

Data File : VV010636.D
Acq On : 02 May 2019 19:20
Operator : SY/MD
Sample : K2603-04
Misc : 5.07G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ56

Quant Time: May 03 02:25:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 02:22:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	18666	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	22065	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	7224	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	777	3.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	13.16%#
7) Chloroethane-d5	1.58	69	1676	10.13	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	40.52%
10) 1,1-Dichloroethene-d2	2.13	63	2402	5.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	23.20%#
20) 2-Butanone-d5	3.95	46	6550	91.10	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	182.20%#
24) Chloroform-d	4.40	84	11706	24.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.12%
26) 1,2-Dichloroethane-d4	5.08	65	9699	35.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	140.40%#
29) Benzene-d6	5.10	84	17384	15.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	60.80%
33) 1,2-Dichloropropane-d6	6.12	67	8437	24.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.36%
37) Toluene-d8	7.36	98	14171	12.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	51.60%
38) trans-1,3-Dichloropropene-	7.67	79	2865	19.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.16%
39) 2-Hexanone-d5	8.13	63	3397	54.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.94%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	11196	35.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	141.88%#
61) 1,2-Dichlorobenzene-d4	11.68	152	6187	22.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.04%

Target Compounds

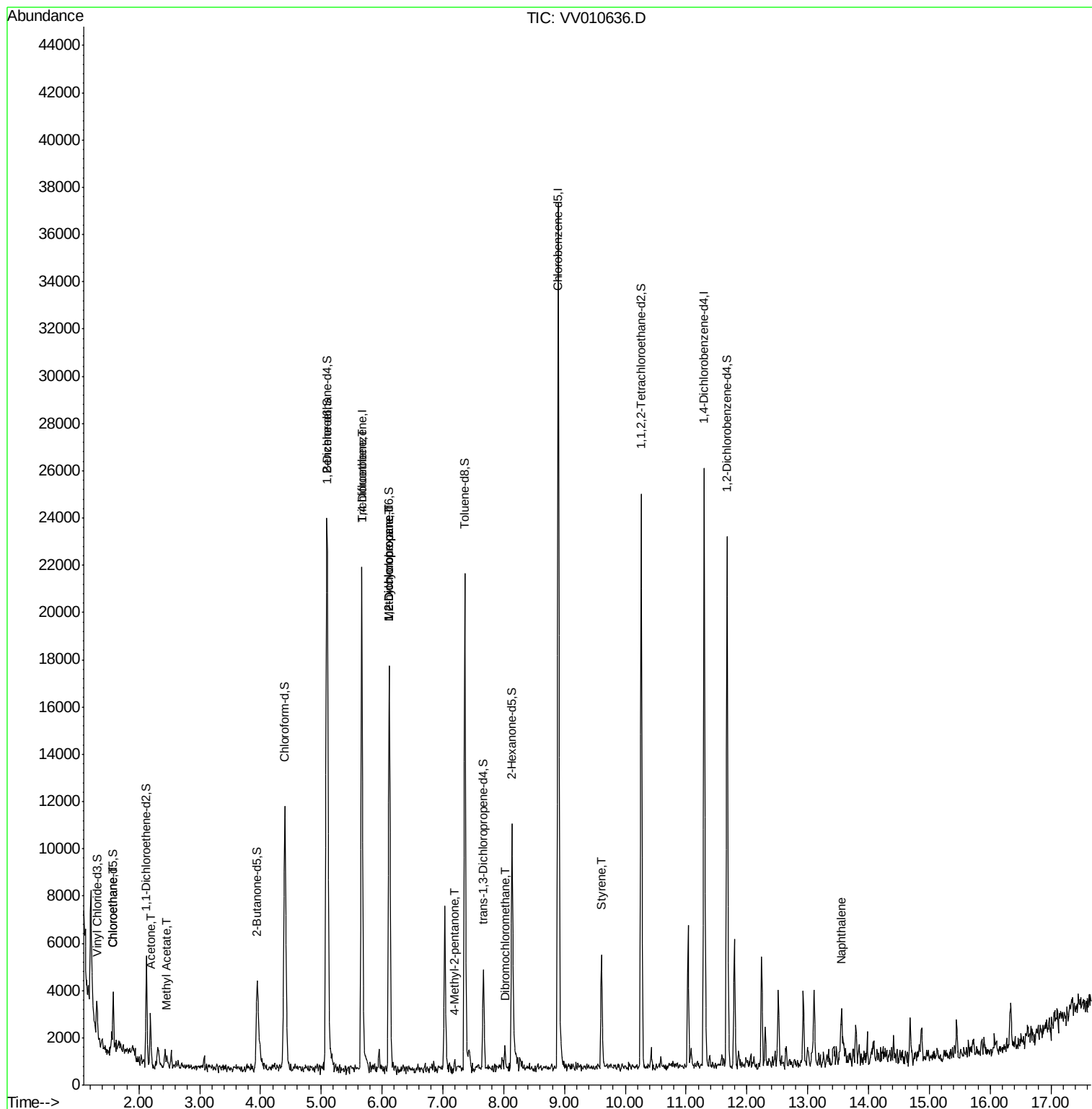
					Qvalue
8) Chloroethane	1.57	64	202	1.673 ug/L #	43
13) Acetone	2.19	43	2116	34.328 ug/L	94
15) Methyl Acetate	2.47	43	295	2.448 ug/L #	50
35) Trichloroethene	5.67	95	243	0.808 ug/L #	4
36) Methylcyclohexane	6.12	83	2132	4.960 ug/L #	21
40) 1,2-Dichloropropane	6.11	63	1033	3.765 ug/L #	87
43) 4-Methyl-2-pentanone	7.19	43	473	2.449 ug/L #	45
50) Dibromochloromethane	8.03	129	252	0.928 ug/L #	11
56) Styrene	9.61	104	2841	3.434 ug/L	84
69) Naphthalene	13.56	128	2340	5.068 ug/L #	95

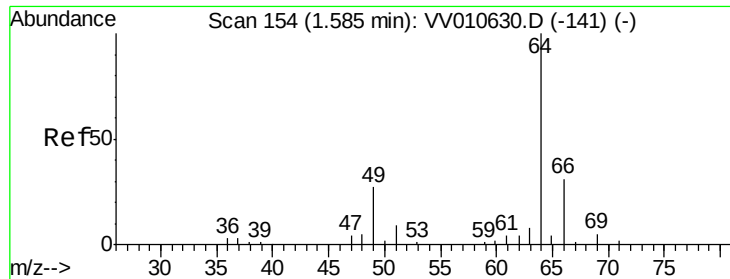
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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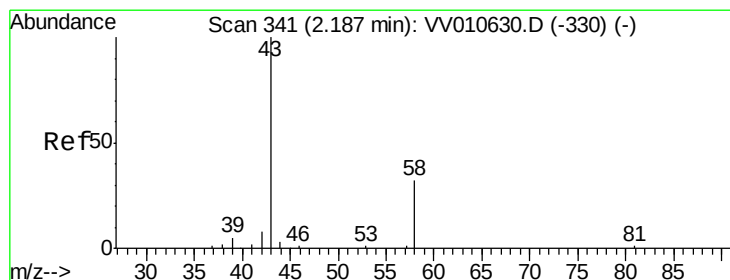
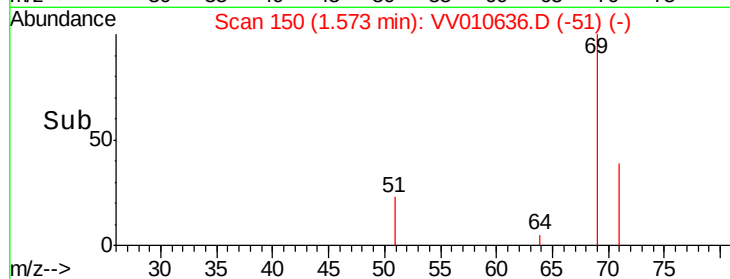
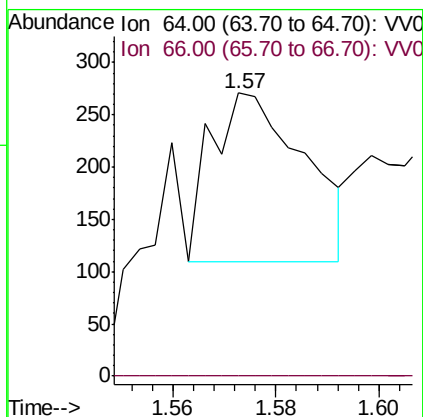
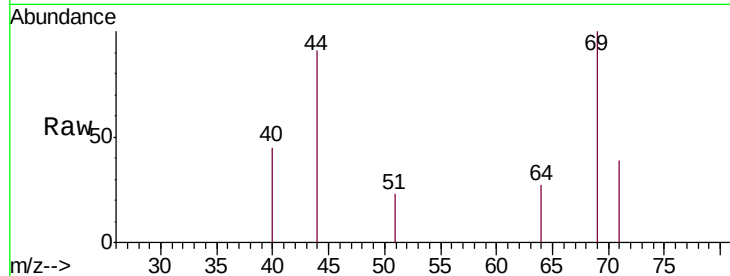




#8
 Chloroethane
 Concen: 1.673 ug/L
 RT: 1.57 min Scan# 150
 Delta R.T. -0.01 min
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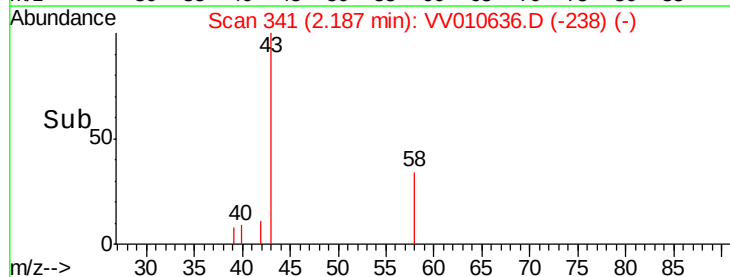
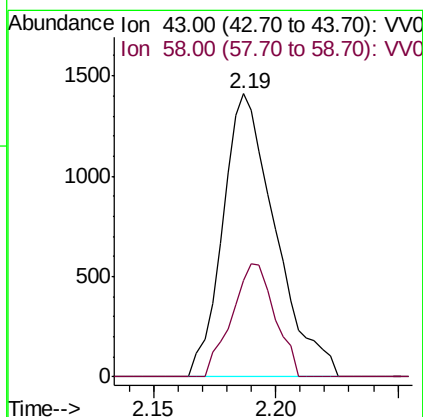
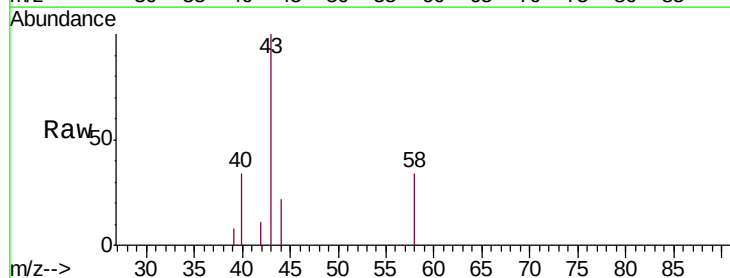
Instrument :
 MSVOA_V
 ClientSampled :
 GAJ56

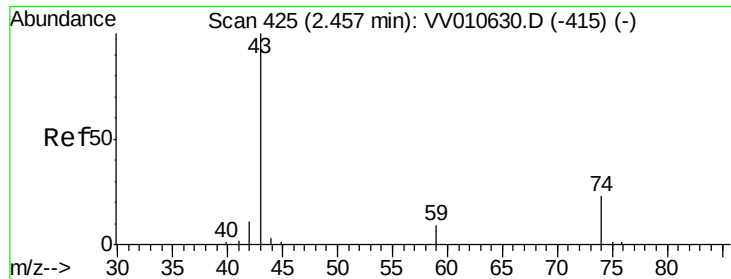
Tgt Ion: 64 Resp: 202
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.5 41.7#



#13
 Acetone
 Concen: 34.328 ug/L
 RT: 2.19 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VV010636.D
 Acq: 02 May 2019 19:20

Tgt Ion: 43 Resp: 2116
 Ion Ratio Lower Upper
 43 100
 58 32.6 0.0 58.2

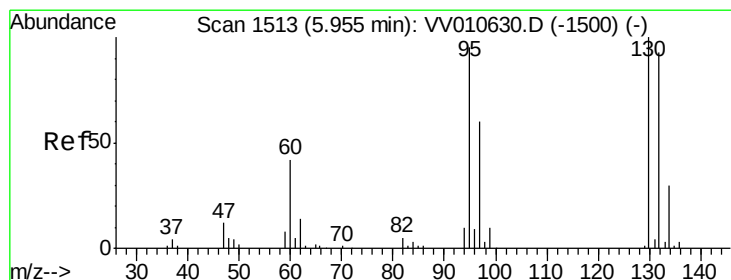
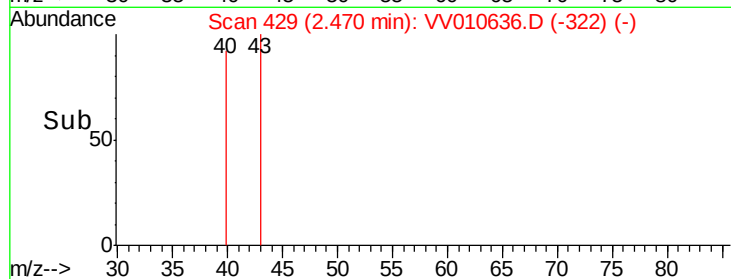
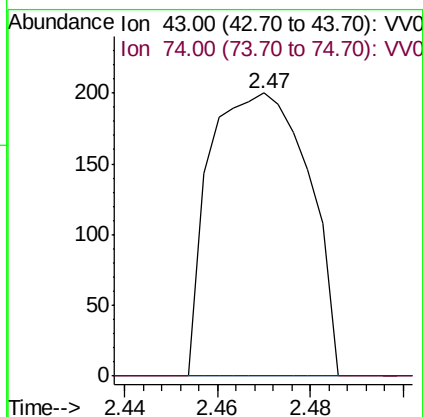
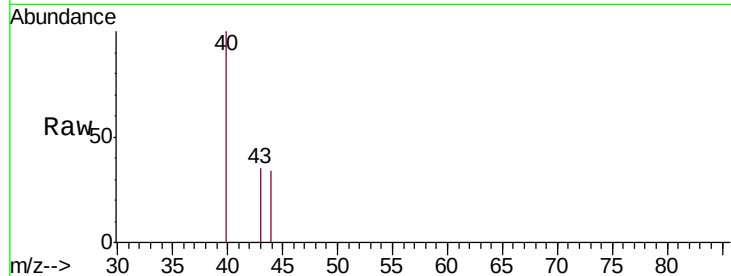




#15
Methyl Acetate
Concen: 2.448 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV010636.D
Acq: 02 May 2019 19:20

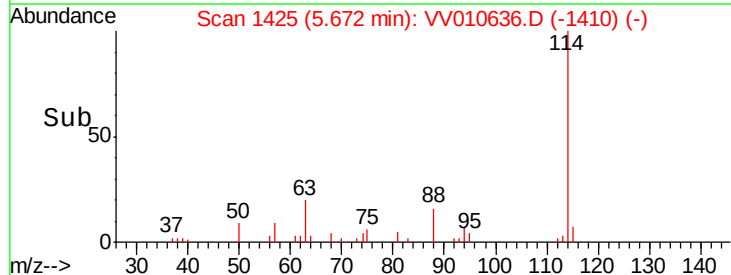
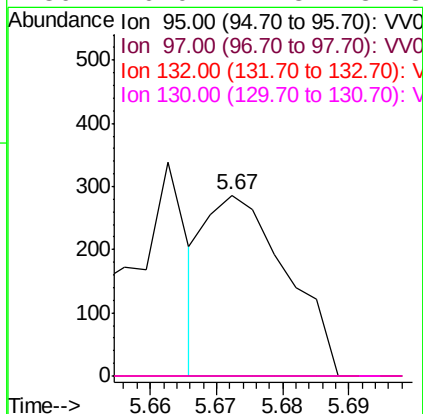
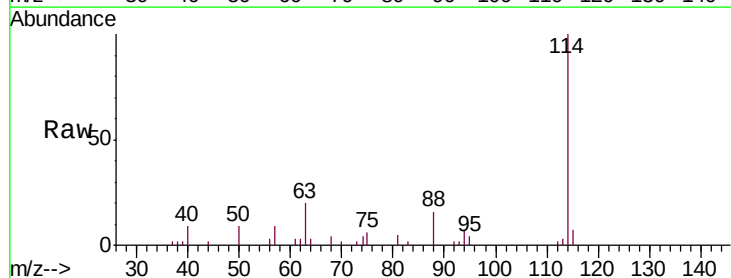
Instrument :
MSVOA_V
ClientSampleId :
GAJ56

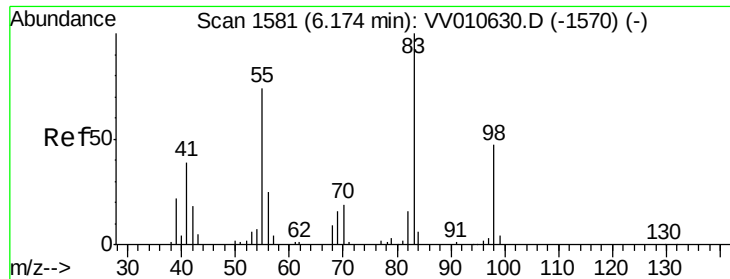
Tgt Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
74 0.0 20.0 30.0#



#35
Trichloroethene
Concen: 0.808 ug/L
RT: 5.67 min Scan# 1425
Delta R.T. -0.28 min
Lab File: VV010636.D
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Tgt Ion: 95 Resp: 243
Ion Ratio Lower Upper
95 100
97 0.0 45.0 83.6#
132 0.0 69.9 129.9#
130 0.0 71.3 132.3#

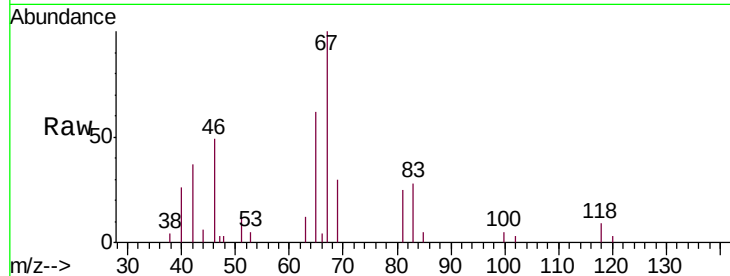




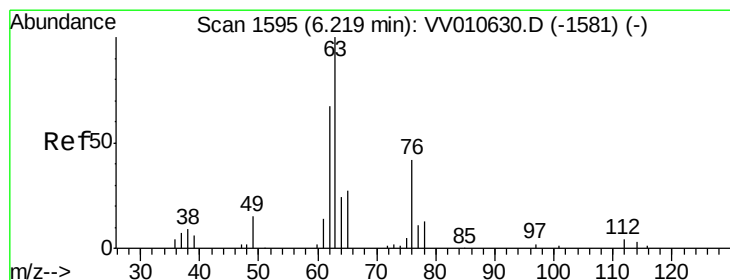
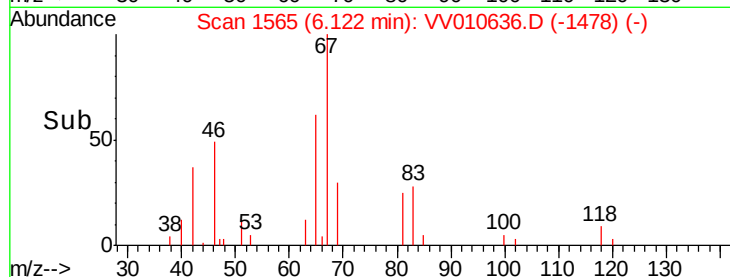
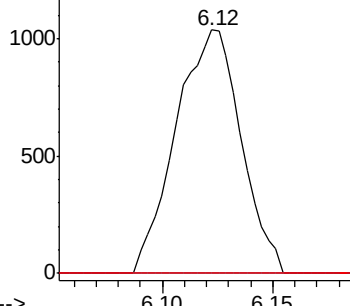
#36
Methylcyclohexane
Concen: 4.960 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV010636.D
Acq: 02 May 2019 19:20

Instrument :
MSVOA_V
ClientSampled :
GAJ56

Tgt Ion: 83 Resp: 2132
Ion Ratio Lower Upper
83 100
55 0.0 61.4 92.0#
98 5.6 37.4 56.2#

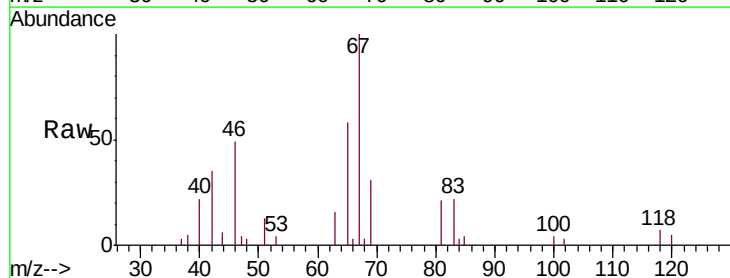


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

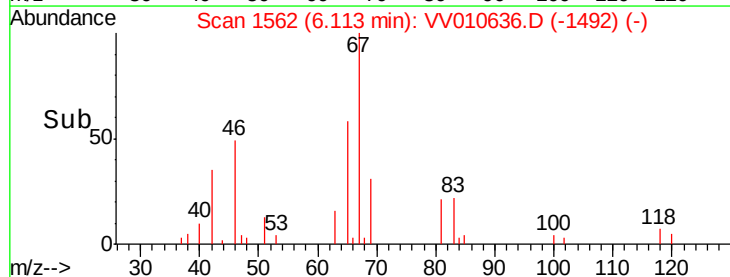
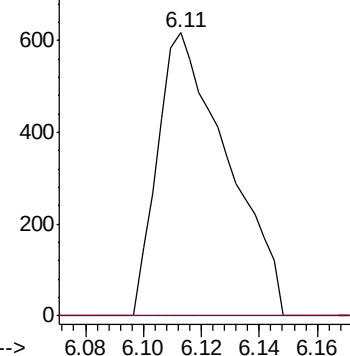


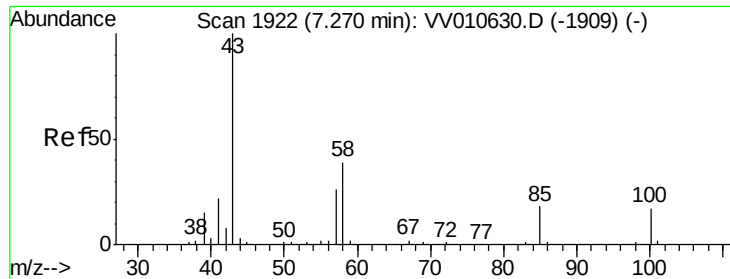
#40
1,2-Dichloropropane
Concen: 3.765 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV010636.D
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Tgt Ion: 63 Resp: 1033
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



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

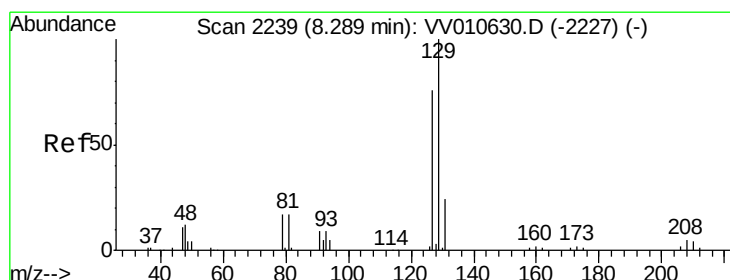
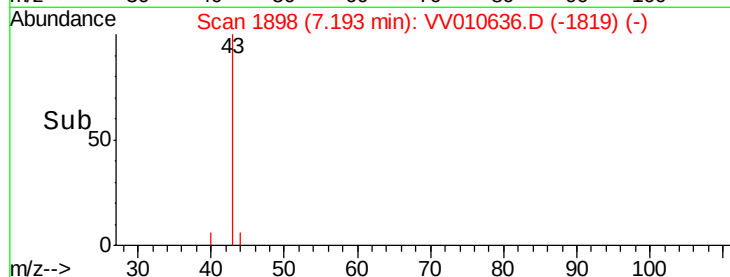
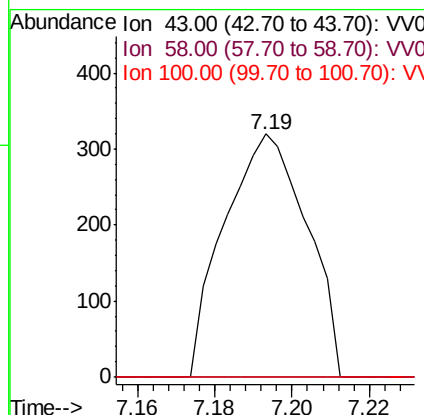
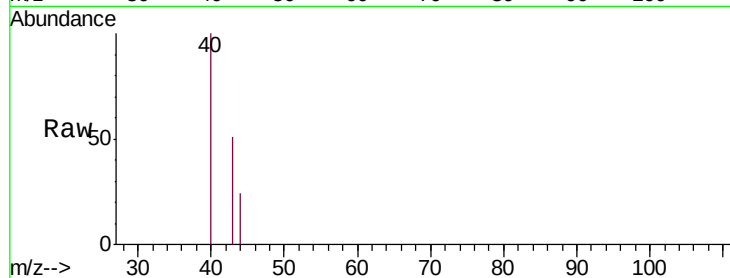




#43
4-Methyl-2-pentanone
Concen: 2.449 ug/L
RT: 7.19 min Scan# 1898
Delta R.T. -0.08 min
Lab File: VV010636.D
Acq: 02 May 2019 19:20

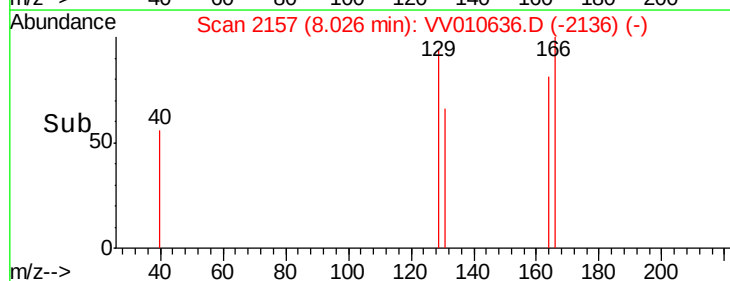
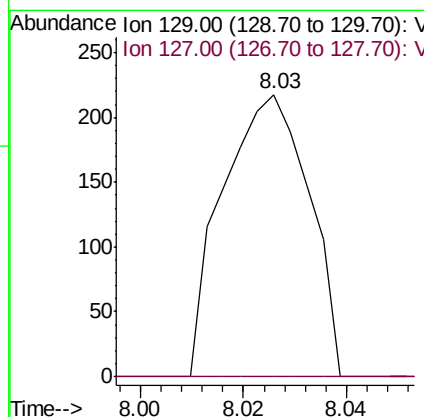
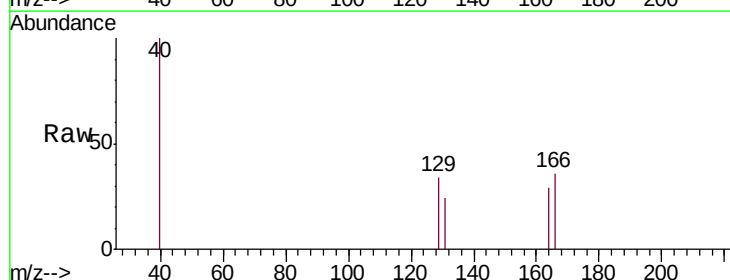
Instrument :
MSVOA_V
ClientSampleId :
GAJ56

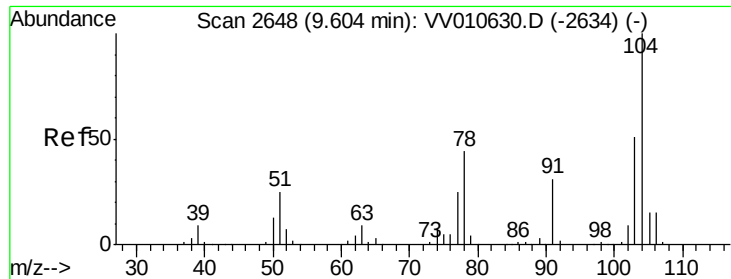
Tgt Ion: 43 Resp: 473
Ion Ratio Lower Upper
43 100
58 0.0 29.6 44.4#
100 0.0 11.2 16.8#



#50
Dibromochloromethane
Concen: 0.928 ug/L
RT: 8.03 min Scan# 2157
Delta R.T. -0.26 min
Lab File: VV010636.D
Acq: 02 May 2019 19:20

Tgt Ion: 129 Resp: 252
Ion Ratio Lower Upper
129 100
127 0.0 53.9 100.1#





#56

Styrene

Concen: 3.434 ug/L

RT: 9.61 min Scan# 2650

Delta R.T. 0.01 min

Lab File: VV010636.D

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Instrument :

MSVOA_V

ClientSampled :

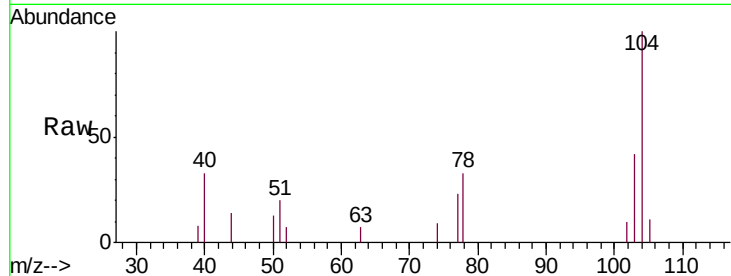
GAJ56

Tgt Ion:104 Resp: 2841

Ion Ratio Lower Upper

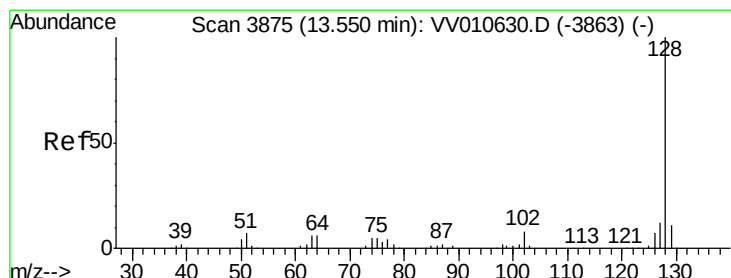
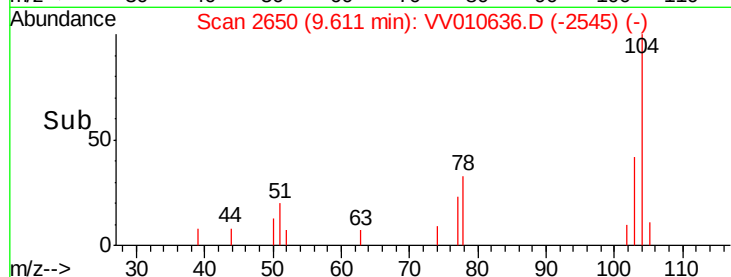
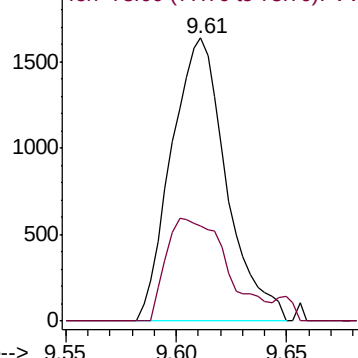
104 100

78 33.5 30.4 56.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#69

Naphthalene

Concen: 5.068 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.01 min

Lab File: VV010636.D

Acq: 02 May 2019 19:20

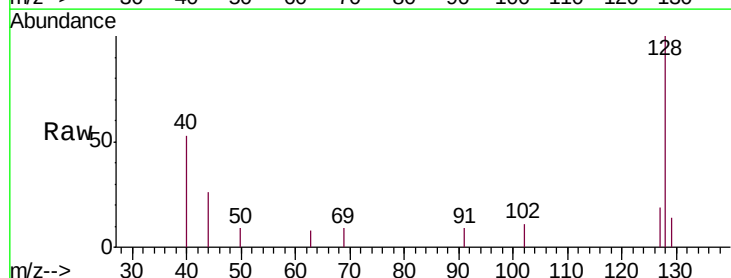
Tgt Ion:128 Resp: 2340

Ion Ratio Lower Upper

128 100

129 9.9 8.6 13.0

127 10.0 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

