

Data File : VV010448.D
Acq On : 23 Apr 2019 10:55
Operator : SY/MD
Sample : K2481-08MS
Misc : 5.06G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHW2

Quant Time: Apr 24 02:13:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 02:09:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	21048	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	18601	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	4258	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	2085	7.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	28.76%#
7) Chloroethane-d5	1.58	69	3553	15.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.00%
10) 1,1-Dichloroethene-d2	2.14	63	7024	12.97	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	51.88%
20) 2-Butanone-d5	3.95	46	1195	17.62	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	35.24%
24) Chloroform-d	4.40	84	6428	12.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	50.00%
26) 1,2-Dichloroethane-d4	5.09	65	7506	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.16%
29) Benzene-d6	5.10	84	20961	24.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.64%
33) 1,2-Dichloropropane-d6	6.12	67	7218	28.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.00%
37) Toluene-d8	7.36	98	19400	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.72%
38) trans-1,3-Dichloropropene-	7.67	79	1843	14.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	59.08%
39) 2-Hexanone-d5	8.14	63	1331	26.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	52.90%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	6704	27.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.64%
61) 1,2-Dichlorobenzene-d4	11.68	152	5665	35.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	140.04%#

Target Compounds

					Qvalue	
3) Chloromethane	1.25	50	258	0.969	ug/L #	43
6) Bromomethane	1.53	94	250	1.524	ug/L	61
12) 1,1-Dichloroethene	2.15	96	4805	18.129	ug/L #	80
13) Acetone	2.19	43	517	7.114	ug/L	67
16) Methylene chloride	2.54	84	592	1.918	ug/L #	63
34) Benzene	5.15	78	26595	32.346	ug/L	100
35) Trichloroethene	5.96	95	7198	28.868	ug/L #	80
36) Methylcyclohexane	6.12	83	1195	3.208	ug/L #	19
40) 1,2-Dichloropropane	6.11	63	930	4.596	ug/L #	87
44) Toluene	7.43	91	30093	30.287	ug/L	99
52) Chlorobenzene	8.93	112	17145	24.613	ug/L	98
59) 1,2,3-Trichloropropane	11.29	75	148	0.850	ug/L	92
69) Naphthalene	13.55	128	95645	396.438	ug/L	97

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
GAHW2

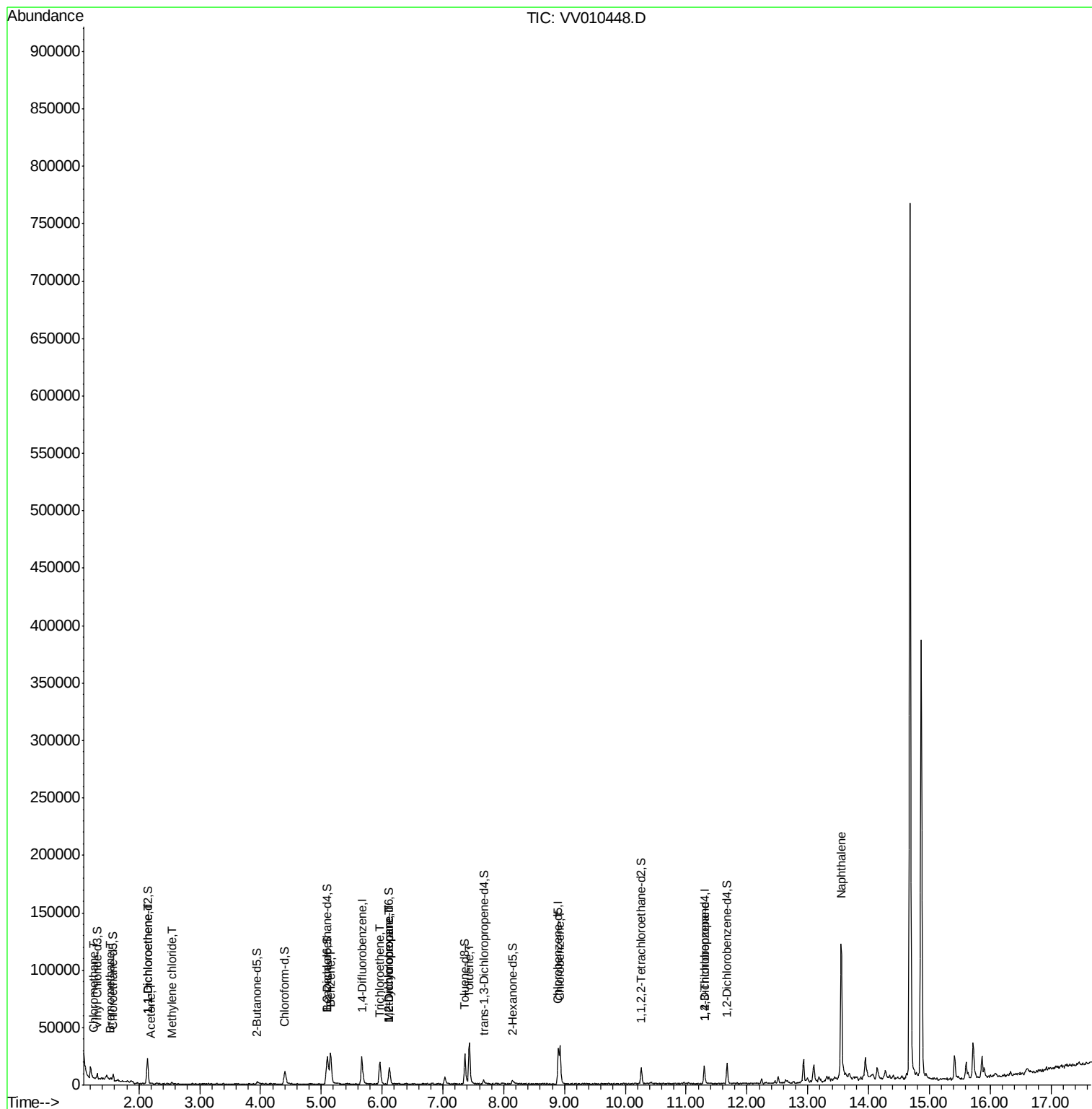
Quant Time: Apr 24 02:13:36 2019

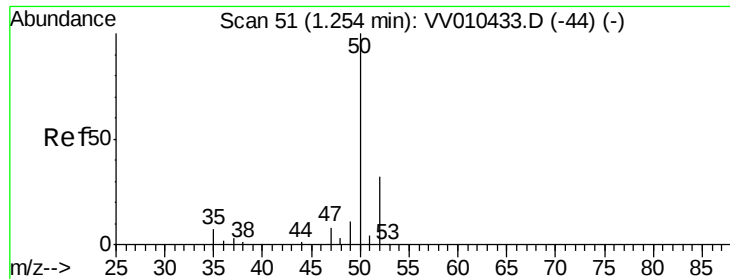
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM042219S.M

Quant Title : VOC Analysis

QLast Update : Wed Apr 24 02:09:39 2019

Response via : Initial Calibration





#3

Chloromethane

Concen: 0.969 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010448.D

Acq: 23 Apr 2019 10:55

Instrument :

MSVOA_V

ClientSampleId :

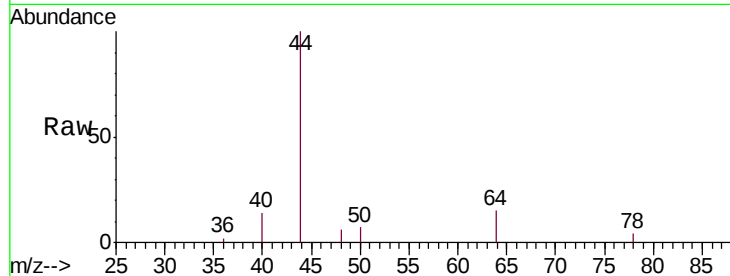
GAHW2

Tgt Ion: 50 Resp: 258

Ion Ratio Lower Upper

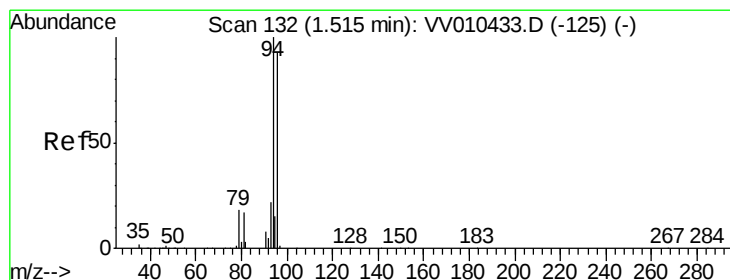
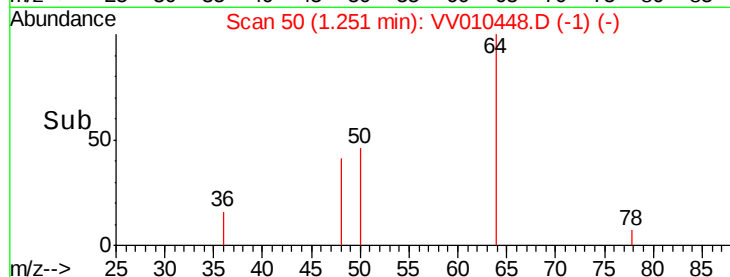
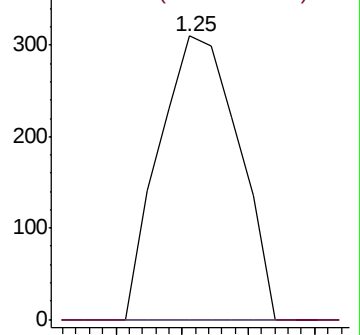
50 100

52 0.0 22.3 41.5#



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#6

Bromomethane

Concen: 1.524 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.02 min

Lab File: VV010448.D

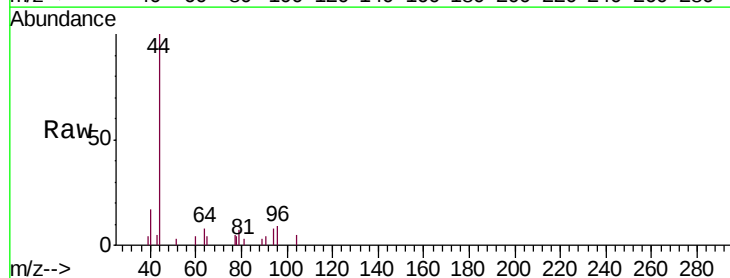
Acq: 23 Apr 2019 10:55

Tgt Ion: 94 Resp: 250

Ion Ratio Lower Upper

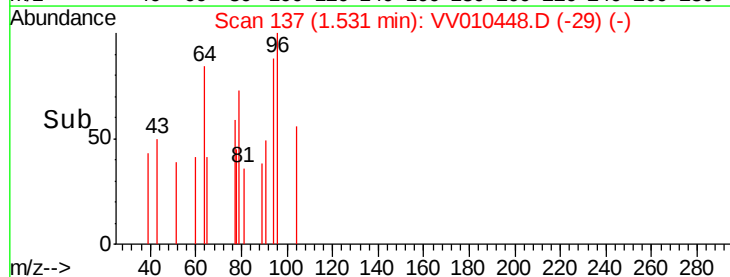
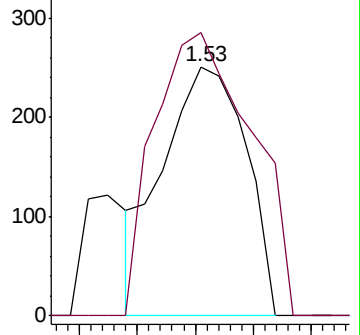
94 100

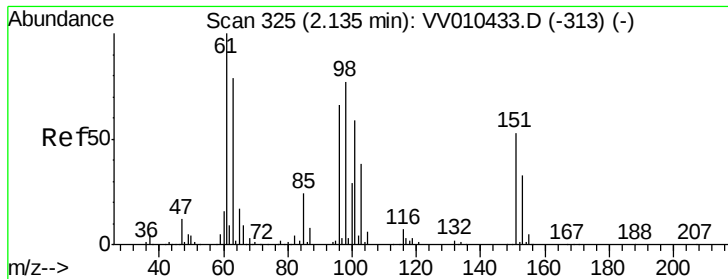
96 132.8 9.5 180.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

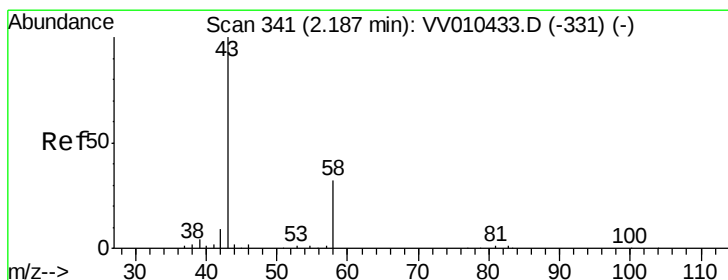
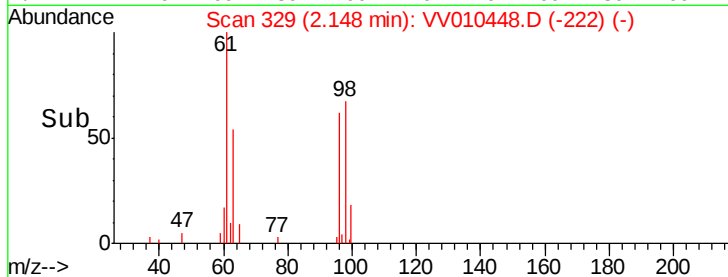
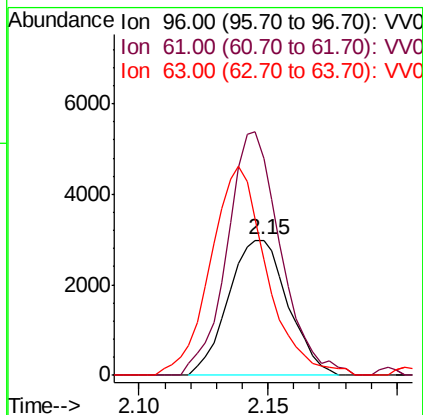
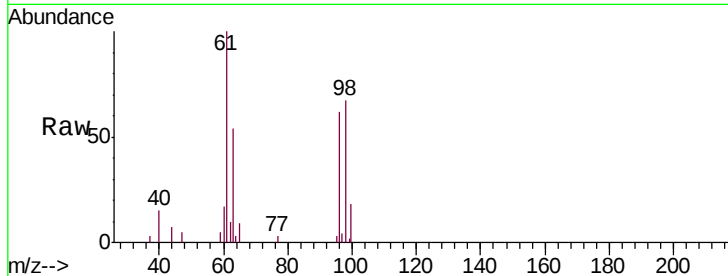




#12
 1,1-Dichloroethene
 Concen: 18.129 ug/L
 RT: 2.15 min Scan# 329
 Delta R.T. 0.01 min
 Lab File: VV010448.D
 Acq: 23 Apr 2019 10:55

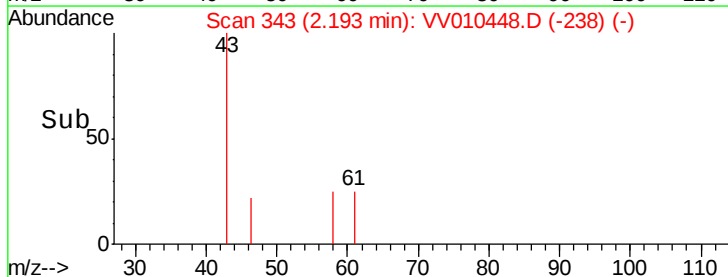
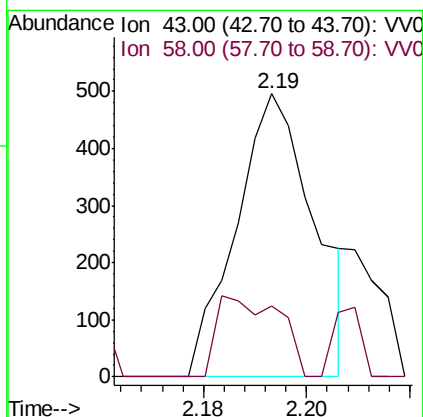
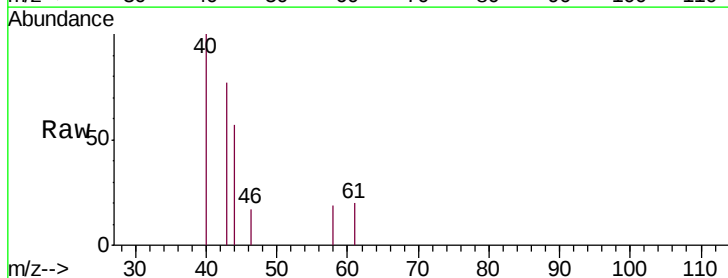
Instrument :
 MSVOA_V
 ClientSampleId :
 GAHW2

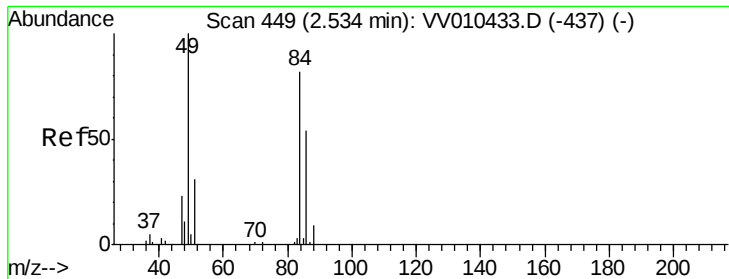
Tgt Ion: 96 Resp: 4805
 Ion Ratio Lower Upper
 96 100
 61 160.5 105.3 195.5
 63 86.1 87.8 163.2#



#13
 Acetone
 Concen: 7.114 ug/L
 RT: 2.19 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VV010448.D
 Acq: 23 Apr 2019 10:55

Tgt Ion: 43 Resp: 517
 Ion Ratio Lower Upper
 43 100
 58 14.3 0.0 66.4

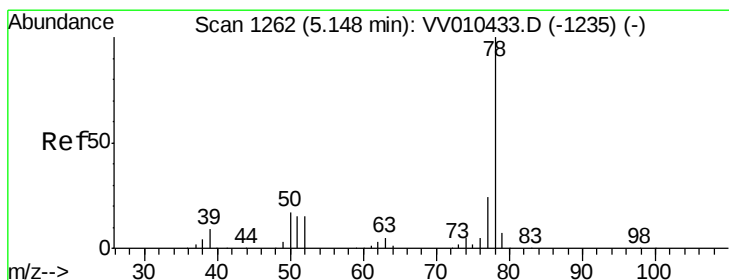
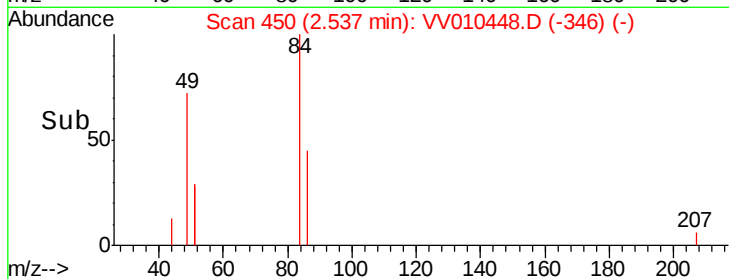
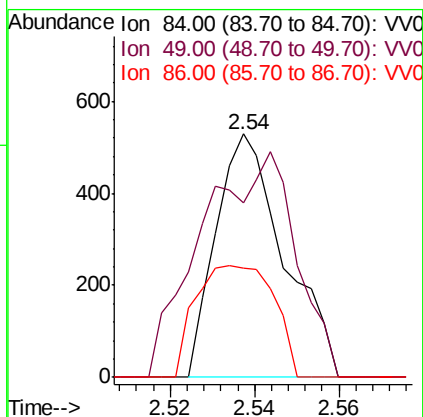
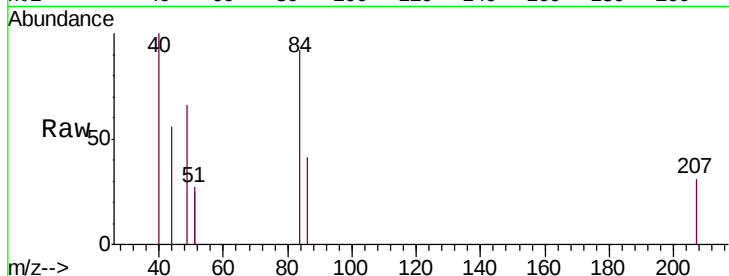




#16
Methylene chloride
Concen: 1.918 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV010448.D
Acq: 23 Apr 2019 10:55

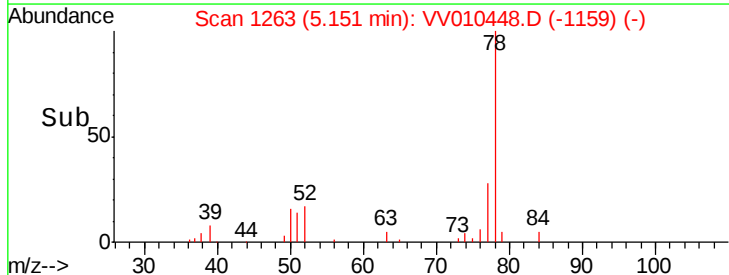
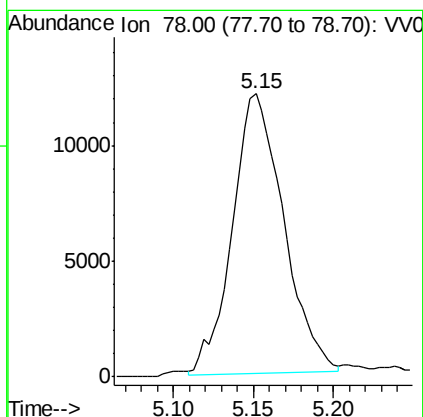
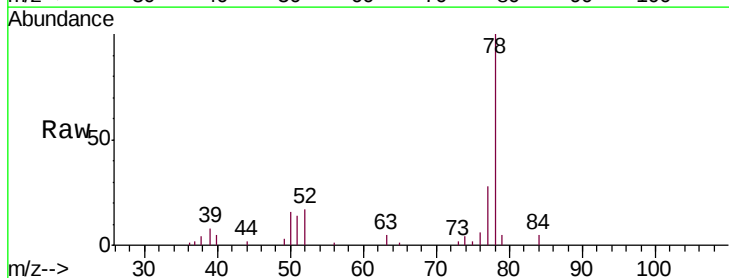
Instrument :
MSVOA_V
ClientSampleId :
GAHW2

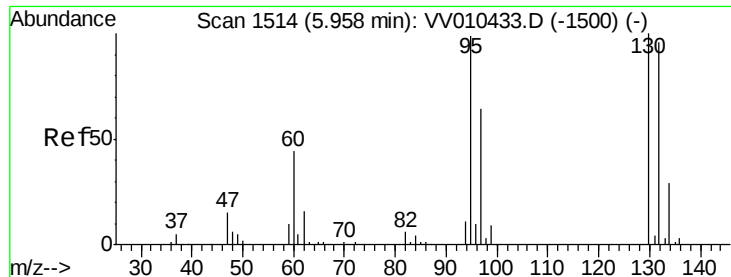
Tgt Ion: 84 Resp: 592
Ion Ratio Lower Upper
84 100
49 71.8 85.0 158.0#
86 44.8 43.9 81.5



#34
Benzene
Concen: 32.346 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV010448.D
Acq: 23 Apr 2019 10:55

Tgt Ion: 78 Resp: 26595

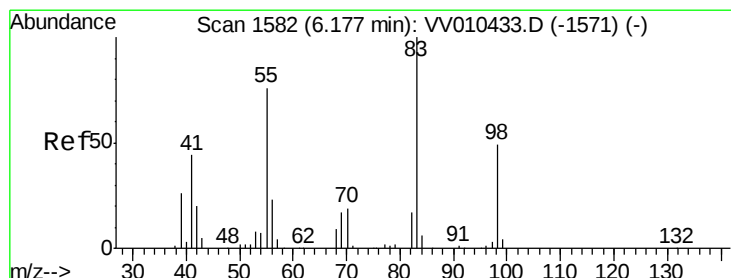
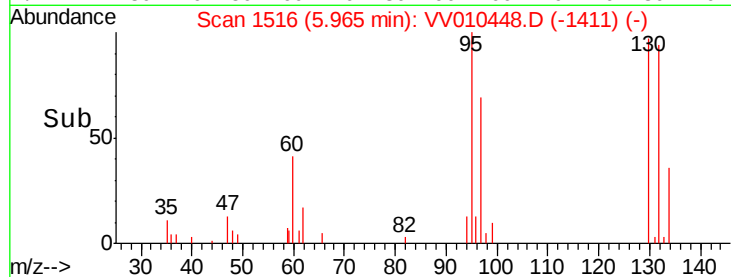
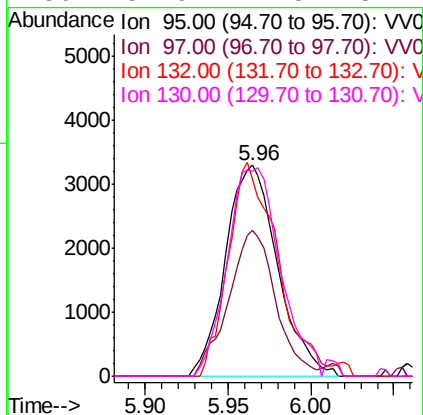
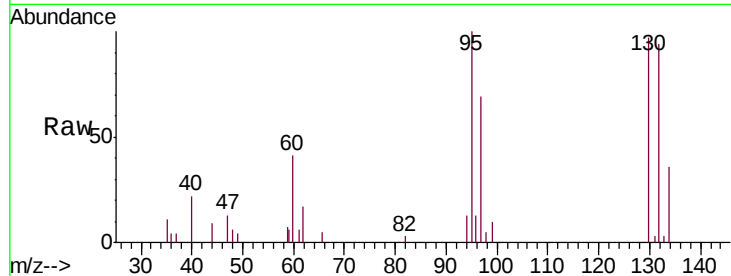




#35
 Trichloroethene
 Concen: 28.868 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: VV010448.D
 Acq: 23 Apr 2019 10:55

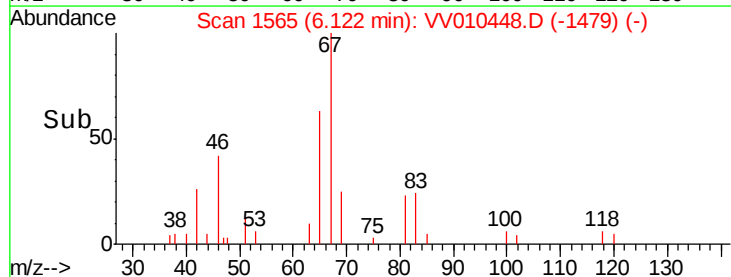
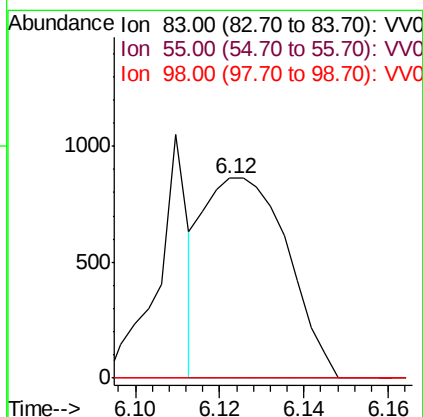
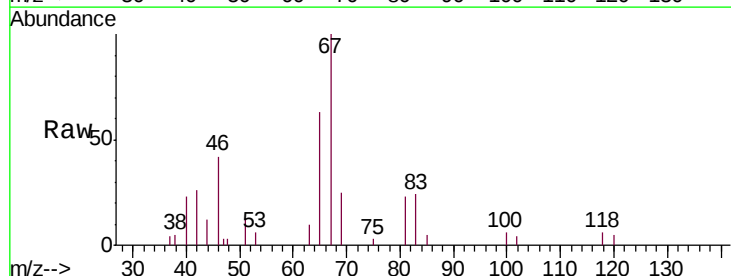
Instrument :
 MSVOA_V
 ClientSampleId :
 GAHW2

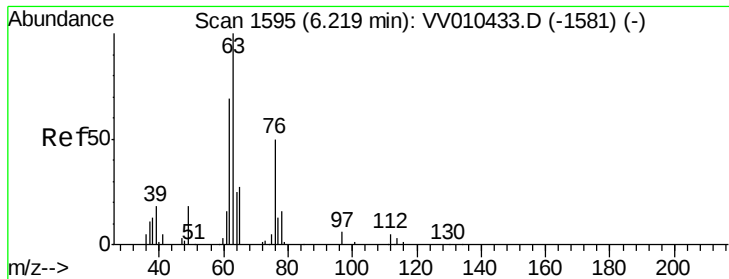
Tgt Ion: 95 Resp: 7198
 Ion Ratio Lower Upper
 95 100
 97 62.3 44.4 82.4
 132 96.1 69.0 128.1
 130 51.9 71.5 132.7#



#36
 Methylcyclohexane
 Concen: 3.208 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.05 min
 Lab File: VV010448.D
 Acq: 23 Apr 2019 10:55

Tgt Ion: 83 Resp: 1195
 Ion Ratio Lower Upper
 83 100
 55 0.0 59.6 89.4#
 98 0.0 38.0 57.0#





#40

1,2-Dichloropropane

Concen: 4.596 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.11 min

Lab File: VV010448.D

Acq: 23 Apr 2019 10:55

Instrument :

MSVOA_V

ClientSampleId :

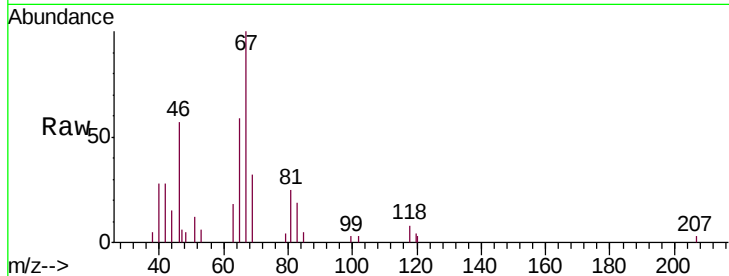
GAHW2

Tgt Ion: 63 Resp: 930

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV010433.D (-1581) (-)

Ion 112.00 (111.70 to 112.70): VV010433.D (-1581) (-)

6.11

600

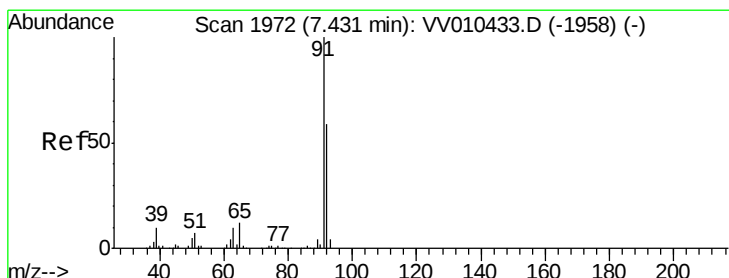
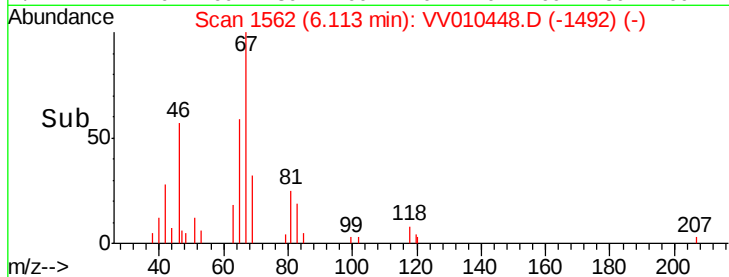
400

200

0

6.08 6.10 6.12 6.14 6.16

Time-->



#44

Toluene

Concen: 30.287 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010448.D

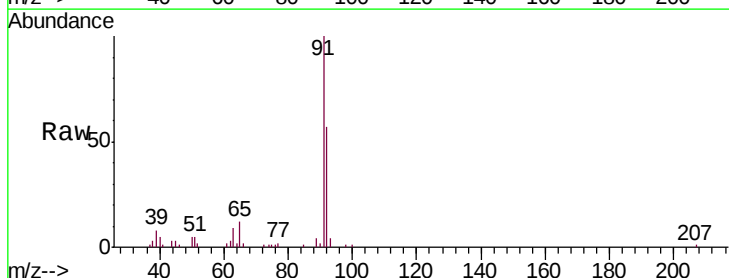
Acq: 23 Apr 2019 10:55

Tgt Ion: 91 Resp: 30093

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VV010433.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010433.D (-1958) (-)

7.43

15000

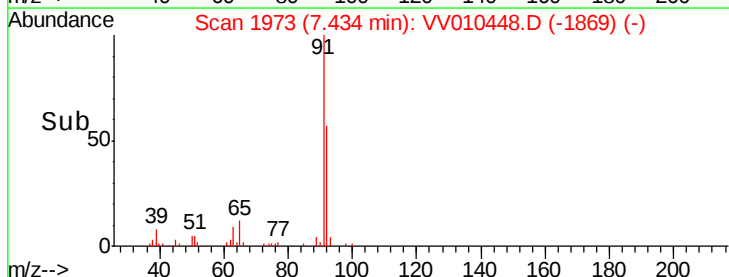
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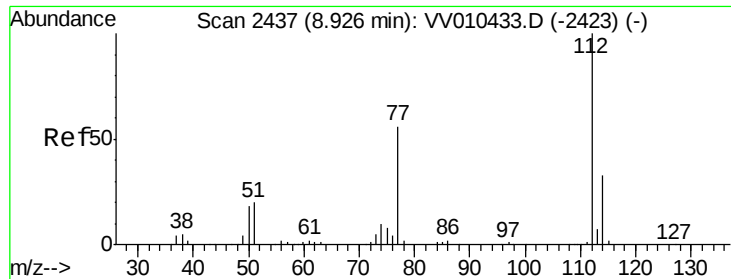
5000

0

7.35 7.40 7.45 7.50

Time-->

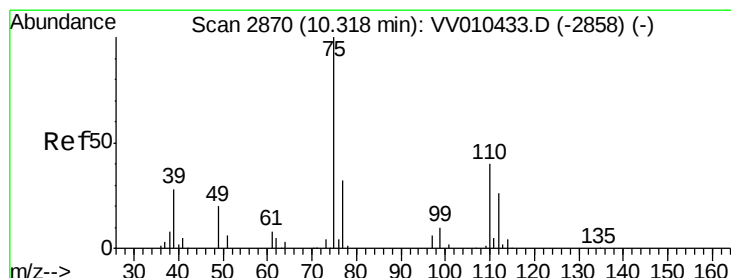
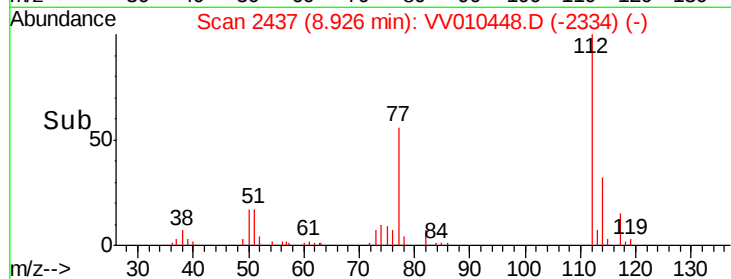
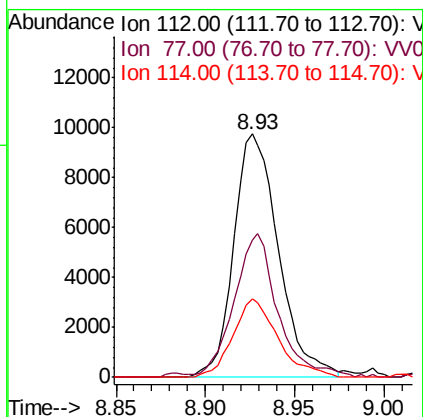
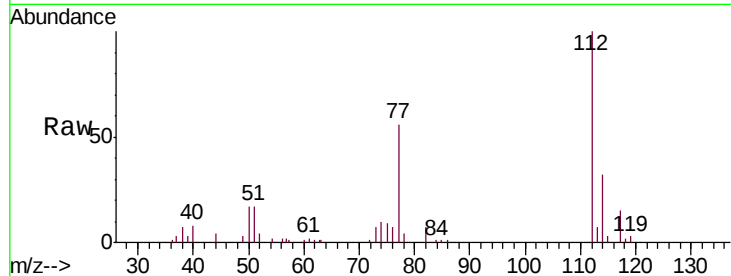




#52
Chlorobenzene
Concen: 24.613 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV010448.D
Acq: 23 Apr 2019 10:55

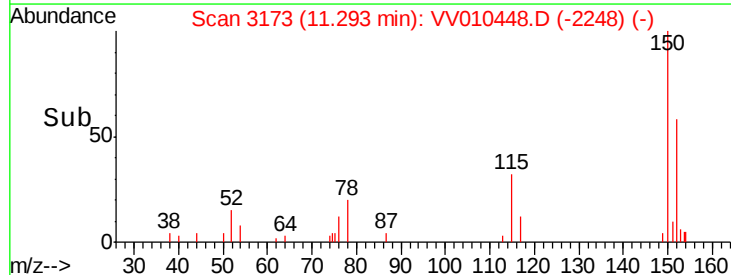
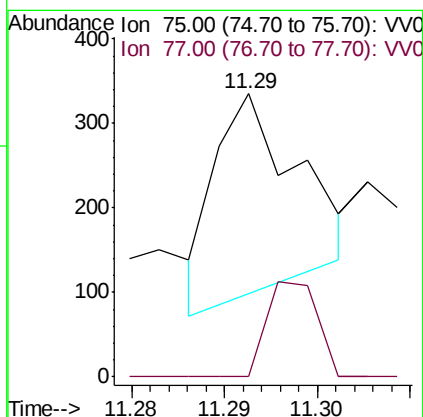
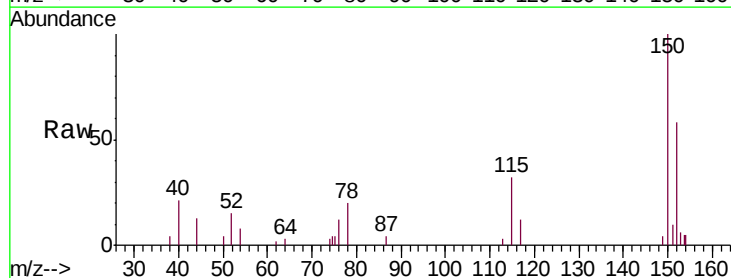
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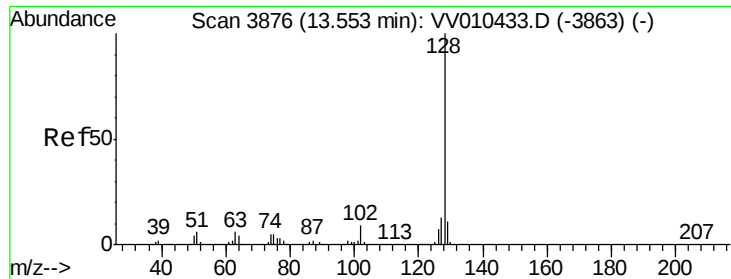
Tgt Ion: 112 Resp: 17145
Ion Ratio Lower Upper
112 100
77 56.2 46.2 69.2
114 32.4 22.5 41.7



#59
1,2,3-Trichloropropane
Concen: 0.850 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.97 min
Lab File: VV010448.D
Acq: 23 Apr 2019 10:55

Tgt Ion: 75 Resp: 148
Ion Ratio Lower Upper
75 100
77 28.4 26.2 39.2





#69

Naphthalene

Concen: 396.438 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV010448.D

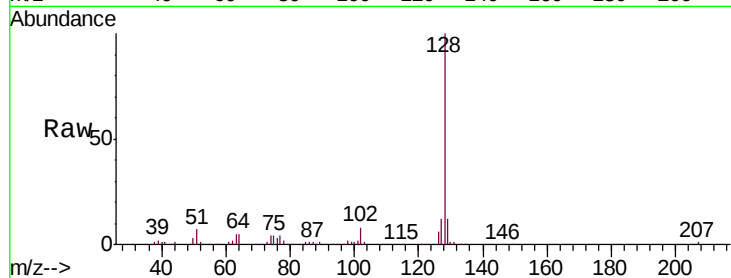
Acq: 23 Apr 2019 10:55

Instrument :

MSVOA_V

ClientSampleId :

GAHW2



Tgt Ion:128 Resp: 95645

Ion Ratio Lower Upper

128 100

129 12.2 8.4 12.6

127 13.0 10.2 15.2

