

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009439.D
 Acq On : 25 Mar 2019 20:46
 Operator : SY/VA
 Sample : K2044-05
 Misc : 5.43G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 26 09:05:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 09:00:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	43014	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	42777	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	17967	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	12910	25.12	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.48%
7) Chloroethane-d5	2.89	69	13718	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.24%
10) 1,1-Dichloroethene-d2	4.01	63	21034	18.93	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.72%
20) 2-Butanone-d5	7.09	46	9167	43.12	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
24) Chloroform-d	7.65	84	31940	27.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.84%
26) 1,2-Dichloroethane-d4	8.31	65	20784	29.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.56%
29) Benzene-d6	8.27	84	51795	21.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.84%
33) 1,2-Dichloropropane-d6	9.28	67	18776	26.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.00%
37) Toluene-d8	10.32	98	40884	18.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.96%
38) trans-1,3-Dichloropropene-	10.58	79	6917	19.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.76%
39) 2-Hexanone-d5	10.93	63	7069	41.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	18552	26.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	14407	20.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.64%

Target Compounds

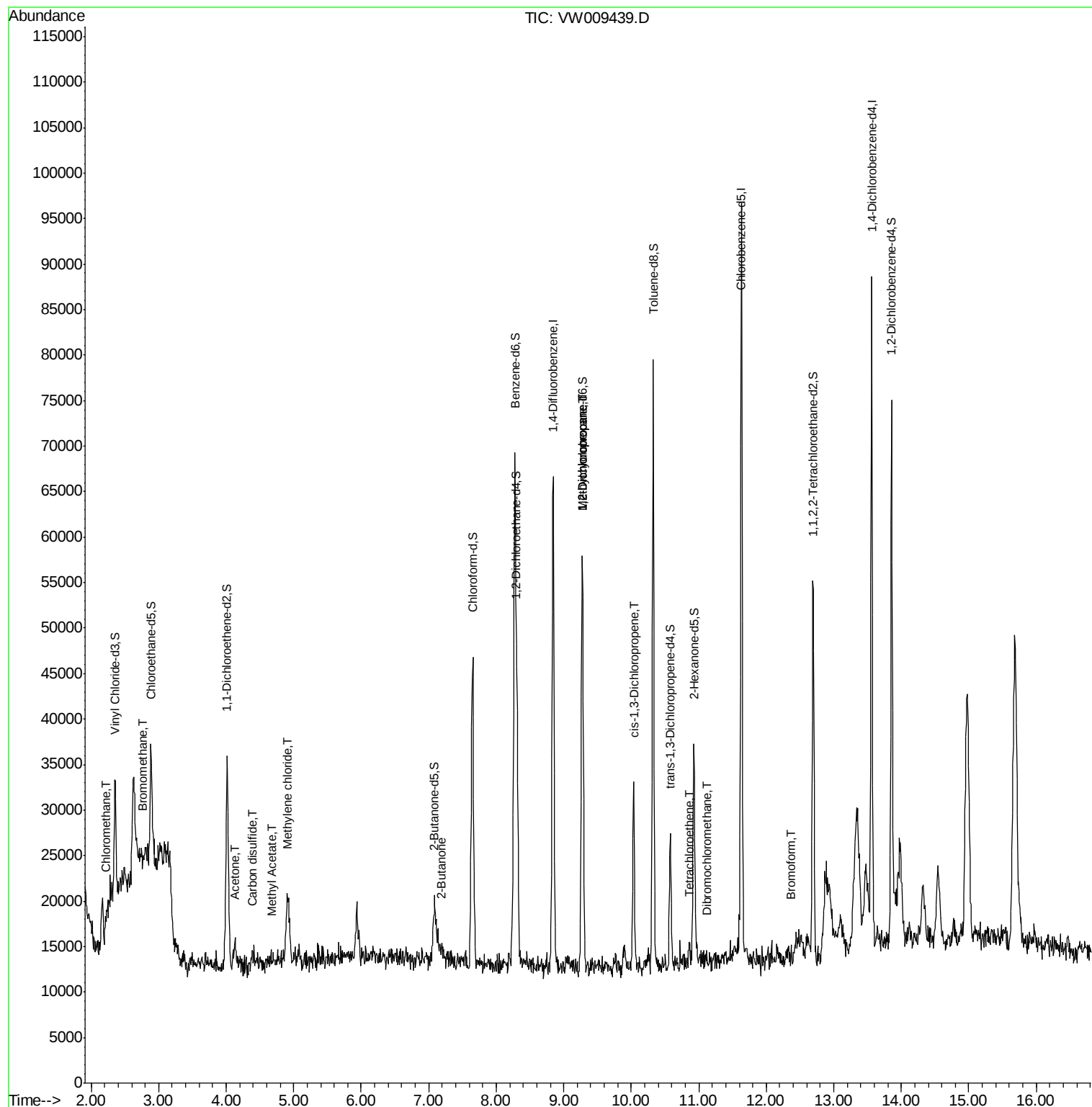
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.21	50	424	0.705	ug/L #	77
6) Bromomethane	2.77	94	162	0.312	ug/L	87
13) Acetone	4.12	43	3296	18.907	ug/L	97
14) Carbon disulfide	4.39	76	459	0.322	ug/L #	75
15) Methyl Acetate	4.68	43	235	0.686	ug/L #	55
16) Methylene chloride	4.91	84	5114	8.153	ug/L	89
21) 2-Butanone	7.19	43	149	0.619	ug/L	83
36) Methylcyclohexane	9.27	83	4603	4.264	ug/L #	17
40) 1,2-Dichloropropane	9.27	63	2408	4.008	ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	544	0.556	ug/L #	68
47) Tetrachloroethene	10.86	164	274	0.520	ug/L #	67
50) Dibromochloromethane	11.13	129	156	0.264	ug/L #	9
62) Bromoform	12.36	173	66	0.217	ug/L #	35

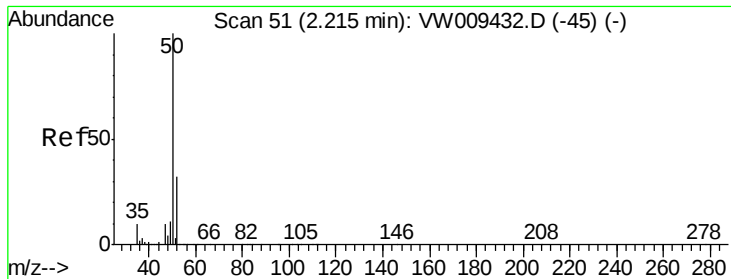
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Mar 26 09:00:24 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.705 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW009439.D

Acq: 25 Mar 2019 20:46

Instrument :

MSVOA_W

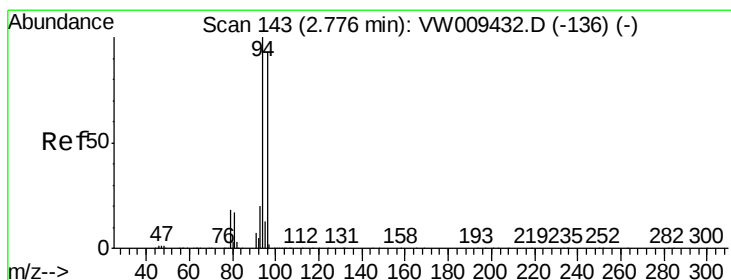
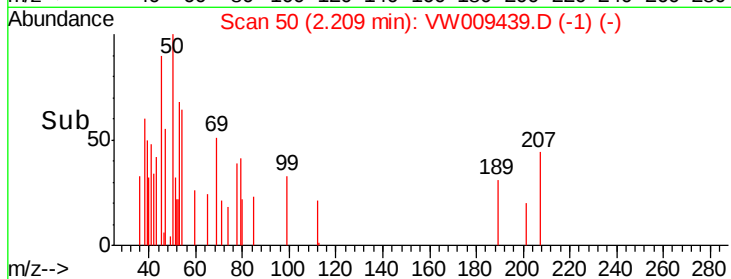
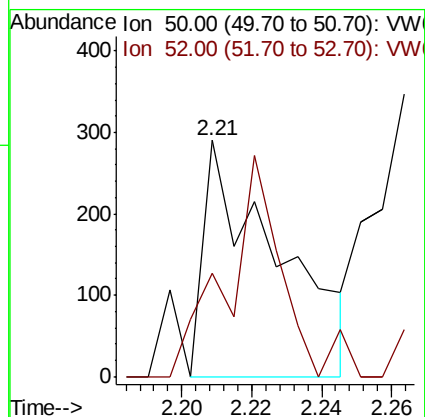
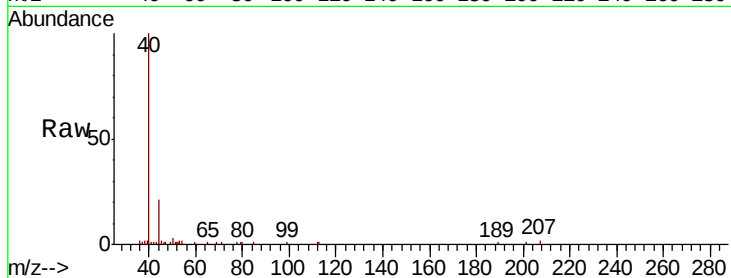
ClientSampleId :

Tot Ion: 50 Resp: 424

Ion Ratio Lower Upper

50 100

52 43.8 21.6 40.2#



#6

Bromomethane

Concen: 0.312 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW009439.D

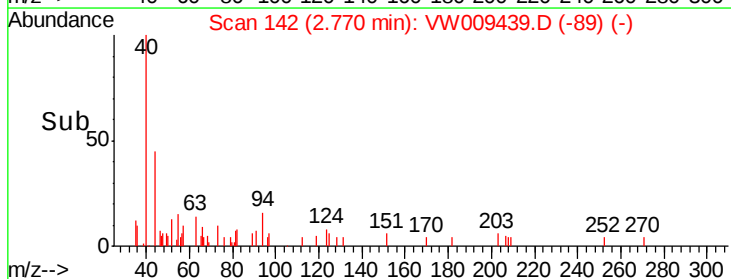
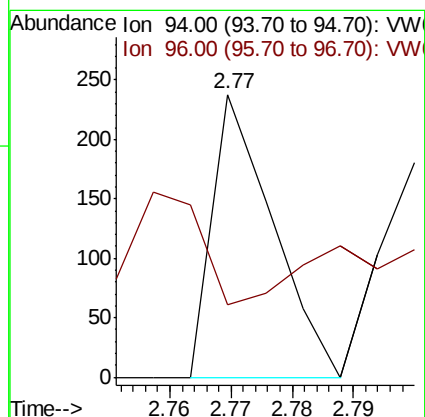
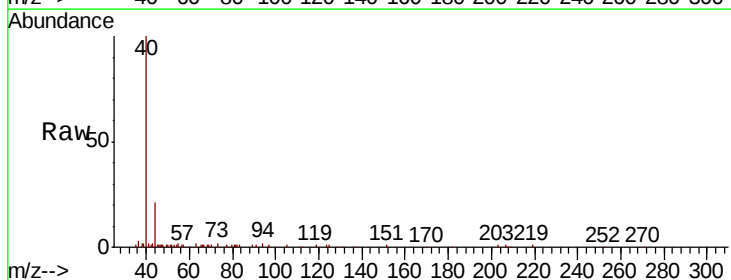
Acq: 25 Mar 2019 20:46

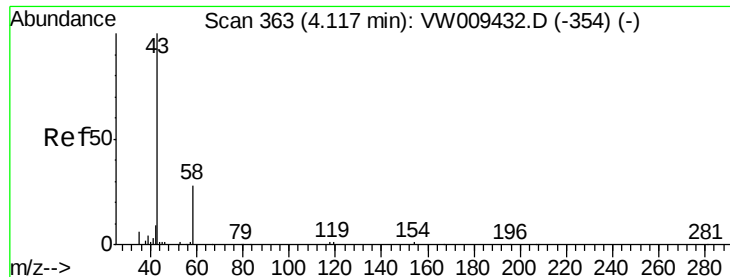
Tgt Ion: 94 Resp: 162

Ion Ratio Lower Upper

94 100

96 81.5 9.4 178.4





#13

Acetone

Concen: 18.907 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009439.D

Acq: 25 Mar 2019 20:46

Instrument :

MSVOA_W

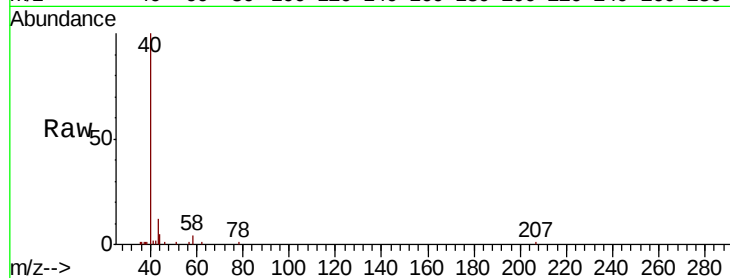
ClientSampled :

Tot Ion: 43 Resp: 3296

Ion Ratio Lower Upper

43 100

58 29.9 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

1500

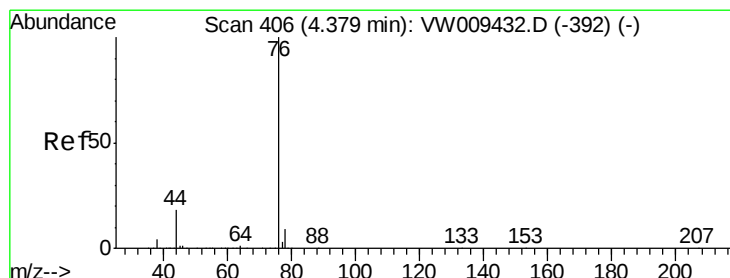
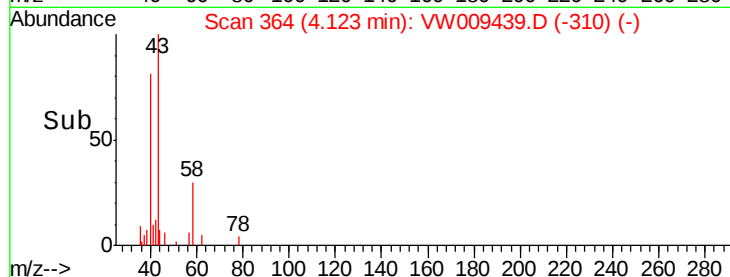
1000

500

0

Time-->

4.05 4.10 4.15



#14

Carbon disulfide

Concen: 0.322 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW009439.D

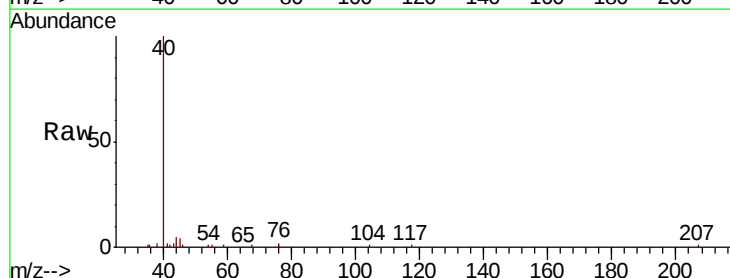
Acq: 25 Mar 2019 20:46

Tgt Ion: 76 Resp: 459

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

300

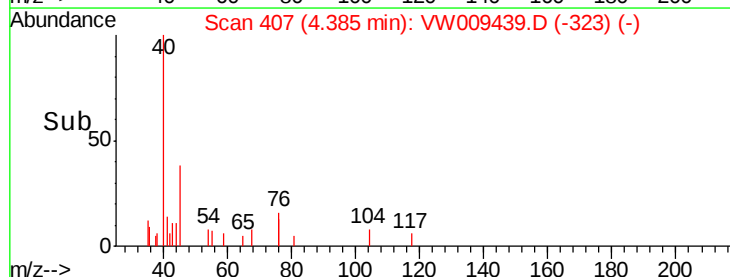
200

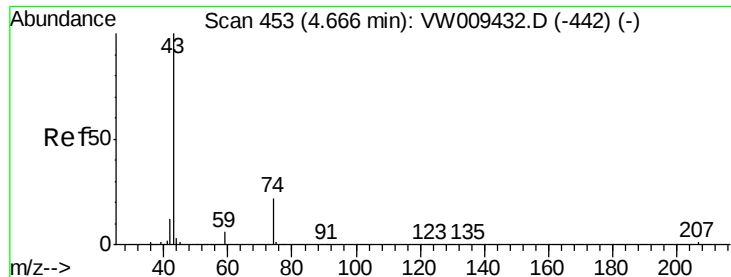
100

0

Time-->

4.34 4.36 4.38 4.40





#15

Methyl Acetate

Concen: 0.686 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW009439.D

Acq: 25 Mar 2019 20:46

Instrument :

MSVOA_W

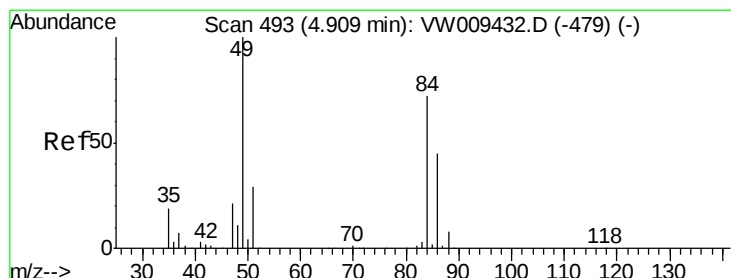
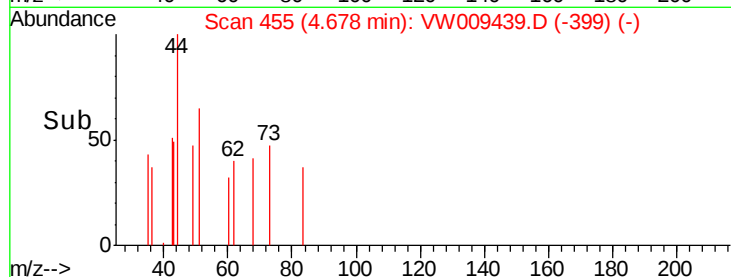
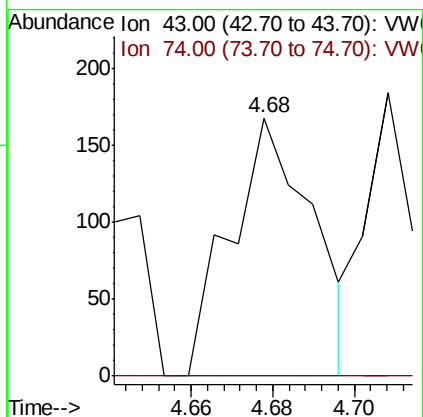
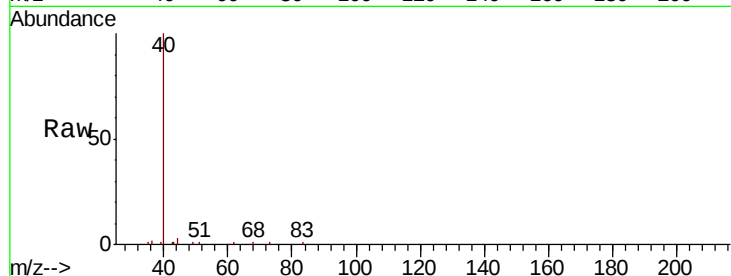
ClientSampled :

Tot Ion: 43 Resp: 235

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#16

Methylene chloride

Concen: 8.153 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009439.D

Acq: 25 Mar 2019 20:46

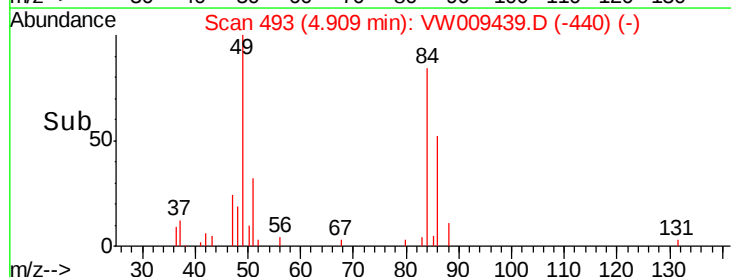
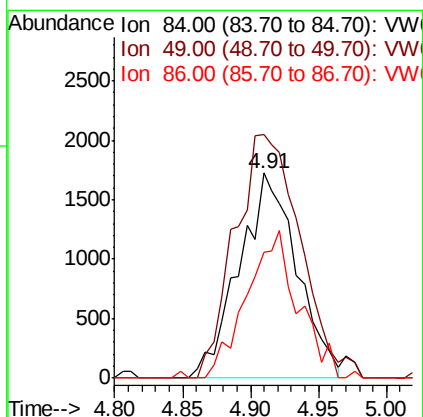
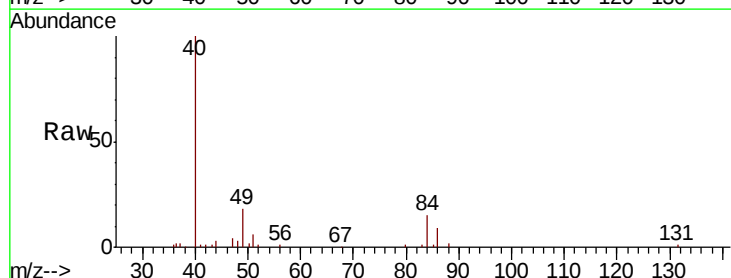
Tgt Ion: 84 Resp: 5114

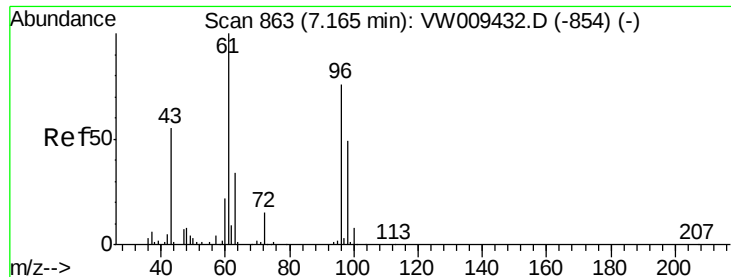
Ion Ratio Lower Upper

84 100

49 118.9 96.0 178.2

86 61.3 44.4 82.5





#21

2-Butanone

Concen: 0.619 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW009439.D

Acq: 25 Mar 2019 20:46

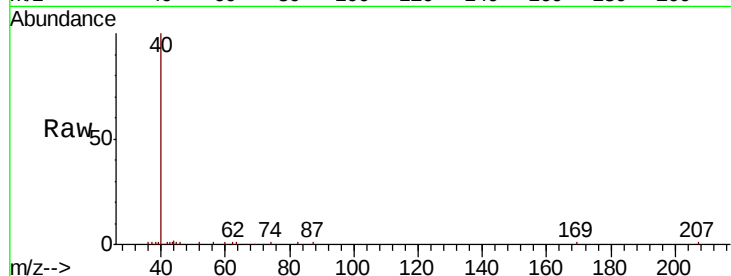
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 149

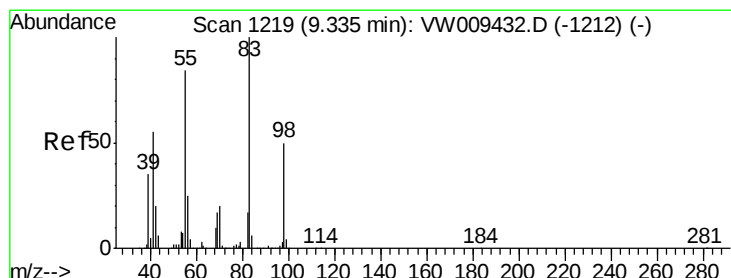
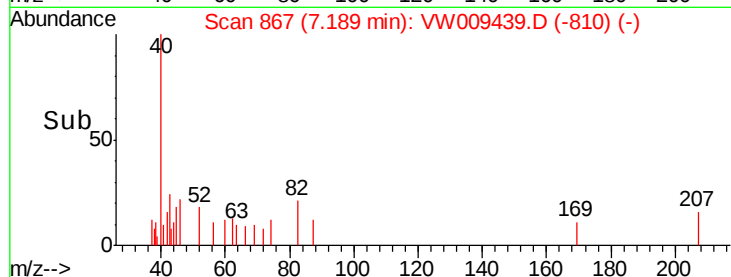
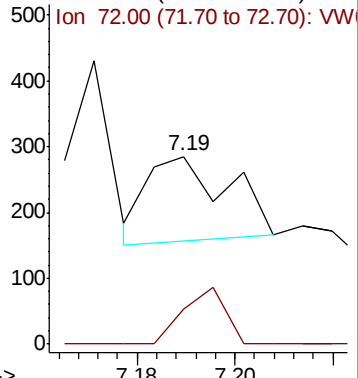
Ion Ratio Lower Upper

43 100

72 34.9 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#36

Methylcyclohexane

Concen: 4.264 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.05 min

Lab File: VW009439.D

Acq: 25 Mar 2019 20:46

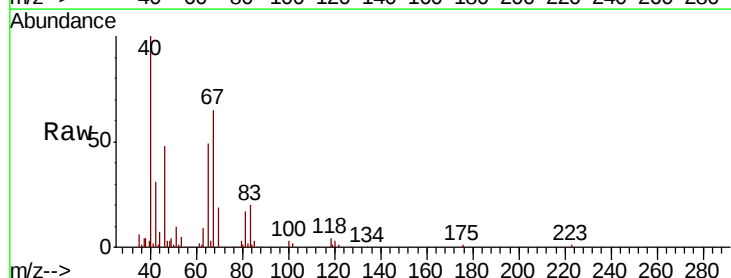
Tgt Ion: 83 Resp: 4603

Ion Ratio Lower Upper

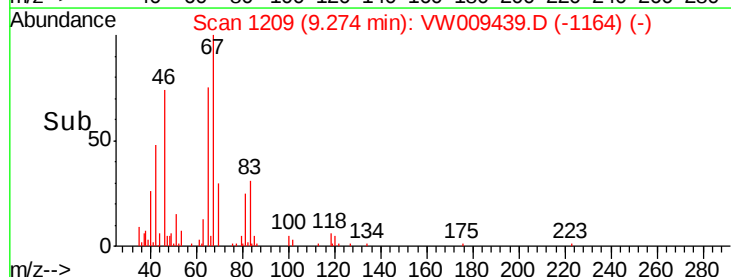
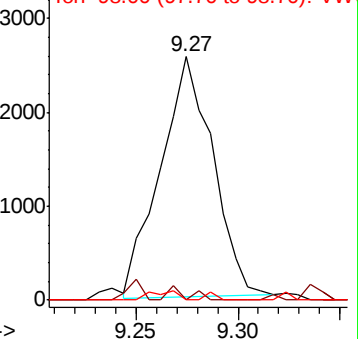
83 100

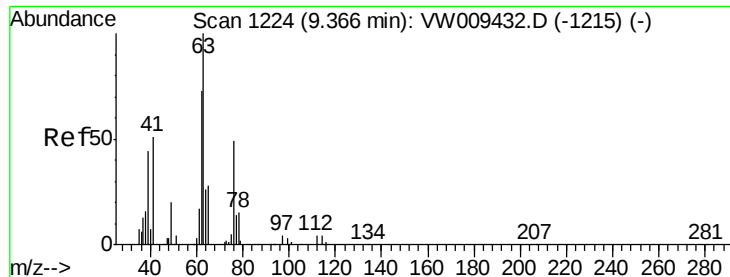
55 0.8 63.5 95.3#

98 0.0 39.8 59.8#



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





#40

1,2-Dichloropropane

Concen: 4.008 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW009439.D

Acq: 25 Mar 2019 20:46

Instrument :

MSVOA_W

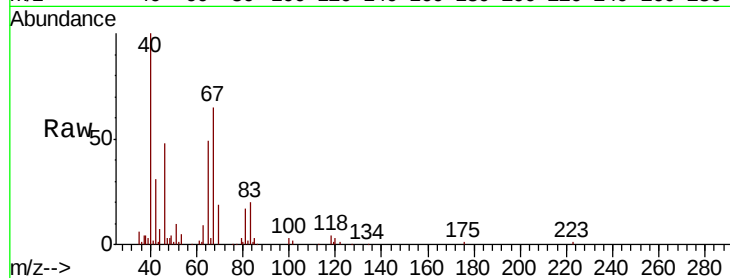
ClientSampled :

Tot Ion: 63 Resp: 2408

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW

9.27

1200

1000

800

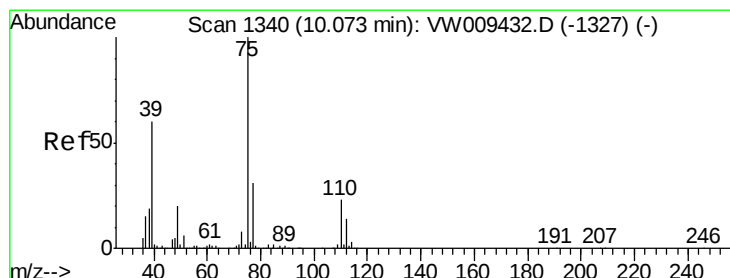
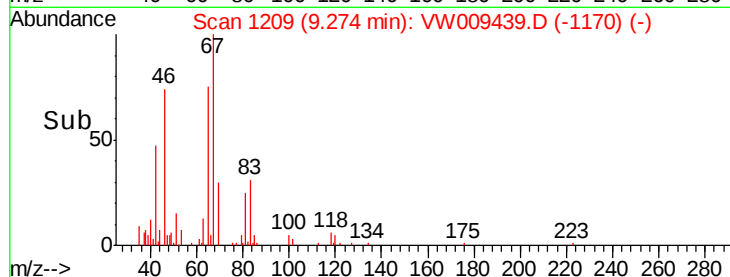
600

400

200

0

Time--> 9.20 9.25 9.30



#42

cis-1,3-Dichloropropene

Concen: 0.556 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW009439.D

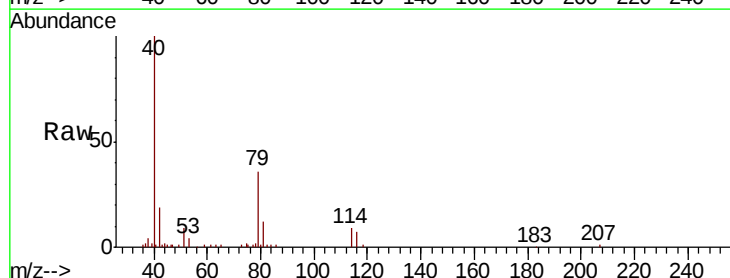
Acq: 25 Mar 2019 20:46

Tgt Ion: 75 Resp: 544

Ion Ratio Lower Upper

75 100

77 48.2 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

400

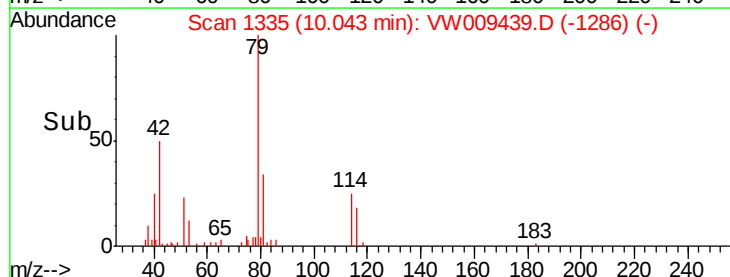
300

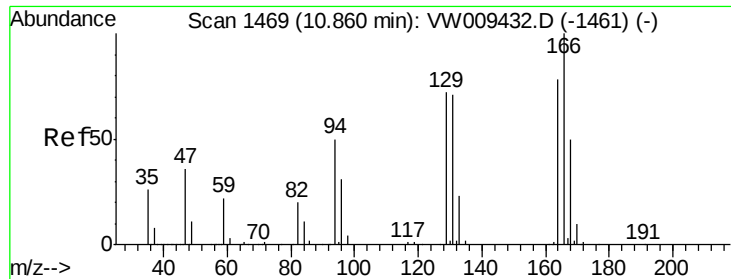
200

100

0

Time--> 10.00 10.05





#47

Tetrachloroethene

Concen: 0.520 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009439.D

Acq: 25 Mar 2019 20:46

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:164 Resp: 274

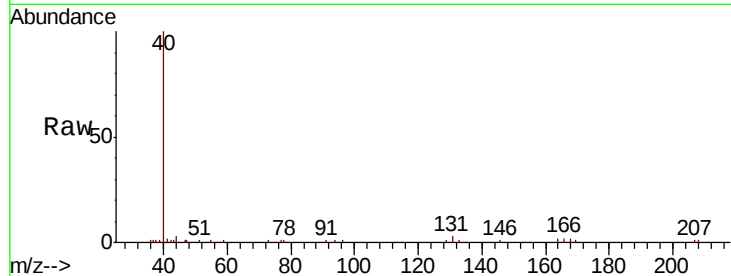
Ion Ratio Lower Upper

164 100

129 47.9 66.5 123.5#

131 116.5 62.6 116.3#

166 101.9 91.6 170.0

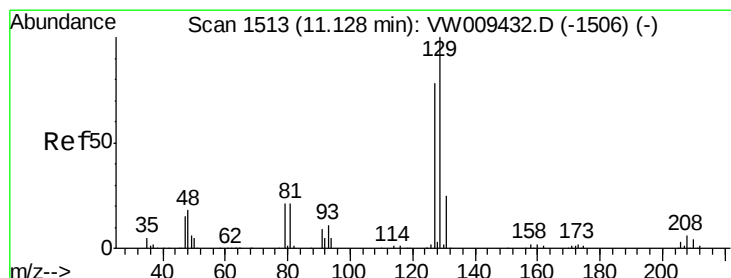
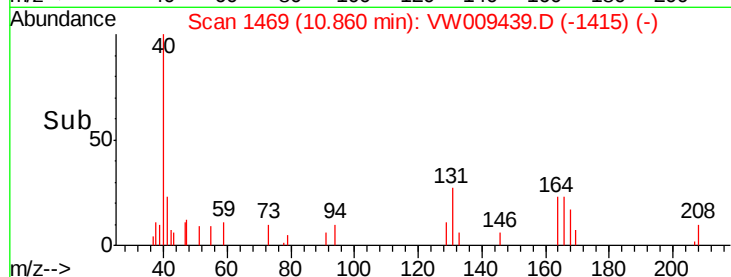
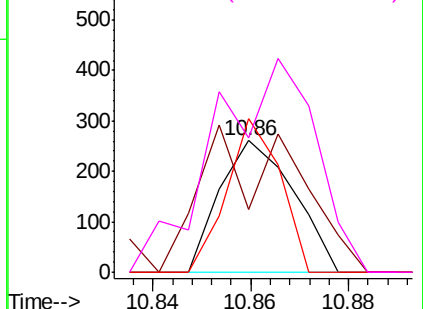


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#50

Dibromochloromethane

Concen: 0.264 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW009439.D

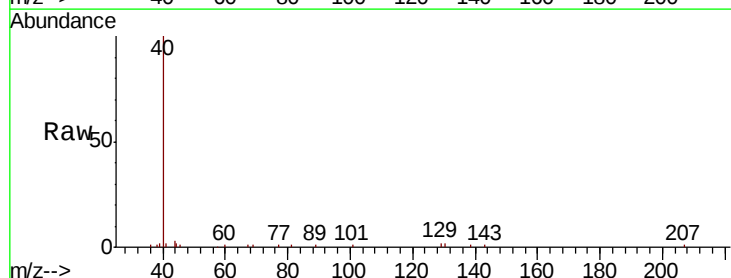
Acq: 25 Mar 2019 20:46

Tgt Ion:129 Resp: 156

Ion Ratio Lower Upper

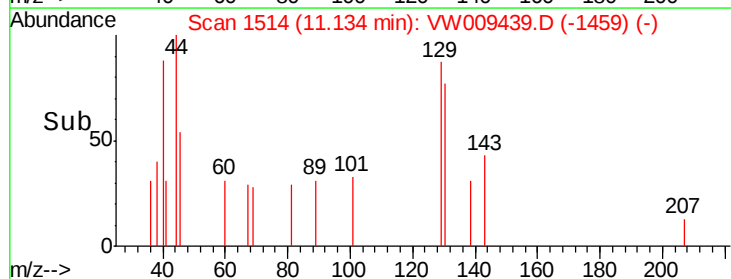
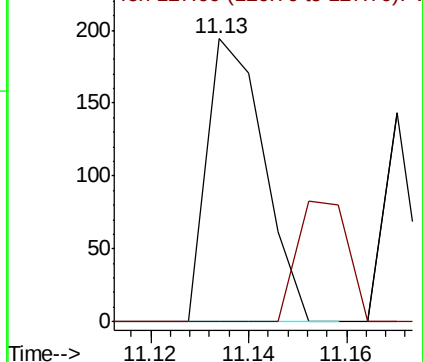
129 100

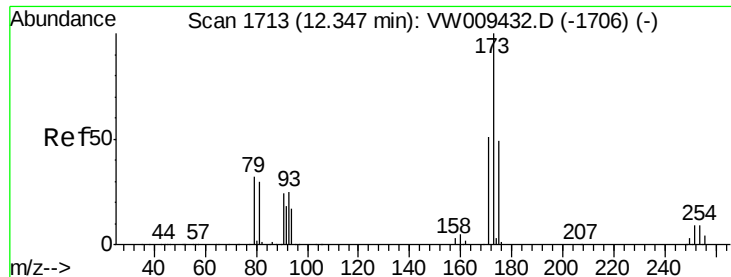
127 0.0 56.8 105.6#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#62

Bromoform

Concen: 0.217 ug/L

RT: 12.36 min Scan# 1715

Delta R.T. 0.01 min

Lab File: VW009439.D

Acq: 25 Mar 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:173 Resp: 66

Ion Ratio Lower Upper

173 100

175 0.0 39.7 59.5#

254 0.0 8.5 12.7#

