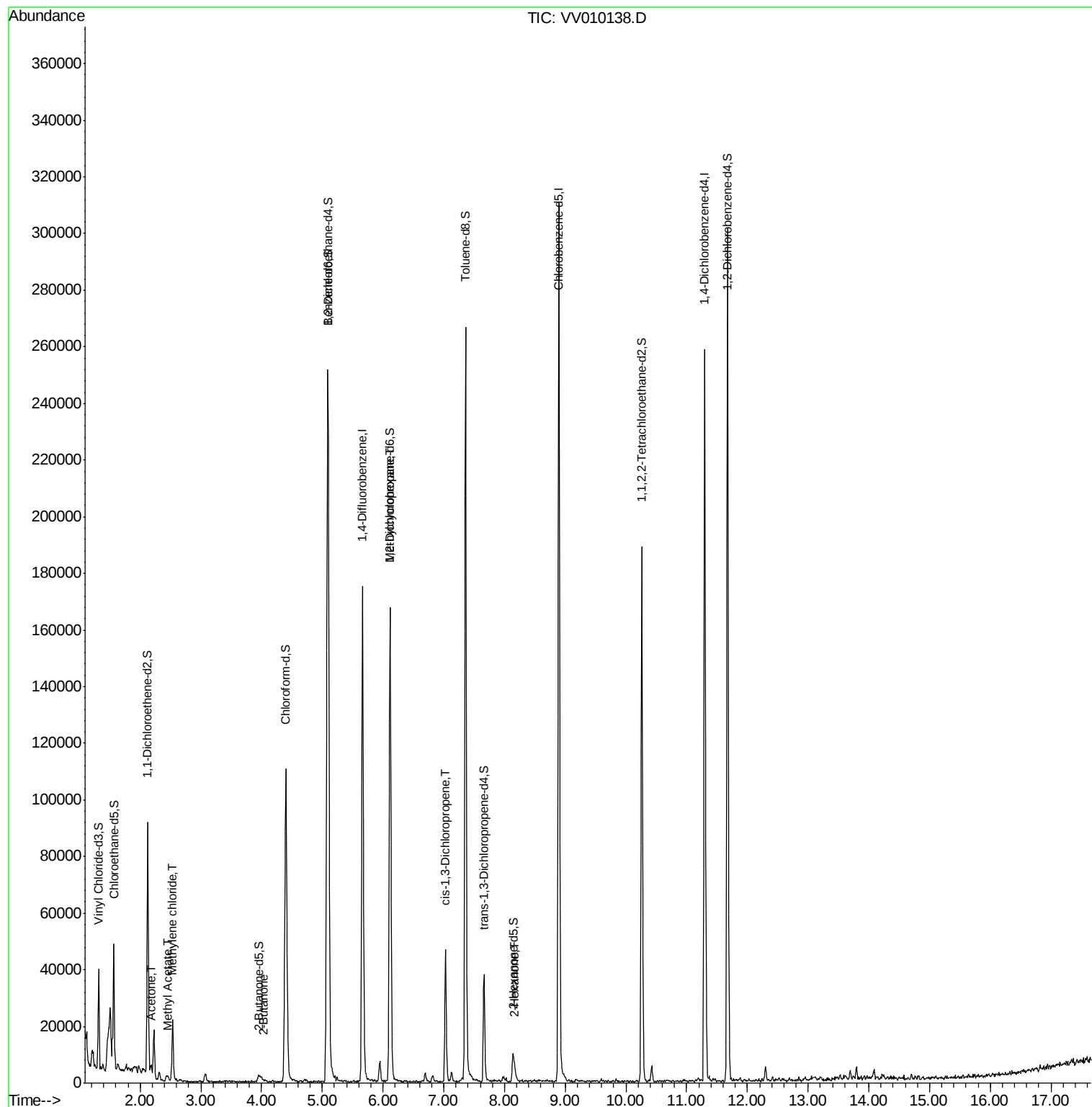
					Qvalue
13) Acetone	2.19	43	3621	6.404 ug/L	97
15) Methyl Acetate	2.46	43	1608	1.777 ug/L #	72
16) Methylene chloride	2.53	84	8933	3.387 ug/L	94
21) 2-Butanone	4.03	43	738	1.192 ug/L #	49
36) Methylcyclohexane	6.12	83	19315	5.352 ug/L #	21
42) cis-1,3-Dichloropropene	7.03	75	935	0.305 ug/L #	18
49) 2-Hexanone	8.17	43	1747	1.563 ug/L #	56

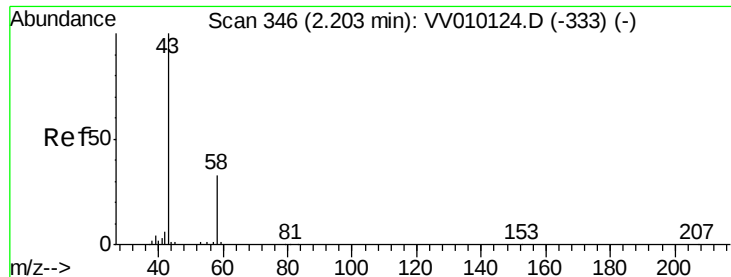
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 6.404 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV010138.D

Acq: 05 Apr 2019 18:22

Instrument :

MSVOA_V

ClientSampled :

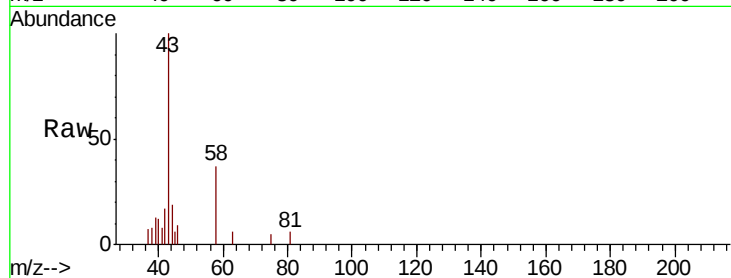
BF640

Tgt Ion: 43 Resp: 3621

Ion Ratio Lower Upper

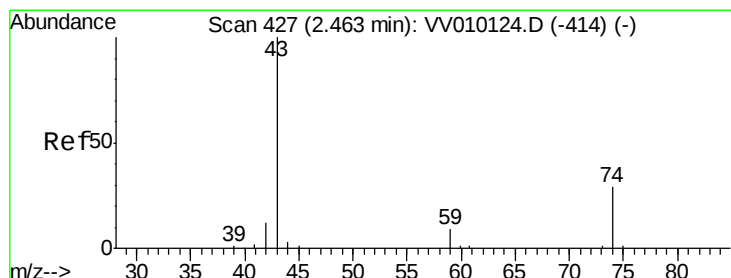
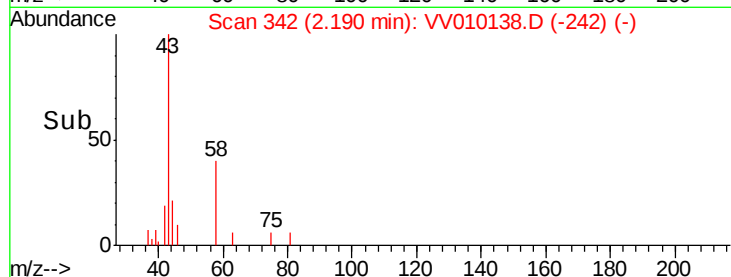
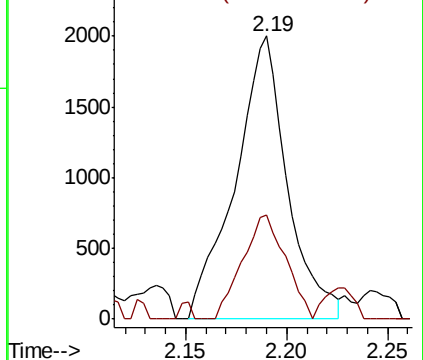
43 100

58 30.4 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#15

Methyl Acetate

Concen: 1.777 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV010138.D

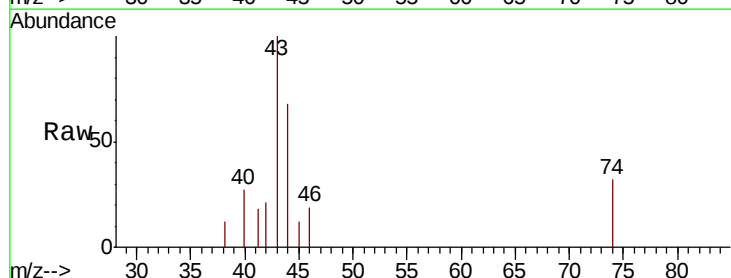
Acq: 05 Apr 2019 18:22

Tgt Ion: 43 Resp: 1608

Ion Ratio Lower Upper

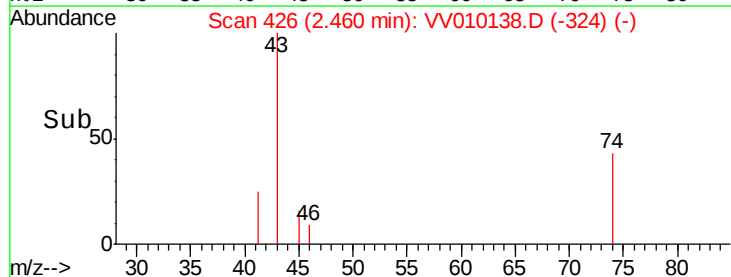
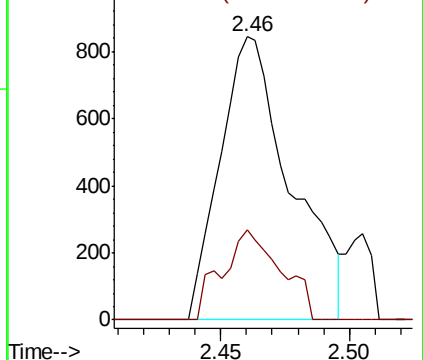
43 100

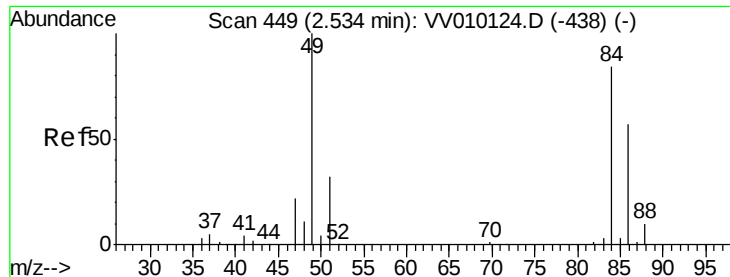
74 11.1 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

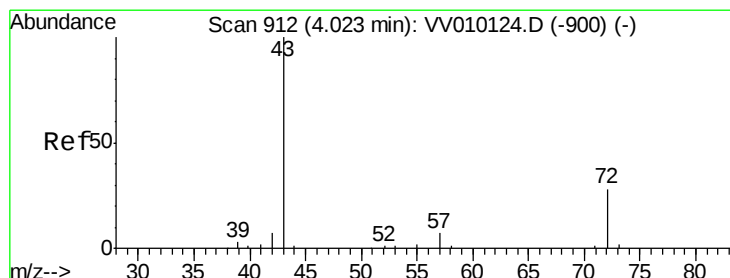
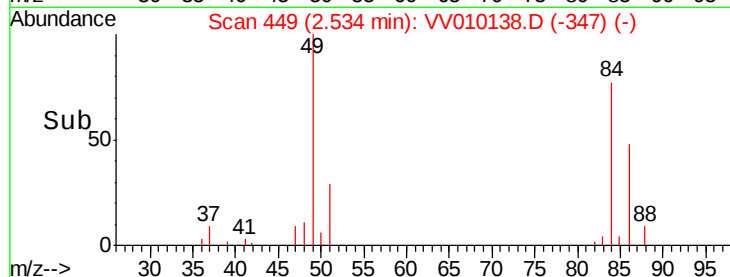
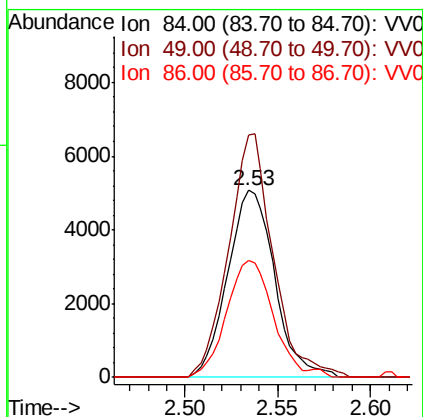
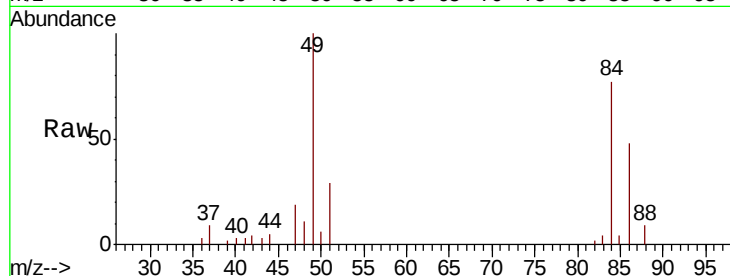




#16
Methylene chloride
Concen: 3.387 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010138.D
Acq: 05 Apr 2019 18:22

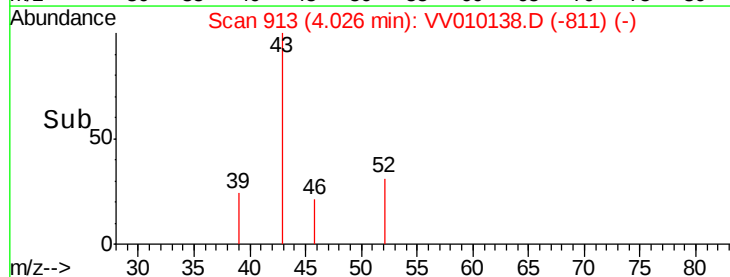
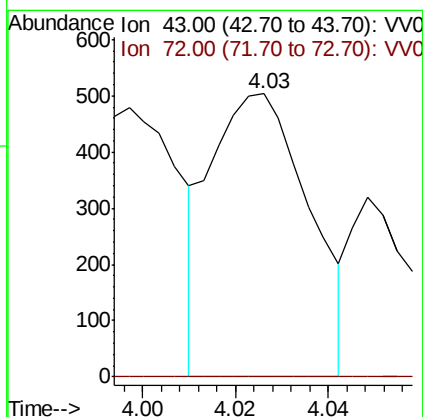
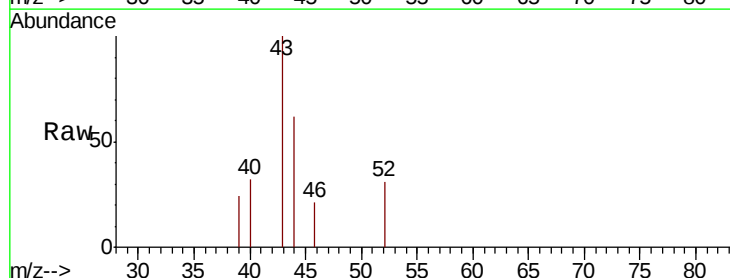
Instrument :
MSVOA_V
ClientSampled :
BF640

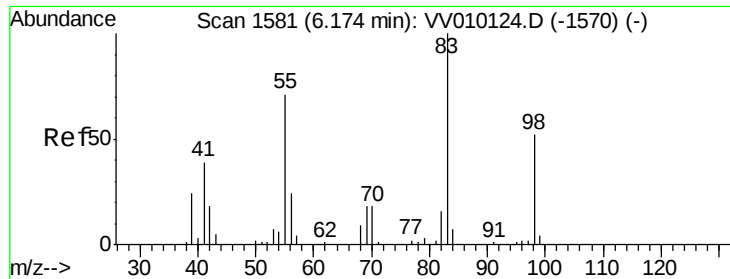
Tgt Ion: 84 Resp: 8933
Ion Ratio Lower Upper
84 100
49 129.7 84.3 156.5
86 62.7 45.4 84.2



#21
2-Butanone
Concen: 1.192 ug/L
RT: 4.03 min Scan# 913
Delta R.T. -0.00 min
Lab File: VV010138.D
Acq: 05 Apr 2019 18:22

Tgt Ion: 43 Resp: 738
Ion Ratio Lower Upper
43 100
72 0.0 12.8 38.4#

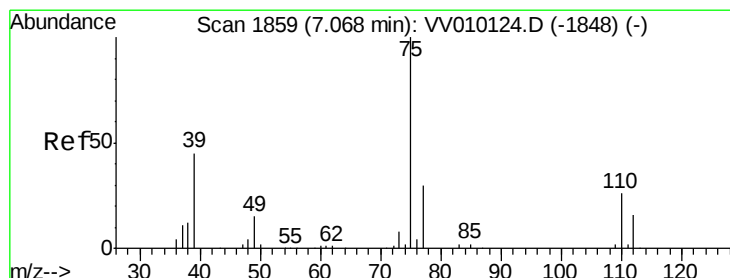
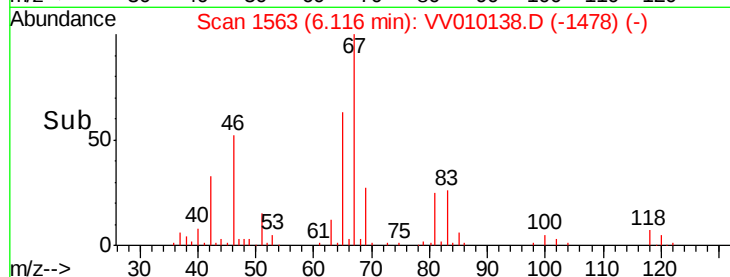
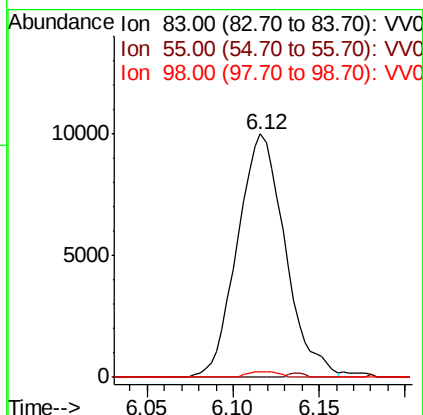
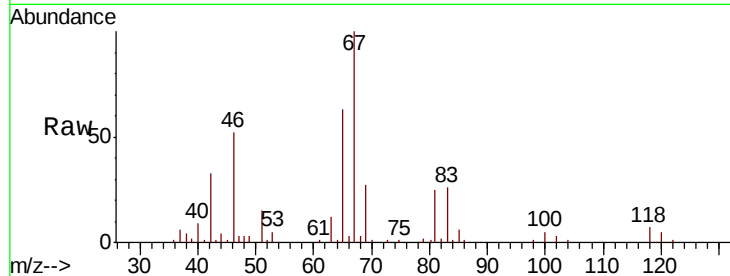




#36
Methylcyclohexane
Concen: 5.352 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV010138.D
Acq: 05 Apr 2019 18:22

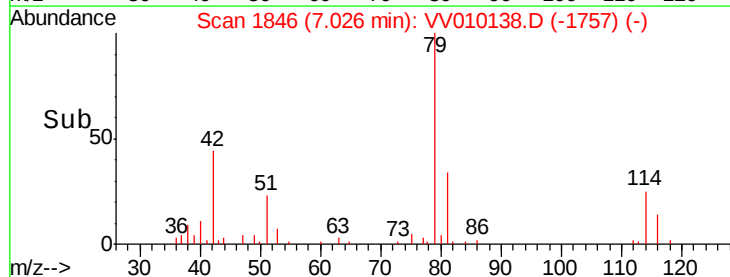
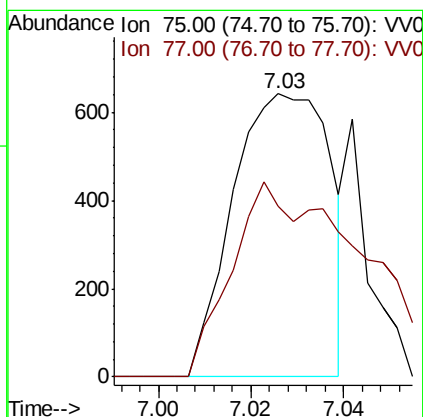
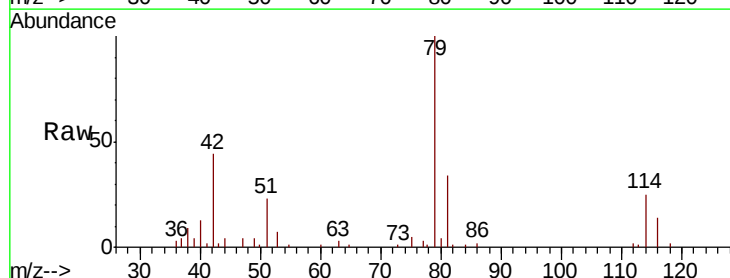
Instrument :
MSVOA_V
ClientSampled :
BF640

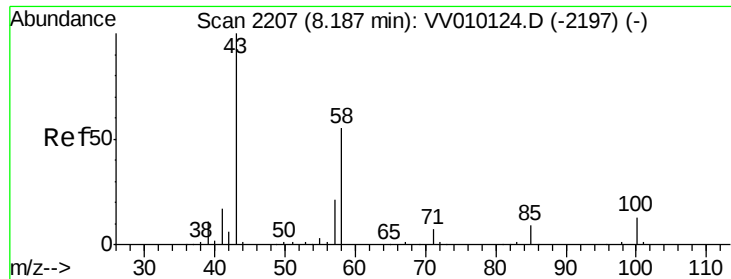
Tgt Ion: 83 Resp: 19315
Ion Ratio Lower Upper
83 100
55 0.6 56.3 84.5#
98 1.0 39.0 58.6#



#42
cis-1,3-Dichloropropene
Concen: 0.305 ug/L
RT: 7.03 min Scan# 1846
Delta R.T. -0.04 min
Lab File: VV010138.D
Acq: 05 Apr 2019 18:22

Tgt Ion: 75 Resp: 935
Ion Ratio Lower Upper
75 100
77 77.1 22.1 41.1#





#49
 2-Hexanone
 Concen: 1.563 ug/L
 RT: 8.17 min Scan# 2202
 Delta R.T. -0.02 min
 Lab File: VV010138.D
 Acq: 05 Apr 2019 18:22

Instrument :
 MSVOA_V
 ClientSampleId :
 BF640

Tgt Ion:	43	Resp:	1747
Ion	Ratio	Lower	Upper
43	100		
58	19.1	44.3	66.5#
57	2.6	13.8	20.8#
100	0.0	10.6	15.8#

