

Data File : VV010986.D
Acq On : 21 May 2019 05:50
Operator : SY/MD
Sample : K2948-03
Misc : 5.36G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFHA8

Quant Time: May 22 04:56:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Wed May 22 04:53:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	39565	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	40137	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	12650	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	5448	12.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	48.32%
7) Chloroethane-d5	1.57	69	5265	17.24	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.96%
10) 1,1-Dichloroethene-d2	2.12	63	9578	11.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	44.16%#
20) 2-Butanone-d5	3.94	46	2149	13.81	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	27.62%
24) Chloroform-d	4.40	84	27014	26.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.44%
26) 1,2-Dichloroethane-d4	5.08	65	17190	28.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.84%
29) Benzene-d6	5.09	84	45940	20.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.88%
33) 1,2-Dichloropropane-d6	6.12	67	19324	27.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.00%
37) Toluene-d8	7.36	98	36303	17.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	71.28%
38) trans-1,3-Dichloropropene-	7.66	79	3915	13.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	54.76%
39) 2-Hexanone-d5	8.14	63	2898	22.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	44.64%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	16434	23.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	12711	24.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.00%

Target Compounds

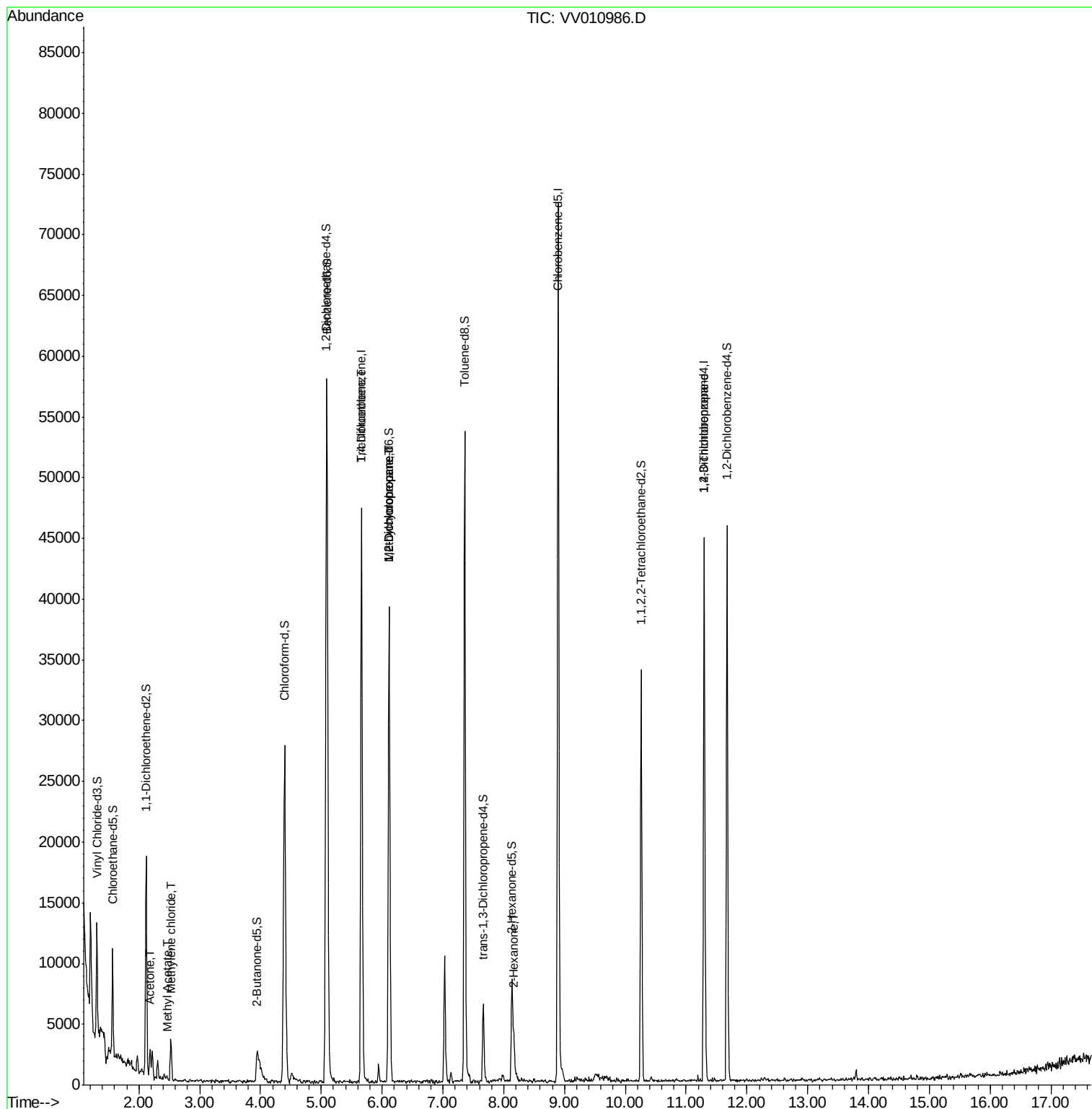
					Qvalue
13) Acetone	2.18	43	2281	15.198 ug/L	98
15) Methyl Acetate	2.45	43	360	1.248 ug/L #	49
16) Methylene chloride	2.53	84	1262	1.859 ug/L	82
35) Trichloroethene	5.66	95	1257	1.966 ug/L #	5
36) Methylcyclohexane	6.11	83	4480	4.740 ug/L #	24
40) 1,2-Dichloropropane	6.12	63	2009	3.304 ug/L #	86
49) 2-Hexanone	8.17	43	1369	4.302 ug/L #	39
59) 1,2,3-Trichloropropane	11.30	75	1479	2.951 ug/L	96

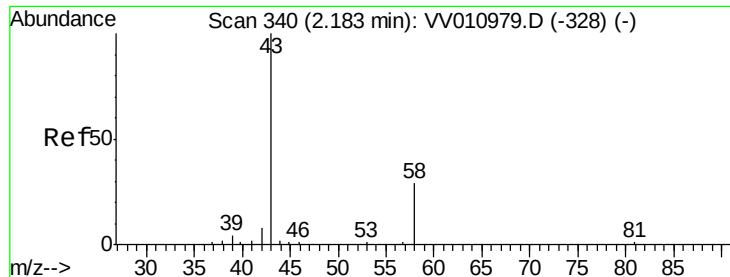
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 15.198 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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Acq: 21 May 2019 05:50

Instrument :

MSVOA_V

ClientSampleId :

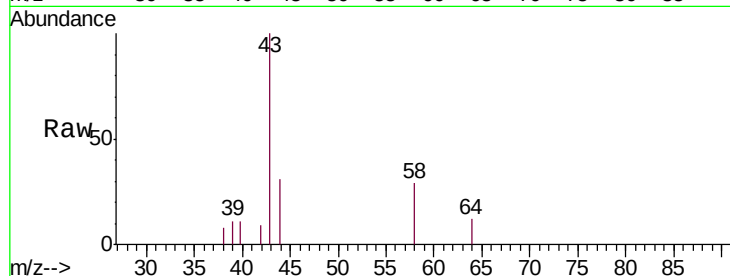
BFHA8

Tgt Ion: 43 Resp: 2281

Ion Ratio Lower Upper

43 100

58 31.7 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV010979.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV010979.D (-328) (-)

2.18

1500

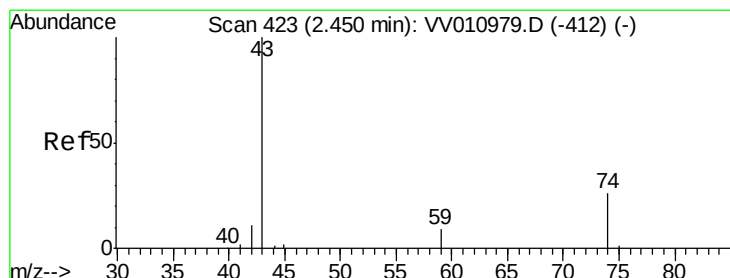
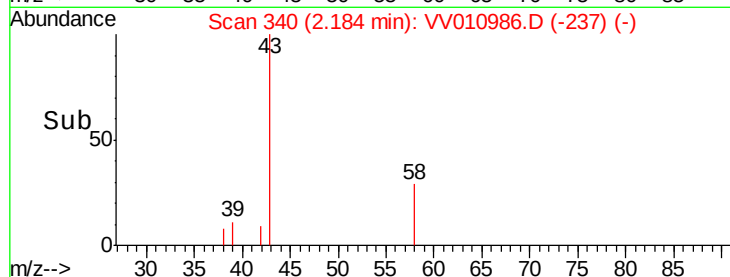
1000

500

0

2.15 2.20

Time-->



#15

Methyl Acetate

Concen: 1.248 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV010986.D

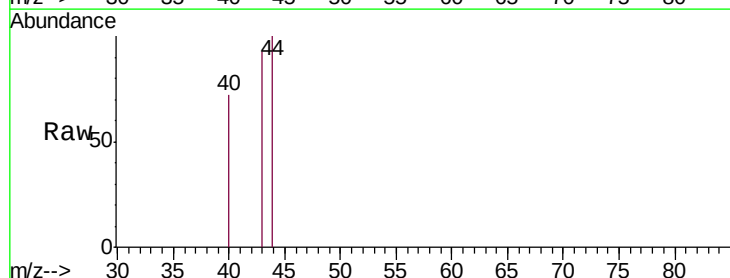
Acq: 21 May 2019 05:50

Tgt Ion: 43 Resp: 360

Ion Ratio Lower Upper

43 100

74 0.0 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VV010979.D (-412) (-)

Ion 74.00 (73.70 to 74.70): VV010979.D (-412) (-)

2.45

300

250

200

150

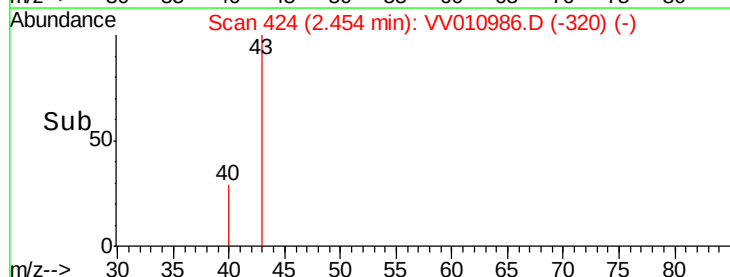
100

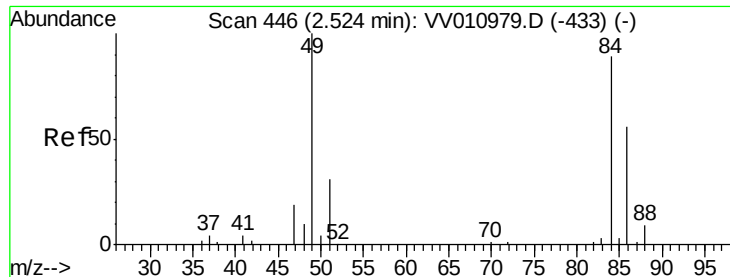
50

0

2.44 2.46 2.48

Time-->

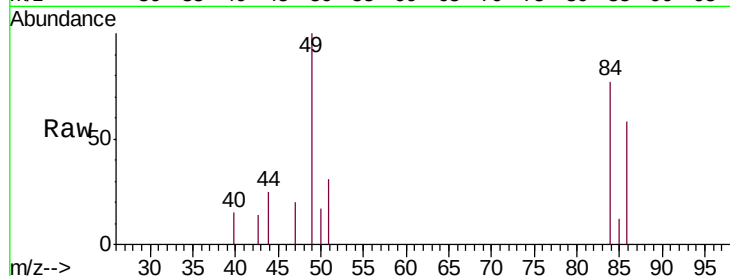




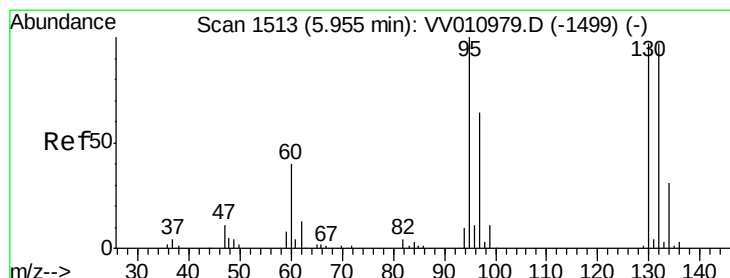
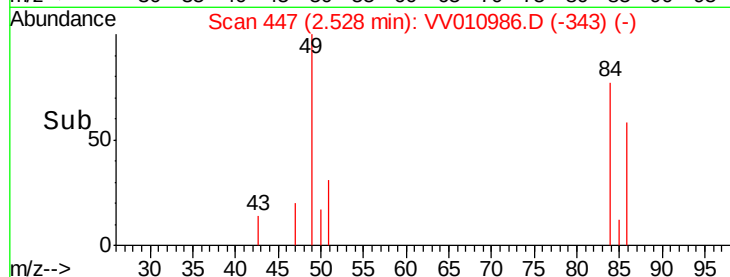
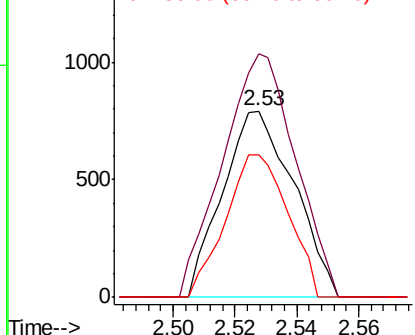
#16
Methylene chloride
Concen: 1.859 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV010986.D
Acq: 21 May 2019 05:50

Instrument :
MSVOA_V
ClientSampled :
BFHA8

Tgt Ion: 84 Resp: 1262
Ion Ratio Lower Upper
84 100
49 130.5 77.4 143.8
86 76.3 44.0 81.6

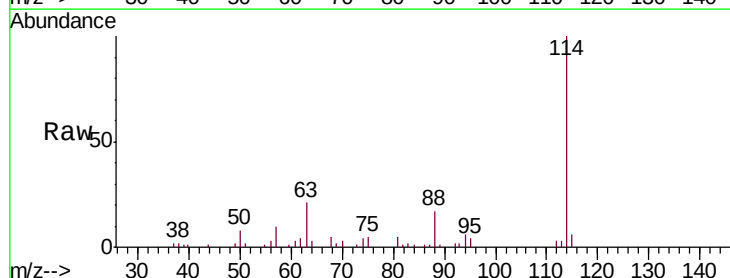


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

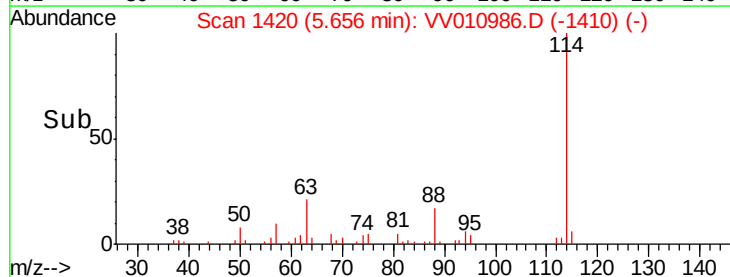
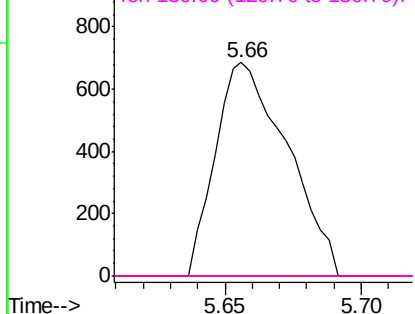


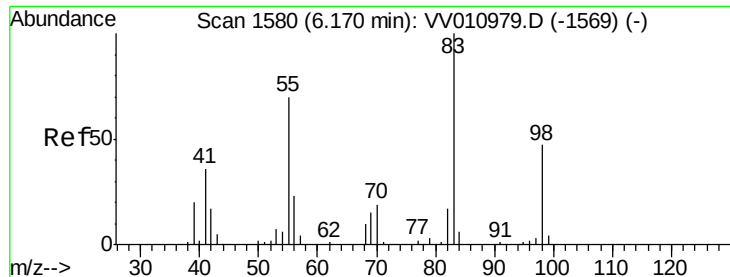
#35
Trichloroethene
Concen: 1.966 ug/L
RT: 5.66 min Scan# 1420
Delta R.T. -0.30 min
Lab File: VV010986.D
Acq: 21 May 2019 05:50

Tgt Ion: 95 Resp: 1257
Ion Ratio Lower Upper
95 100
97 0.0 43.4 80.6#
132 0.0 68.8 127.8#
130 0.0 69.9 129.9#



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

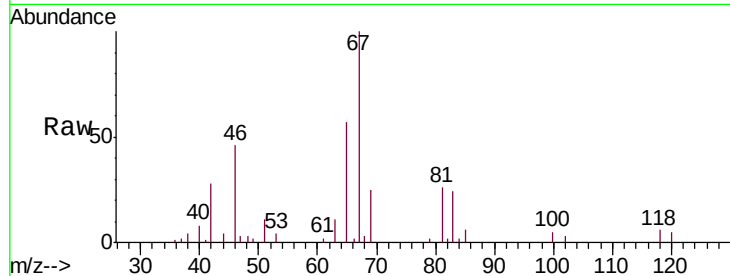




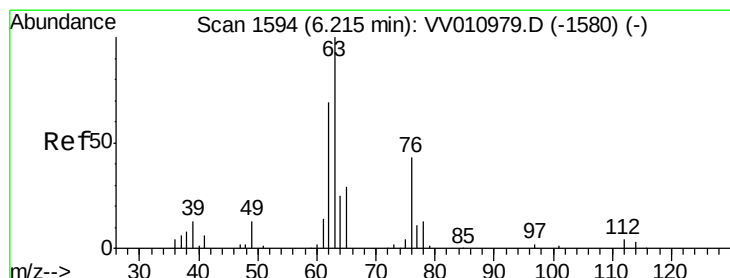
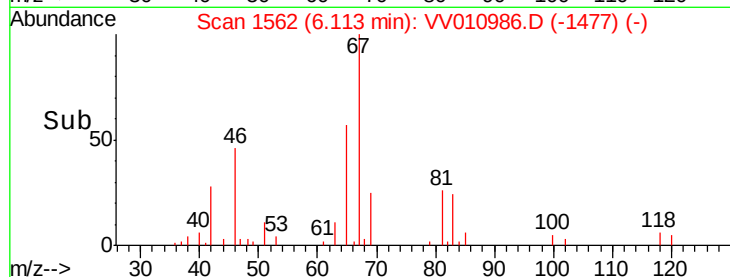
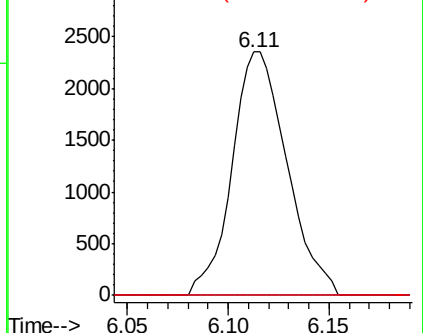
#36
Methylcyclohexane
Concen: 4.740 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV010986.D
Acq: 21 May 2019 05:50

Instrument :
MSVOA_V
ClientSampleId :
BFHA8

Tgt Ion: 83 Resp: 4480
Ion Ratio Lower Upper
83 100
55 0.0 57.0 85.4#
98 5.6 36.2 54.4#

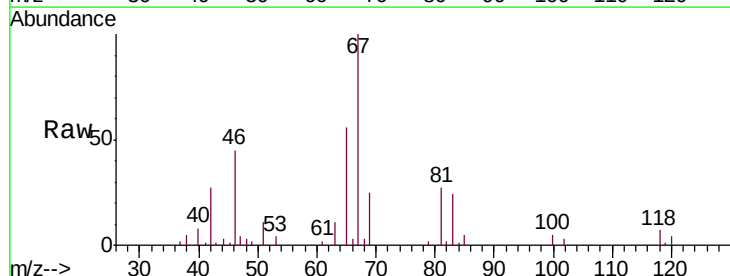


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

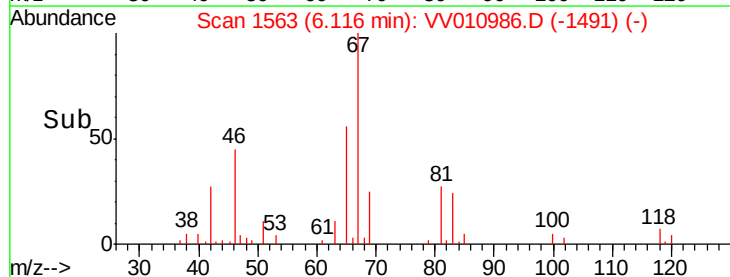
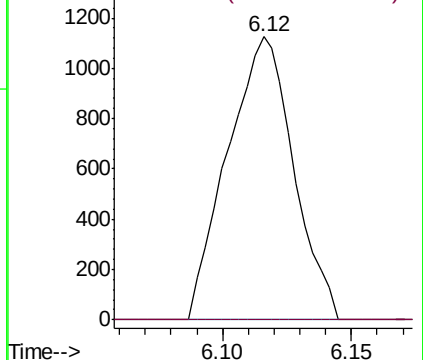


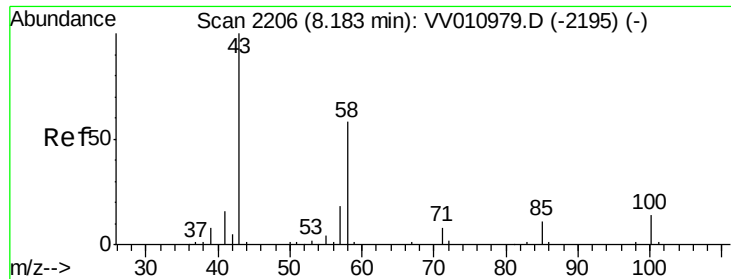
#40
1,2-Dichloropropane
Concen: 3.304 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV010986.D
Acq: 21 May 2019 05:50

Tgt Ion: 63 Resp: 2009
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

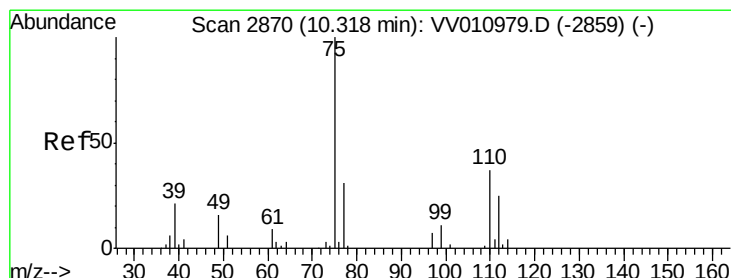
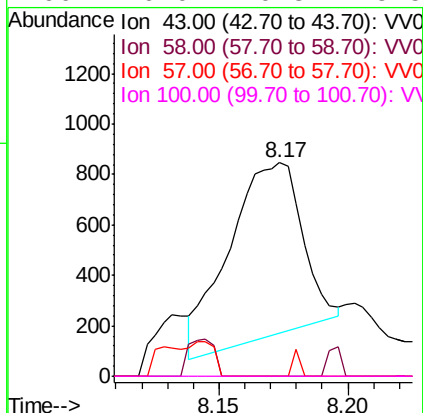
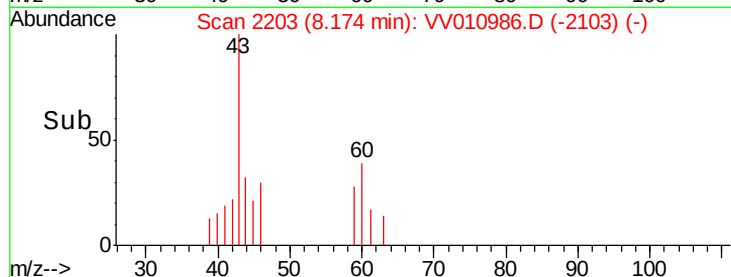
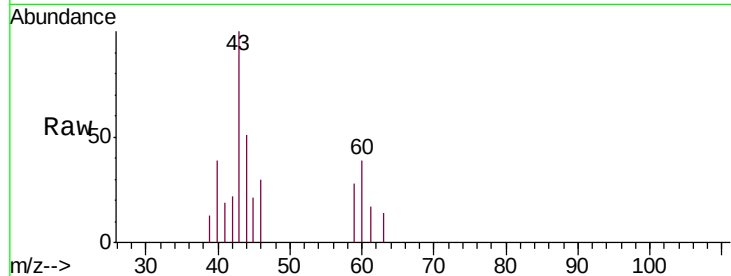




#49
2-Hexanone
Concen: 4.302 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VV010986.D
Acq: 21 May 2019 05:50

Instrument :
MSVOA_V
ClientSampleId :
BFHA8

Tgt Ion:	43	Resp:	1369
Ion	Ratio	Lower	Upper
43	100		
58	3.1	46.0	69.0#
57	0.0	14.5	21.7#
100	0.0	10.3	15.5#



#59
1,2,3-Trichloropropane
Concen: 2.951 ug/L
RT: 11.30 min Scan# 3175
Delta R.T. 0.98 min
Lab File: VV010986.D
Acq: 21 May 2019 05:50

Tgt Ion:	75	Resp:	1479
Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.4	38.2

