

Data File : VV010079.D
Acq On : 03 Apr 2019 01:00
Operator : SY/MD
Sample : K2148-16
Misc : 2.35G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J1

Quant Time: Apr 03 06:51:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 06:44:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	45473	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	38789	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	9940	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5553	9.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	36.48%
7) Chloroethane-d5	1.58	69	10394	13.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.00%
10) 1,1-Dichloroethene-d2	2.13	63	12057	7.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	31.40%#
20) 2-Butanone-d5	4.25	46	43	0.25	ug/L	0.31
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.50%#
24) Chloroform-d	4.40	84	37028	32.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	129.28%
26) 1,2-Dichloroethane-d4	5.08	65	29314	45.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	182.96%#
29) Benzene-d6	5.10	84	58573	29.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.48%
33) 1,2-Dichloropropane-d6	6.12	67	24893	41.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	167.72%#
37) Toluene-d8	7.36	98	44559	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.96%
38) trans-1,3-Dichloropropene-	7.67	79	654	2.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	10.32%#
39) 2-Hexanone-d5	0.00	63	0	0.00	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.00%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	19344	33.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	132.16%#
61) 1,2-Dichlorobenzene-d4	11.68	152	9771	25.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.92%

Target Compounds

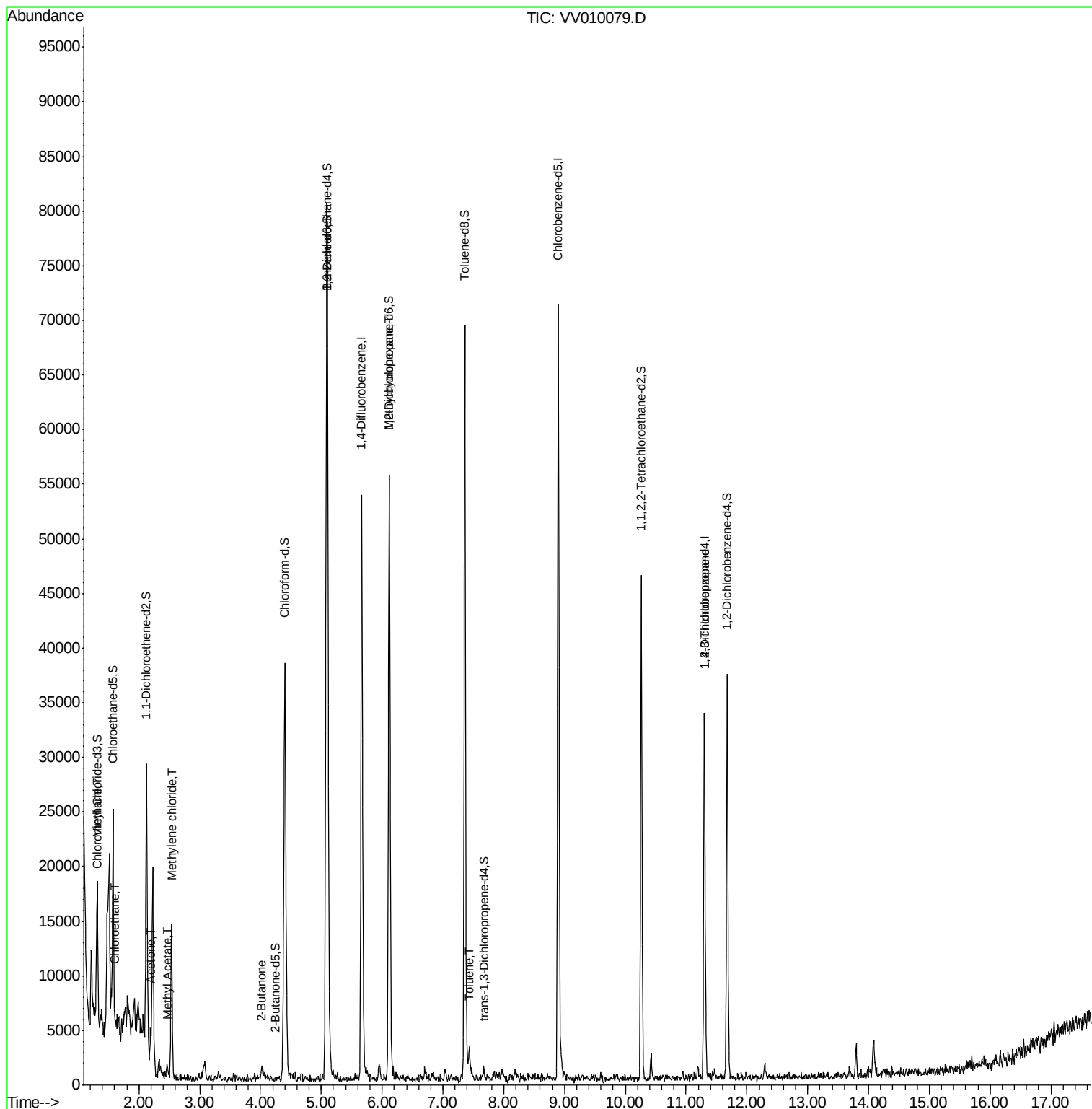
						Qvalue
3) Chloromethane	1.30	50	379	0.647	ug/L	98
8) Chloroethane	1.60	64	445	0.797	ug/L	83
13) Acetone	2.20	43	3462	20.214	ug/L	96
15) Methyl Acetate	2.47	43	844	3.080	ug/L #	79
16) Methylene chloride	2.53	84	5530	6.922	ug/L	90
21) 2-Butanone	4.03	43	718	3.828	ug/L #	49
36) Methylcyclohexane	6.12	83	5955	7.281	ug/L #	24
44) Toluene	7.43	91	1806	0.848	ug/L	81
59) 1,2,3-Trichloropropane	11.30	75	1006	2.570	ug/L	95

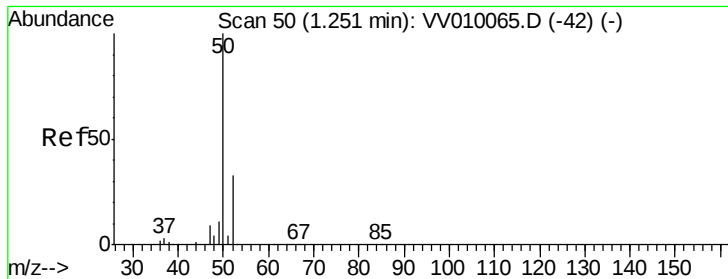
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.647 ug/L

RT: 1.30 min Scan# 65

Delta R.T. 0.05 min

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Acq: 03 Apr 2019 01:00

Instrument :

MSVOA_V

ClientSampleId :

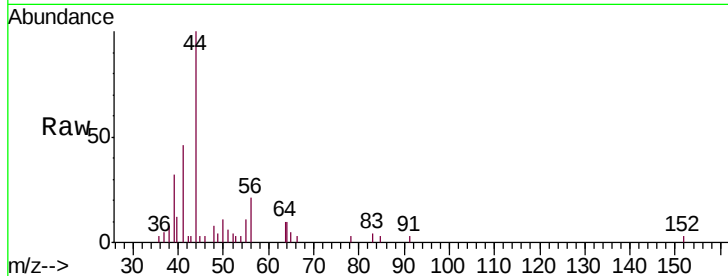
BF5J1

Tgt Ion: 50 Resp: 379

Ion Ratio Lower Upper

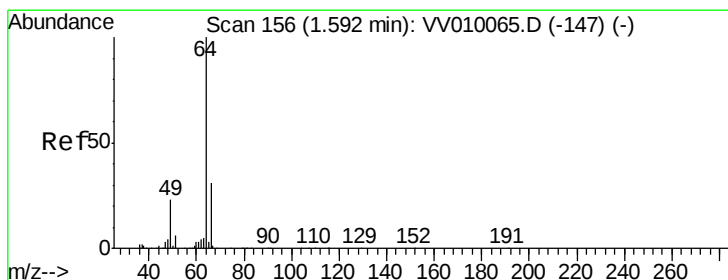
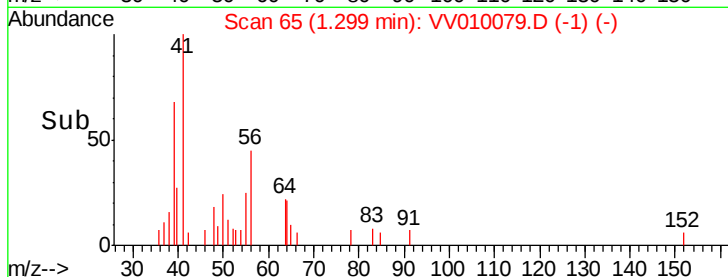
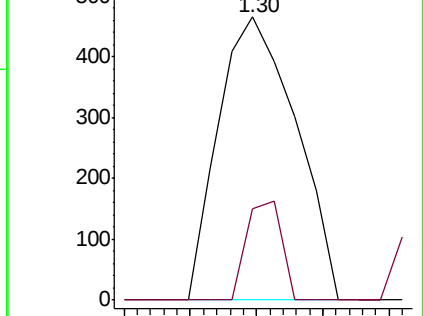
50 100

52 32.3 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#8

Chloroethane

Concen: 0.797 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.01 min

Lab File: VV010079.D

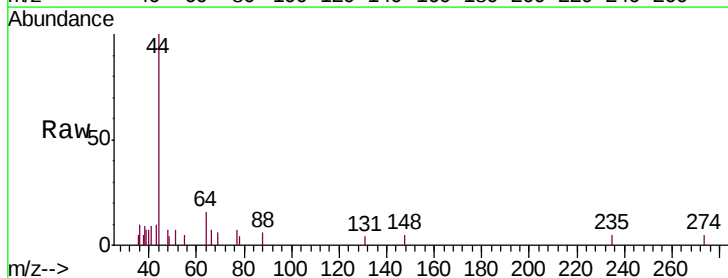
Acq: 03 Apr 2019 01:00

Tgt Ion: 64 Resp: 445

Ion Ratio Lower Upper

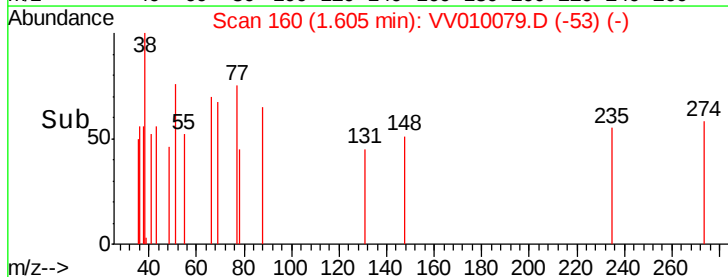
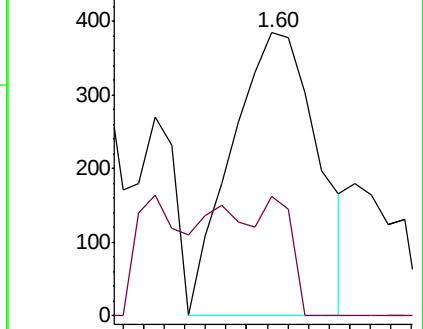
64 100

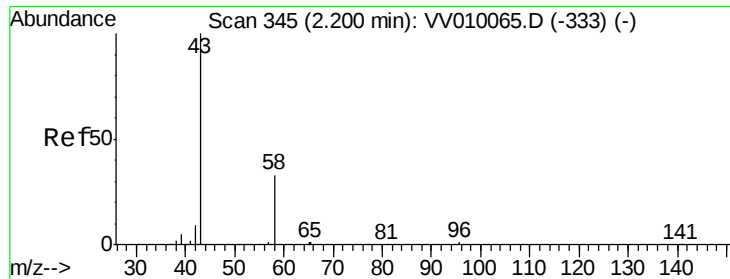
66 42.2 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#13

Acetone

Concen: 20.214 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV010079.D

Acq: 03 Apr 2019 01:00

Instrument :

MSVOA_V

ClientSampled :

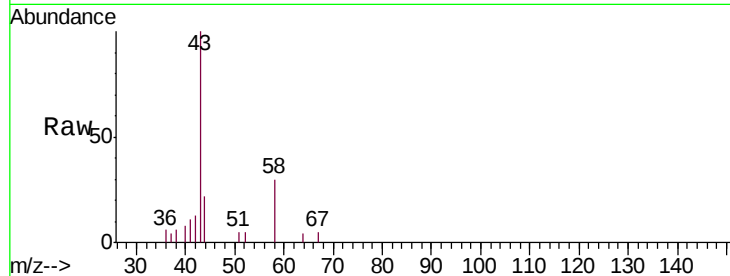
BF5J1

Tgt Ion: 43 Resp: 3462

Ion Ratio Lower Upper

43 100

58 34.5 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010065.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV010065.D (-333) (-)

2500

2000

1500

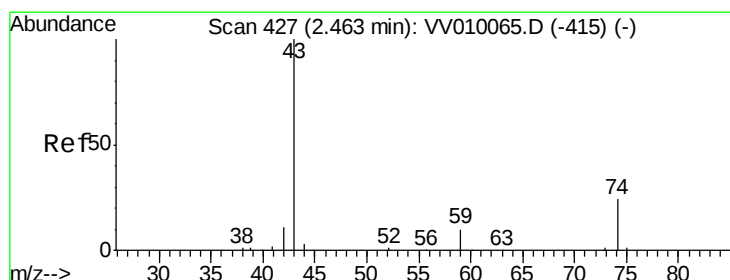
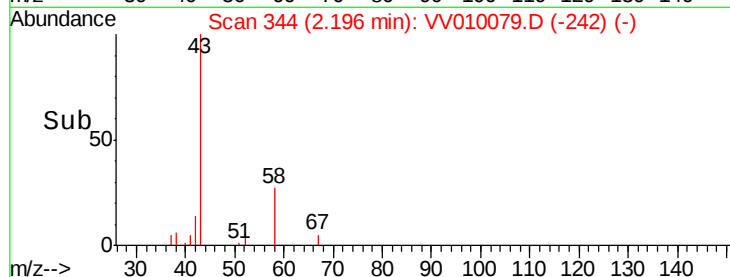
1000

500

0

2.15 2.20 2.25

Time-->



#15

Methyl Acetate

Concen: 3.080 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VV010079.D

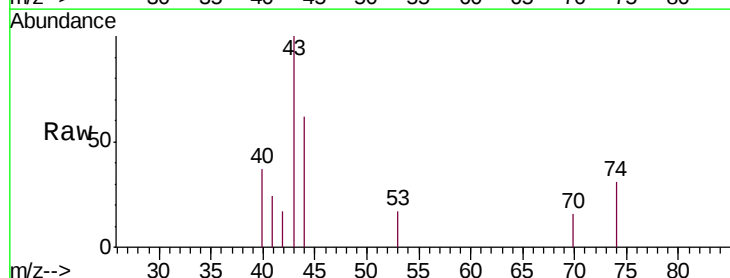
Acq: 03 Apr 2019 01:00

Tgt Ion: 43 Resp: 844

Ion Ratio Lower Upper

43 100

74 14.3 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VV010065.D (-415) (-)

Ion 74.00 (73.70 to 74.70): VV010065.D (-415) (-)

600

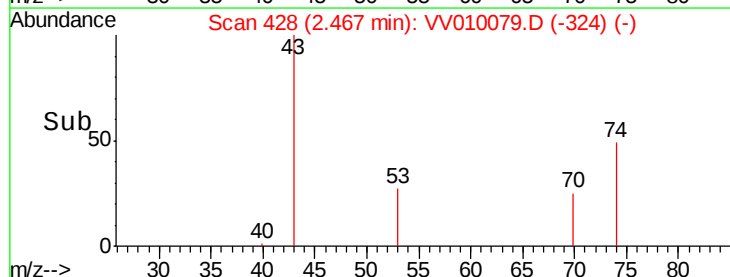
400

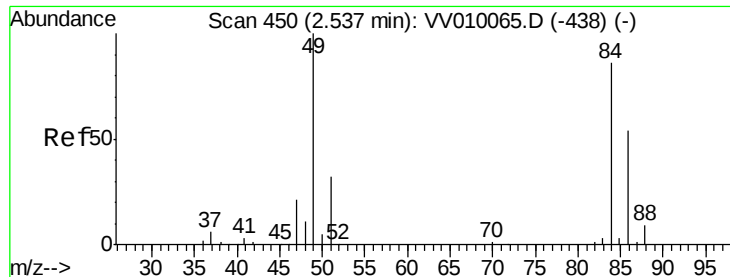
200

0

2.44 2.46 2.48

Time-->

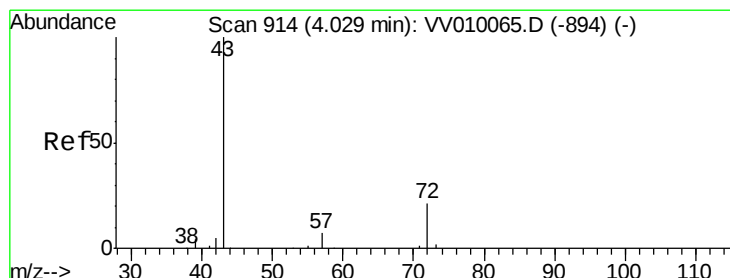
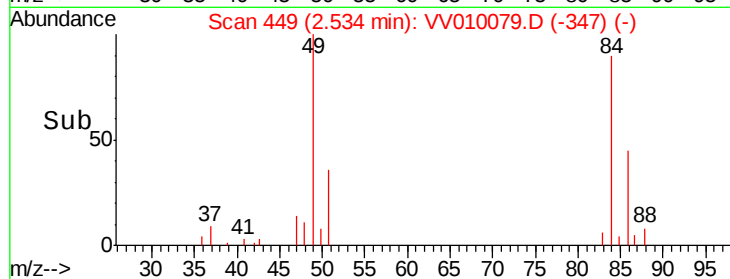
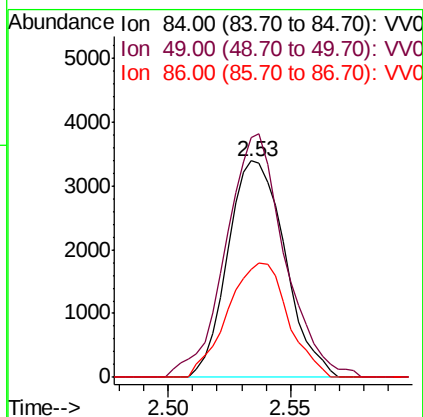
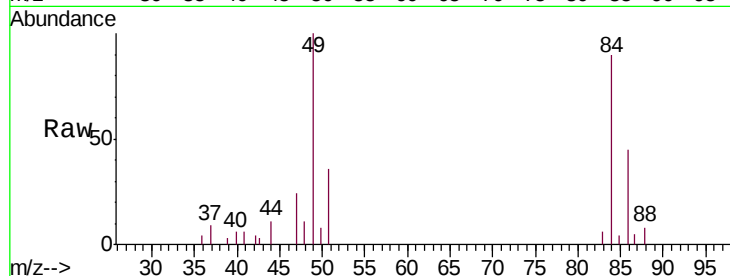




#16
Methylene chloride
Concen: 6.922 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010079.D
Acq: 03 Apr 2019 01:00

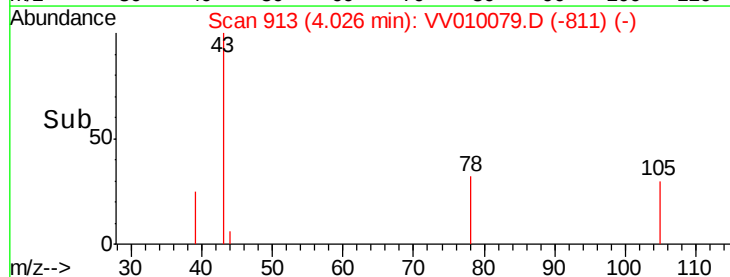
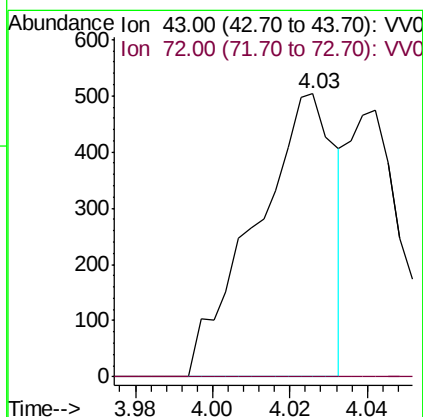
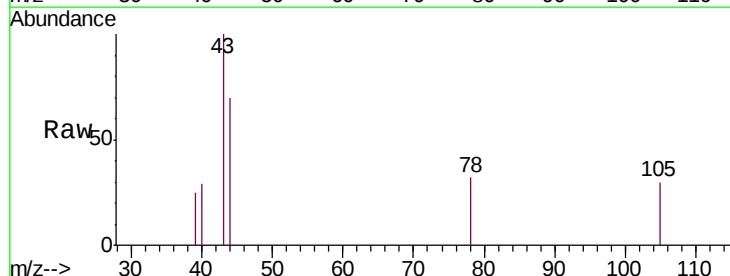
Instrument :
MSVOA_V
ClientSampled :
BF5J1

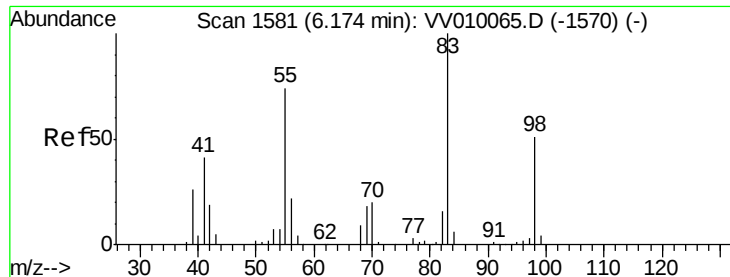
Tgt Ion: 84 Resp: 5530
Ion Ratio Lower Upper
84 100
49 110.8 84.3 156.5
86 55.0 45.4 84.2



#21
2-Butanone
Concen: 3.828 ug/L
RT: 4.03 min Scan# 913
Delta R.T. -0.00 min
Lab File: VV010079.D
Acq: 03 Apr 2019 01:00

Tgt Ion: 43 Resp: 718
Ion Ratio Lower Upper
43 100
72 0.0 12.8 38.4#

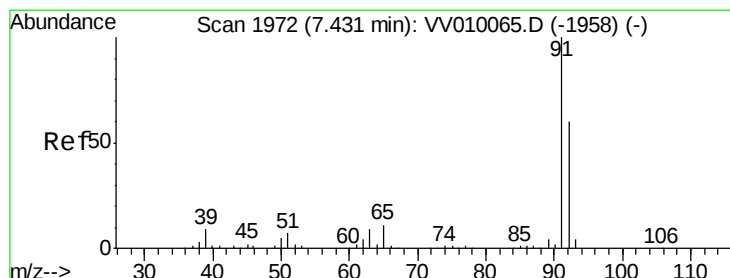
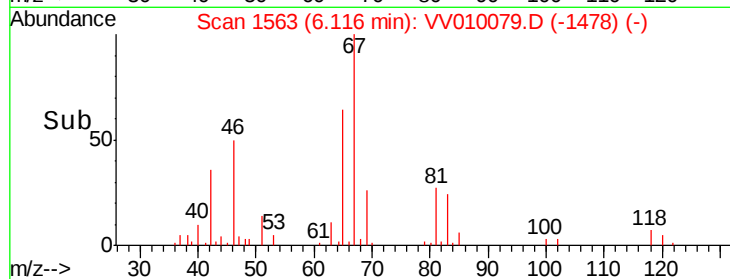
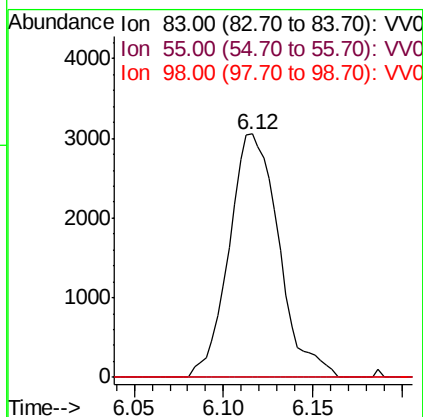
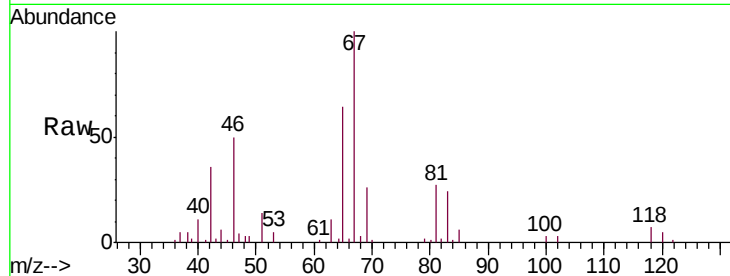




#36
Methylcyclohexane
Concen: 7.281 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV010079.D
Acq: 03 Apr 2019 01:00

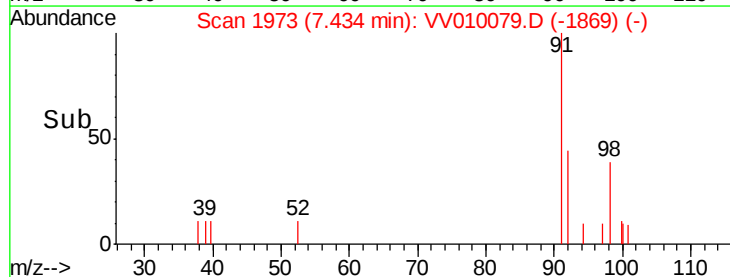
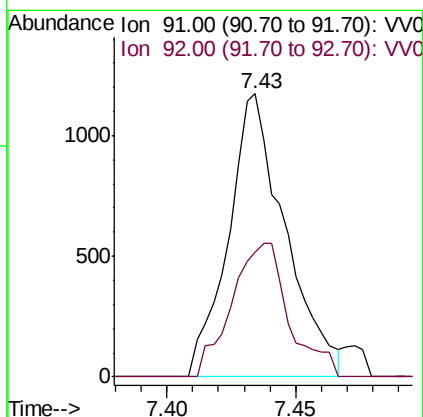
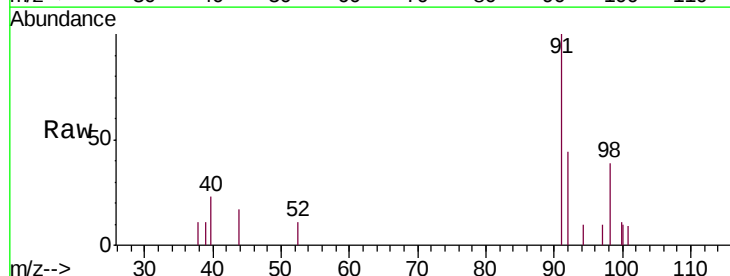
Instrument :
MSVOA_V
ClientSampled :
BF5J1

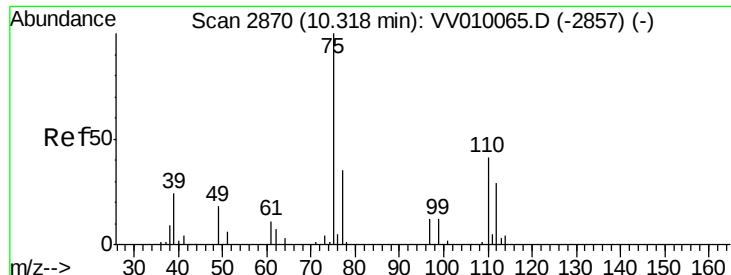
Tgt Ion: 83 Resp: 5955
Ion Ratio Lower Upper
83 100
55 0.0 56.3 84.5#
98 6.4 39.0 58.6#



#44
Toluene
Concen: 0.848 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV010079.D
Acq: 03 Apr 2019 01:00

Tgt Ion: 91 Resp: 1806
Ion Ratio Lower Upper
91 100
92 44.1 41.0 76.2





#59

1,2,3-Trichloropropane

Concen: 2.570 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010079.D

Acq: 03 Apr 2019 01:00

Instrument :

MSVOA_V

ClientSampleId :

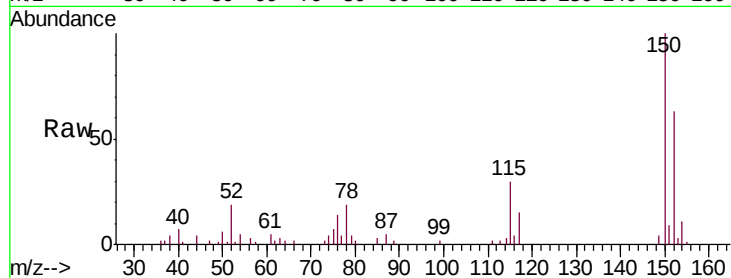
BF5J1

Tgt Ion: 75 Resp: 1006

Ion Ratio Lower Upper

75 100

77 29.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

600

400

200

0

11.30

Time-->

