

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102519\
 Data File : VW013742.D
 Acq On : 25 Oct 2019 12:37
 Operator : SY/VA
 Sample : K5535-07
 Misc : 6.02G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BEK29

Quant Time: Oct 26 03:41:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 26 03:37:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	291896	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	209434	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	55540	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	103224	28.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.28%
7) Chloroethane-d5	2.89	69	85034	25.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.76%
10) 1,1-Dichloroethene-d2	4.02	63	146703	18.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.20%
20) 2-Butanone-d5	7.08	46	49110	38.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.68%
24) Chloroform-d	7.65	84	195792	23.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.88%
26) 1,2-Dichloroethane-d4	8.31	65	100119	23.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.76%
29) Benzene-d6	8.27	84	415471	33.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	132.08%
33) 1,2-Dichloropropane-d6	9.27	67	121342	32.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	129.16%#
37) Toluene-d8	10.32	98	330782	28.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.00%
38) trans-1,3-Dichloropropene-	10.58	79	39980	23.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.32%
39) 2-Hexanone-d5	10.93	63	33678	46.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.76%
48) 1,1,1,2,2-Tetrachloroethane-	12.69	84	73379	23.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	52713	26.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.44%

Target Compounds

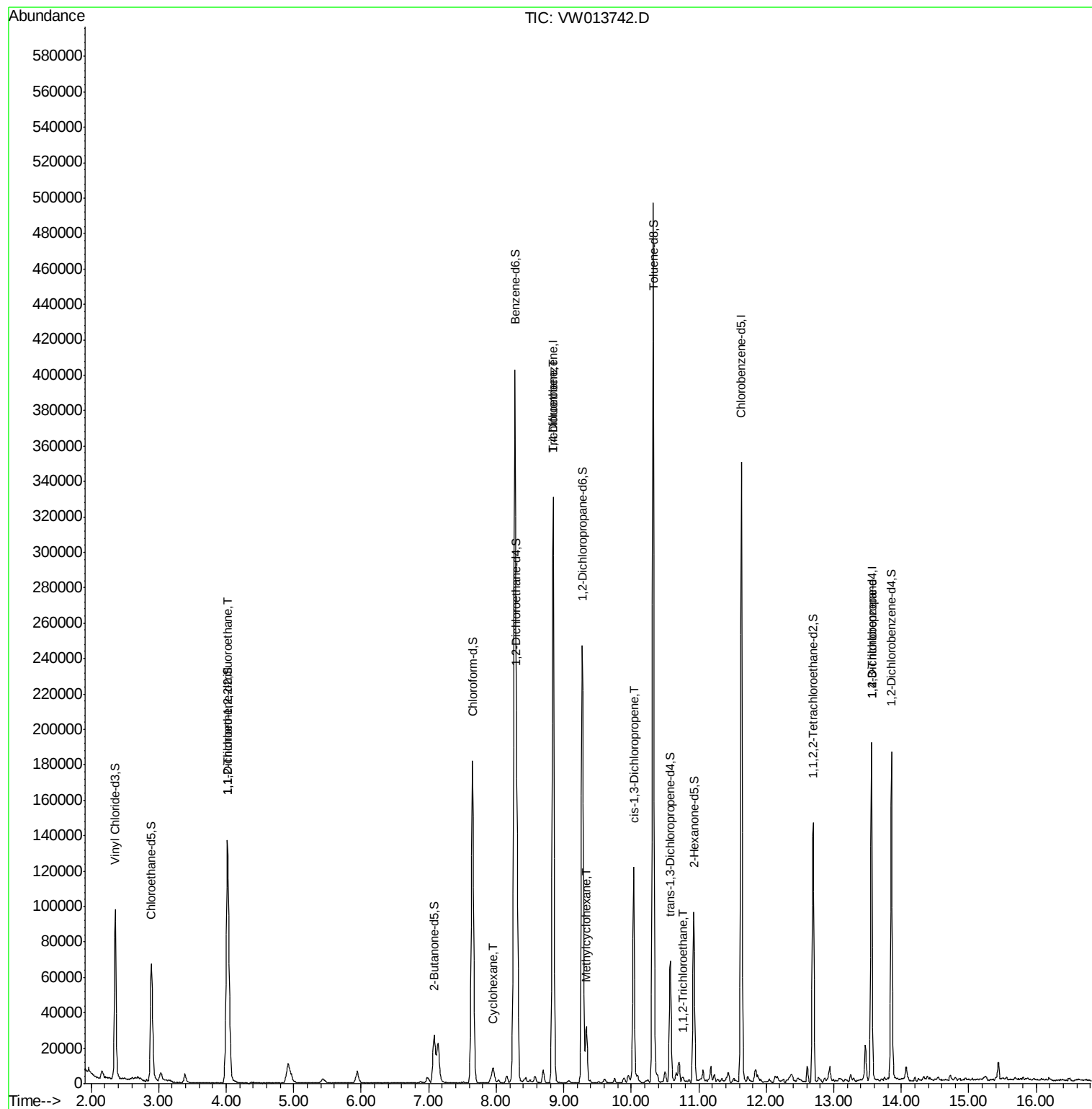
					Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1762	0.374 ug/L #	17
30) Cyclohexane	7.96	56	5192	0.846 ug/L	89
35) Trichloroethene	8.84	95	8361	2.169 ug/L #	2
36) Methylcyclohexane	9.33	83	12631	1.859 ug/L	96
42) cis-1,3-Dichloropropene	10.04	75	2631	0.454 ug/L #	72
46) 1,1,2-Trichloroethane	10.76	97	1284	0.453 ug/L #	16
59) 1,2,3-Trichloropropane	13.55	75	5961	2.407 ug/L	90

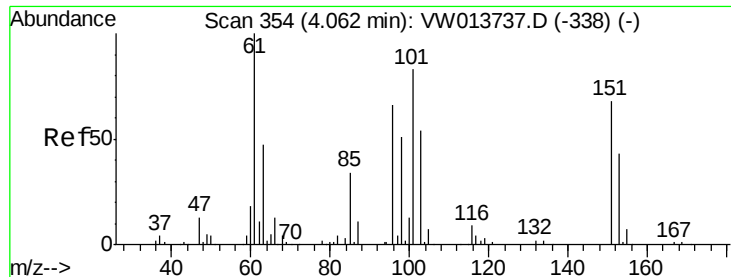
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Oct 26 03:37:49 2019
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.374 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.04 min

Lab File: VW013742.D

Acq: 25 Oct 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

BEK29

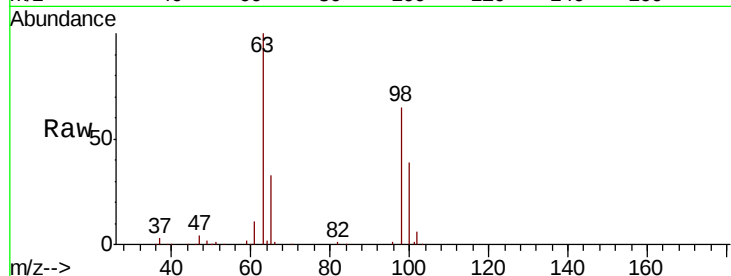
Tot Ion:101 Resp: 1762

Ion Ratio Lower Upper

101 100

85 0.0 32.0 48.0#

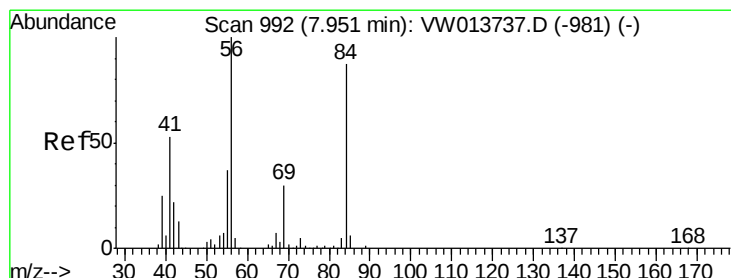
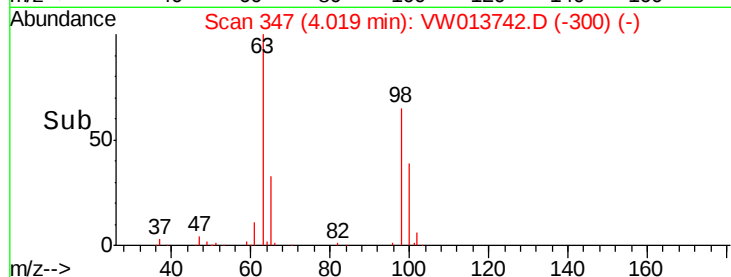
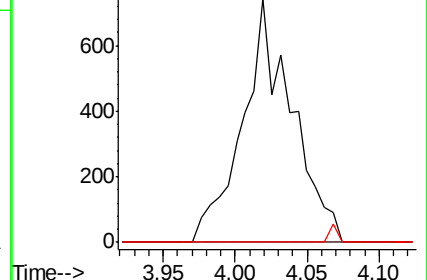
151 0.0 66.9 100.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#30

Cyclohexane

Concen: 0.846 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013742.D

Acq: 25 Oct 2019 12:37

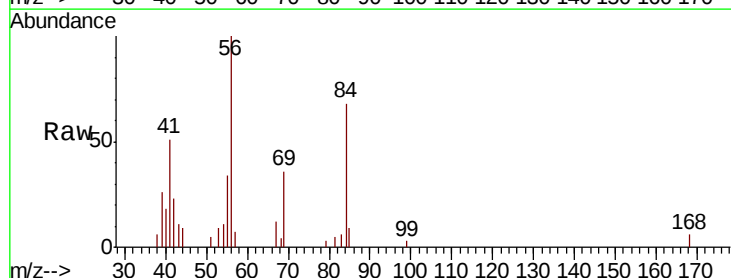
Tgt Ion: 56 Resp: 5192

Ion Ratio Lower Upper

56 100

69 26.2 24.6 37.0

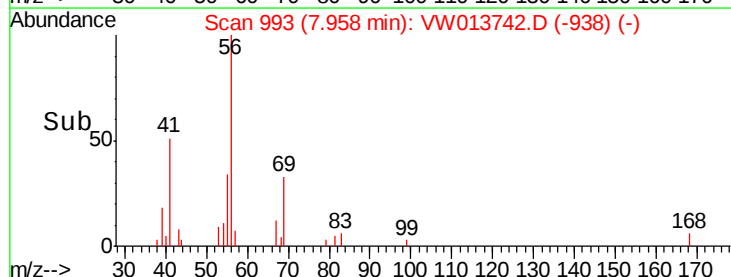
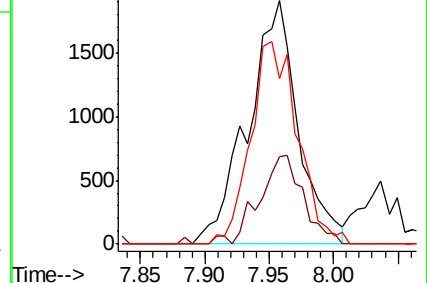
84 77.3 71.1 106.7

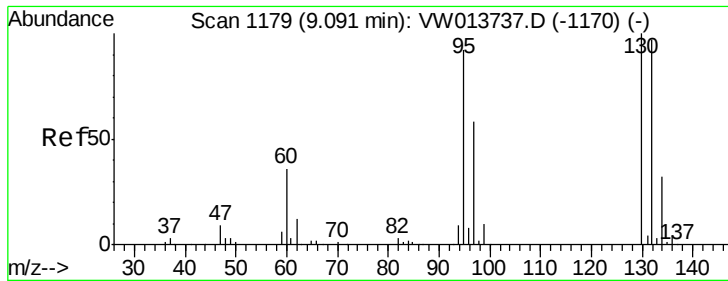


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#35

Trichloroethene

Concen: 2.169 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

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BEK29

Tot Ion: 95 Resp: 8361

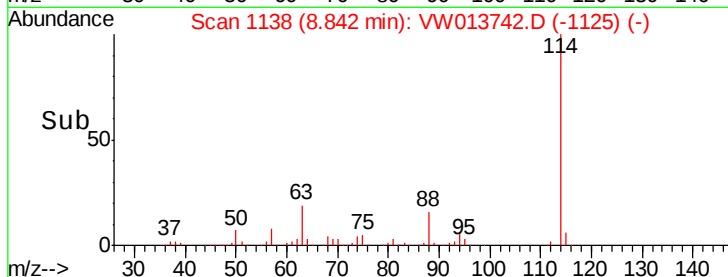
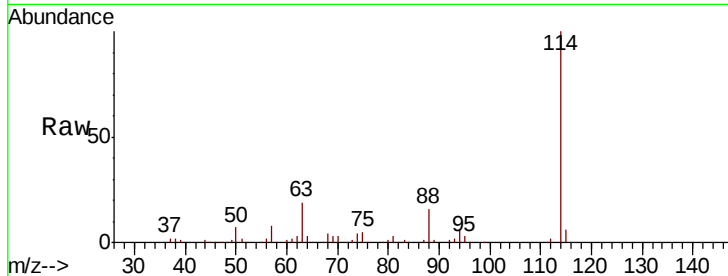
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.2#

132 0.3 74.3 138.1#

130 0.0 76.6 142.3#

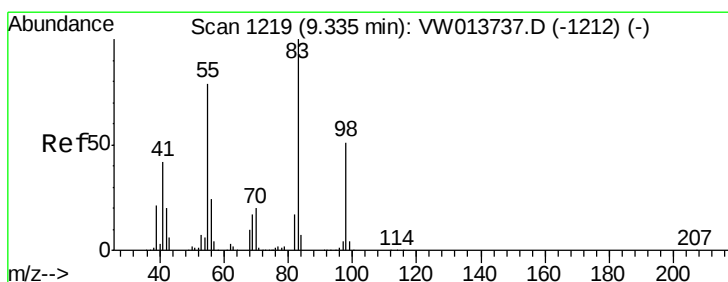
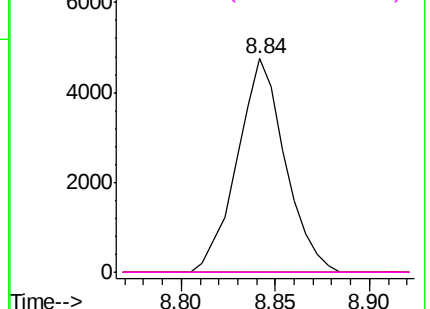


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 1.859 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW013742.D

Acq: 25 Oct 2019 12:37

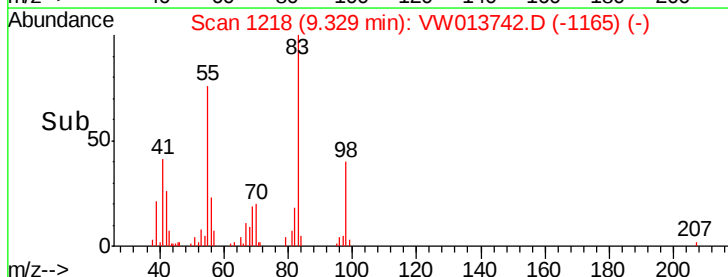
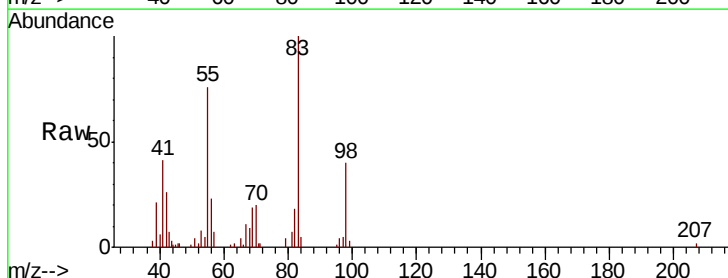
Tgt Ion: 83 Resp: 12631

Ion Ratio Lower Upper

83 100

55 78.0 60.2 90.4

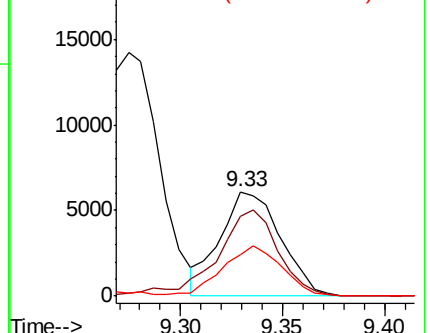
98 45.9 39.1 58.7

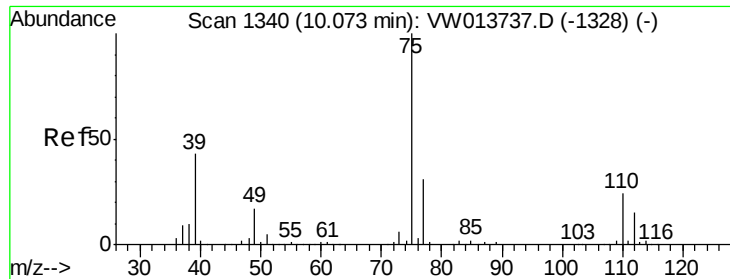


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.454 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW013742.D

Acq: 25 Oct 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

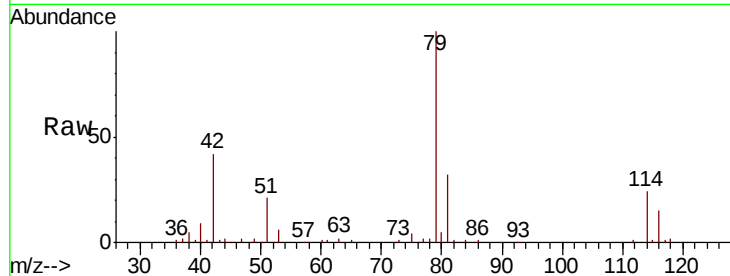
BEK29

Tot Ion: 75 Resp: 2631

Ion Ratio Lower Upper

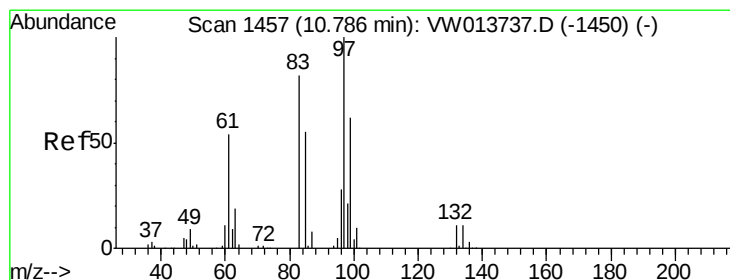
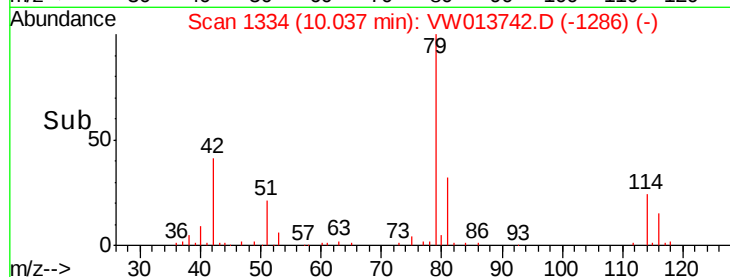
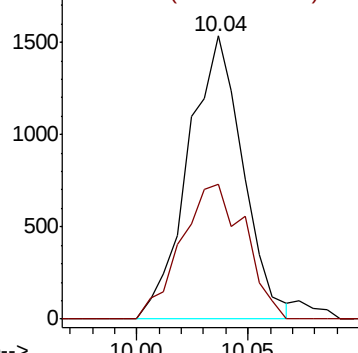
75 100

77 47.7 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 0.453 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW013742.D

Acq: 25 Oct 2019 12:37

Tgt Ion: 97 Resp: 1284

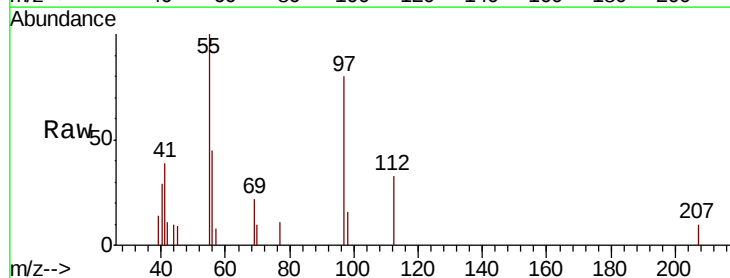
Ion Ratio Lower Upper

97 100

83 0.0 57.7 107.3#

85 0.0 38.6 71.6#

99 0.0 44.7 82.9#

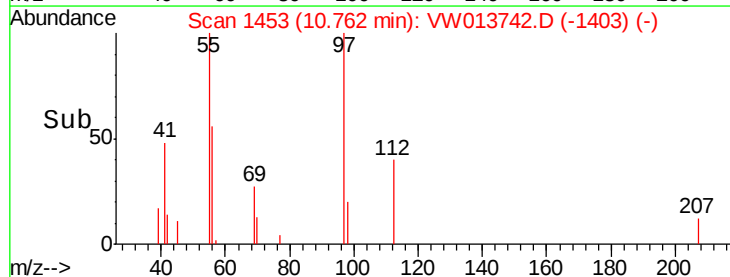
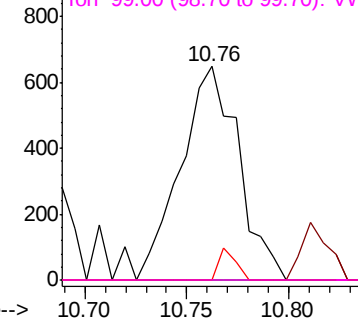


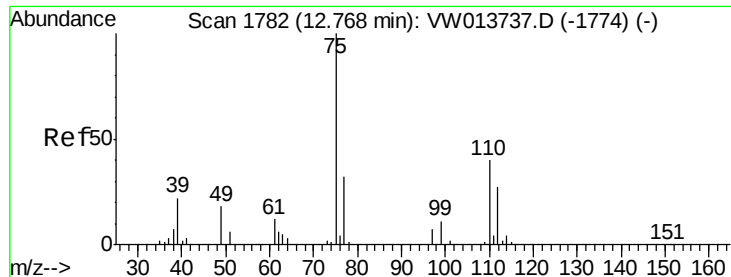
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW





#59

1,2,3-Trichloropropane

Concen: 2.407 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW013742.D

Acq: 25 Oct 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

BEK29

Tot Ion: 75 Resp: 5961

Ion Ratio Lower Upper

75 100

77 38.9 26.4 39.6

