

Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJA2RE

Quant Time: May 10 02:09:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Thu May 09 04:43:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	61341	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	49849	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	15690	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	21069	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.44%
7) Chloroethane-d5	1.58	69	19843	25.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.20%
10) 1,1-Dichloroethene-d2	2.12	63	28489	13.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.12%
20) 2-Butanone-d5	3.93	46	8183	28.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	57.24%
24) Chloroform-d	4.40	84	36917	22.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.28%
26) 1,2-Dichloroethane-d4	5.08	65	21916	20.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.92%
29) Benzene-d6	5.09	84	77571	29.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.24%
33) 1,2-Dichloropropane-d6	6.11	67	23812	28.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.92%
37) Toluene-d8	7.36	98	63198	25.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.60%
38) trans-1,3-Dichloropropene-	7.66	79	7221	18.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.80%
39) 2-Hexanone-d5	8.13	63	5240	29.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.90%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	14130	17.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	71.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	14541	23.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.72%

Target Compounds

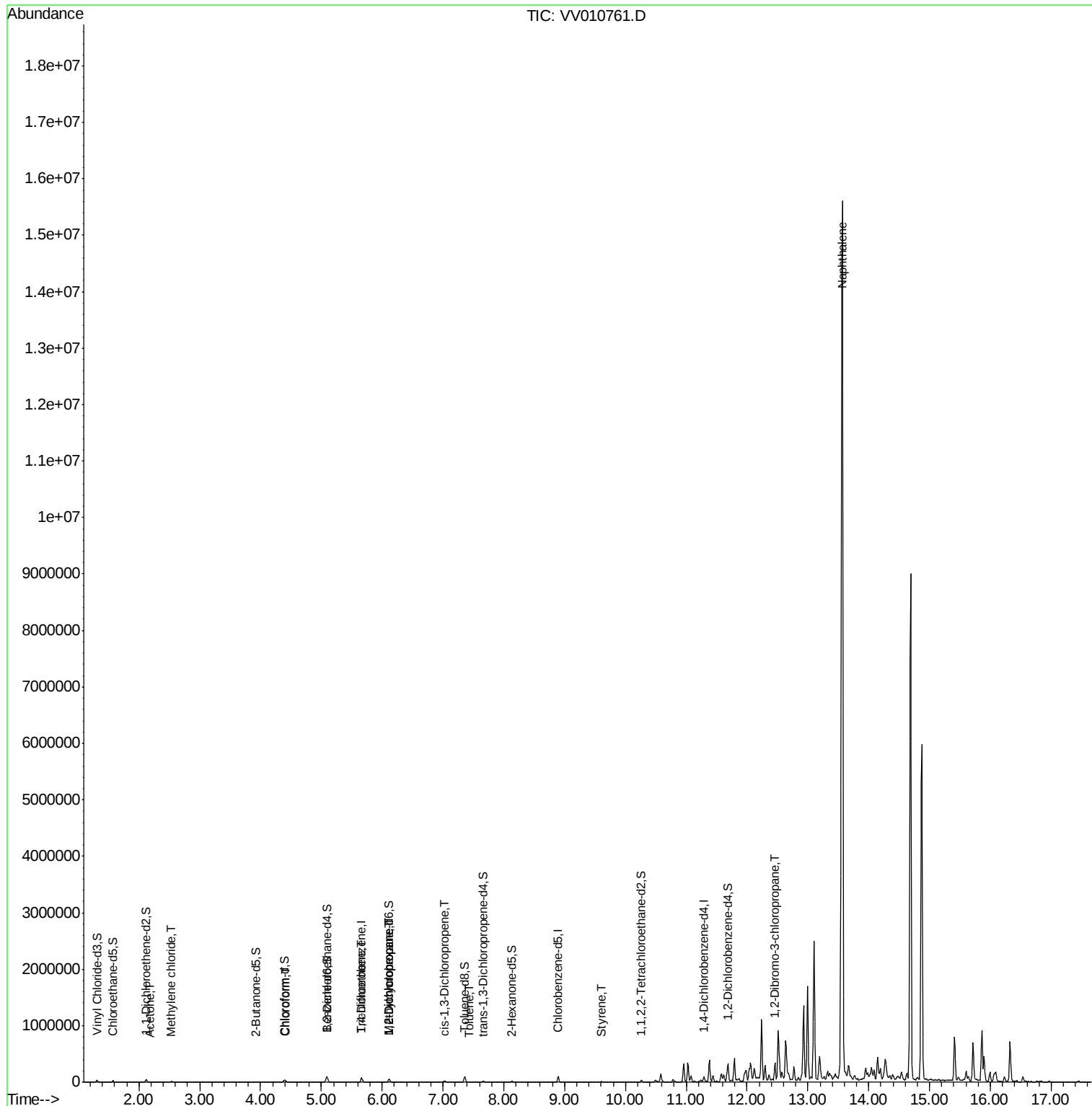
					Qvalue
13) Acetone	2.19	43	1016	2.295 ug/L	79
16) Methylene chloride	2.53	84	4848	5.111 ug/L	98
25) Chloroform	4.42	83	3131	1.687 ug/L #	72
35) Trichloroethene	5.66	95	1945	2.373 ug/L #	7
36) Methylcyclohexane	6.11	83	5649	4.300 ug/L #	17
40) 1,2-Dichloropropane	6.12	63	2909	3.737 ug/L #	87
42) cis-1,3-Dichloropropene	7.03	75	694	0.564 ug/L	87
44) Toluene	7.43	91	2737	0.824 ug/L	94
56) Styrene	9.60	104	4818	1.995 ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.46	75	1634	16.600 ug/L #	7
69) Naphthalene	13.57	128	12986183	9966.546 ug/L	97

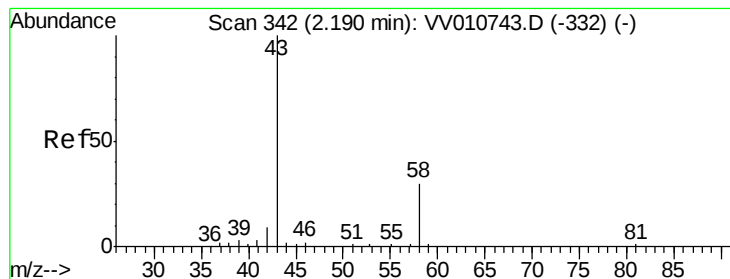
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.295 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

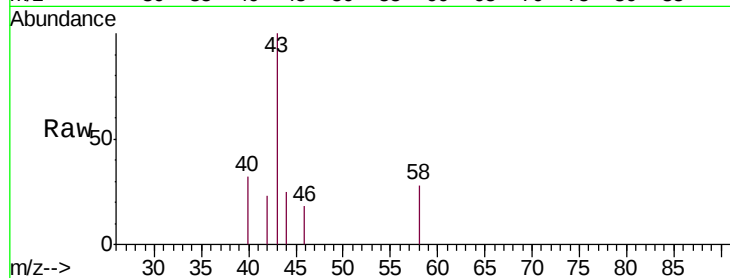
GAJA2RE

Tgt Ion: 43 Resp: 1016

Ion Ratio Lower Upper

43 100

58 20.3 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV010743.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV010743.D (-332) (-)

800

600

400

200

0

2.16 2.18 2.20 2.22

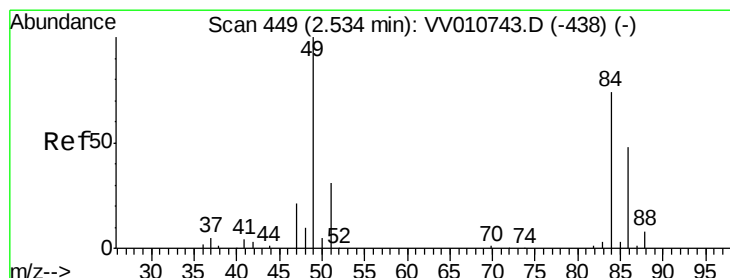
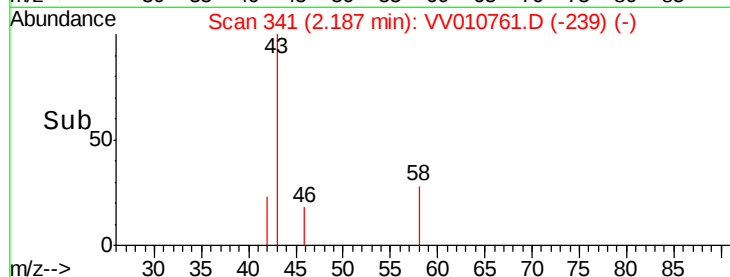
2.19

2.18

2.20

2.22

Time-->



#16

Methylene chloride

Concen: 5.111 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV010761.D

Acq: 09 May 2019 09:57

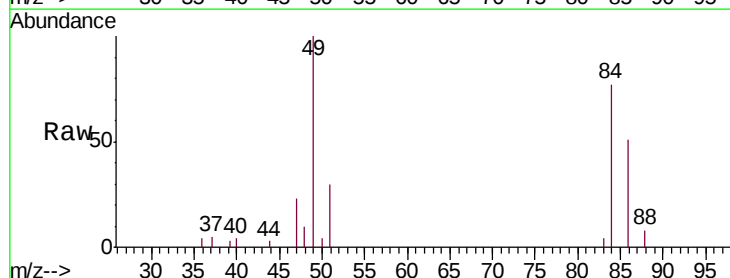
Tgt Ion: 84 Resp: 4848

Ion Ratio Lower Upper

84 100

49 130.2 92.9 172.5

86 66.8 46.5 86.5



Abundance Ion 84.00 (83.70 to 84.70): VV010743.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV010743.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV010743.D (-438) (-)

5000

4000

3000

2000

1000

0

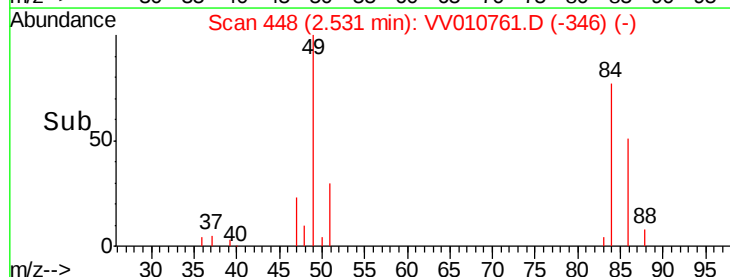
2.50 2.53 2.55

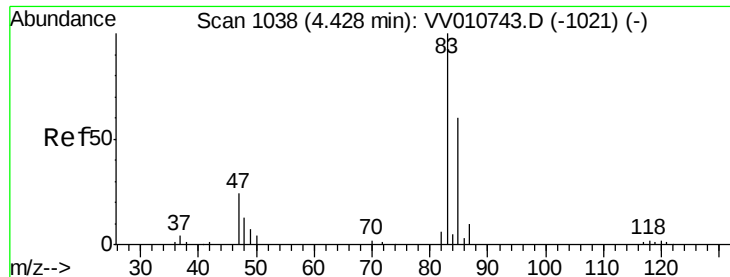
2.53

2.50

2.55

Time-->





#25

Chloroform

Concen: 1.687 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VV010761.D

Acq: 09 May 2019 09:57

Instrument :

MSVOA_V

ClientSampled :

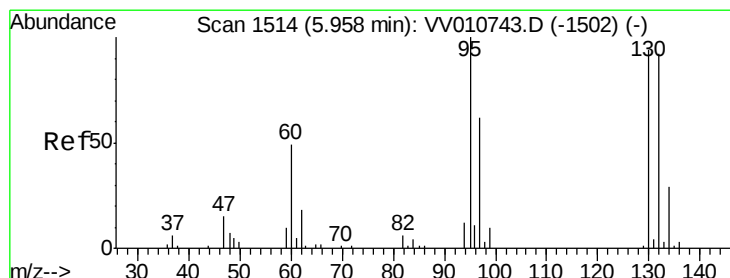
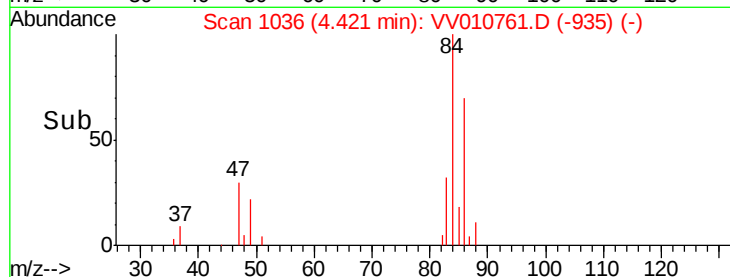
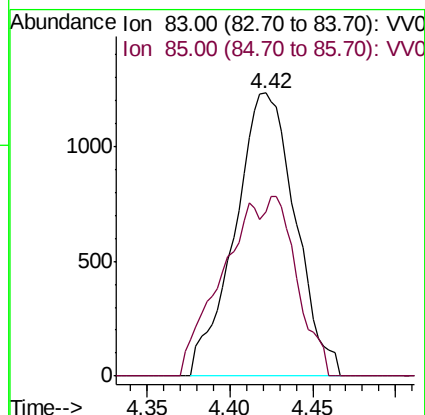
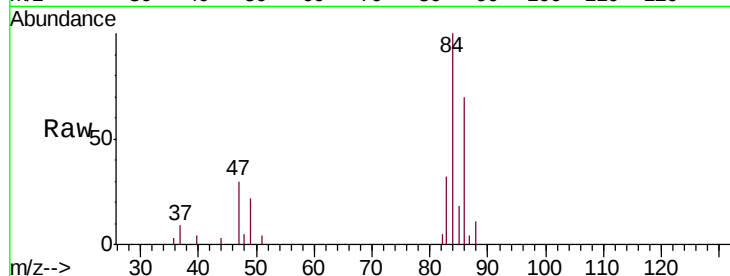
GAJA2RE

Tgt Ion: 83 Resp: 3131

Ion Ratio Lower Upper

83 100

85 41.6 44.6 82.8#



#35

Trichloroethene

Concen: 2.373 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV010761.D

Acq: 09 May 2019 09:57

Tgt Ion: 95 Resp: 1945

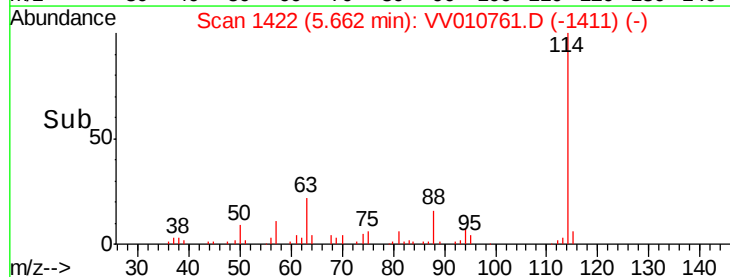
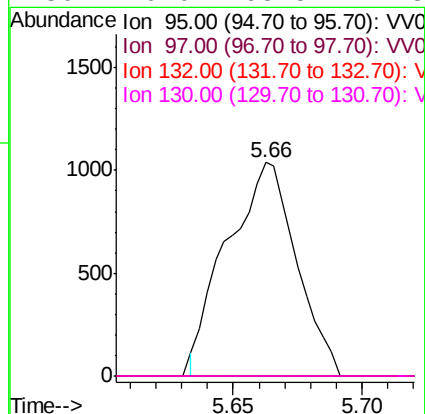
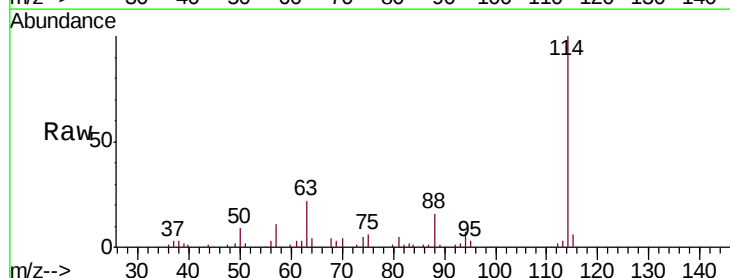
Ion Ratio Lower Upper

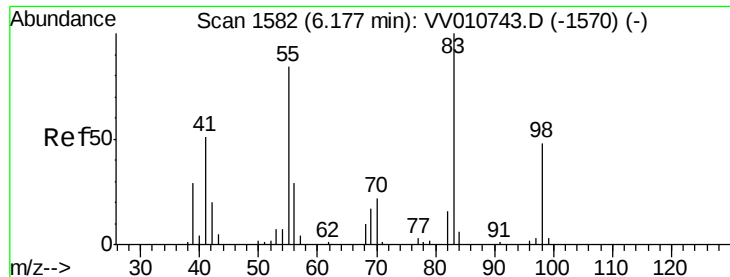
95 100

97 0.0 44.3 82.3#

132 0.0 62.4 115.8#

130 0.0 68.5 127.3#

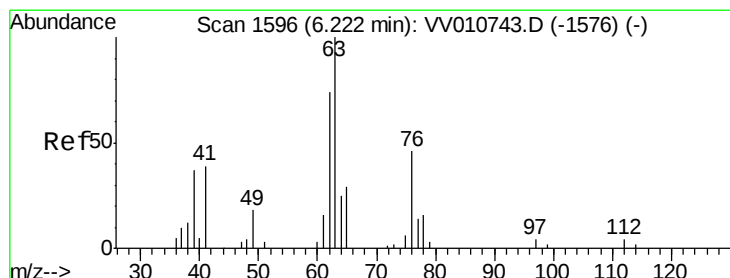
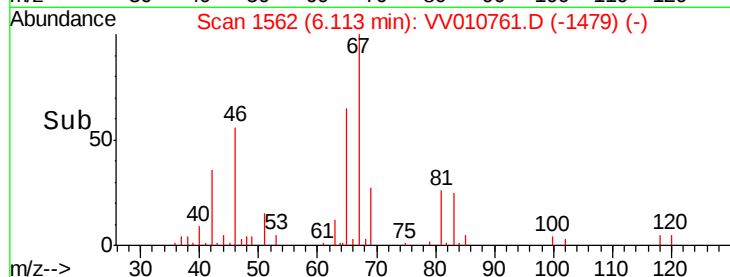
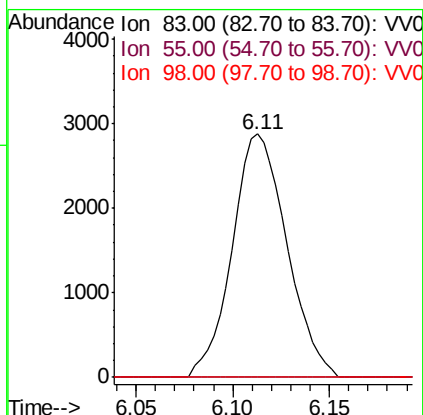
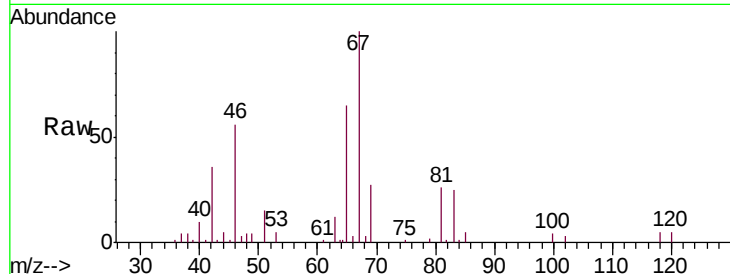




#36
Methylcyclohexane
Concen: 4.300 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV010761.D
Acq: 09 May 2019 09:57

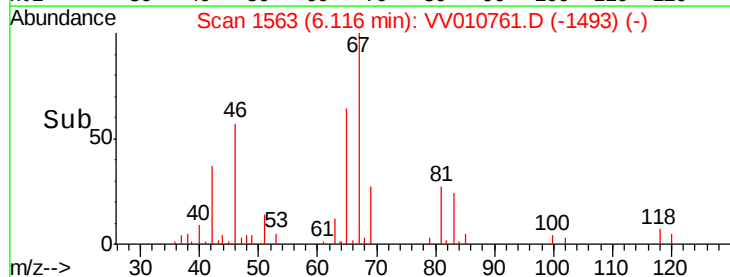
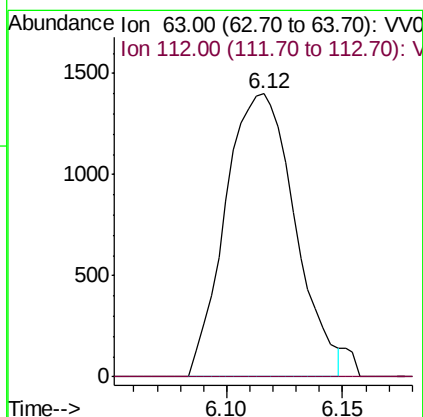
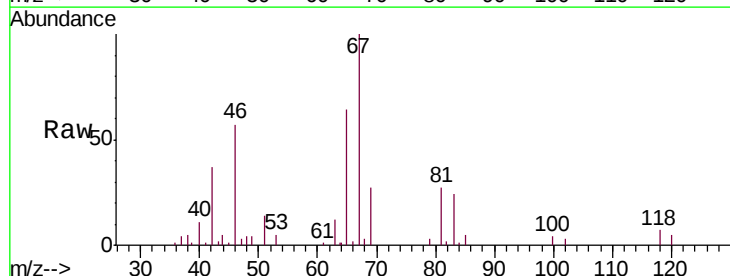
Instrument :
MSVOA_V
ClientSampleId :
GAJA2RE

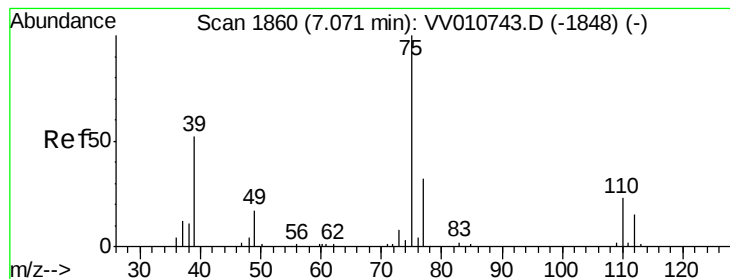
Tgt Ion: 83 Resp: 5649
Ion Ratio Lower Upper
83 100
55 0.0 64.6 96.8#
98 0.0 37.7 56.5#



#40
1,2-Dichloropropane
Concen: 3.737 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.11 min
Lab File: VV010761.D
Acq: 09 May 2019 09:57

Tgt Ion: 63 Resp: 2909
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



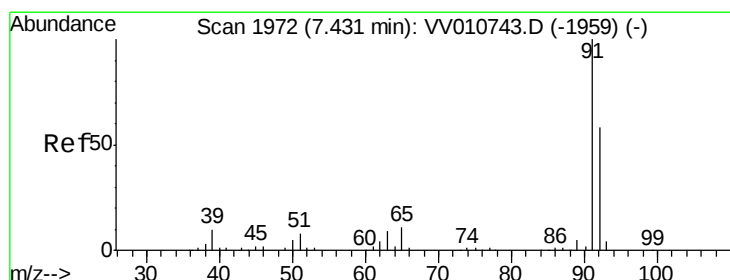
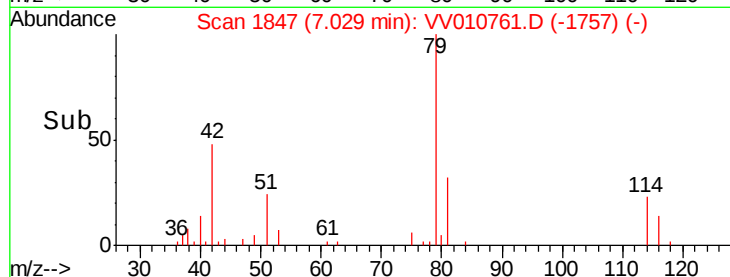
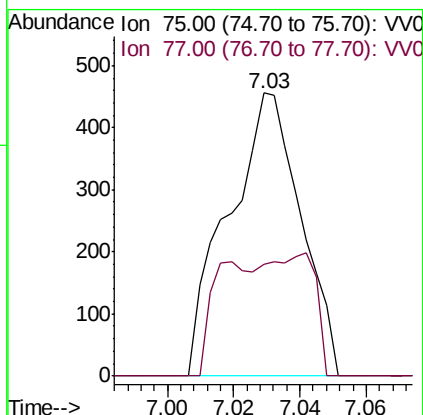
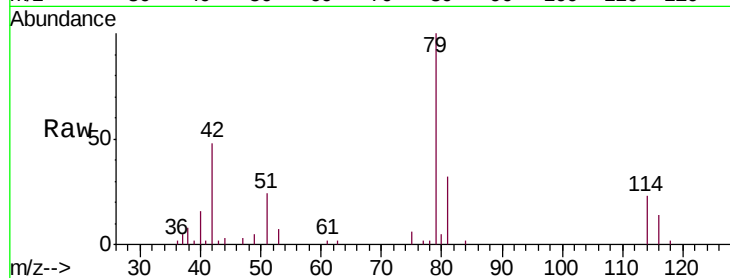


#42

cis-1,3-Dichloropropene
 Concen: 0.564 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010761.D
 Acq: 09 May 2019 09:57

Instrument :
 MSVOA_V
 ClientSampleId :
 GAJA2RE

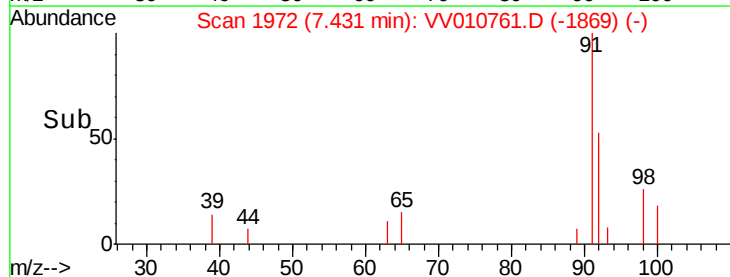
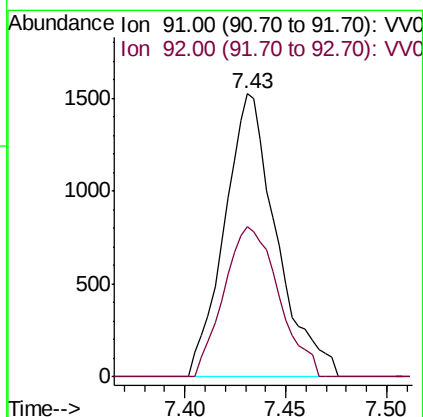
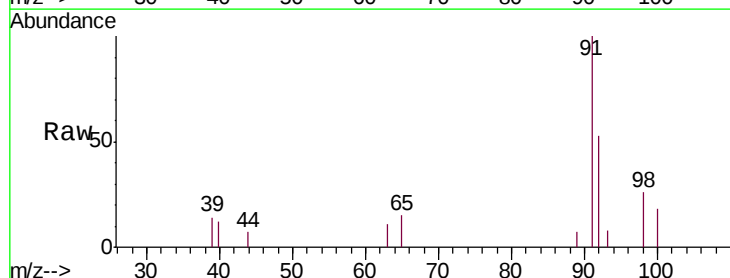
Tgt Ion: 75 Resp: 694
 Ion Ratio Lower Upper
 75 100
 77 39.3 22.3 41.3

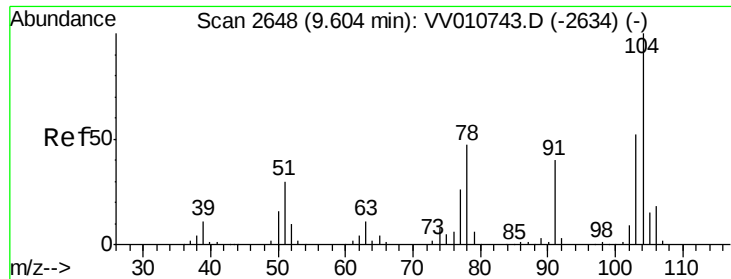


#44

Toluene
 Concen: 0.824 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV010761.D
 Acq: 09 May 2019 09:57

Tgt Ion: 91 Resp: 2737
 Ion Ratio Lower Upper
 91 100
 92 53.1 40.1 74.5





#56

Styrene

Concen: 1.995 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010761.D

Acq: 09 May 2019 09:57

Instrument :

MSVOA_V

ClientSampleId :

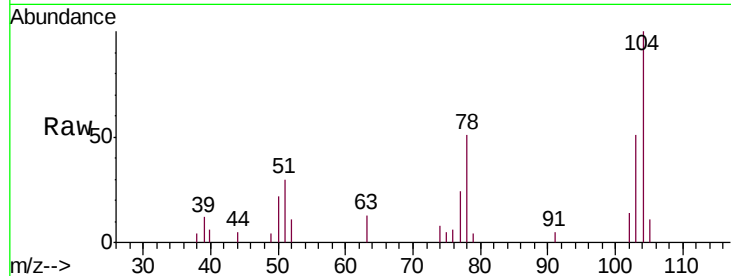
GAJA2RE

Tgt Ion:104 Resp: 4818

Ion Ratio Lower Upper

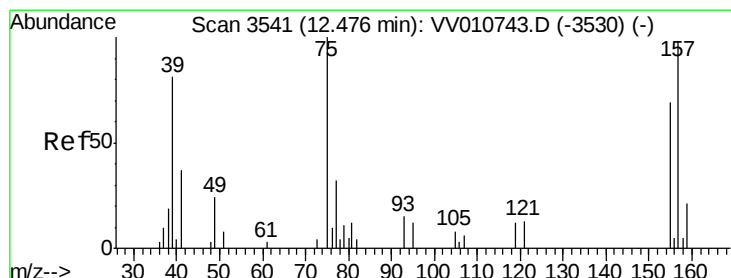
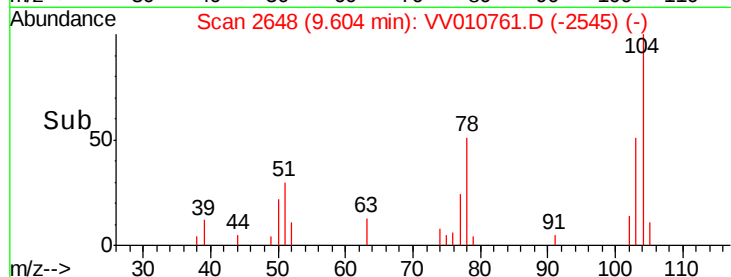
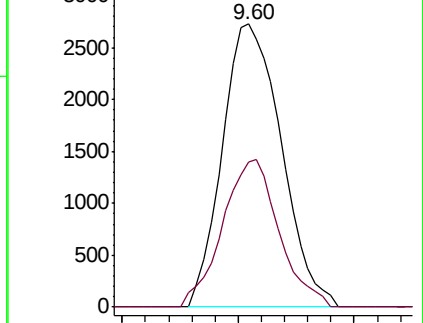
104 100

78 51.1 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): VV010743.D (-2634) (-)

Ion 78.00 (77.70 to 78.70): VV010743.D (-2634) (-)



#66

1,2-Dibromo-3-chloropropane

Concen: 16.600 ug/L

RT: 12.46 min Scan# 3535

Delta R.T. -0.02 min

Lab File: VV010761.D

Acq: 09 May 2019 09:57

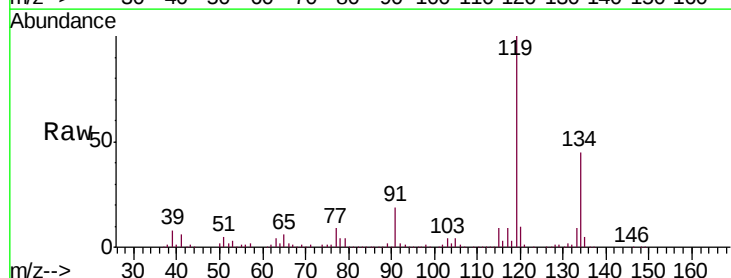
Tgt Ion: 75 Resp: 1634

Ion Ratio Lower Upper

75 100

157 0.0 76.9 115.3#

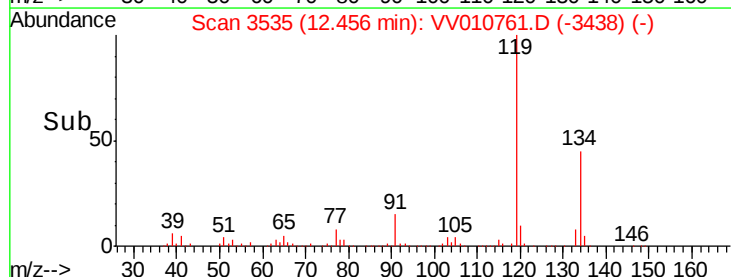
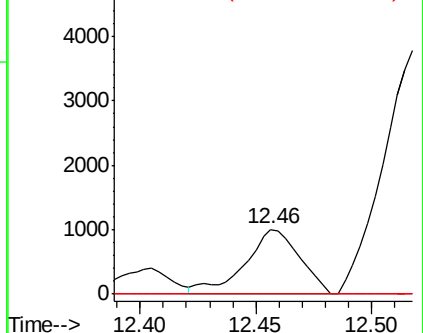
155 0.0 57.9 86.9#

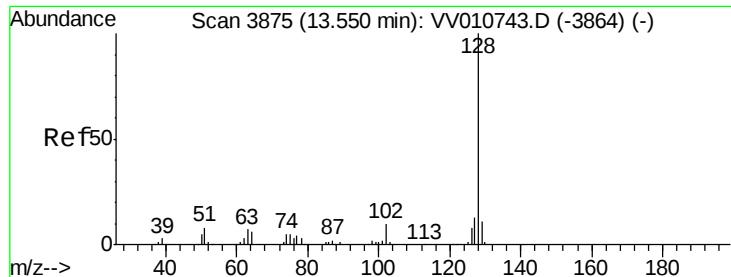


Abundance Ion 75.00 (74.70 to 75.70): VV010743.D (-3530) (-)

Ion 157.00 (156.70 to 157.70): VV010743.D (-3530) (-)

Ion 155.00 (154.70 to 155.70): VV010743.D (-3530) (-)





#69

Naphthalene

Concen: 9966.546 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.02 min

Lab File: VV010761.D

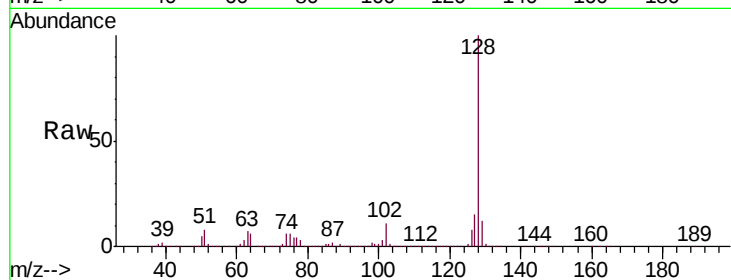
Acq: 09 May 2019 09:57

Instrument :

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ClientSampleId :

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Tgt Ion:128 Resp:12986183

Ion Ratio Lower Upper

128 100

129 12.1 8.3 12.5

127 14.1 10.8 16.2

