

Data File : VV010638.D
Acq On : 02 May 2019 21:11
Operator : SY/MD
Sample : K2603-06
Misc : 5.09G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ58

Quant Time: May 03 02:26:01 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	91330	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	88197	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	26919	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9972	8.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	34.48%
7) Chloroethane-d5	1.57	69	11773	14.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.20%
10) 1,1-Dichloroethene-d2	2.13	63	18474	9.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	36.44%#
20) 2-Butanone-d5	3.94	46	24506	69.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	139.32%#
24) Chloroform-d	4.40	84	59553	25.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.96%
26) 1,2-Dichloroethane-d4	5.08	65	40363	29.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	119.44%
29) Benzene-d6	5.10	84	97397	21.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.24%
33) 1,2-Dichloropropane-d6	6.12	67	40614	29.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.04%
37) Toluene-d8	7.36	98	77799	17.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	70.84%
38) trans-1,3-Dichloropropene-	7.66	79	12336	21.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.28%
39) 2-Hexanone-d5	8.13	63	17393	69.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	139.54%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	38616	30.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	122.40%#
61) 1,2-Dichlorobenzene-d4	11.67	152	21859	21.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.40%

Target Compounds

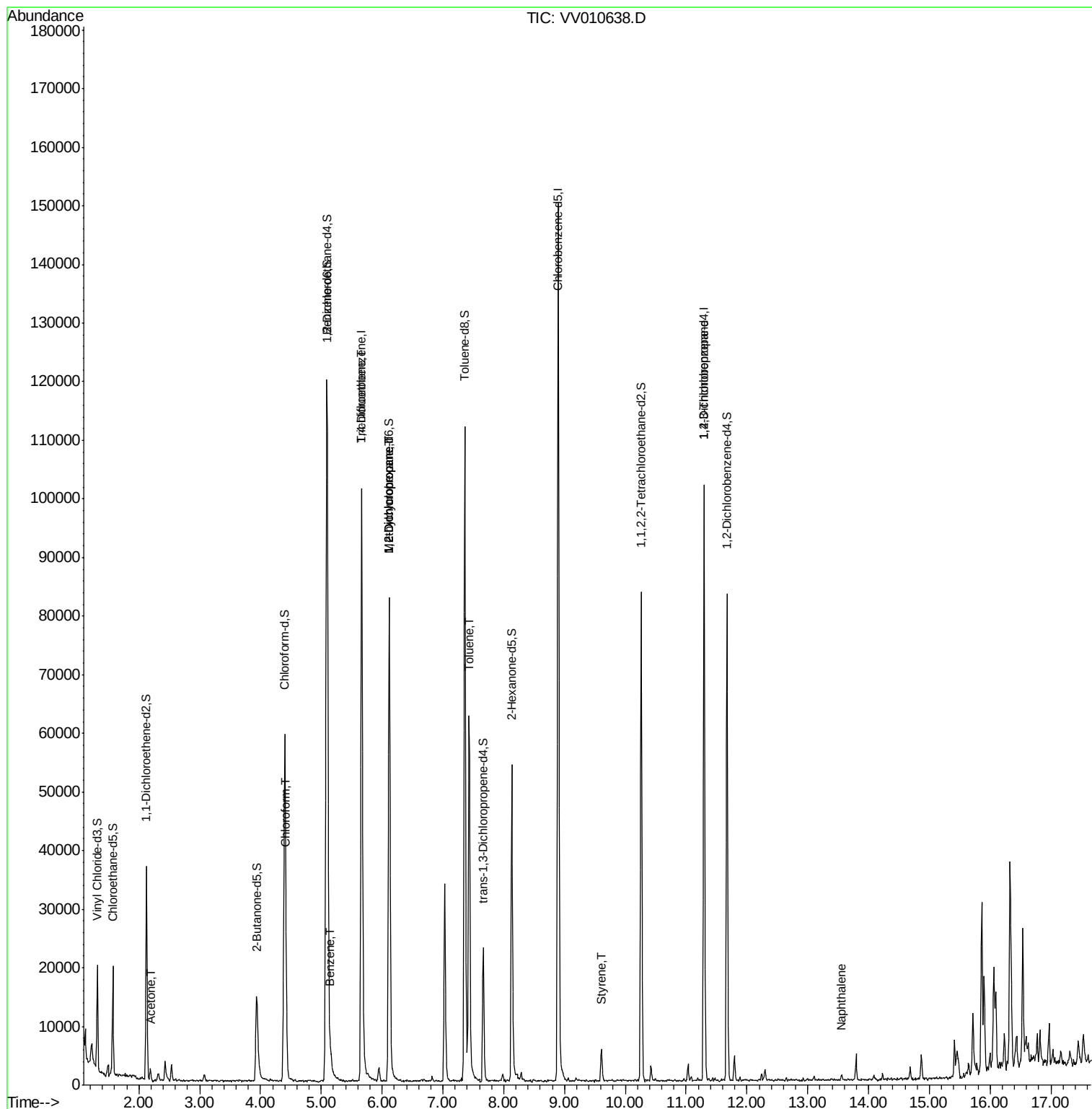
						Qvalue
13) Acetone	2.19	43	1830	6.068	ug/L	98
25) Chloroform	4.43	83	2030	0.901	ug/L #	64
34) Benzene	5.15	78	2977	0.706	ug/L	100
35) Trichloroethene	5.67	95	2571	2.138	ug/L #	4
36) Methylcyclohexane	6.12	83	9430	5.488	ug/L #	22
40) 1,2-Dichloropropane	6.12	63	4481	4.086	ug/L #	87
44) Toluene	7.43	91	46645	10.024	ug/L	98
56) Styrene	9.61	104	3112	0.941	ug/L	89
59) 1,2,3-Trichloropropane	11.30	75	3264	3.798	ug/L #	81
69) Naphthalene	13.55	128	1117	0.649	ug/L #	78

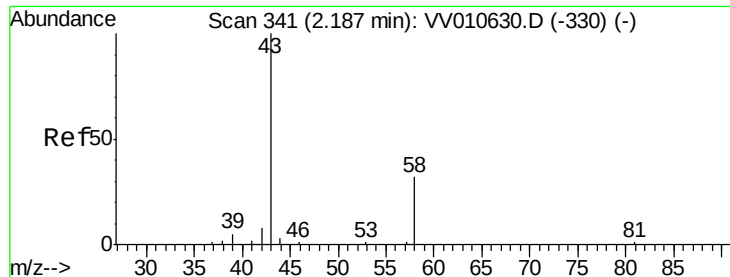
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 6.068 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010638.D

Acq: 02 May 2019 21:11

Instrument :

MSVOA_V

ClientSampled :

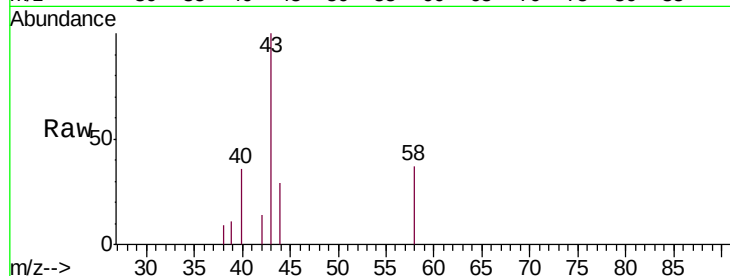
GAJ58

Tgt Ion: 43 Resp: 1830

Ion Ratio Lower Upper

43 100

58 27.9 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

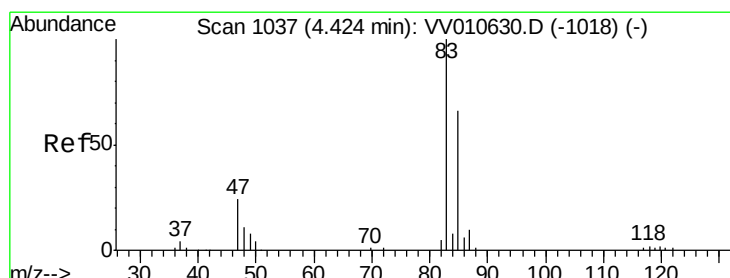
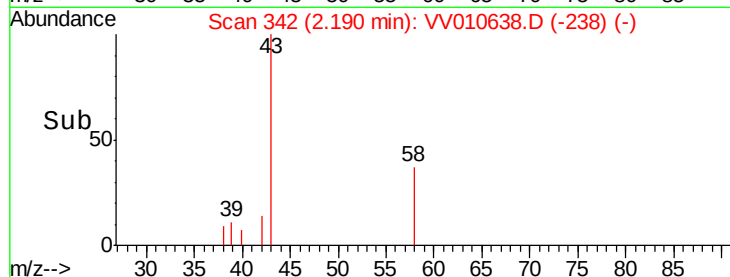
2.19

1000

500

0

Time-->



#25

Chloroform

Concen: 0.901 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV010638.D

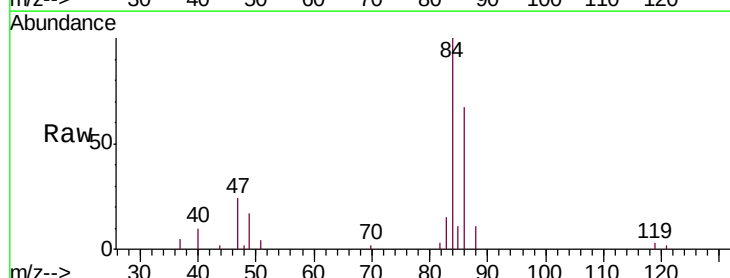
Acq: 02 May 2019 21:11

Tgt Ion: 83 Resp: 2030

Ion Ratio Lower Upper

83 100

85 95.1 46.3 86.1#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.43

1000

800

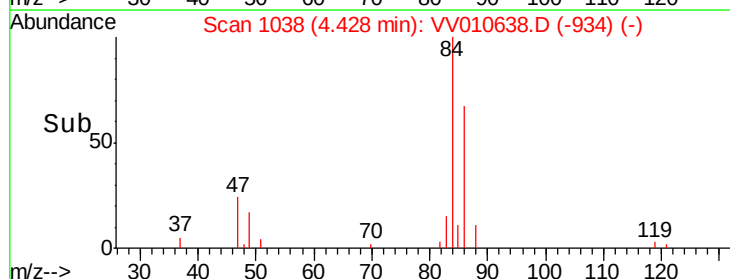
600

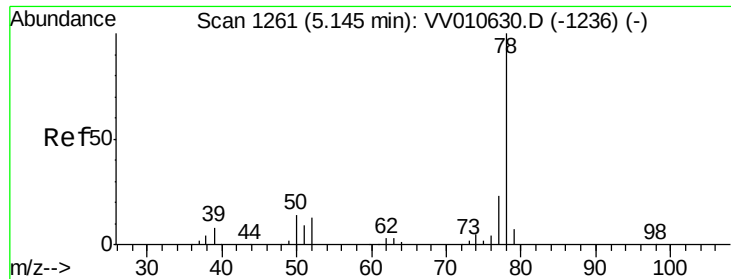
400

200

0

Time-->





#34

Benzene

Concen: 0.706 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV010638.D

Acq: 02 May 2019 21:11

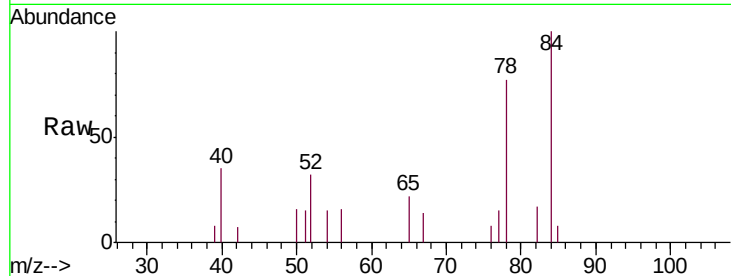
Instrument :

MSVOA_V

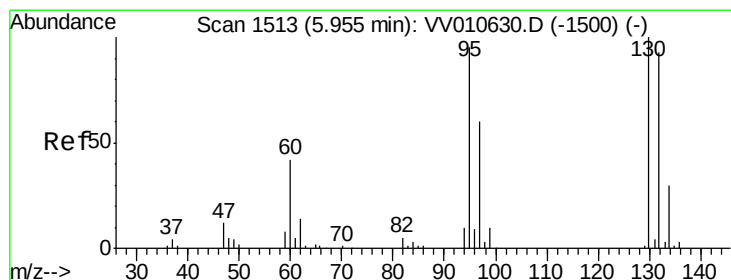
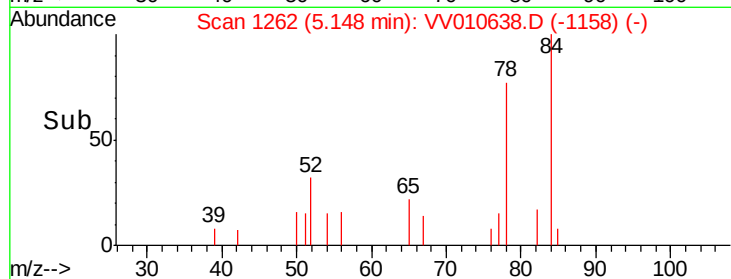
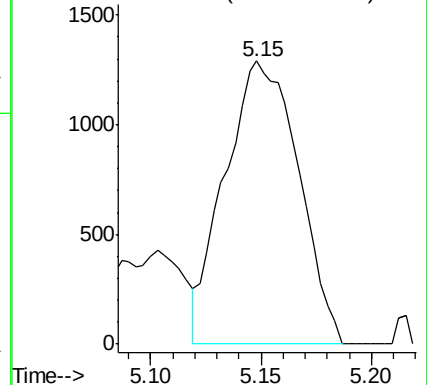
ClientSampled :

GAJ58

Tgt Ion: 78 Resp: 2977



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 2.138 ug/L

RT: 5.67 min Scan# 1423

Delta R.T. -0.29 min

Lab File: VV010638.D

Acq: 02 May 2019 21:11

Tgt Ion: 95 Resp: 2571

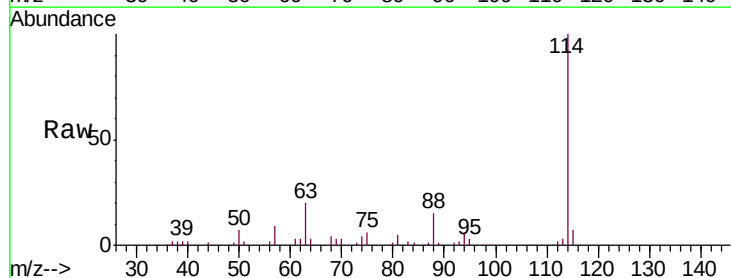
Ion	Ratio	Lower	Upper
95	100		
97	0.0	45.0	83.6#
132	0.0	69.9	129.9#
130	0.0	71.3	132.3#

95 100

97 0.0 45.0 83.6#

132 0.0 69.9 129.9#

130 0.0 71.3 132.3#

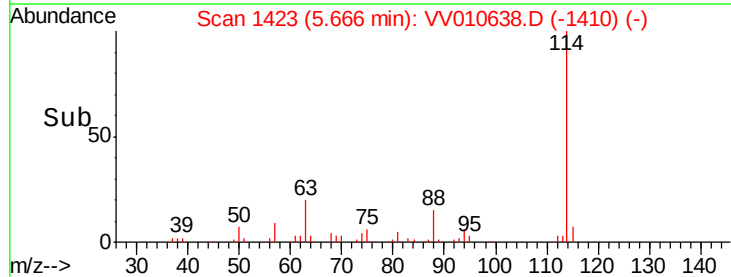
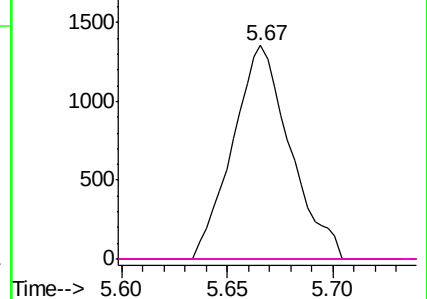


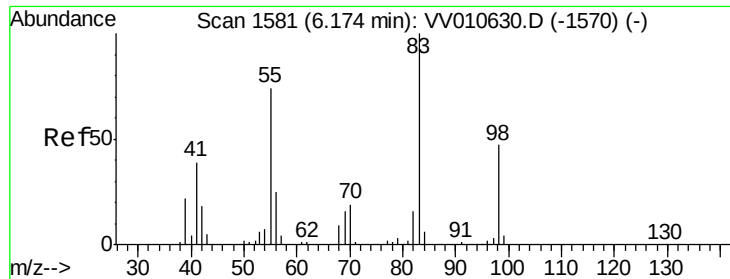
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

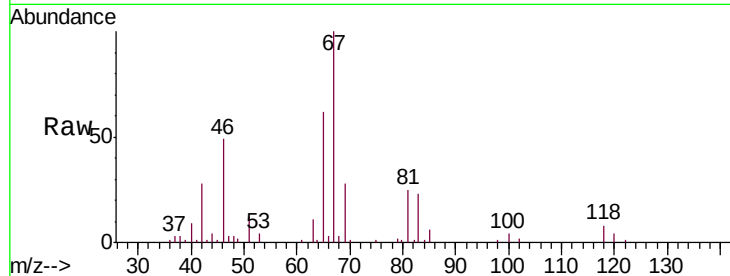




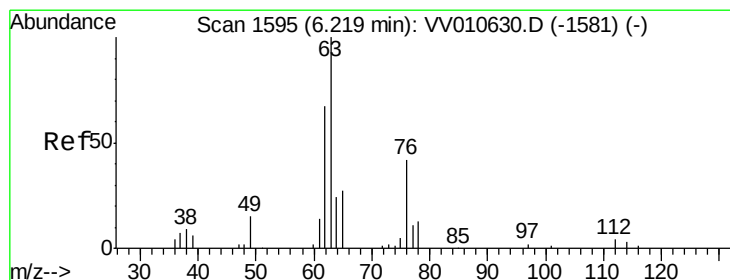
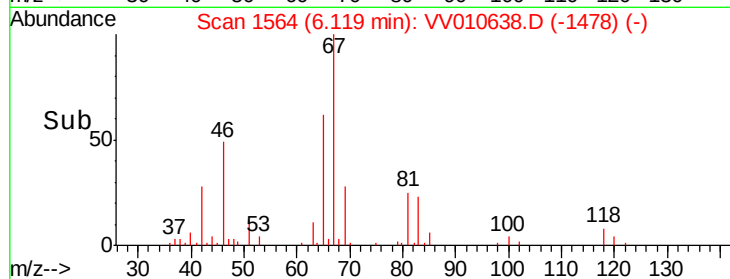
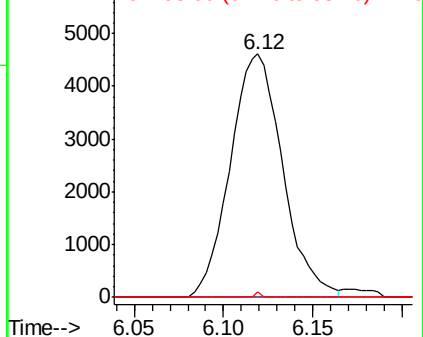
#36
Methylcyclohexane
Concen: 5.488 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV010638.D
Acq: 02 May 2019 21:11

Instrument :
MSVOA_V
ClientSampleId :
GAJ58

Tgt Ion: 83 Resp: 9430
Ion Ratio Lower Upper
83 100
55 0.0 61.4 92.0#
98 6.3 37.4 56.2#

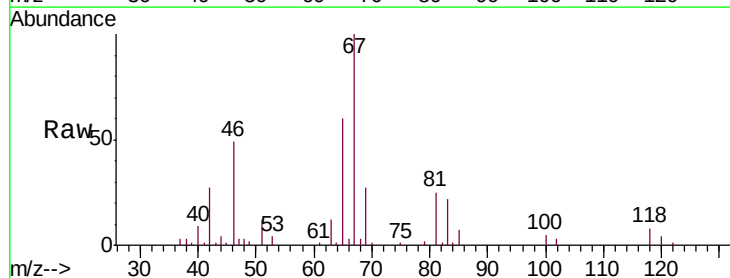


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

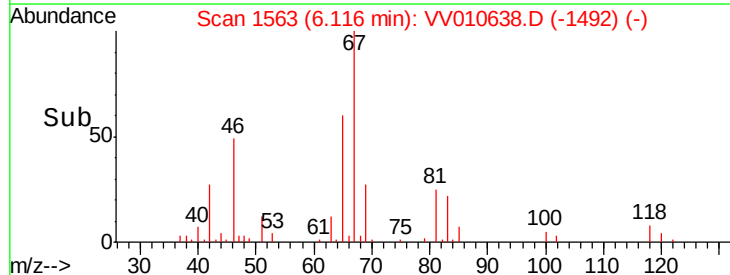
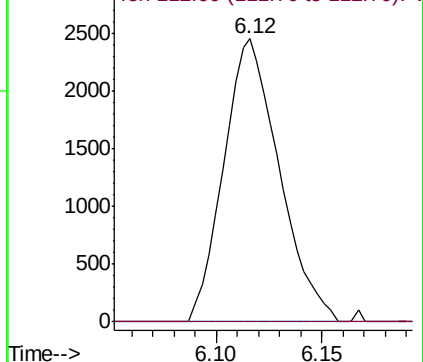


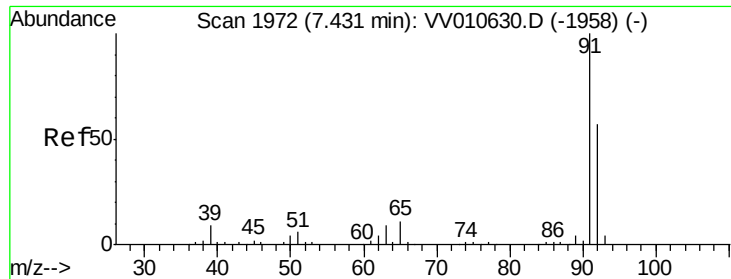
#40
1,2-Dichloropropane
Concen: 4.086 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV010638.D
Acq: 02 May 2019 21:11

Tgt Ion: 63 Resp: 4481
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





#44

Toluene

Concen: 10.024 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010638.D

Acq: 02 May 2019 21:11

Instrument :

MSVOA_V

ClientSampleId :

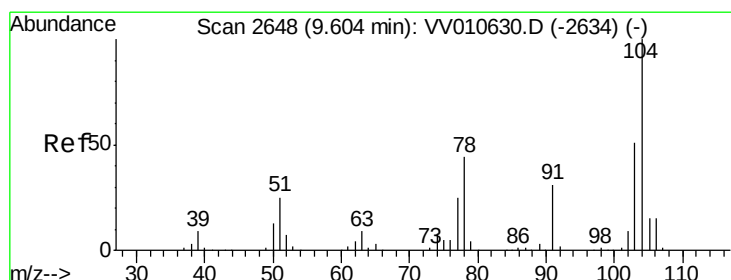
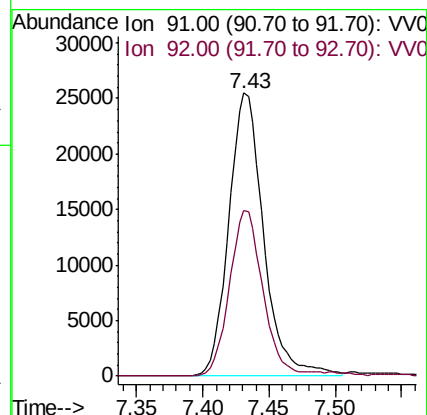
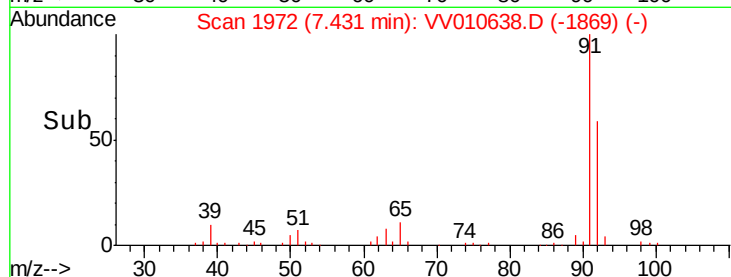
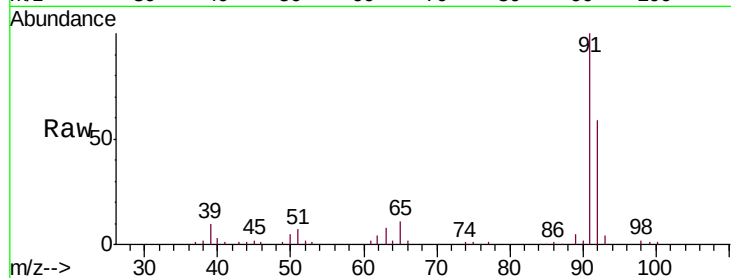
GAJ58

Tgt Ion: 91 Resp: 46645

Ion Ratio Lower Upper

91 100

92 58.6 40.1 74.5



#56

Styrene

Concen: 0.941 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV010638.D

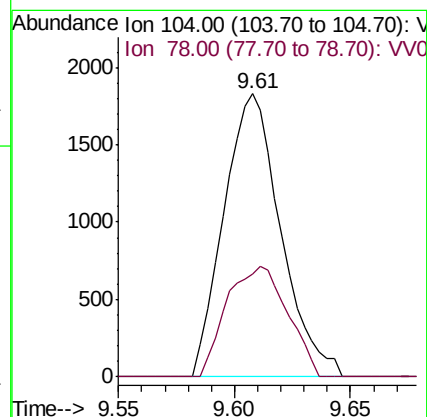
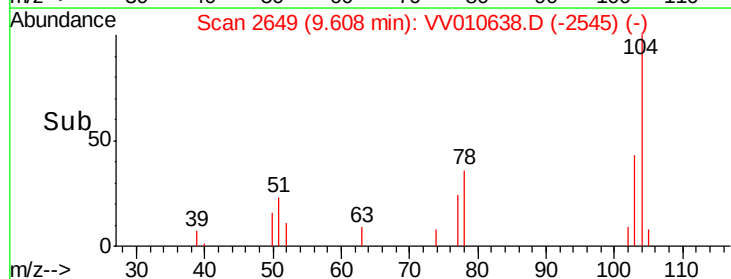
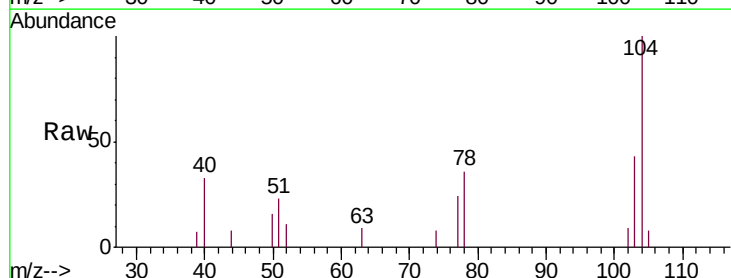
Acq: 02 May 2019 21:11

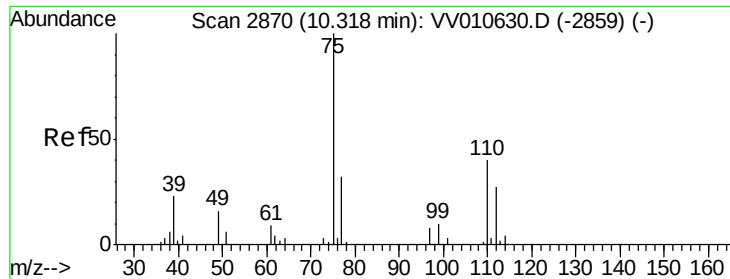
Tgt Ion: 104 Resp: 3112

Ion Ratio Lower Upper

104 100

78 36.4 30.4 56.5

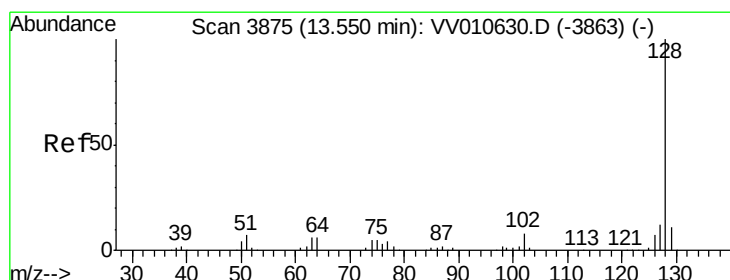
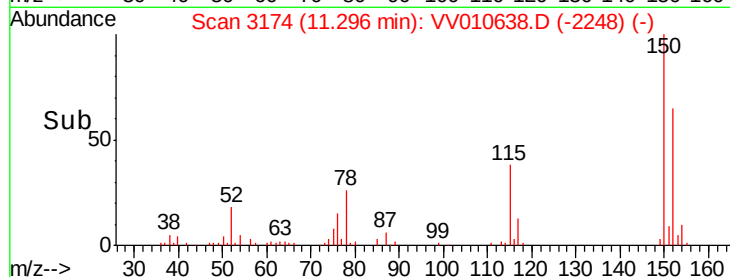
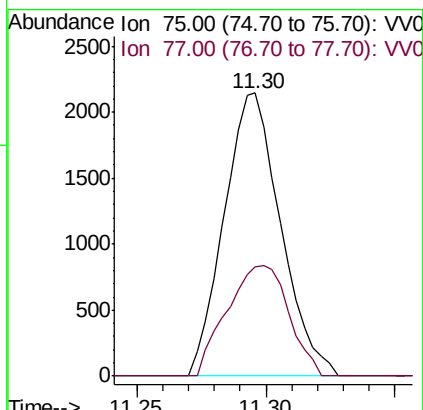
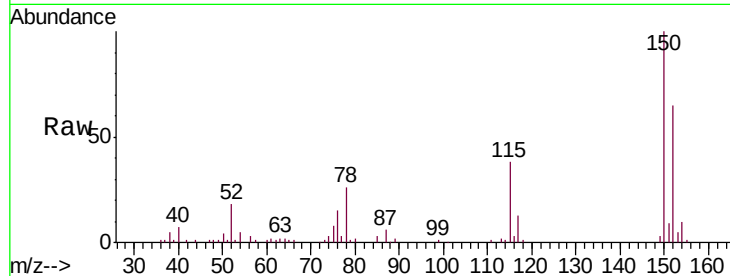




#59
 1,2,3-Trichloropropane
 Concen: 3.798 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV010638.D
 Acq: 02 May 2019 21:11

Instrument :
 MSVOA_V
 ClientSampleID :
 GAJ58

Tgt Ion: 75 Resp: 3264
 Ion Ratio Lower Upper
 75 100
 77 42.6 25.6 38.4#



#69
 Naphthalene
 Concen: 0.649 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV010638.D
 Acq: 02 May 2019 21:11

Tgt Ion: 128 Resp: 1117
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.6 13.0#
 127 6.7 10.6 15.8#

