

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103119\
 Data File : VW013868.D
 Acq On : 31 Oct 2019 19:57
 Operator : SY/VA
 Sample : K5596-14
 Misc : 5.17G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 01 02:14:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 01 02:10:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	267139	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	267563	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	129981	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	83040	20.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.68%
7) Chloroethane-d5	2.89	69	67715	21.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.12%
10) 1,1-Dichloroethene-d2	4.03	63	124168	15.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.04%
20) 2-Butanone-d5	7.07	46	76587	53.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.16%
24) Chloroform-d	7.65	84	187289	22.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.64%
26) 1,2-Dichloroethane-d4	8.31	65	108695	24.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.80%
29) Benzene-d6	8.27	84	390571	22.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.12%
33) 1,2-Dichloropropane-d6	9.27	67	125147	24.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.36%
37) Toluene-d8	10.32	98	354741	21.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.60%
38) trans-1,3-Dichloropropene-	10.58	79	48073	20.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.92%
39) 2-Hexanone-d5	10.93	63	66223	55.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123784	26.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	120413	24.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.20%

Target Compounds

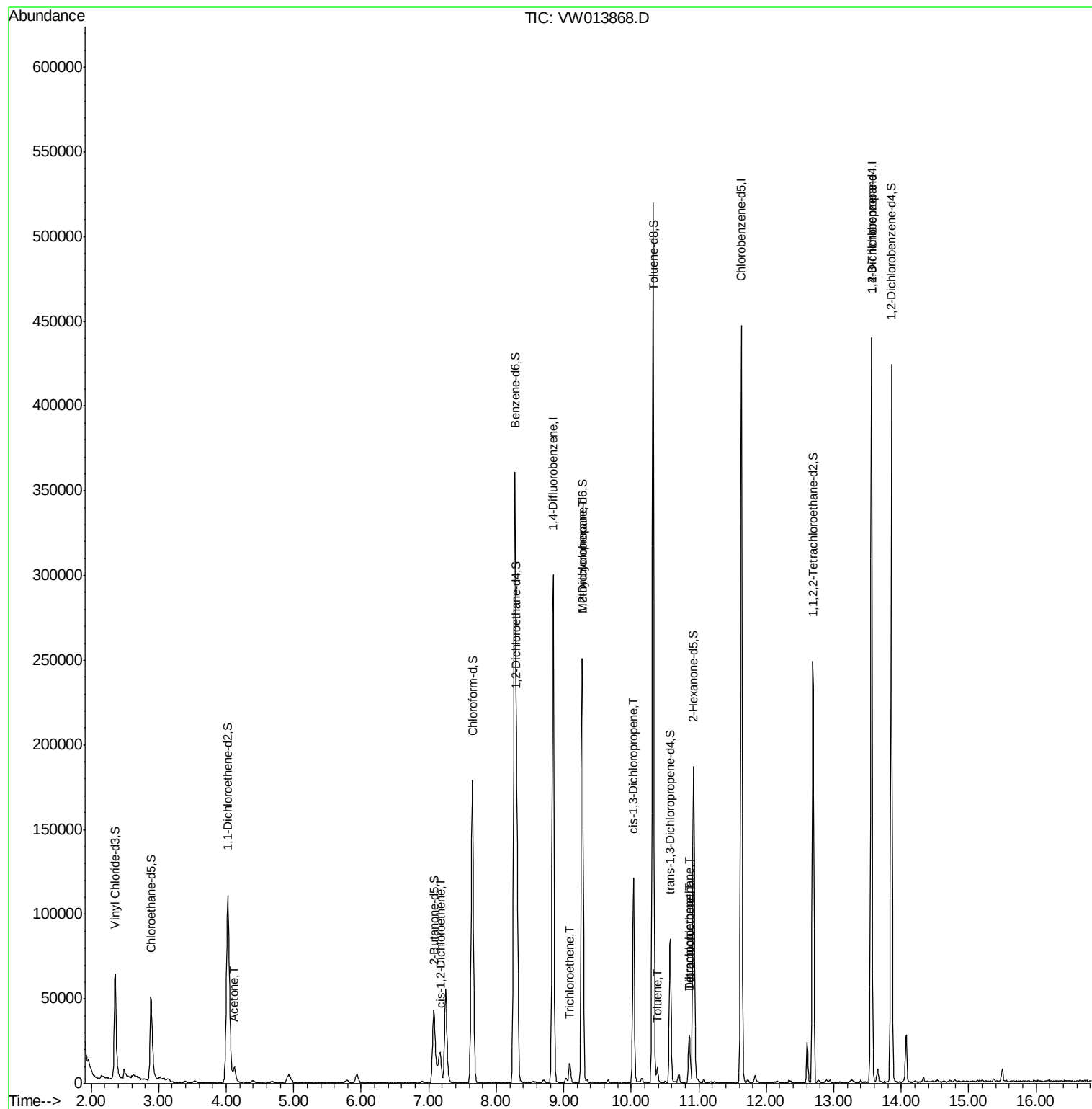
					Ovalue
13) Acetone	4.12	43	15283	11.425	ug/L 84
22) cis-1,2-Dichloroethene	7.17	96	8607	1.736	ug/L 85
35) Trichloroethene	9.10	95	4075	0.832	ug/L 96
36) Methylcyclohexane	9.27	83	29603	3.492	ug/L # 19
42) cis-1,3-Dichloropropene	10.03	75	2694	0.374	ug/L # 61
44) Toluene	10.39	91	6292	0.314	ug/L 86
47) Tetrachloroethene	10.86	164	7396	1.682	ug/L 86
50) Dibromochloromethane	10.86	129	6692	1.558	ug/L # 12
59) 1,2,3-Trichloropropane	13.56	75	13113	3.709	ug/L 90

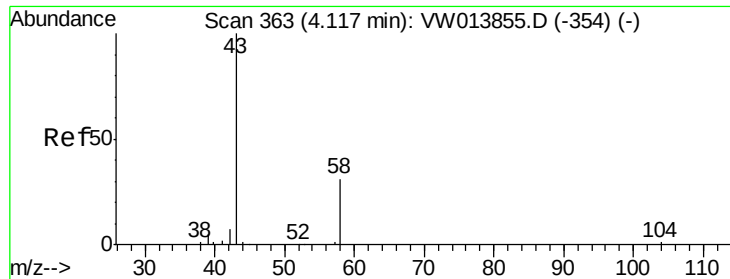
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Nov 01 02:10:29 2019
Response via : Initial Calibration





#13

Acetone

Concen: 11.425 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013868.D

Acq: 31 Oct 2019 19:57

Instrument :

MSVOA_W

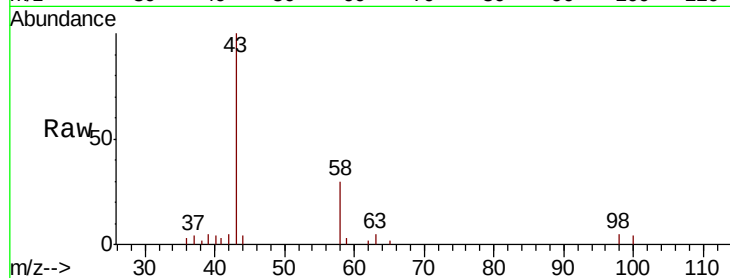
ClientSampled :

Tot Ion: 43 Resp: 15283

Ion Ratio Lower Upper

43 100

58 23.0 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

6000

5000

4000

3000

2000

1000

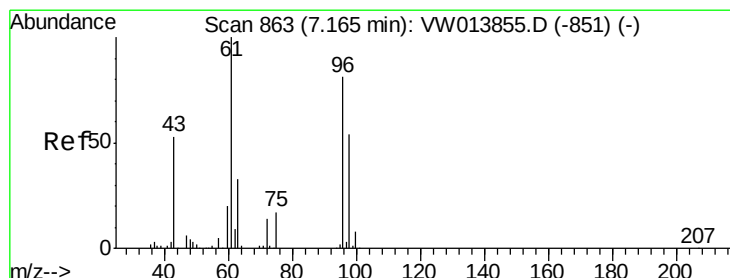
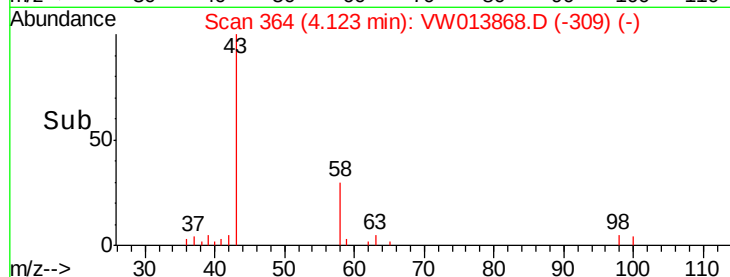
0

Time-->

4.00

4.10

4.20



#22

cis-1,2-Dichloroethene

Concen: 1.736 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013868.D

Acq: 31 Oct 2019 19:57

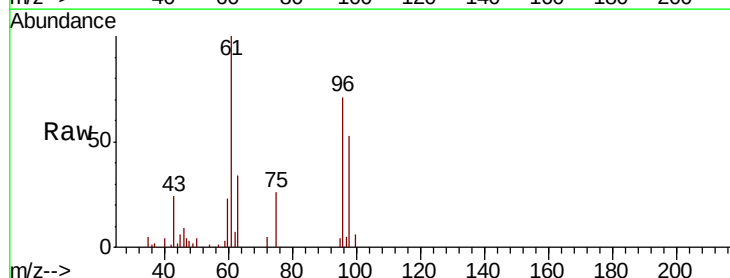
Tgt Ion: 96 Resp: 8607

Ion Ratio Lower Upper

96 100

61 141.2 86.6 160.8

98 74.5 44.5 82.7



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

7.17

6000

4000

2000

0

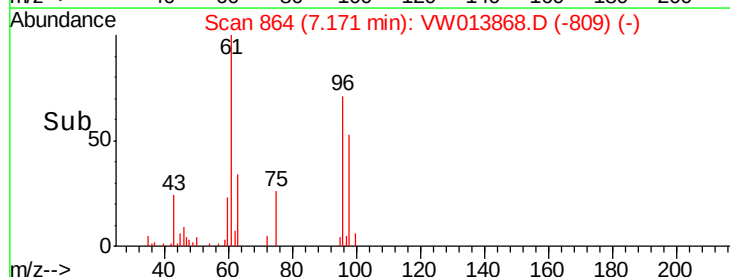
Time-->

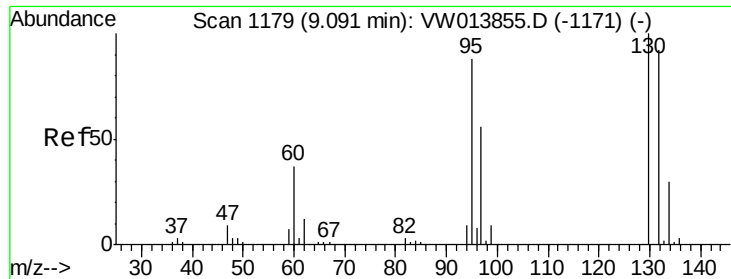
7.10

7.15

7.20

7.25

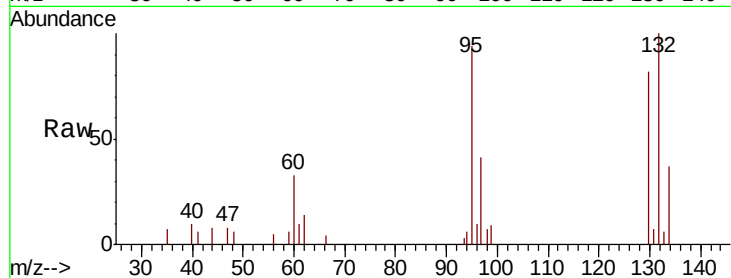




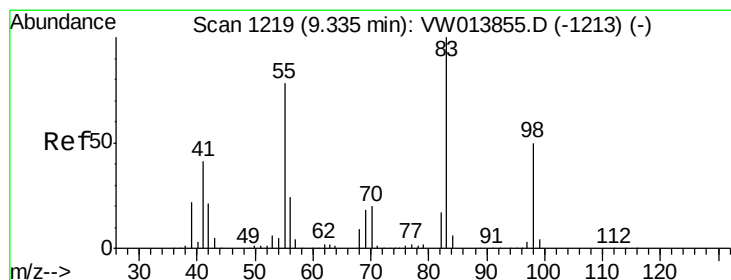
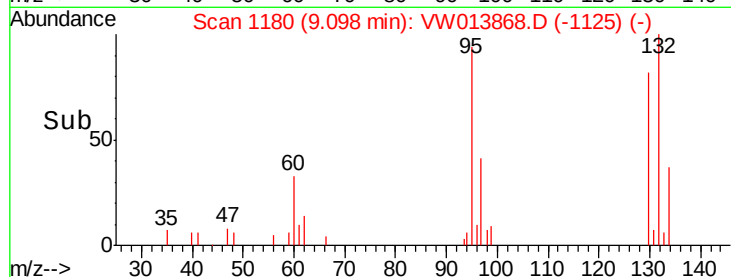
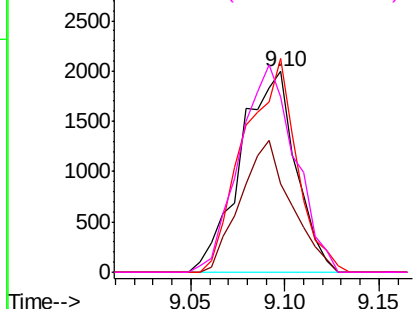
#35
 Trichloroethene
 Concen: 0.832 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW013868.D
 Acq: 31 Oct 2019 19:57

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 4075
 Ion Ratio Lower Upper
 95 100
 97 60.0 45.0 83.6
 132 100.8 72.4 134.4
 130 103.5 76.6 142.3

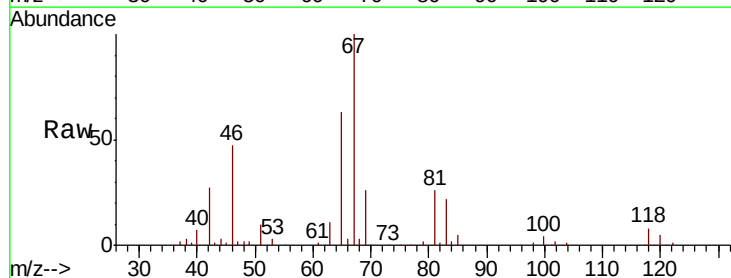


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

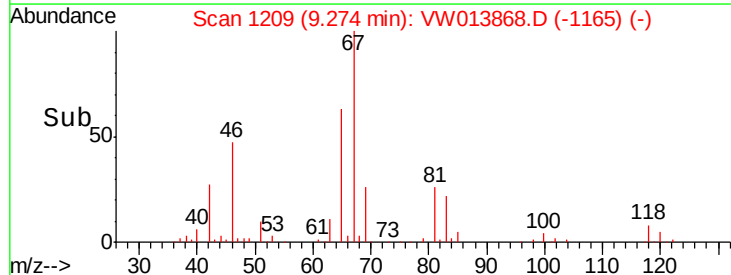
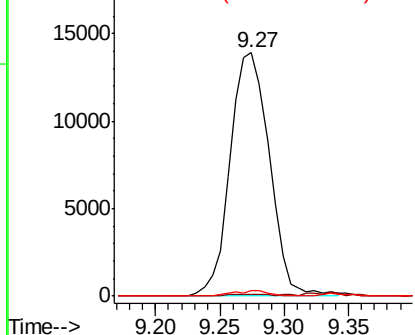


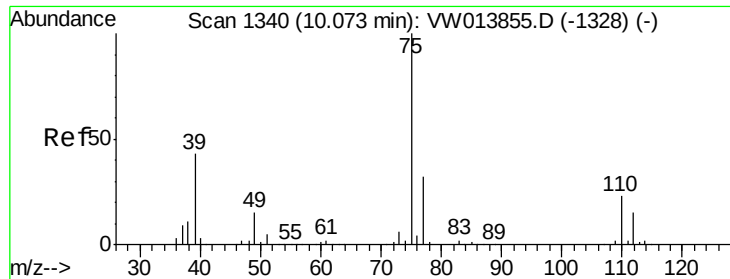
#36
 Methylcyclohexane
 Concen: 3.492 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.06 min
 Lab File: VW013868.D
 Acq: 31 Oct 2019 19:57

Tgt Ion: 83 Resp: 29603
 Ion Ratio Lower Upper
 83 100
 55 0.8 60.3 90.5#
 98 1.2 39.4 59.2#



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





#42

cis-1,3-Dichloropropene

Concen: 0.374 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW013868.D

Acq: 31 Oct 2019 19:57

Instrument :

MSVOA_W

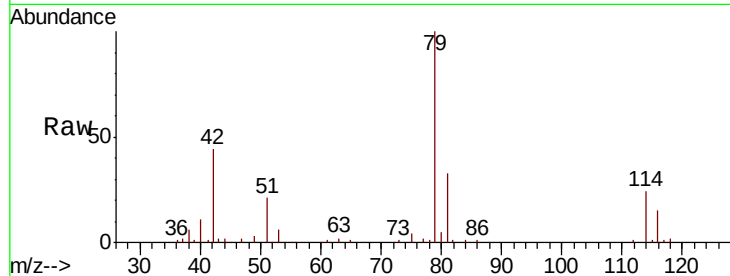
ClientSampleId :

Tot Ion: 75 Resp: 2694

Ion Ratio Lower Upper

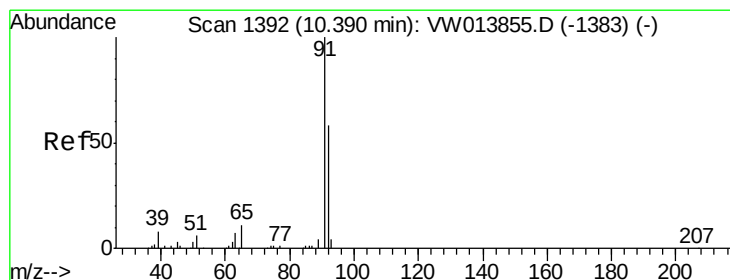
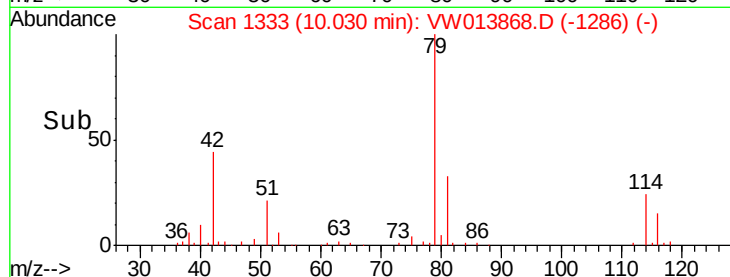
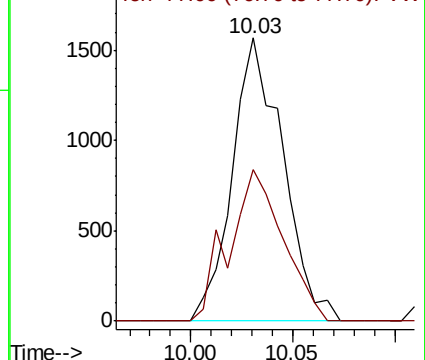
75 100

77 53.4 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#44

Toluene

Concen: 0.314 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW013868.D

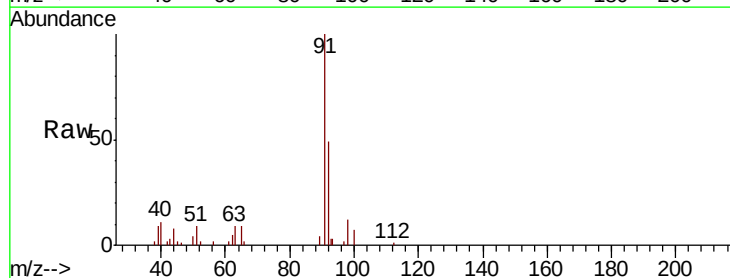
Acq: 31 Oct 2019 19:57

Tgt Ion: 91 Resp: 6292

Ion Ratio Lower Upper

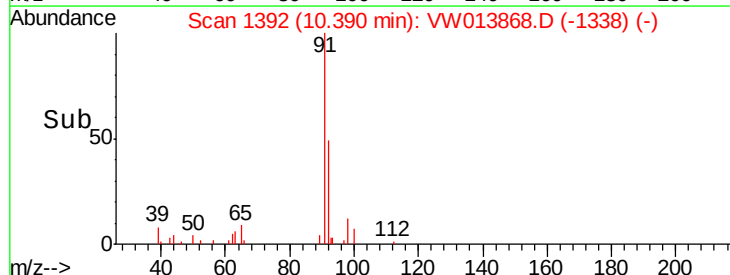
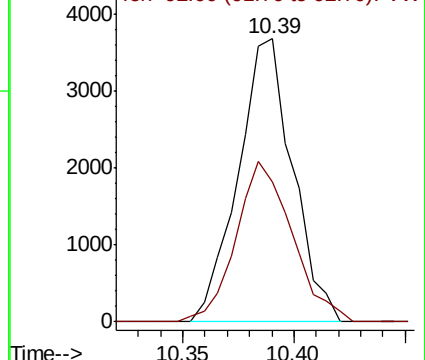
91 100

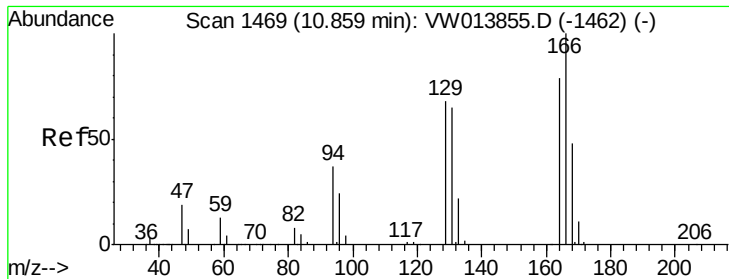
92 49.5 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#47

Tetrachloroethene

Concen: 1.682 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013868.D

Acq: 31 Oct 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 7396

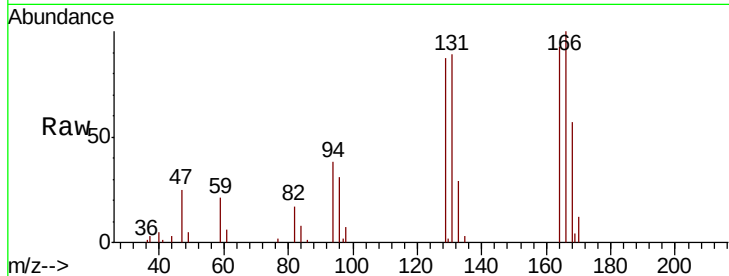
Ion Ratio Lower Upper

164 100

129 95.7 62.5 116.1

131 96.1 59.8 111.0

166 108.1 91.6 170.0

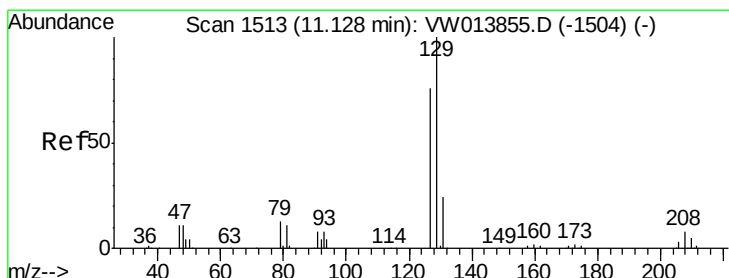
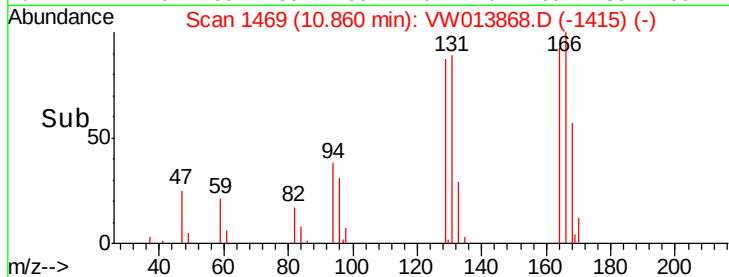
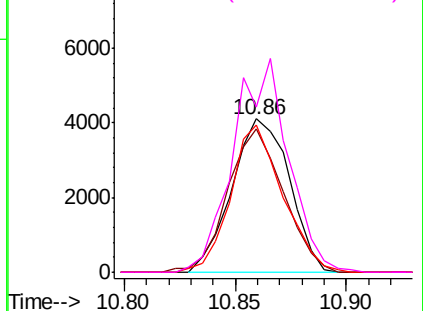


Abundance Ion 164.00 (163.70 to 164.70): V

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: 1.558 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW013868.D

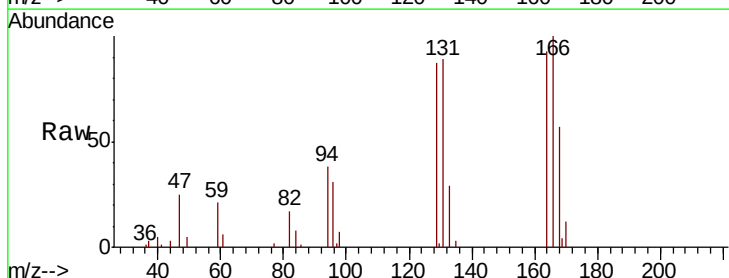
Acq: 31 Oct 2019 19:57

Tgt Ion:129 Resp: 6692

Ion Ratio Lower Upper

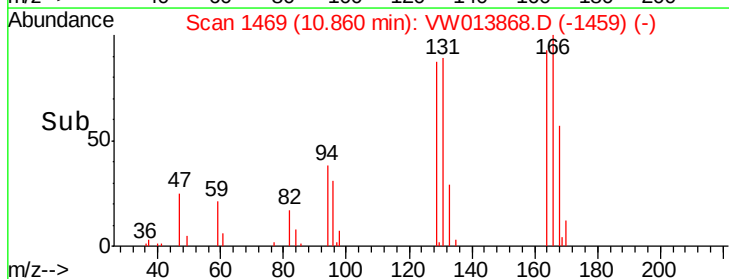
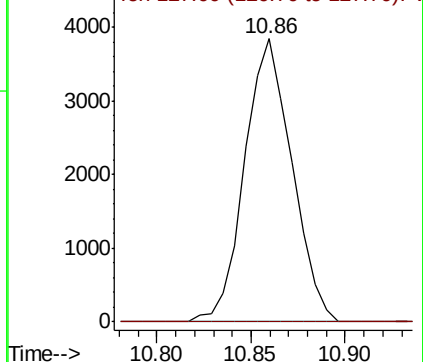
129 100

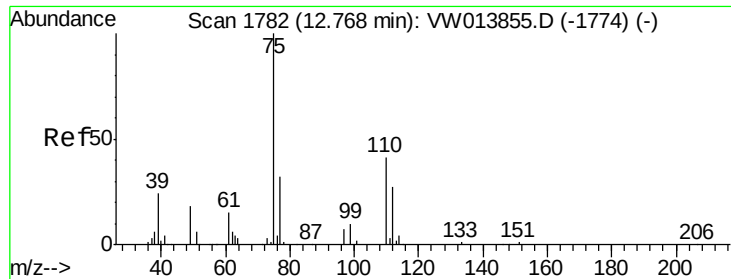
127 0.0 52.6 97.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 3.709 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW013868.D

Acq: 31 Oct 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 13113

Ion Ratio Lower Upper

75 100

77 37.9 25.8 38.8

