

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\
 Data File : VW009485.D
 Acq On : 27 Mar 2019 01:27
 Operator : SY/VA
 Sample : K2068-05
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 27 08:08:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 08:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	284108	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	248931	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	99615	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	65544	19.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.24%
7) Chloroethane-d5	2.89	69	74274	18.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.80%
10) 1,1-Dichloroethene-d2	4.01	63	110681	15.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.32%
20) 2-Butanone-d5	7.08	46	40286	28.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	57.38%
24) Chloroform-d	7.65	84	184285	23.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.08%
26) 1,2-Dichloroethane-d4	8.30	65	118057	25.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.12%
29) Benzene-d6	8.27	84	315340	22.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.88%
33) 1,2-Dichloropropane-d6	9.27	67	105907	25.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.72%
37) Toluene-d8	10.32	98	247865	19.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.12%
38) trans-1,3-Dichloropropene-	10.57	79	32079	15.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	61.96%
39) 2-Hexanone-d5	10.93	63	29020	29.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	114874	28.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	83861	21.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.80%

Target Compounds

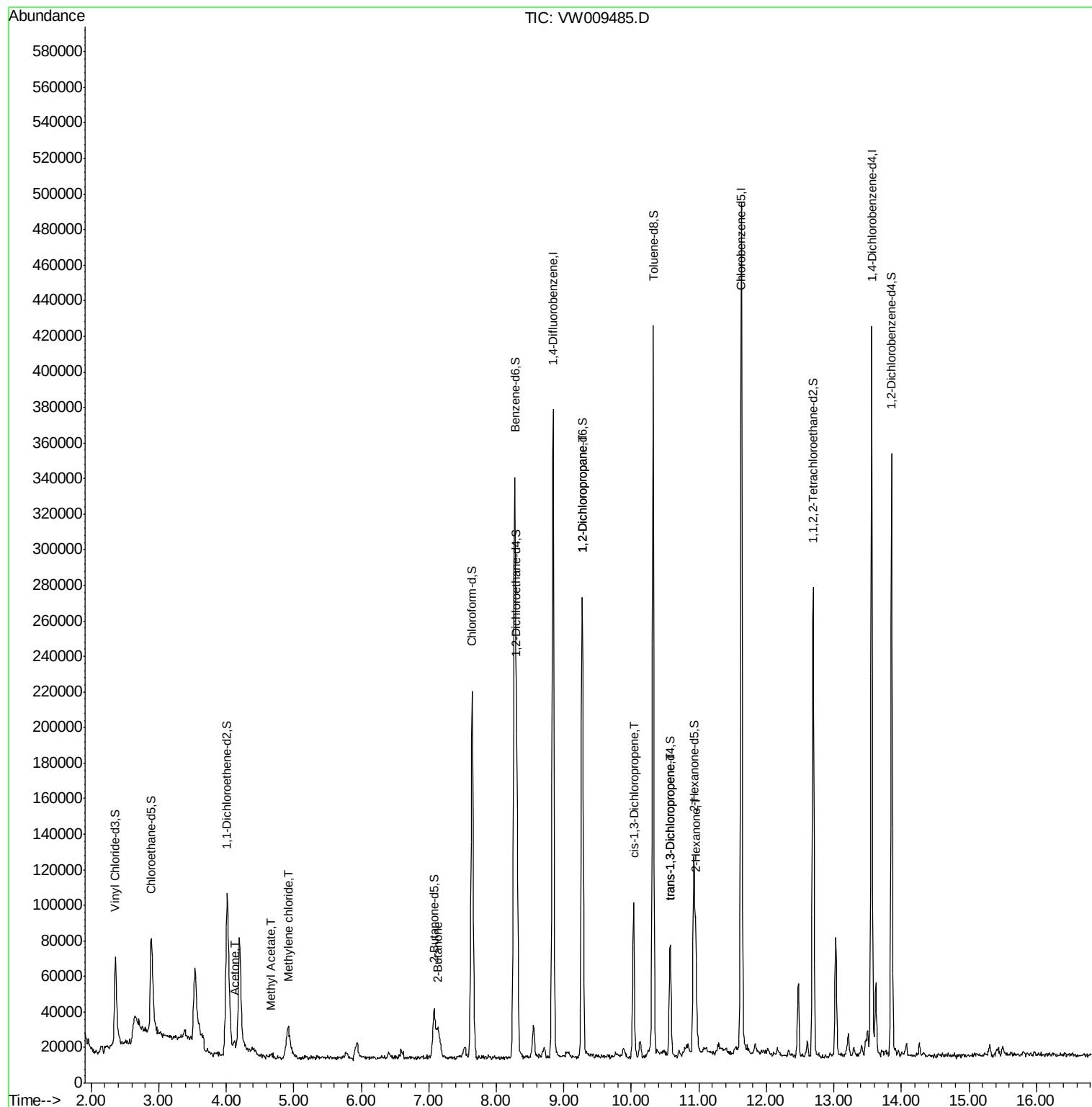
					Ovalue
13) Acetone	4.12	43	12190	10.587	ug/L 75
15) Methyl Acetate	4.66	43	1448	0.640	ug/L 92
16) Methylene chloride	4.92	84	4817	1.163	ug/L 98
21) 2-Butanone	7.13	43	12961	8.152	ug/L # 61
40) 1,2-Dichloropropane	9.27	63	13351	3.819	ug/L # 87
42) cis-1,3-Dichloropropene	10.04	75	2542	0.446	ug/L # 66
45) trans-1,3-Dichloropropene	10.57	75	1824	0.368	ug/L # 58
49) 2-Hexanone	10.96	43	43866	19.659	ug/L # 51

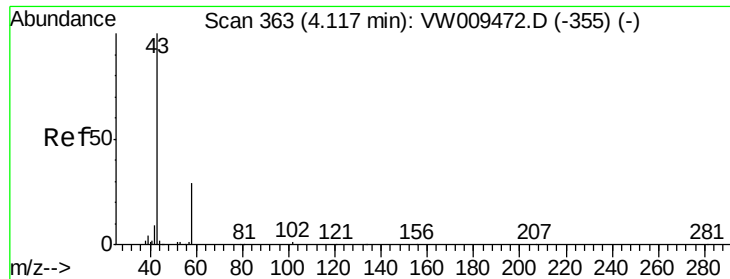
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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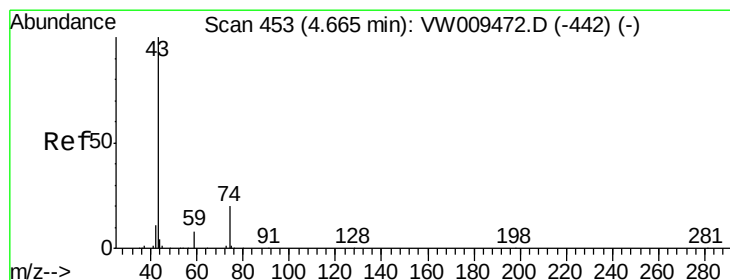
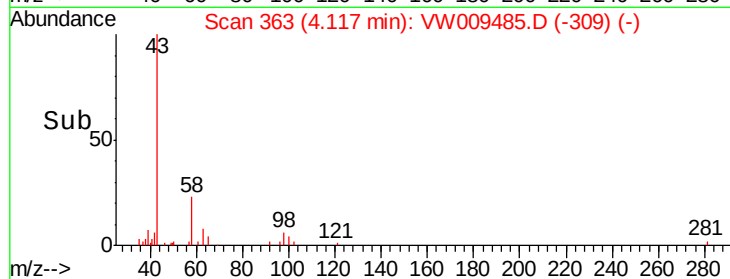
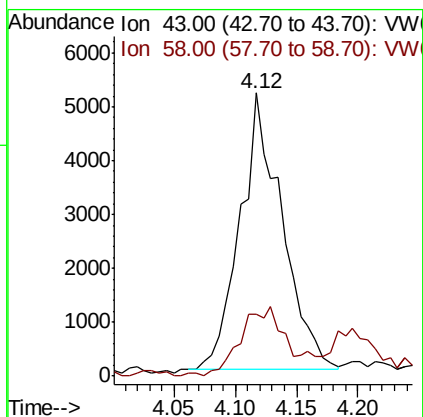
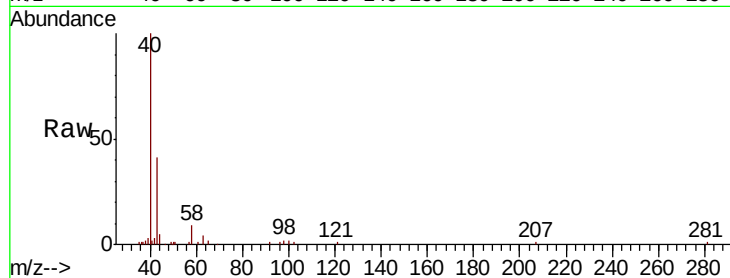




#13
Acetone
Concen: 10.587 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW009485.D
Acq: 27 Mar 2019 01:27

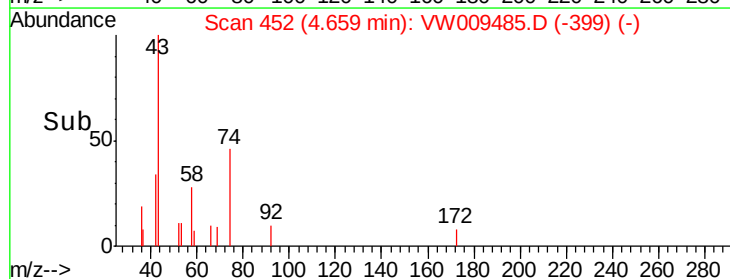
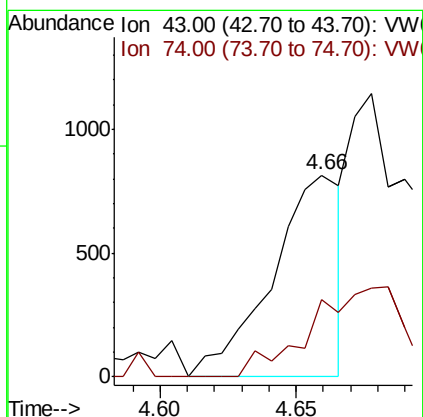
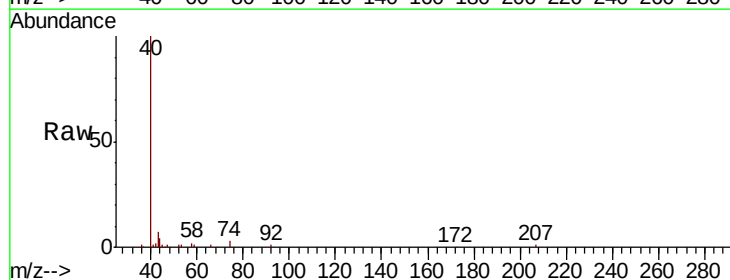
Instrument :
MSVOA_W
ClientSampleId :

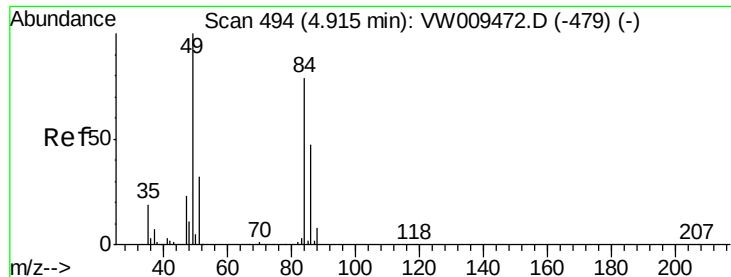
Tot Ion: 43 Resp: 12190
Ion Ratio Lower Upper
43 100
58 15.2 0.0 56.2



#15
Methyl Acetate
Concen: 0.640 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW009485.D
Acq: 27 Mar 2019 01:27

Tgt Ion: 43 Resp: 1448
Ion Ratio Lower Upper
43 100
74 24.8 16.7 25.1

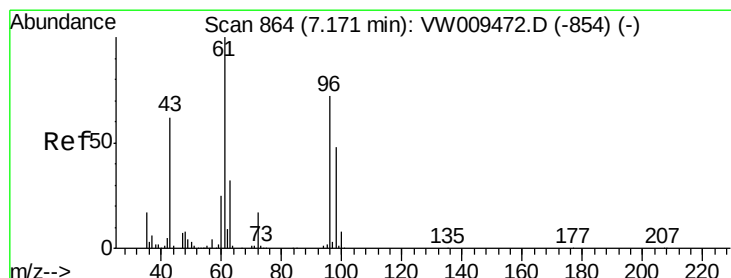
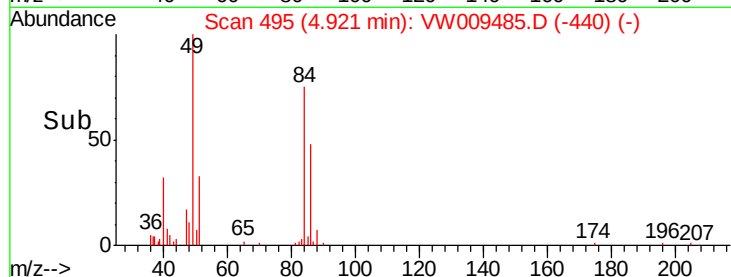
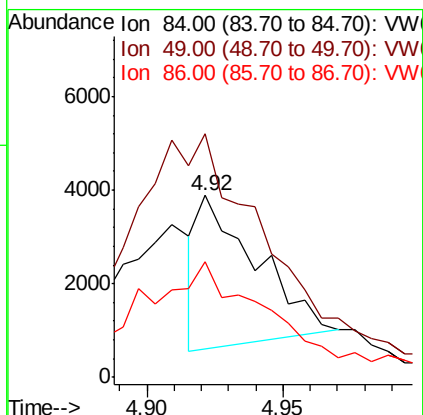
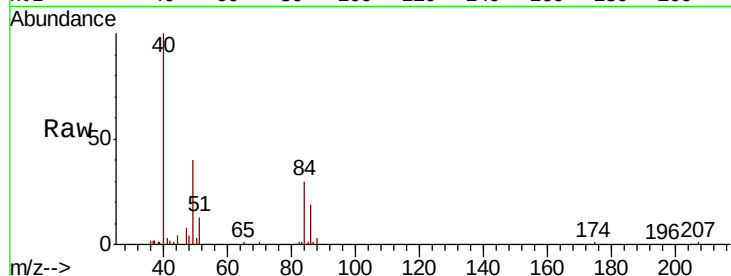




#16
Methylene chloride
Concen: 1.163 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009485.D
Acq: 27 Mar 2019 01:27

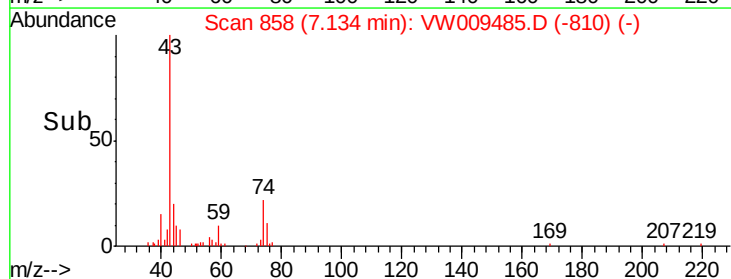
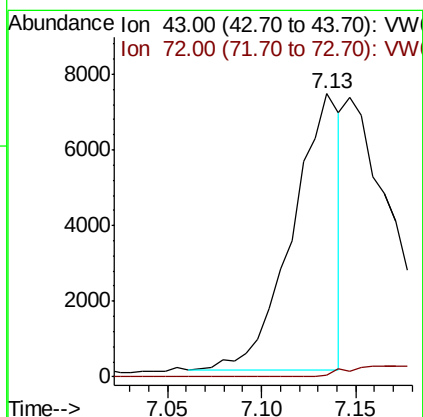
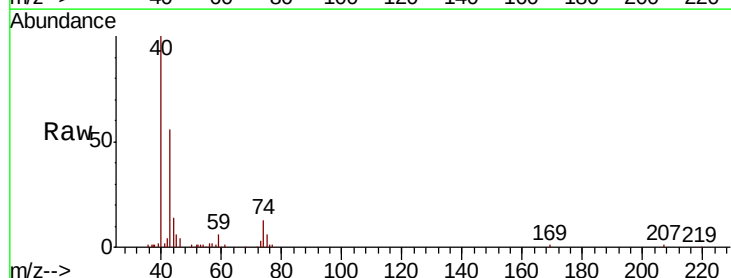
Instrument :
MSVOA_W
ClientSampled :

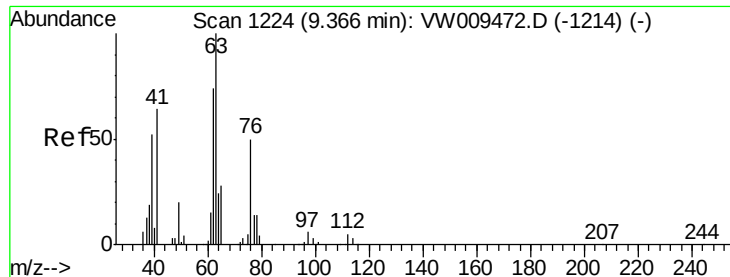
Tot Ion: 84 Resp: 4817
Ion Ratio Lower Upper
84 100
49 133.8 96.0 178.2
86 63.7 44.4 82.5



#21
2-Butanone
Concen: 8.152 ug/L
RT: 7.13 min Scan# 858
Delta R.T. -0.04 min
Lab File: VW009485.D
Acq: 27 Mar 2019 01:27

Tgt Ion: 43 Resp: 12961
Ion Ratio Lower Upper
43 100
72 6.3 13.1 39.1#





#40

1,2-Dichloropropane

Concen: 3.819 ug/L

RT: 9.27 min Scan# 1208

Delta R.T. -0.10 min

Lab File: VW009485.D

Acq: 27 Mar 2019 01:27

Instrument :

MSVOA_W

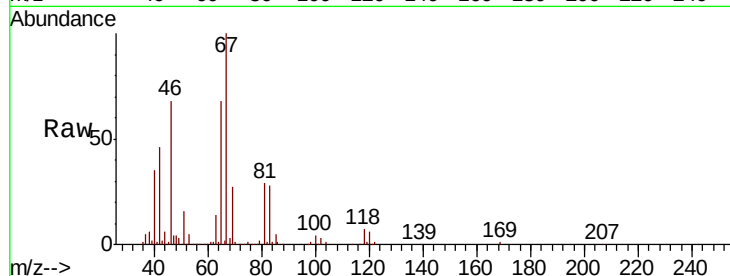
ClientSampleId :

Tot Ion: 63 Resp: 13351

Ion Ratio Lower Upper

63 100

112 0.6 4.0 6.0#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW

8000

6000

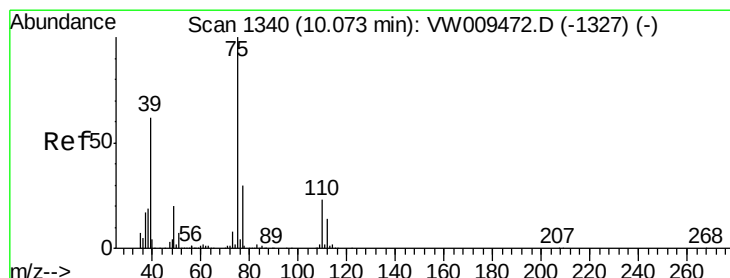
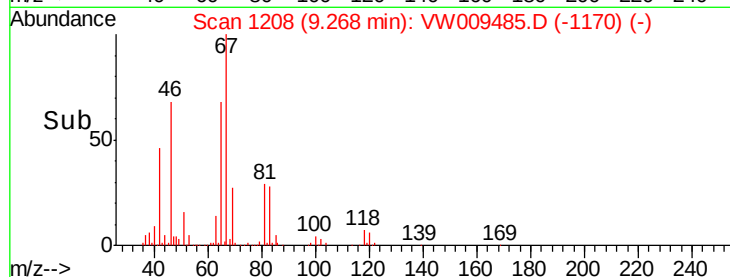
4000

2000

0

9.20 9.25 9.30 9.35

Time-->



#42

cis-1,3-Dichloropropene

Concen: 0.446 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009485.D

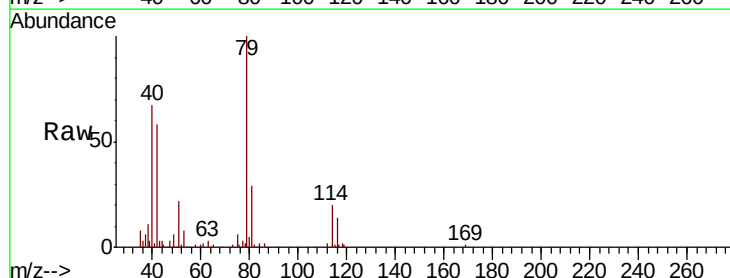
Acq: 27 Mar 2019 01:27

Tgt Ion: 75 Resp: 2542

Ion Ratio Lower Upper

75 100

77 49.7 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

1500

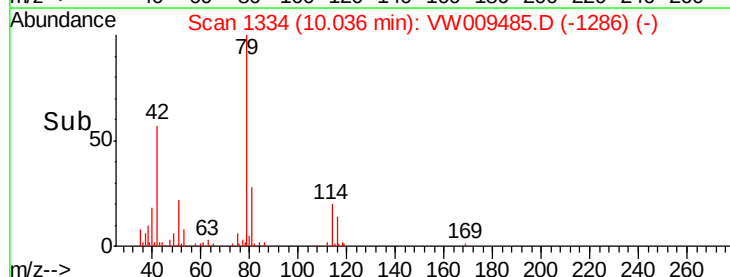
1000

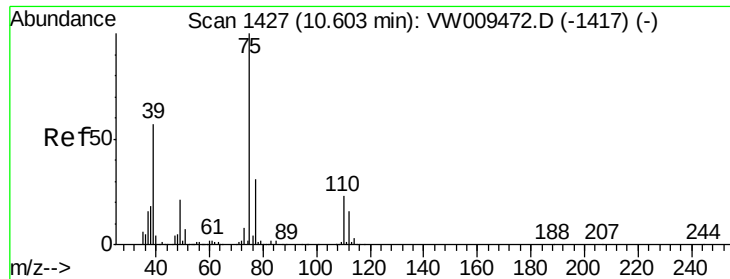
500

0

10.00 10.05

Time-->





#45

trans-1,3-Dichloropropene

Concen: 0.368 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009485.D

Acq: 27 Mar 2019 01:27

Instrument :

MSVOA_W

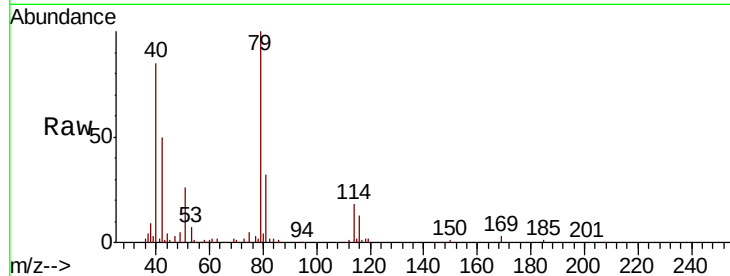
ClientSampled :

Tot Ion: 75 Resp: 1824

Ion Ratio Lower Upper

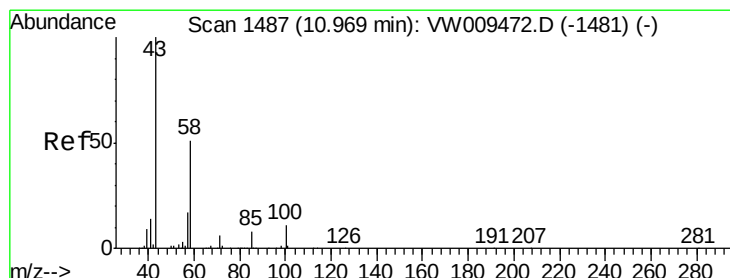
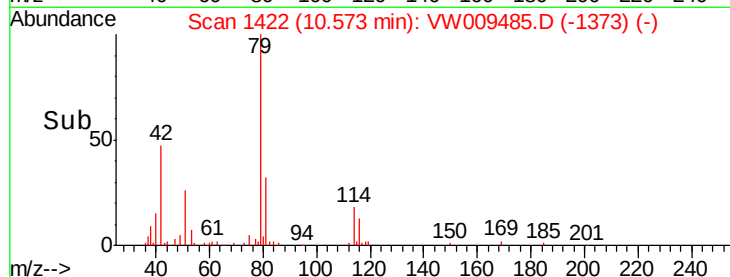
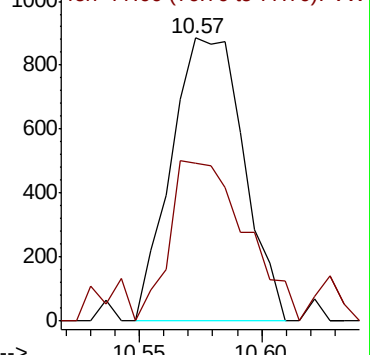
75 100

77 55.6 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#49

2-Hexanone

Concen: 19.659 ug/L

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW009485.D

Acq: 27 Mar 2019 01:27

Tgt Ion: 43 Resp: 43866

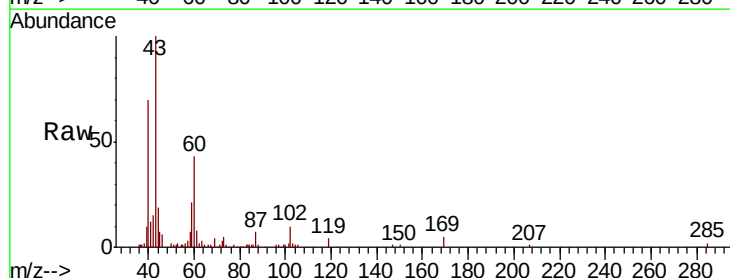
Ion Ratio Lower Upper

43 100

58 7.2 39.2 58.8#

57 4.4 14.2 21.2#

100 2.1 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

