

Data File : VV010445.D
Acq On : 23 Apr 2019 09:33
Operator : SY/MD
Sample : K2481-12
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHW5

Quant Time: Apr 24 02:13:13 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	18185	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	15750	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	5065	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	2397	9.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	38.28%
7) Chloroethane-d5	1.58	69	3453	17.72	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.88%
10) 1,1-Dichloroethene-d2	2.13	63	4093	8.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	35.00%#
20) 2-Butanone-d5	4.06	46	172	2.94	ug/L	0.13
Spiked Amount	50.000	Range	20 - 135	Recovery	=	5.88%#
24) Chloroform-d	4.40	84	11563	26.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.08%
26) 1,2-Dichloroethane-d4	5.08	65	8001	29.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.40%
29) Benzene-d6	5.10	84	17874	24.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.32%
33) 1,2-Dichloropropane-d6	6.12	67	6972	32.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	130.04%#
37) Toluene-d8	7.37	98	15020	20.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.20%
38) trans-1,3-Dichloropropene-	7.67	79	2351	22.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.04%
39) 2-Hexanone-d5	8.15	63	1643	38.56	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	7053	33.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	135.00%#
61) 1,2-Dichlorobenzene-d4	11.68	152	5003	25.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.96%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	287	1.247 ug/L #	43
6) Bromomethane	1.53	94	331	2.335 ug/L	30
13) Acetone	2.19	43	398	6.339 ug/L #	41
15) Methyl Acetate	2.47	43	150	1.605 ug/L #	51
35) Trichloroethene	5.68	95	237	1.123 ug/L #	4
36) Methylcyclohexane	6.12	83	1022	3.240 ug/L #	19
40) 1,2-Dichloropropane	6.12	63	469	2.737 ug/L #	87
59) 1,2,3-Trichloropropane	11.29	75	262	1.776 ug/L #	35
69) Naphthalene	13.56	128	3959	13.795 ug/L #	86

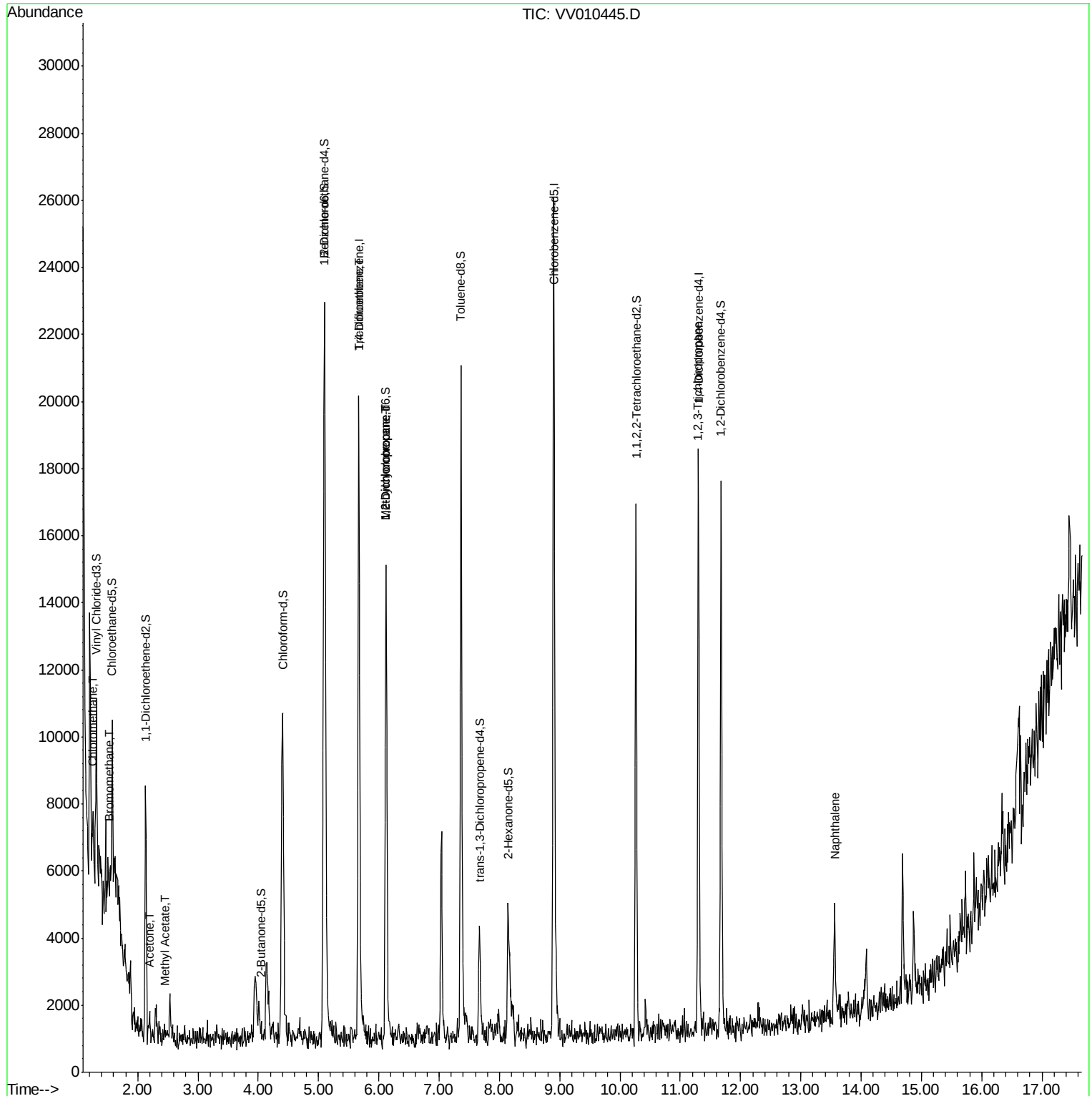
(#) = qualifier out of range (m) = manual integration (+) = signals summed

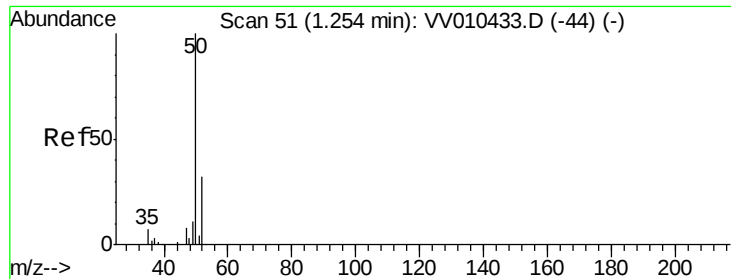
Data File : VV010445.D

```
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Quant Title : VOC Analysis
QLast Update : Wed Apr 24 02:09:39 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.247 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

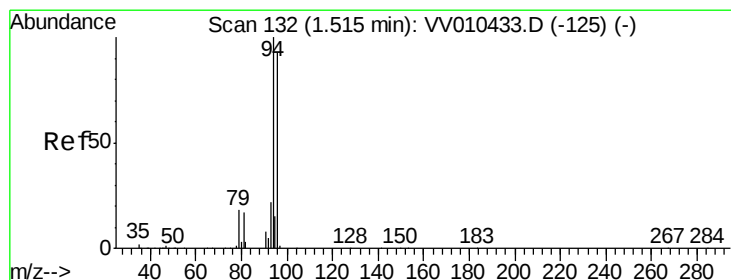
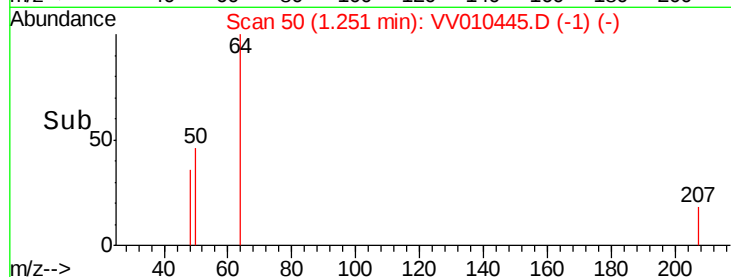
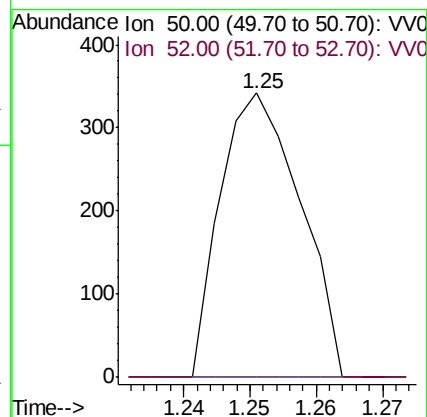
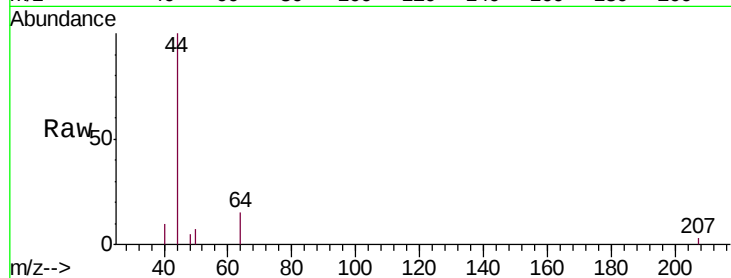
GAHW5

Tgt Ion: 50 Resp: 287

Ion Ratio Lower Upper

50 100

52 0.0 22.3 41.5#



#6

Bromomethane

Concen: 2.335 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.02 min

Lab File: VV010445.D

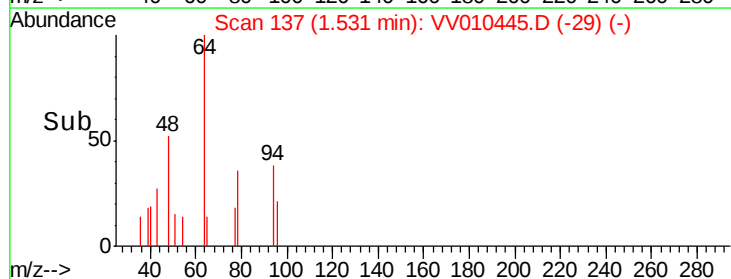
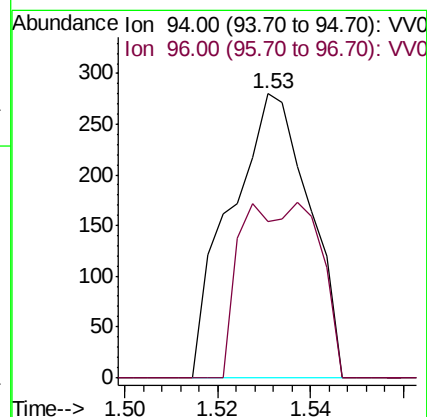
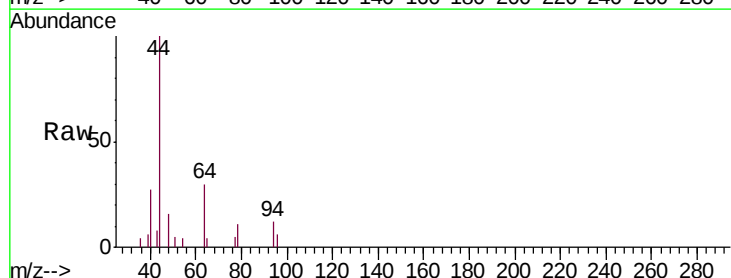
Acq: 23 Apr 2019 09:33

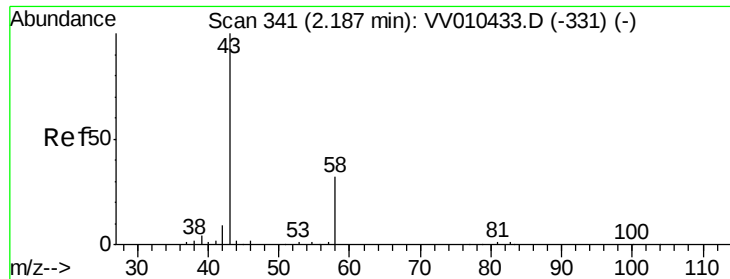
Tgt Ion: 94 Resp: 331

Ion Ratio Lower Upper

94 100

96 26.9 9.5 180.3





#13

Acetone

Concen: 6.339 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV010445.D

Acq: 23 Apr 2019 09:33

Instrument :

MSVOA_V

ClientSampleId :

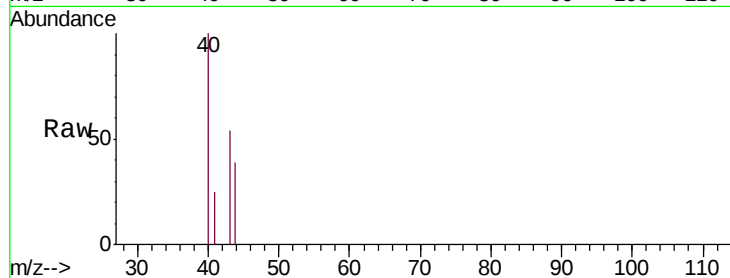
GAHW5

Tgt Ion: 43 Resp: 398

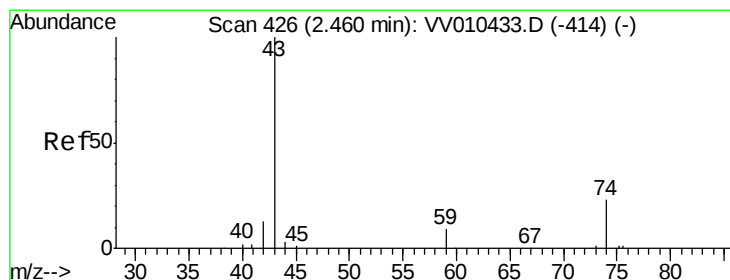
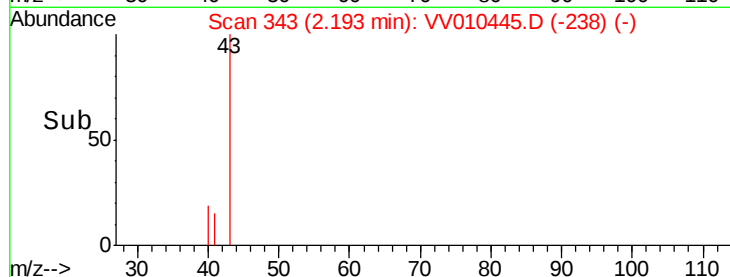
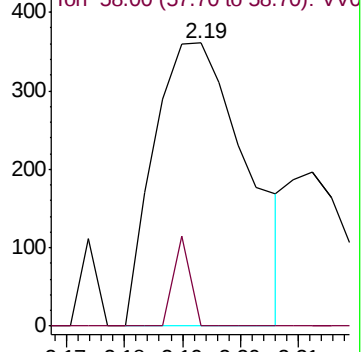
Ion Ratio Lower Upper

43 100

58 0.0 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV010433.D (-331) (-)



#15

Methyl Acetate

Concen: 1.605 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.01 min

Lab File: VV010445.D

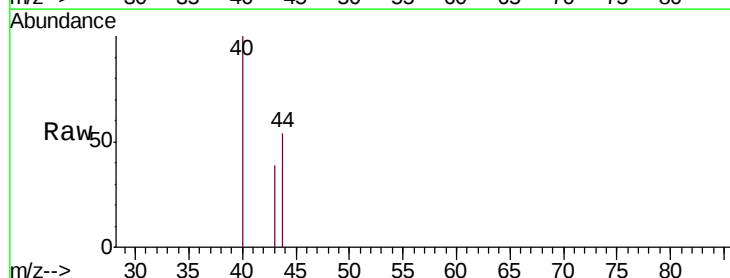
Acq: 23 Apr 2019 09:33

Tgt Ion: 43 Resp: 150

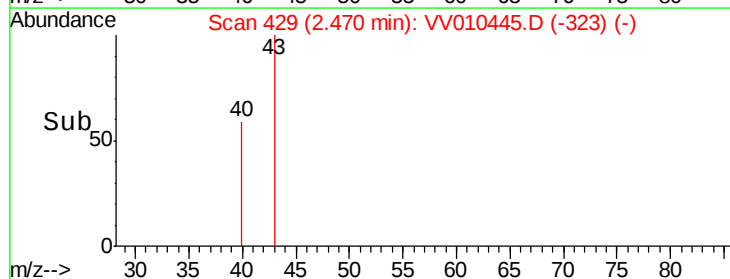
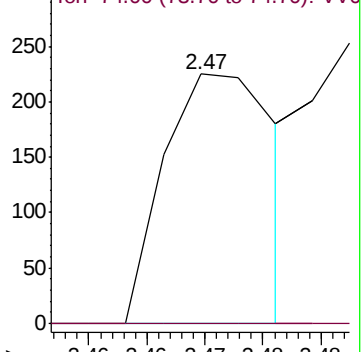
Ion Ratio Lower Upper

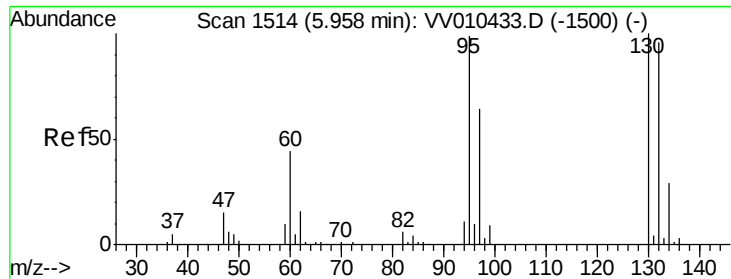
43 100

74 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VV010433.D (-414) (-)

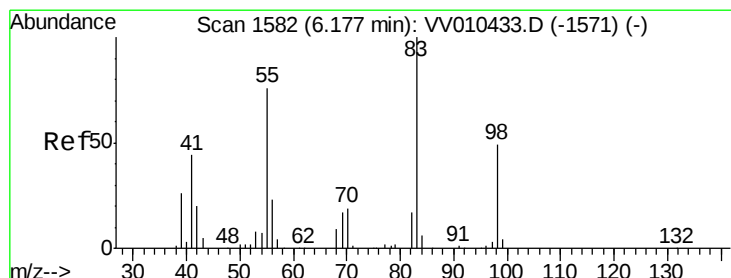
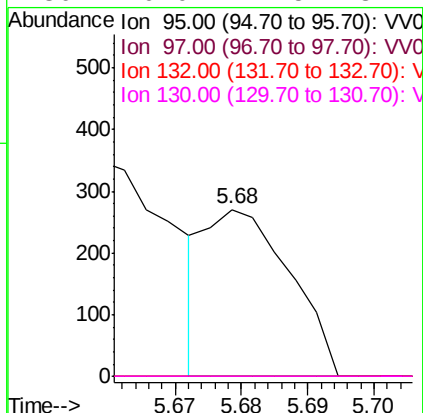
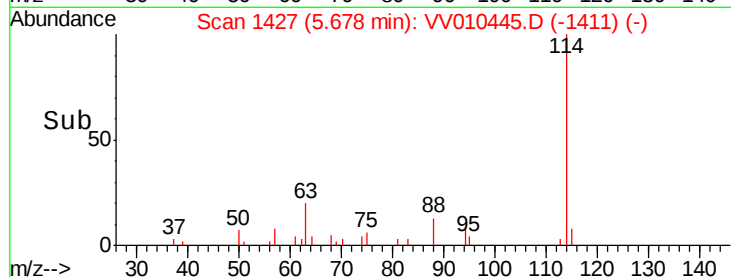
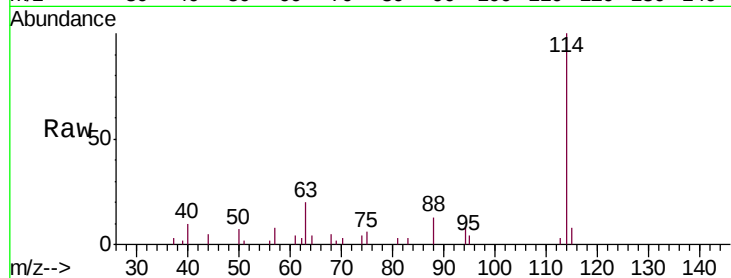




#35
 Trichloroethene
 Concen: 1.123 ug/L
 RT: 5.68 min Scan# 1427
 Delta R.T. -0.28 min
 Lab File: VV010445.D
 Acq: 23 Apr 2019 09:33

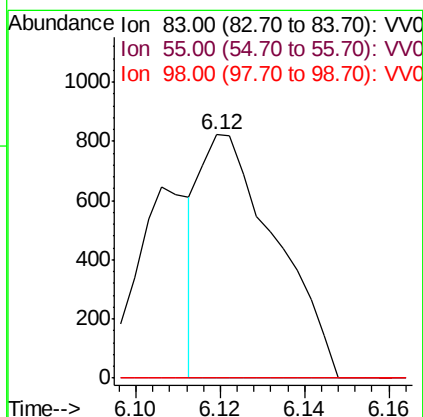
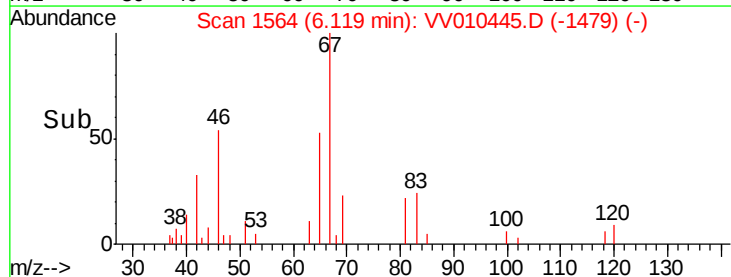
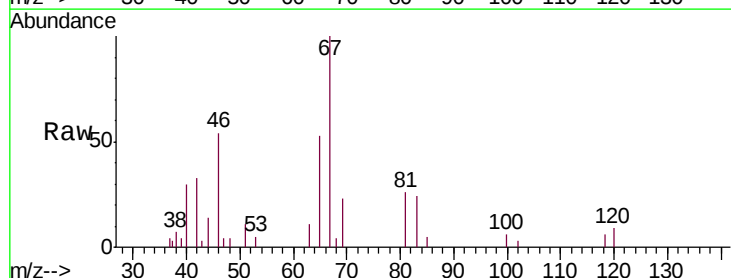
Instrument :
 MSVOA_V
 ClientSampleID :
 GAHW5

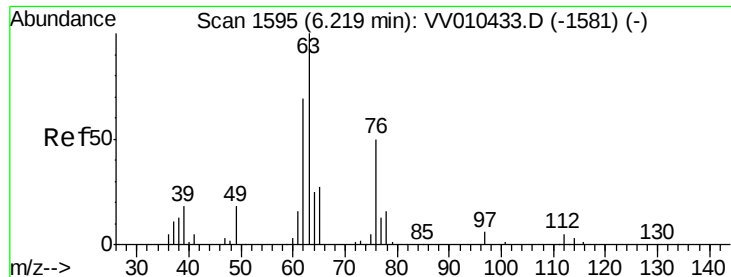
Tgt Ion: 95 Resp: 237
 Ion Ratio Lower Upper
 95 100
 97 0.0 44.4 82.4#
 132 0.0 69.0 128.1#
 130 0.0 71.5 132.7#



#36
 Methylcyclohexane
 Concen: 3.240 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.06 min
 Lab File: VV010445.D
 Acq: 23 Apr 2019 09:33

Tgt Ion: 83 Resp: 1022
 Ion Ratio Lower Upper
 83 100
 55 0.0 59.6 89.4#
 98 0.0 38.0 57.0#

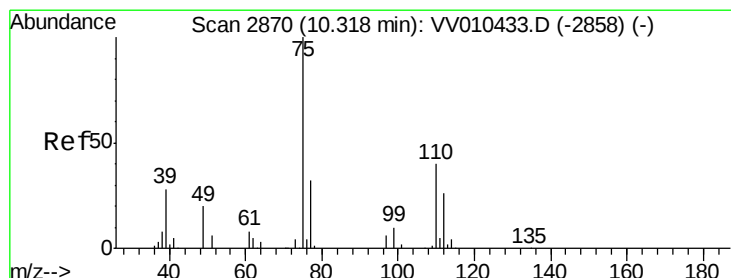
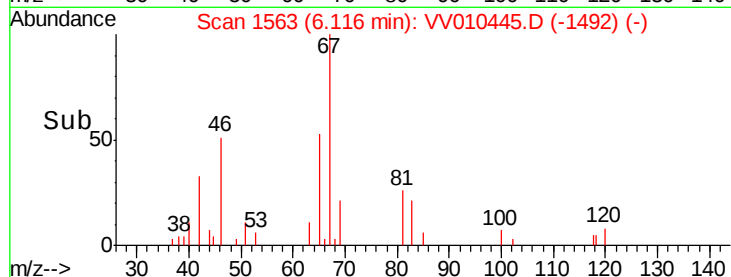
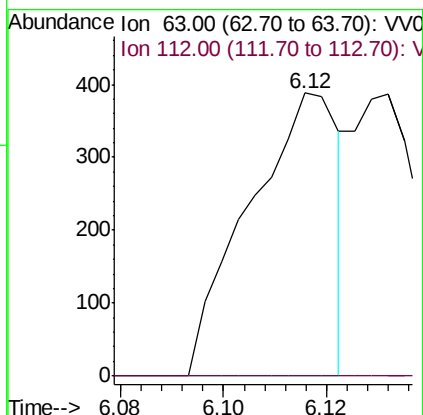
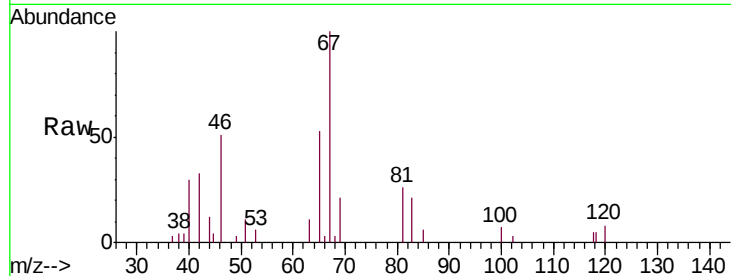




#40
 1,2-Dichloropropane
 Concen: 2.737 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV010445.D
 Acq: 23 Apr 2019 09:33

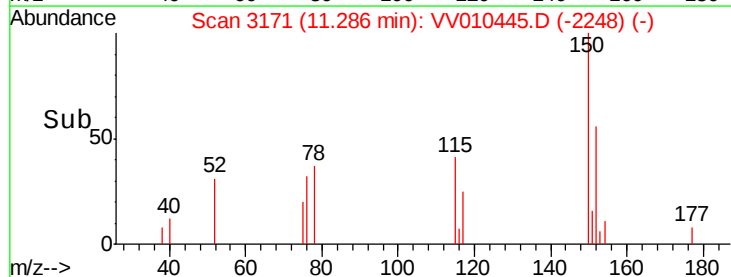
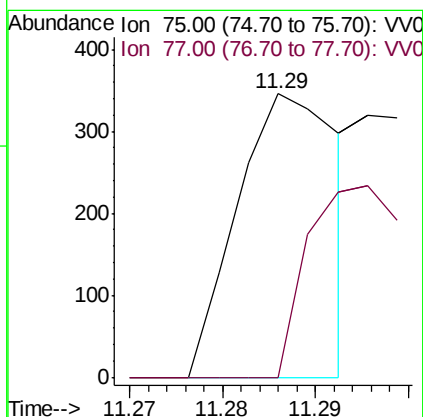
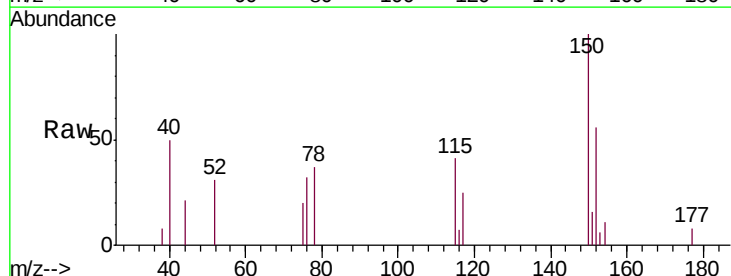
Instrument :
 MSVOA_V
 ClientSampled :
 GAHW5

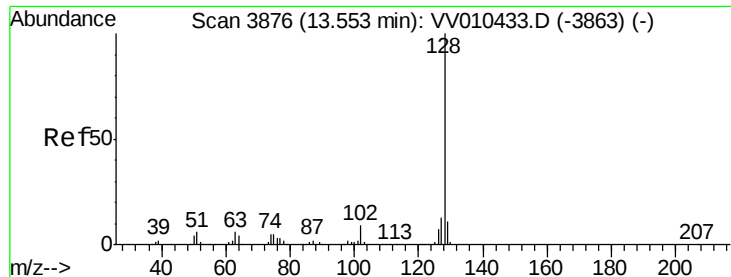
Tgt Ion: 63 Resp: 469
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#59
 1,2,3-Trichloropropane
 Concen: 1.776 ug/L
 RT: 11.29 min Scan# 3171
 Delta R.T. 0.97 min
 Lab File: VV010445.D
 Acq: 23 Apr 2019 09:33

Tgt Ion: 75 Resp: 262
 Ion Ratio Lower Upper
 75 100
 77 69.5 26.2 39.2#





#69

Naphthalene

Concen: 13.795 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.01 min

Lab File: VV010445.D

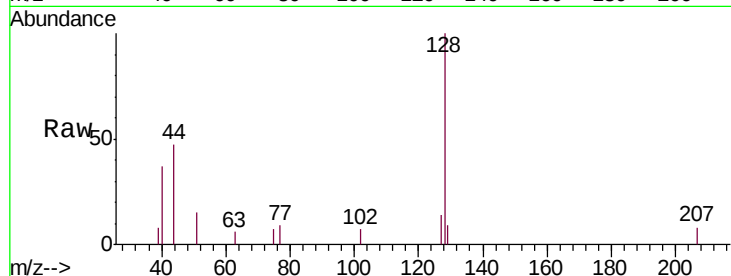
Acq: 23 Apr 2019 09:33

Instrument :

MSVOA_V

ClientSampleId :

GAHW5



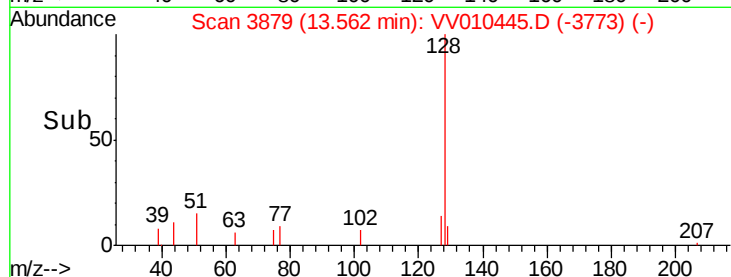
Tgt Ion:128 Resp: 3959

Ion Ratio Lower Upper

128 100

129 3.9 8.4 12.6#

127 8.6 10.2 15.2#



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

