

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009435.D
 Acq On : 25 Mar 2019 18:56
 Operator : SY/VA
 Sample : K2044-01
 Misc : 5.48G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 26 09:05:02 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	55260	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	51846	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	19472	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	15230	23.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.24%
7) Chloroethane-d5	2.90	69	16928	21.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.64%
10) 1,1-Dichloroethene-d2	4.01	63	25562	17.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.64%
20) 2-Butanone-d5	7.18	46	236	0.86	ug/L	0.10
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1.72%#
24) Chloroform-d	7.65	84	40779	27.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.16%
26) 1,2-Dichloroethane-d4	8.31	65	26794	29.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.96%
29) Benzene-d6	8.27	84	65956	23.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.28%
33) 1,2-Dichloropropane-d6	9.27	67	23088	26.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.52%
37) Toluene-d8	10.32	98	50872	19.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.96%
38) trans-1,3-Dichloropropene-	10.58	79	9025	20.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.72%
39) 2-Hexanone-d5	10.93	63	9497	45.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	24701	29.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	18629	24.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.80%

Target Compounds

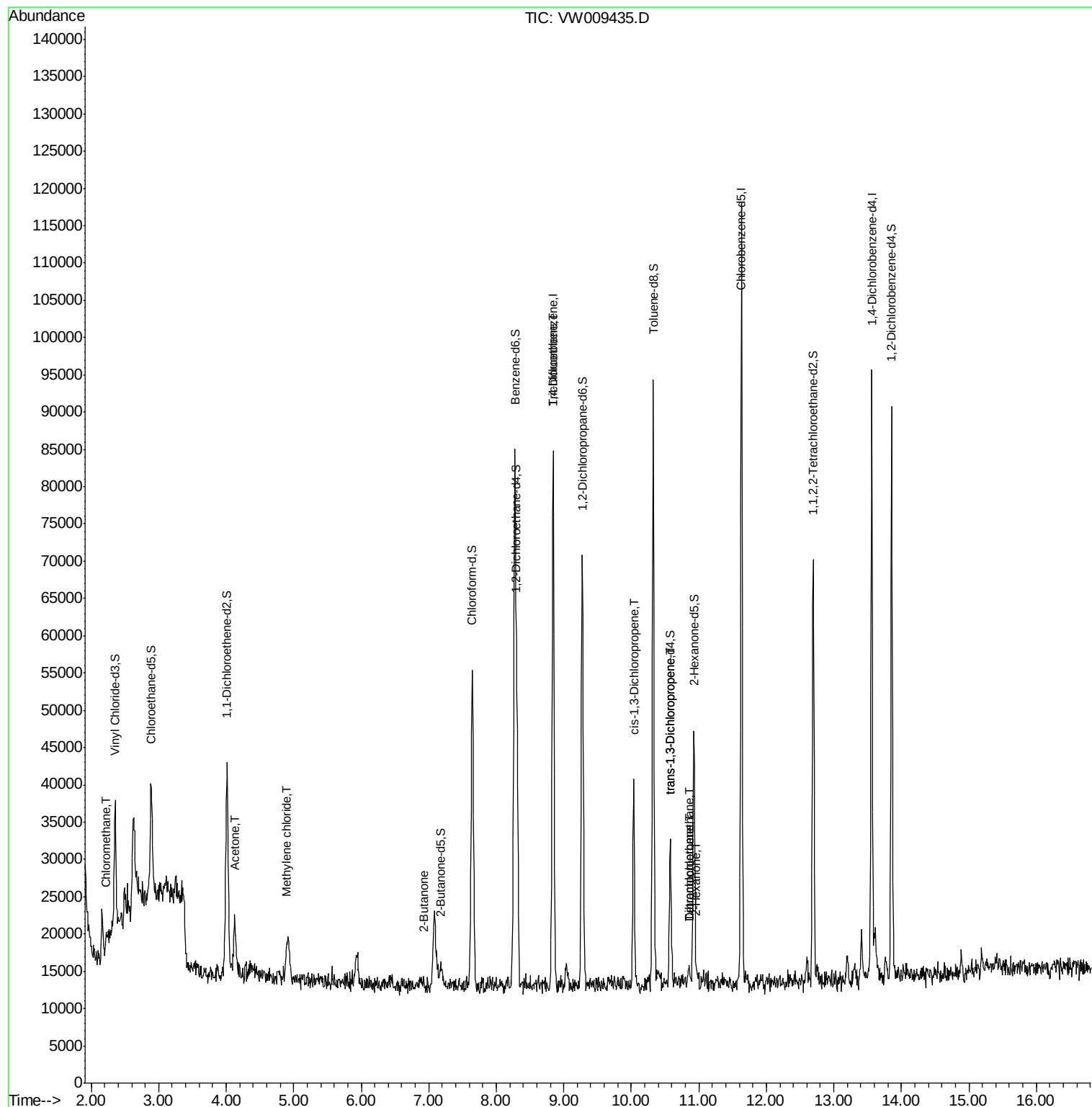
					Ovalue
3) Chloromethane	2.22	50	286	0.370 ug/L	94
13) Acetone	4.12	43	10320	46.081 ug/L	84
16) Methylene chloride	4.90	84	1052	1.305 ug/L	73
21) 2-Butanone	6.93	43	199	0.644 ug/L	88
35) Trichloroethene	8.85	95	1519	2.009 ug/L #	7
42) cis-1,3-Dichloropropene	10.04	75	867	0.731 ug/L #	56
45) trans-1,3-Dichloropropene	10.58	75	746	0.723 ug/L #	31
47) Tetrachloroethene	10.86	164	160	0.250 ug/L #	72
49) 2-Hexanone	10.97	43	369	0.794 ug/L #	65
50) Dibromochloromethane	10.87	129	389	0.542 ug/L #	9

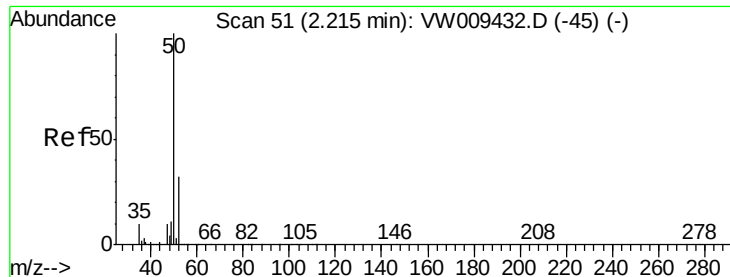
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#3

Chloromethane

Concen: 0.370 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009435.D

Acq: 25 Mar 2019 18:56

Instrument :

MSVOA_W

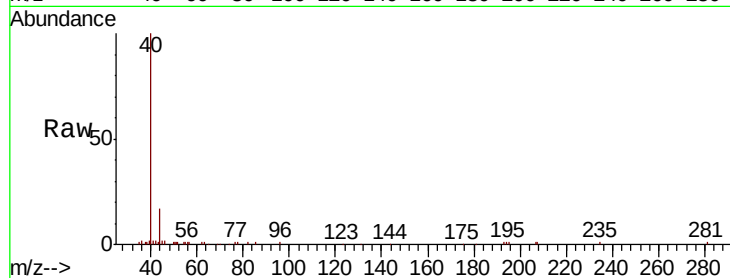
ClientSampled :

Tot Ion: 50 Resp: 286

Ion Ratio Lower Upper

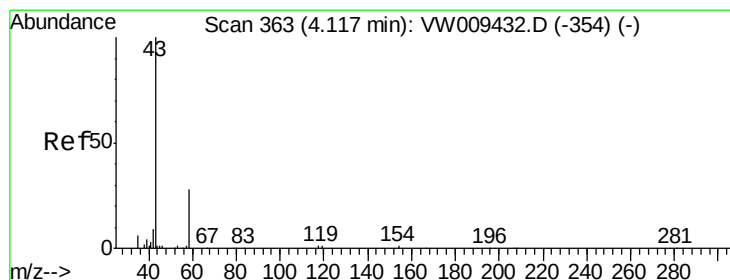
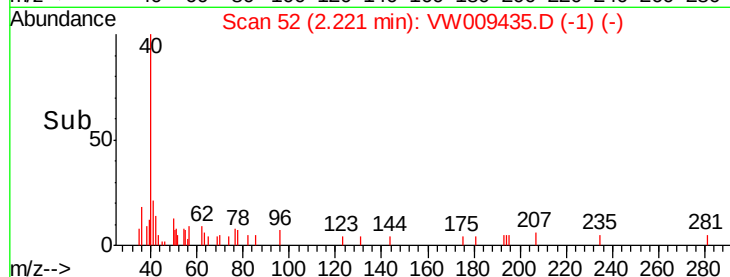
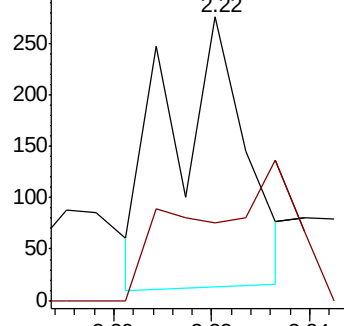
50 100

52 27.5 21.6 40.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW



#13

Acetone

Concen: 46.081 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009435.D

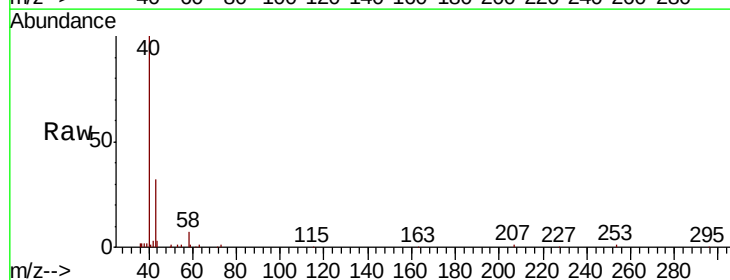
Acq: 25 Mar 2019 18:56

Tgt Ion: 43 Resp: 10320

Ion Ratio Lower Upper

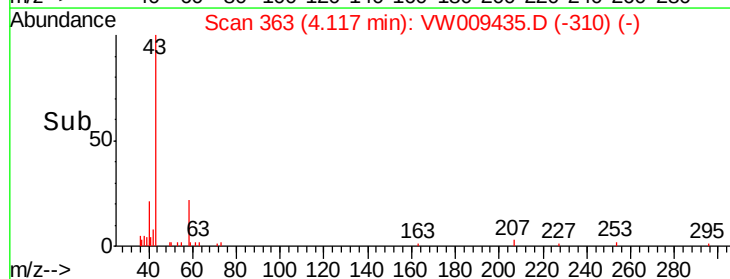
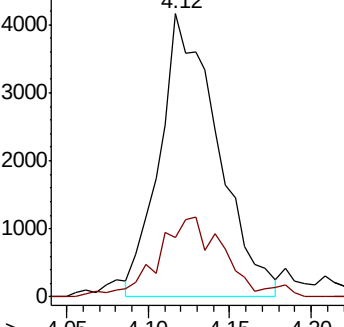
43 100

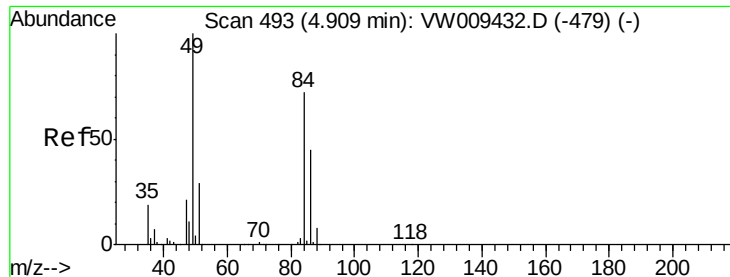
58 19.5 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

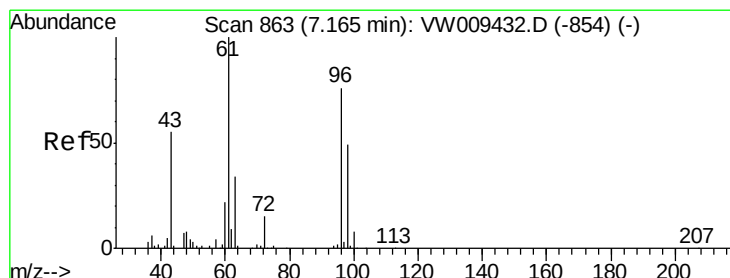
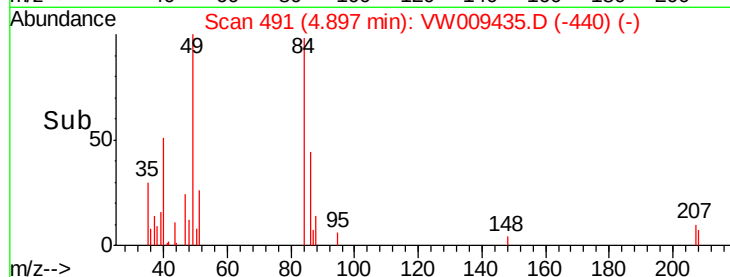
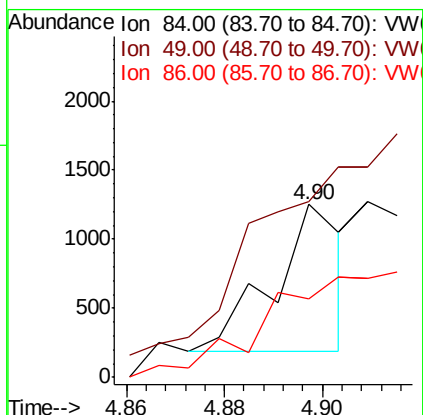
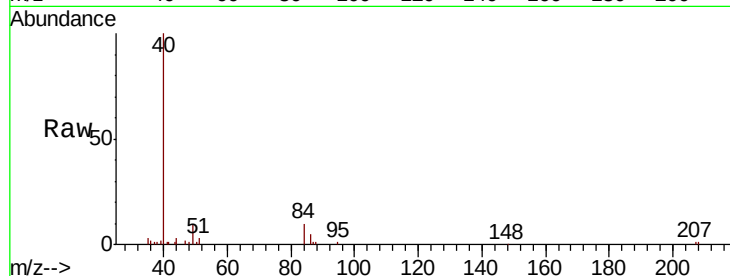




#16
Methylene chloride
Concen: 1.305 ug/L
RT: 4.90 min Scan# 491
Delta R.T. -0.02 min
Lab File: VW009435.D
Acq: 25 Mar 2019 18:56

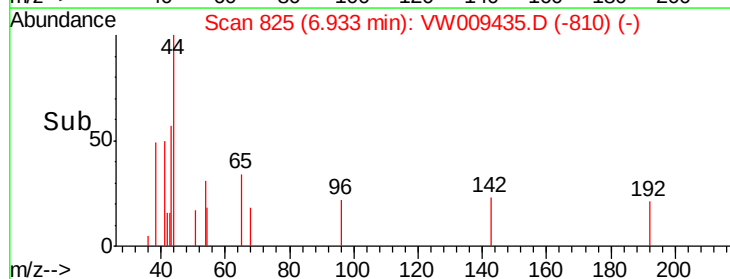
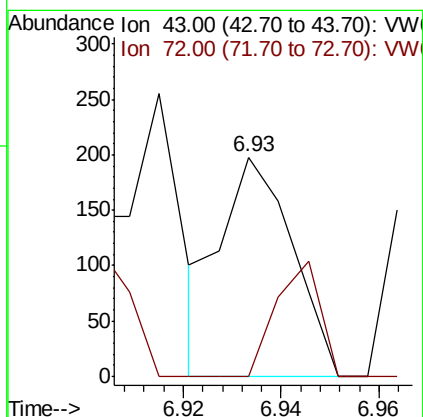
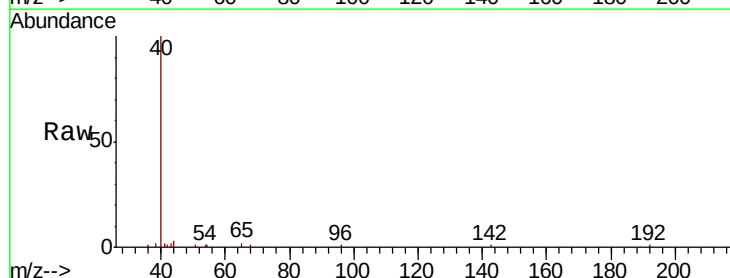
Instrument :
MSVOA_W
ClientSampled :

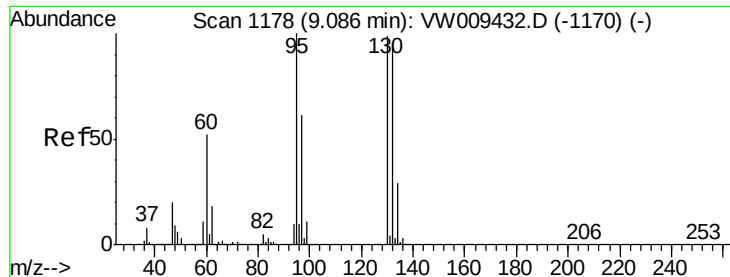
Tot Ion: 84 Resp: 1052
Ion Ratio Lower Upper
84 100
49 101.9 96.0 178.2
86 45.1 44.4 82.5



#21
2-Butanone
Concen: 0.644 ug/L
RT: 6.93 min Scan# 825
Delta R.T. -0.24 min
Lab File: VW009435.D
Acq: 25 Mar 2019 18:56

Tgt Ion: 43 Resp: 199
Ion Ratio Lower Upper
43 100
72 32.2 13.1 39.1





#35

Trichloroethene

Concen: 2.009 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW009435.D

Acq: 25 Mar 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 1519

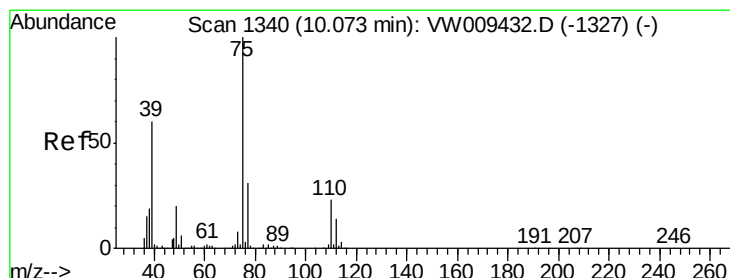
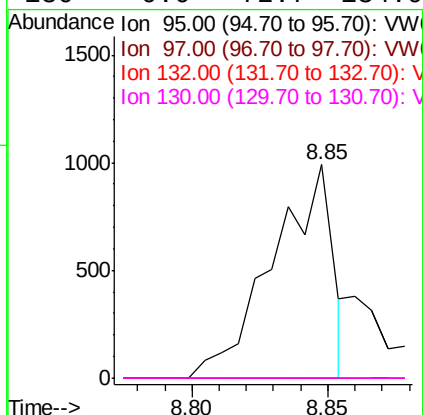
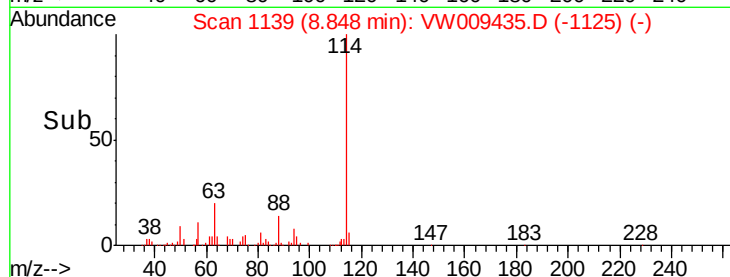
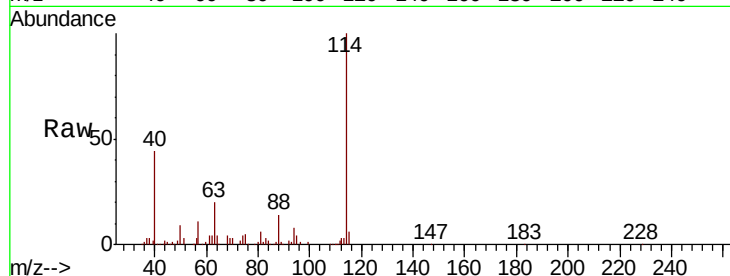
Ion Ratio Lower Upper

95 100

97 5.0 44.7 82.9#

132 3.6 69.0 128.2#

130 0.0 72.7 134.9#



#42

cis-1,3-Dichloropropene

Concen: 0.731 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009435.D

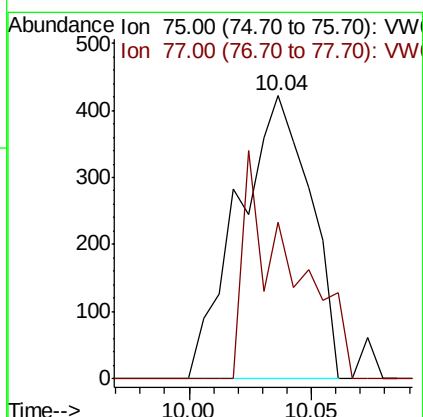
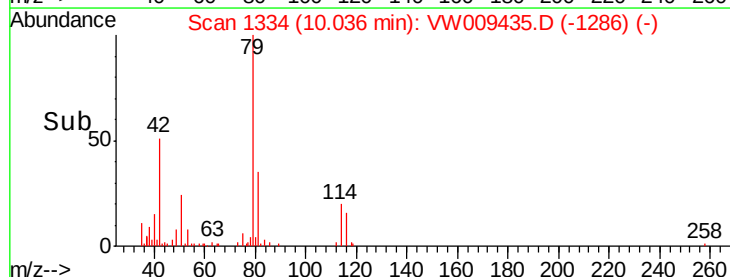
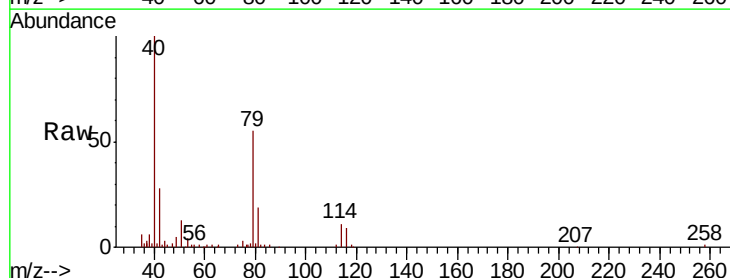
Acq: 25 Mar 2019 18:56

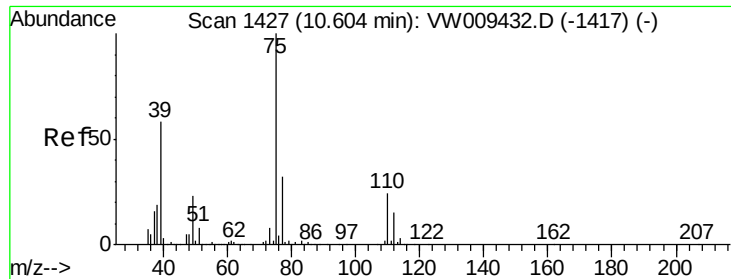
Tgt Ion: 75 Resp: 867

Ion Ratio Lower Upper

75 100

77 55.2 21.6 40.2#





#45

trans-1,3-Dichloropropene

Concen: 0.723 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009435.D

Acq: 25 Mar 2019 18:56

Instrument :

MSVOA_W

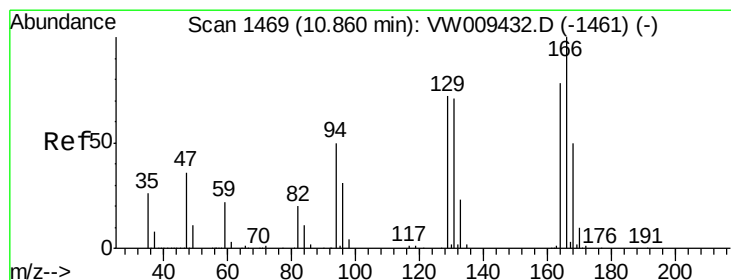
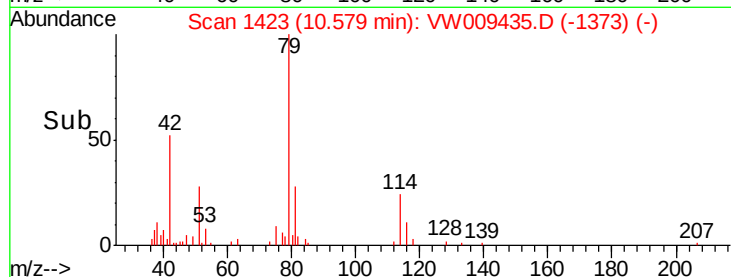
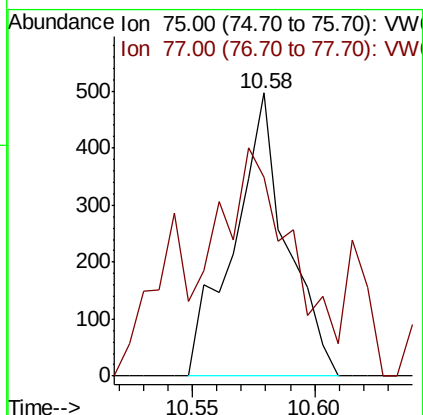
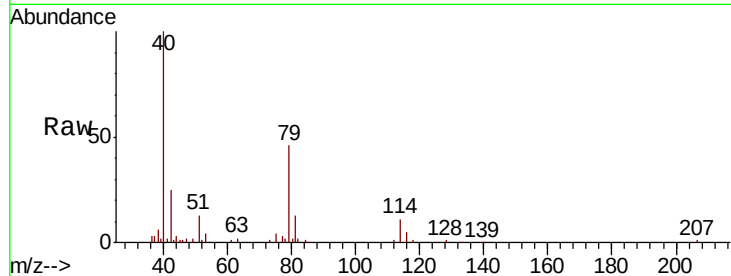
ClientSampled :

Tot Ion: 75 Resp: 746

Ion Ratio Lower Upper

75 100

77 70.4 22.5 41.7#



#47

Tetrachloroethene

Concen: 0.250 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009435.D

Acq: 25 Mar 2019 18:56

Tgt Ion: 164 Resp: 160

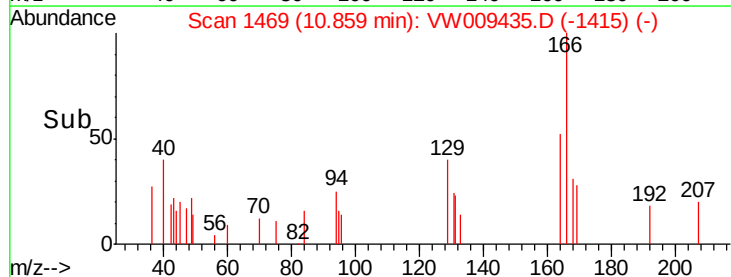
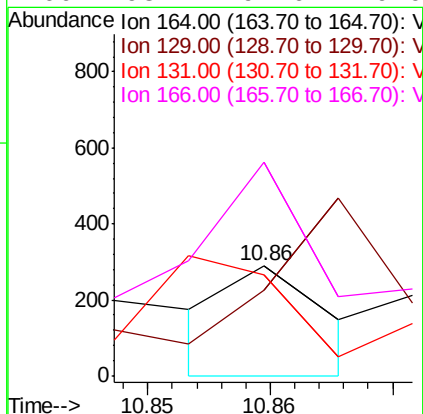
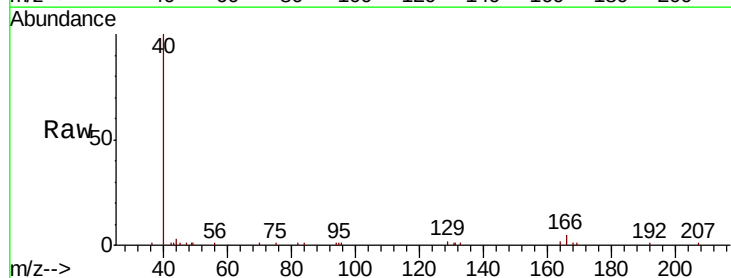
Ion Ratio Lower Upper

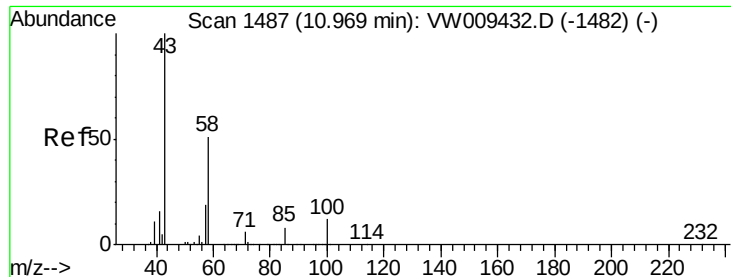
164 100

129 77.7 66.5 123.5

131 91.8 62.6 116.3

166 193.1 91.6 170.0#

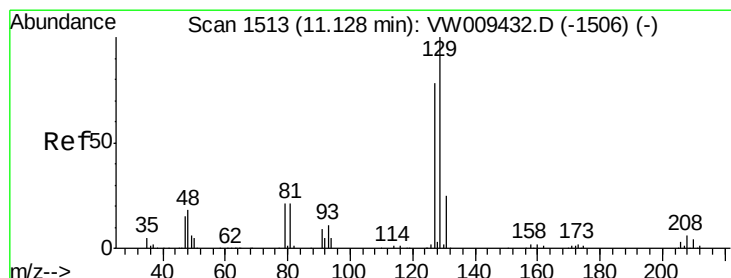
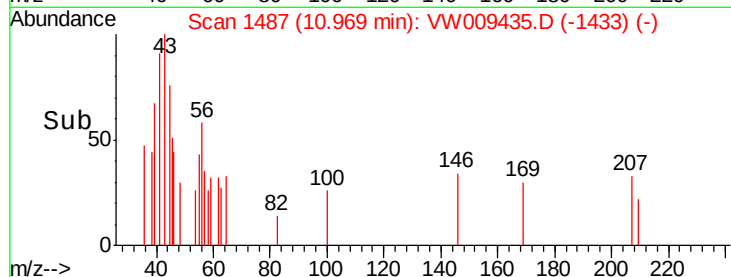
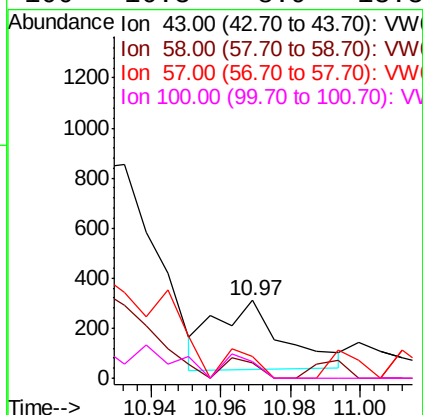
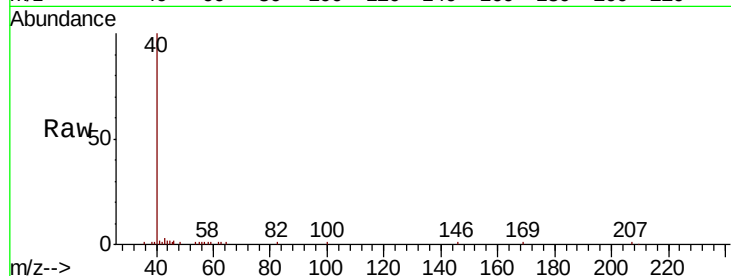




#49
2-Hexanone
Concen: 0.794 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009435.D
Acq: 25 Mar 2019 18:56

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 369
Ion Ratio Lower Upper
43 100
58 14.4 39.2 58.8#
57 20.3 14.2 21.2
100 16.3 8.9 13.3#



#50
Dibromochloromethane
Concen: 0.542 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.26 min
Lab File: VW009435.D
Acq: 25 Mar 2019 18:56

Tgt Ion: 129 Resp: 389
Ion Ratio Lower Upper
129 100
127 0.0 56.8 105.6#

