

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009441.D
 Acq On : 25 Mar 2019 21:40
 Operator : SY/VA
 Sample : K2044-07
 Misc : 5.95G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 26 09:05:51 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	326823	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	267461	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	82884	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	76805	19.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.68%
7) Chloroethane-d5	2.89	69	93085	20.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.48%
10) 1,1-Dichloroethene-d2	4.01	63	125131	14.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.28%
20) 2-Butanone-d5	7.08	46	88563	54.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.66%
24) Chloroform-d	7.64	84	219689	24.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.52%
26) 1,2-Dichloroethane-d4	8.31	65	139225	25.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.64%
29) Benzene-d6	8.27	84	369760	25.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.28%
33) 1,2-Dichloropropane-d6	9.27	67	131505	29.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	118.72%
37) Toluene-d8	10.32	98	292000	21.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.64%
38) trans-1,3-Dichloropropene-	10.57	79	44541	20.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.08%
39) 2-Hexanone-d5	10.93	63	61017	56.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128384	29.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	82057	25.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.28%

Target Compounds

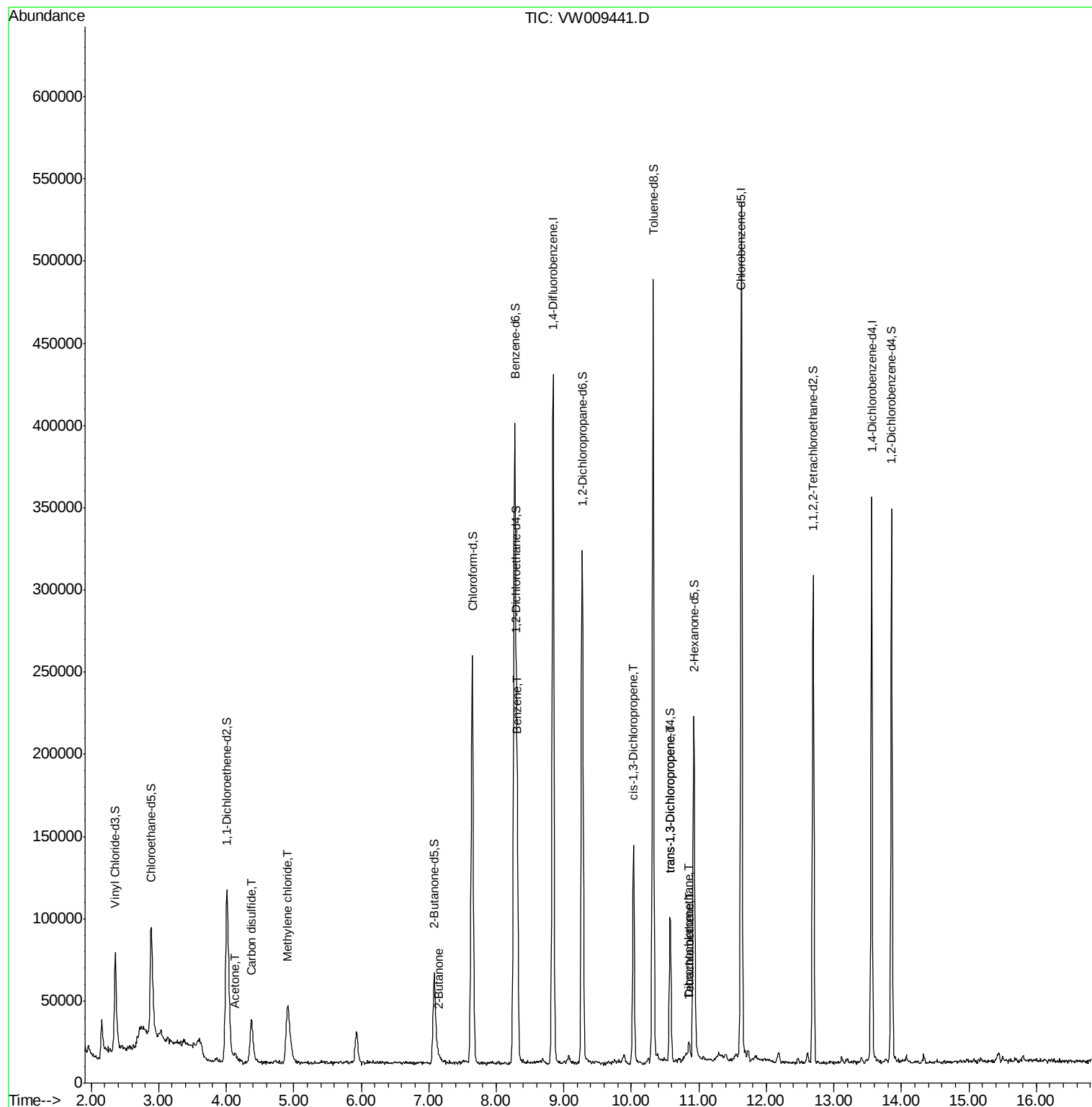
					Ovalue
13) Acetone	4.14	43	7286	5.501 ug/L	79
14) Carbon disulfide	4.37	76	61522	5.680 ug/L	98
16) Methylene chloride	4.90	84	29936	6.281 ug/L	91
21) 2-Butanone	7.16	43	2204	1.205 ug/L #	53
34) Benzene	8.32	78	8134	0.556 ug/L	100
42) cis-1,3-Dichloropropene	10.03	75	3690	0.603 ug/L #	56
45) trans-1,3-Dichloropropene	10.57	75	2648	0.498 ug/L	88
47) Tetrachloroethene	10.87	164	1515	0.460 ug/L	91
50) Dibromochloromethane	10.86	129	1698	0.459 ug/L #	9

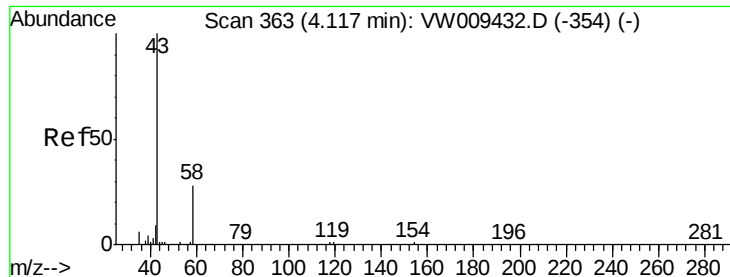
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 26 09:00:24 2019
Response via : Initial Calibration





#13

Acetone

Concen: 5.501 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW009441.D

Acq: 25 Mar 2019 21:40

Instrument :

MSVOA_W

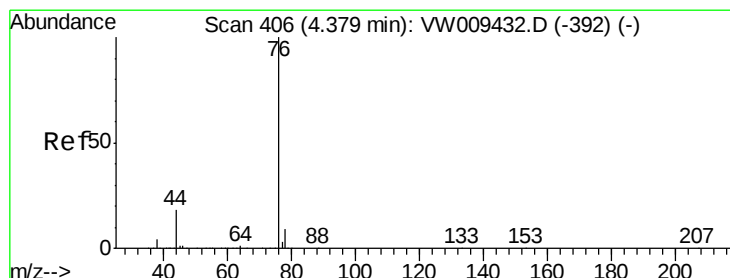
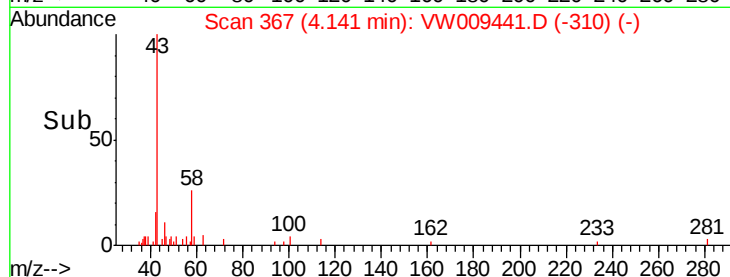
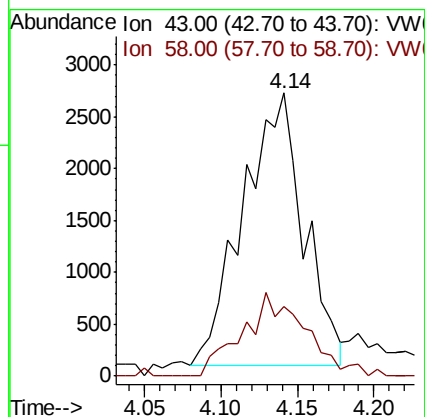
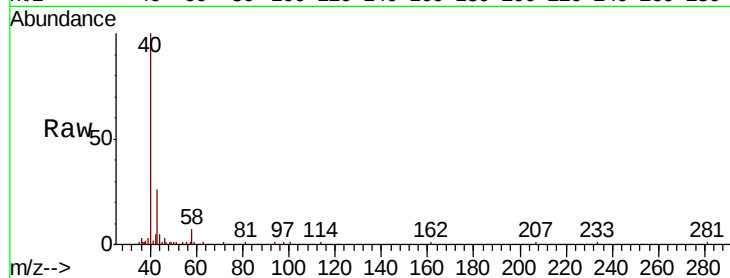
ClientSampled :

Tot Ion: 43 Resp: 7286

Ion Ratio Lower Upper

43 100 0.0 56.2

58 17.0 0.0 56.2



#14

Carbon disulfide

Concen: 5.680 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW009441.D

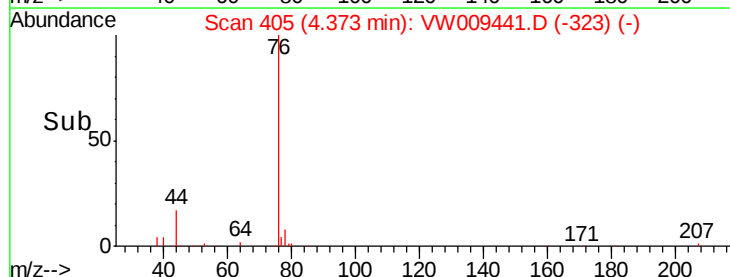
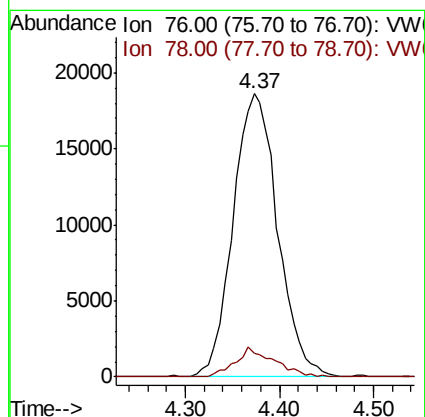
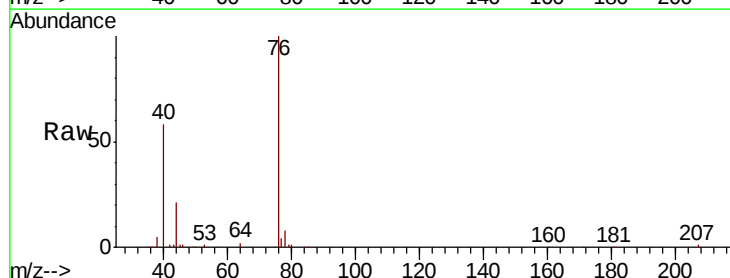
Acq: 25 Mar 2019 21:40

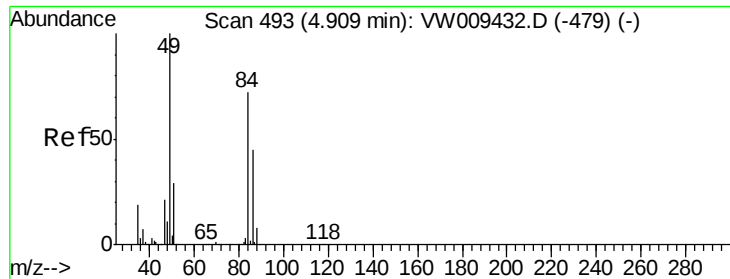
Tgt Ion: 76 Resp: 61522

Ion Ratio Lower Upper

76 100 7.3 10.9

78 8.2 7.3 10.9

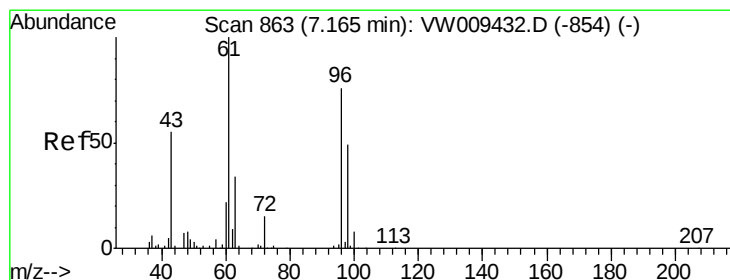
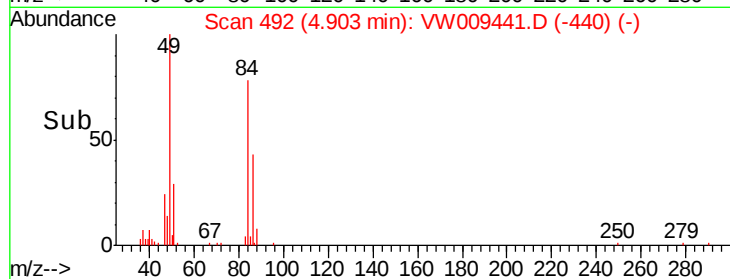
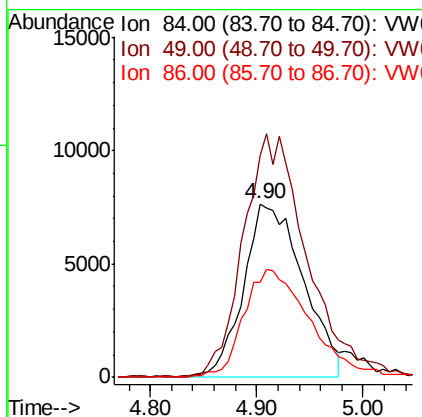
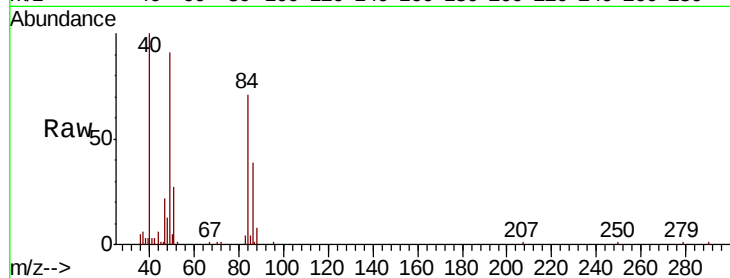




#16
Methvlene chloride
Concen: 6.281 ug/L
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW009441.D
Acq: 25 Mar 2019 21:40

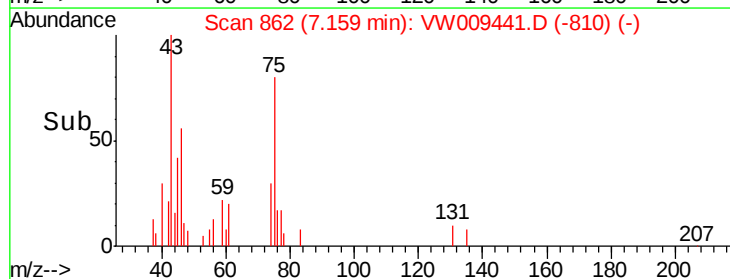
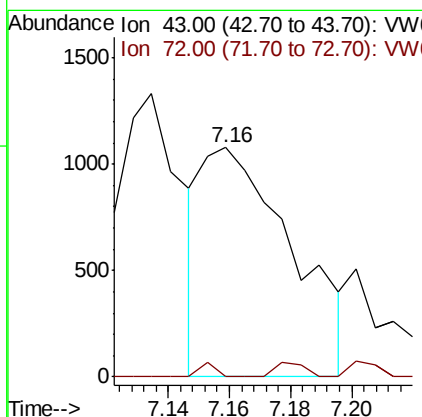
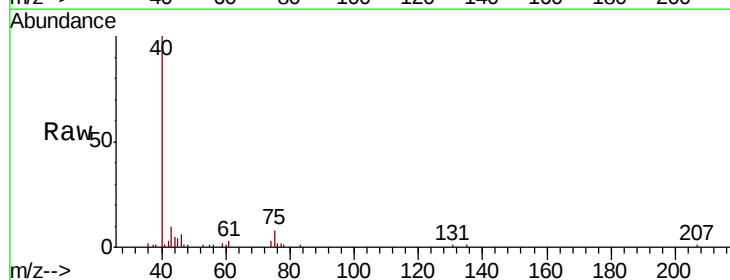
Instrument :
MSVOA_W
ClientSampled :

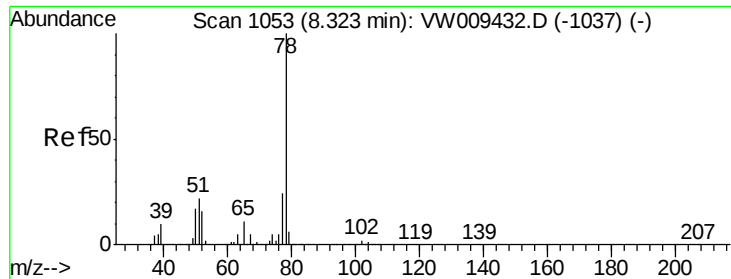
Tot Ion: 84 Resp: 29936
Ion Ratio Lower Upper
84 100
49 127.8 96.0 178.2
86 55.2 44.4 82.5



#21
2-Butanone
Concen: 1.205 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009441.D
Acq: 25 Mar 2019 21:40

Tgt Ion: 43 Resp: 2204
Ion Ratio Lower Upper
43 100
72 2.1 13.1 39.1#





#34

Benzene

Concen: 0.556 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW009441.D

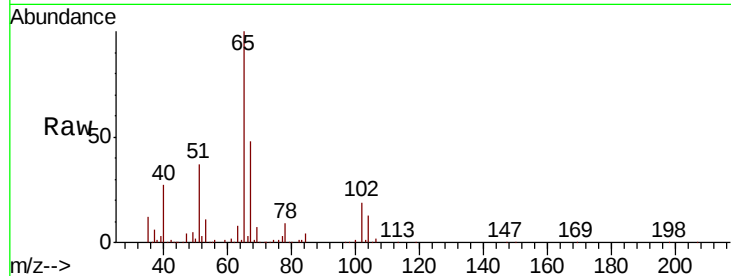
Acq: 25 Mar 2019 21:40

Instrument :

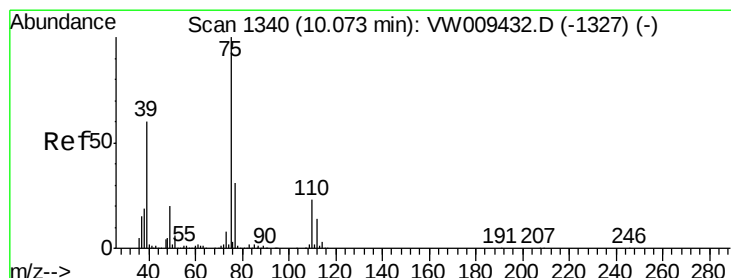
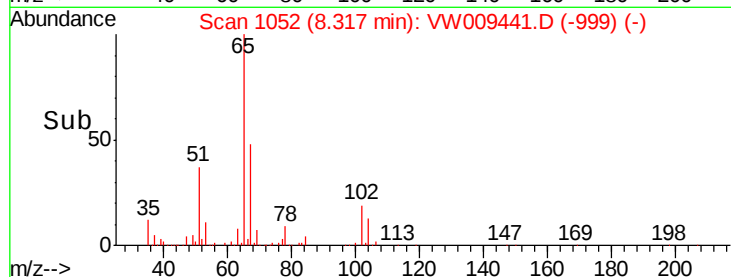
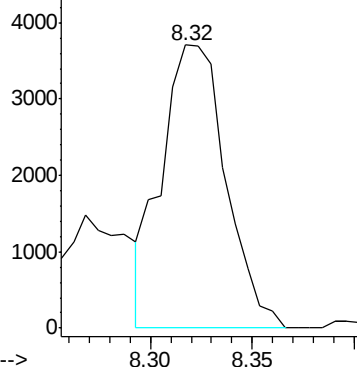
MSVOA_W

ClientSampled :

Tgt Ion: 78 Resp: 8134



Abundance Ion 78.00 (77.70 to 78.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.603 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW009441.D

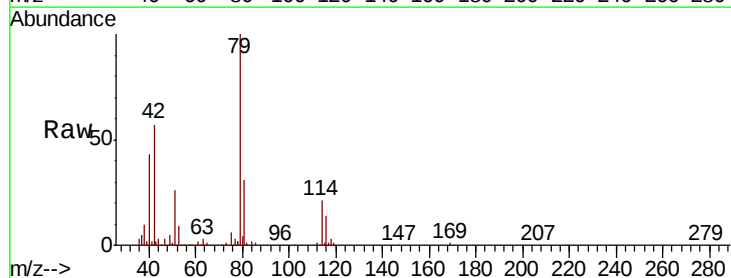
Acq: 25 Mar 2019 21:40

Tgt Ion: 75 Resp: 3690

Ion Ratio Lower Upper

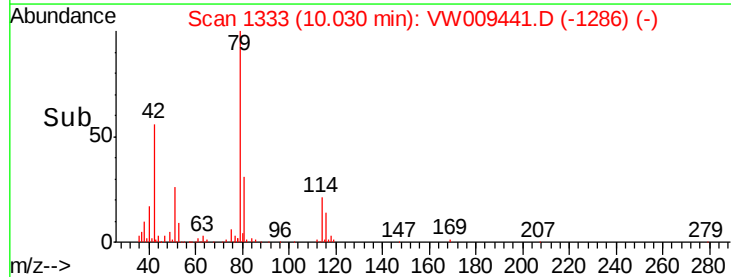
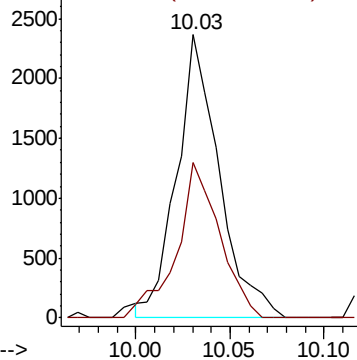
75 100

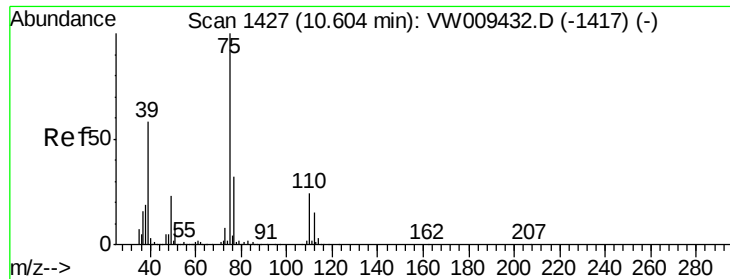
77 54.9 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.498 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009441.D

Acq: 25 Mar 2019 21:40

Instrument :

MSVOA_W

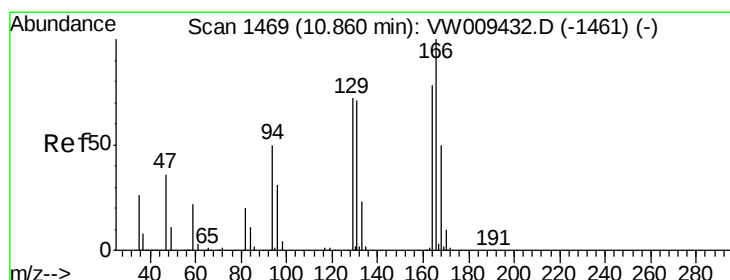
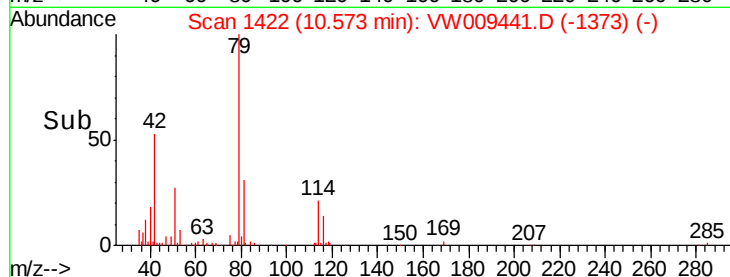
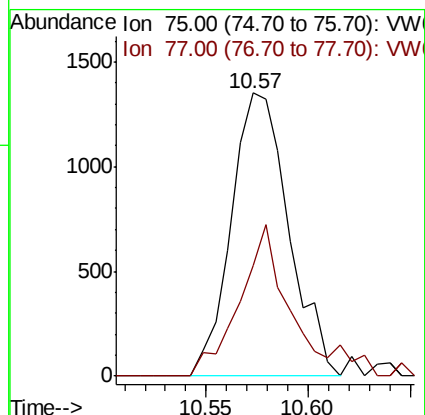
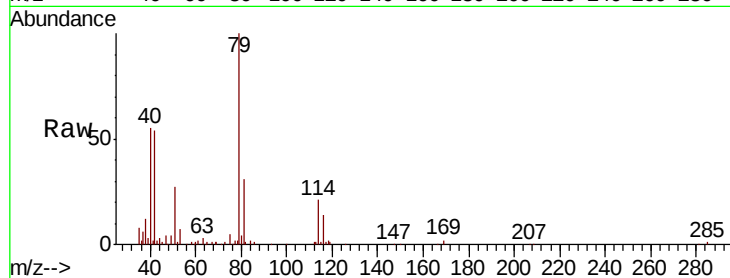
ClientSampleId :

Tot Ion: 75 Resp: 2648

Ion Ratio Lower Upper

75 100

77 38.9 22.5 41.7



#47

Tetrachloroethene

Concen: 0.460 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW009441.D

Acq: 25 Mar 2019 21:40

Tgt Ion: 164 Resp: 1515

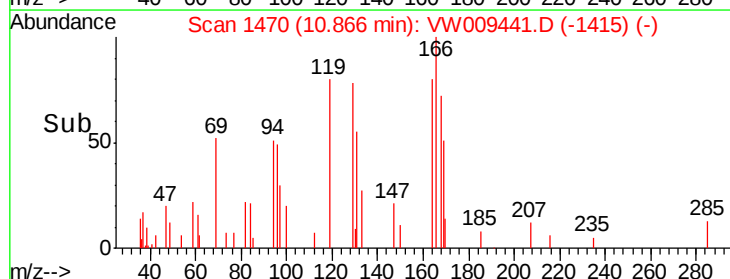
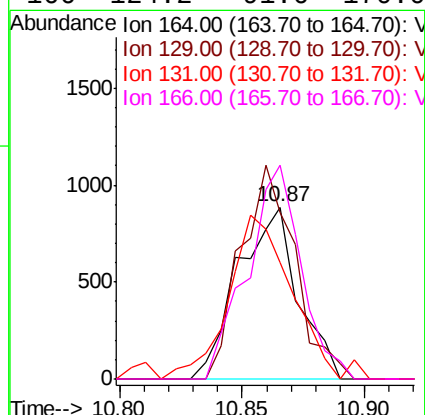
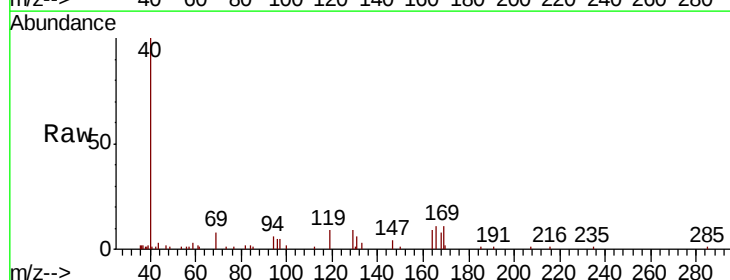
Ion Ratio Lower Upper

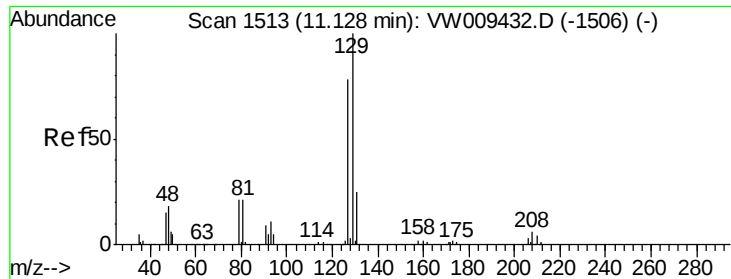
164 100

129 96.5 66.5 123.5

131 68.0 62.6 116.3

166 124.2 91.6 170.0





#50

Dibromochloromethane

Concen: 0.459 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW009441.D

Acq: 25 Mar 2019 21:40

Instrument :

MSVOA_W

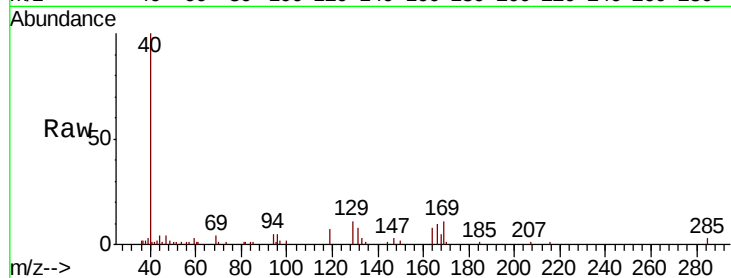
ClientSampleId :

Tot Ion:129 Resp: 1698

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

