

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102519\
 Data File : VW013743.D
 Acq On : 25 Oct 2019 13:03
 Operator : SY/VA
 Sample : K5535-08
 Misc : 6.28G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BEK30

Quant Time: Oct 26 03:41:14 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	335937	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	260144	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	82287	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	113217	27.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.88%
7) Chloroethane-d5	2.89	69	91536	23.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.16%
10) 1,1-Dichloroethene-d2	4.02	63	161742	17.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.08%
20) 2-Butanone-d5	7.08	46	56675	38.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.90%
24) Chloroform-d	7.65	84	209197	22.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.04%
26) 1,2-Dichloroethane-d4	8.31	65	109801	22.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.36%
29) Benzene-d6	8.27	84	459406	29.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	117.56%
33) 1,2-Dichloropropane-d6	9.27	67	135966	29.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.52%
37) Toluene-d8	10.32	98	380180	26.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.48%
38) trans-1,3-Dichloropropene-	10.58	79	47996	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.16%
39) 2-Hexanone-d5	10.93	63	42668	47.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	84389	22.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	70518	24.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.00%

Target Compounds

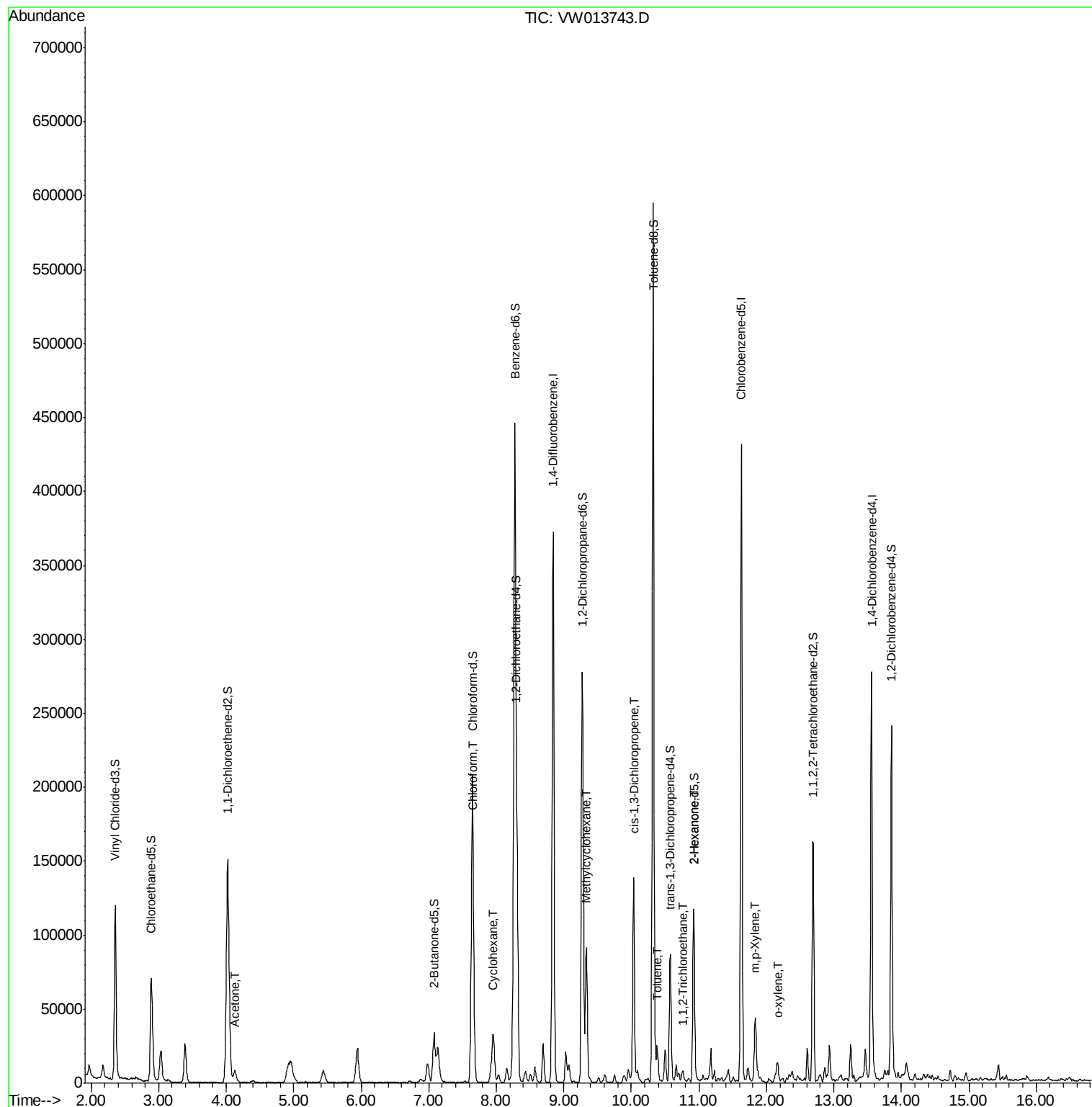
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.14	43	13635	8.334	ug/L	87
25) Chloroform	7.66	83	3687	0.367	ug/L #	52
30) Cyclohexane	7.95	56	19606	2.573	ug/L	92
36) Methylcyclohexane	9.34	83	35210	4.171	ug/L	91
42) cis-1,3-Dichloropropene	10.04	75	3175	0.441	ug/L #	57
44) Toluene	10.38	91	18359	0.915	ug/L	92
46) 1,1,2-Trichloroethane	10.76	97	3073	0.873	ug/L #	24
49) 2-Hexanone	10.93	43	5895	2.669	ug/L #	55
54) m,p-Xylene	11.83	106	10628	1.241	ug/L	99
55) o-xylene	12.17	106	3847	0.473	ug/L	84

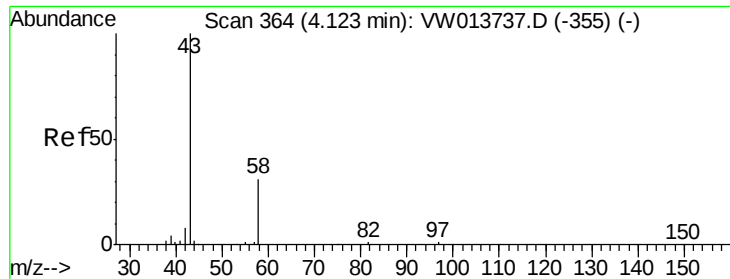
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 26 03:37:49 2019
Response via : Initial Calibration





#13

Acetone

Concen: 8.334 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013743.D

Acq: 25 Oct 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

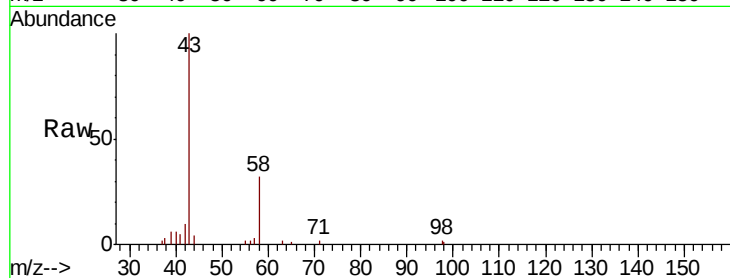
BEK30

Tot Ion: 43 Resp: 13635

Ion Ratio Lower Upper

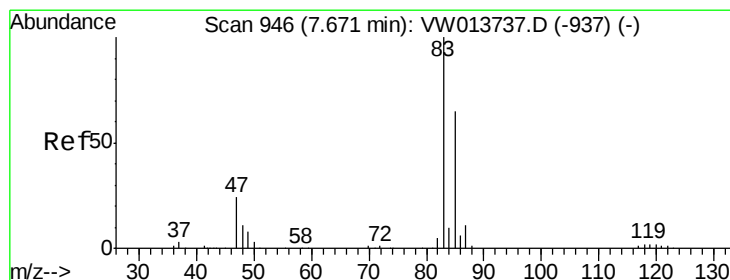
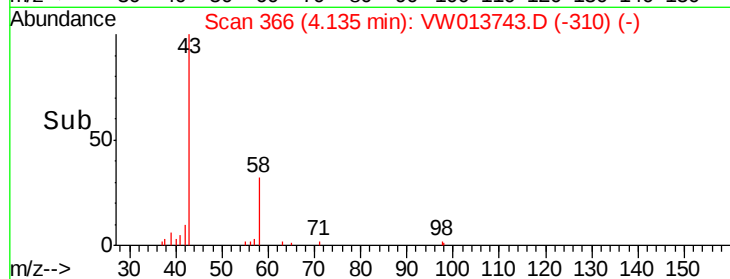
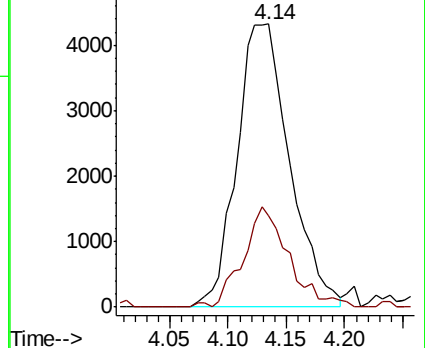
43 100

58 27.9 0.0 70.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

Chloroform

Concen: 0.367 ug/L

RT: 7.66 min Scan# 945

Delta R.T. -0.01 min

Lab File: VW013743.D

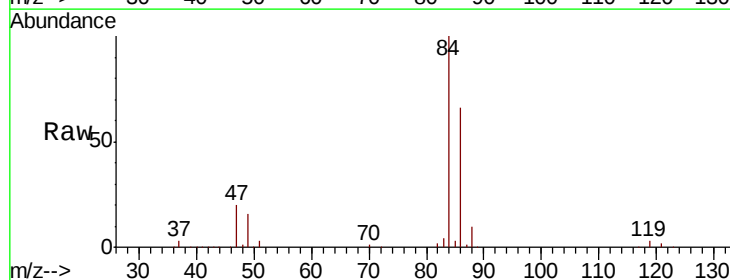
Acq: 25 Oct 2019 13:03

Tgt Ion: 83 Resp: 3687

Ion Ratio Lower Upper

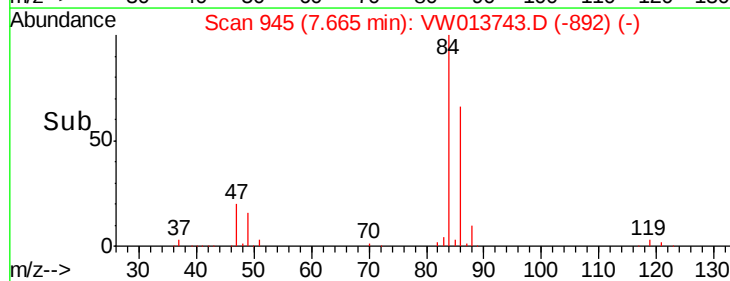
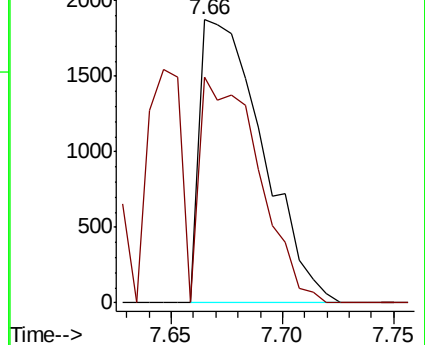
83 100

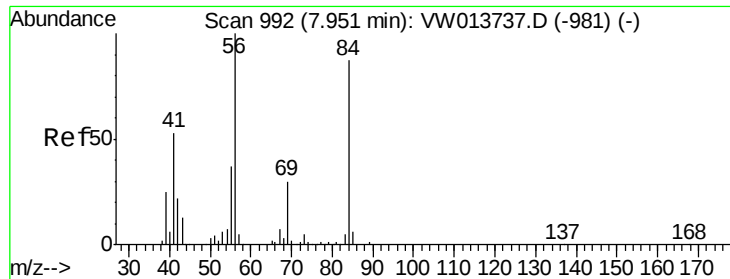
85 28.1 46.1 85.7#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

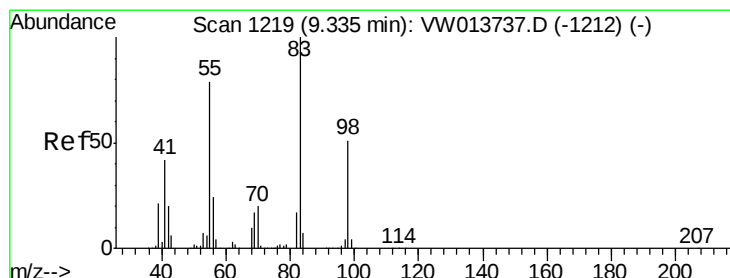
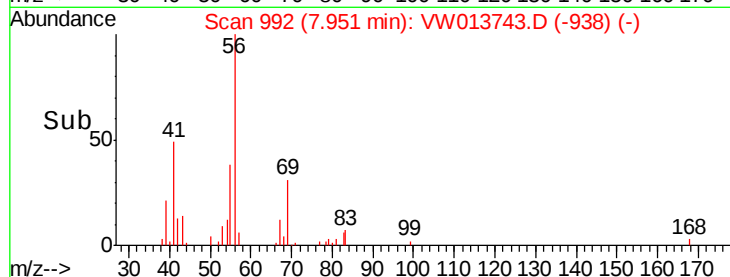
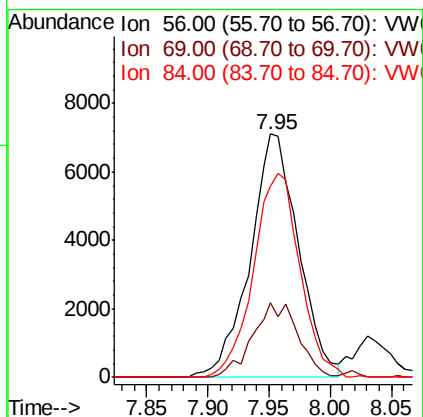
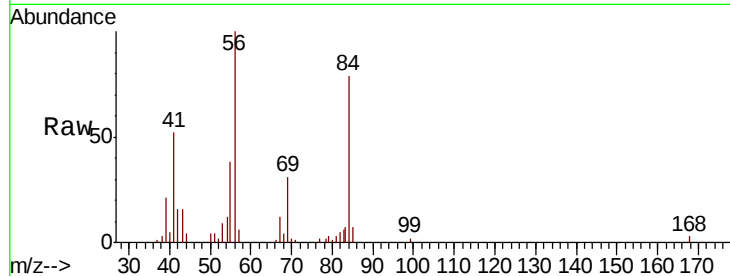




#30
Cyclohexane
Concen: 2.573 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013743.D
Acq: 25 Oct 2019 13:03

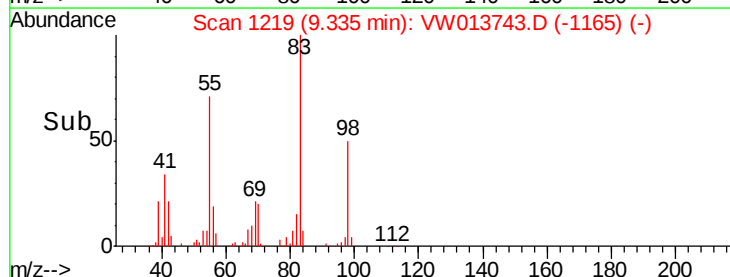
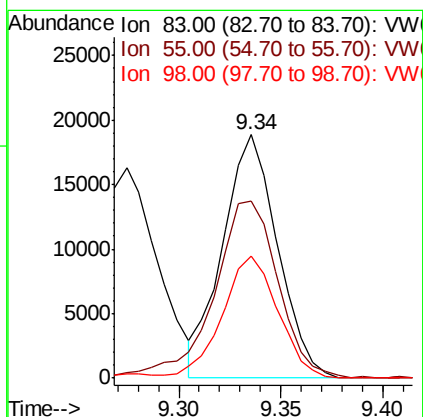
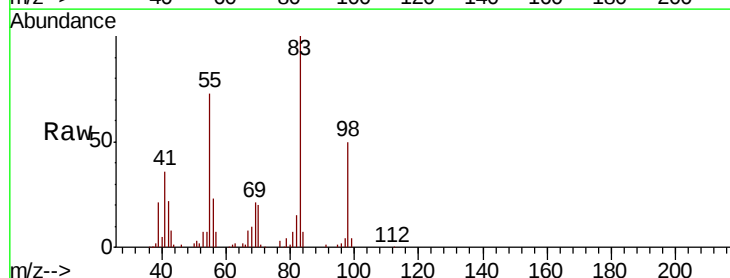
Instrument :
MSVOA_W
ClientSampleId :
BEK30

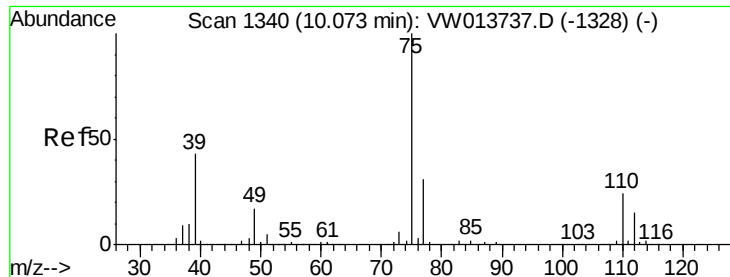
Tot Ion: 56 Resp: 19606
Ion Ratio Lower Upper
56 100
69 28.8 24.6 37.0
84 80.3 71.1 106.7



#36
Methylcyclohexane
Concen: 4.171 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013743.D
Acq: 25 Oct 2019 13:03

Tgt Ion: 83 Resp: 35210
Ion Ratio Lower Upper
83 100
55 85.5 60.2 90.4
98 51.1 39.1 58.7

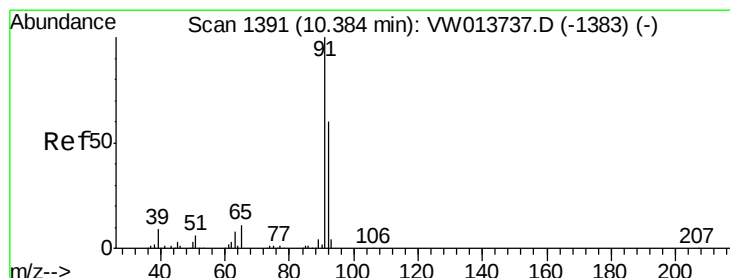
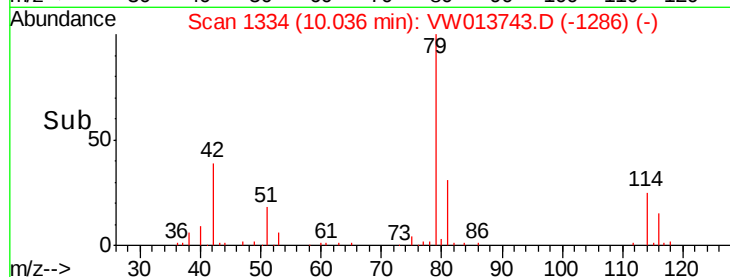
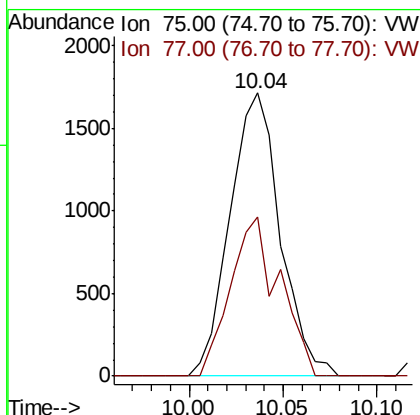
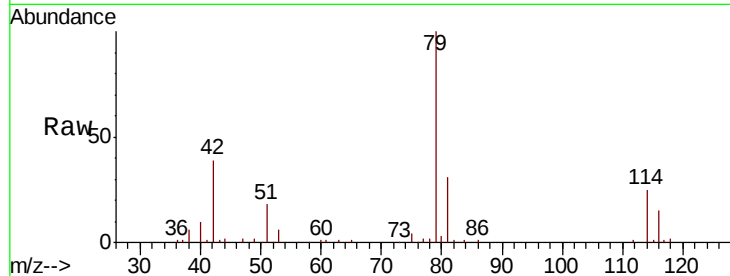




#42
 cis-1,3-Dichloropropene
 Concen: 0.441 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW013743.D
 Acq: 25 Oct 2019 13:03

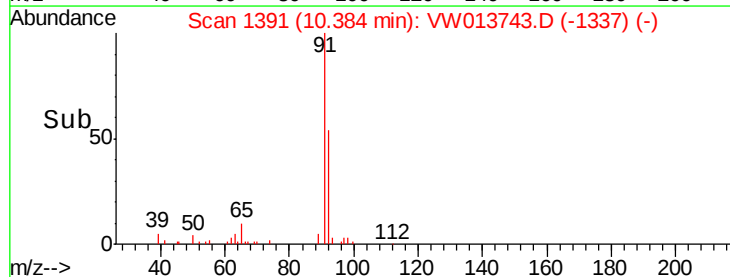
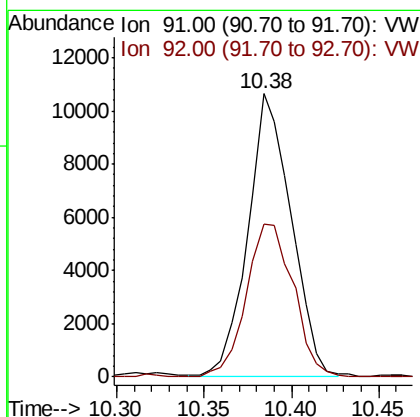
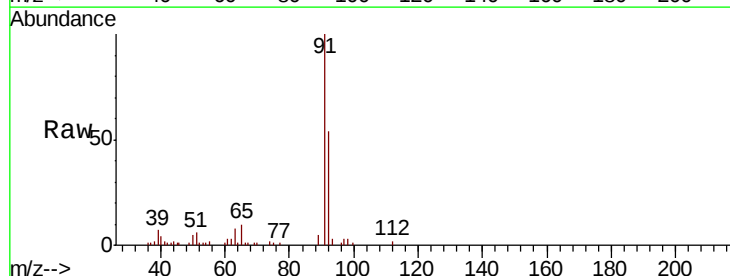
Instrument :
 MSVOA_W
 ClientSampleId :
 BEK30

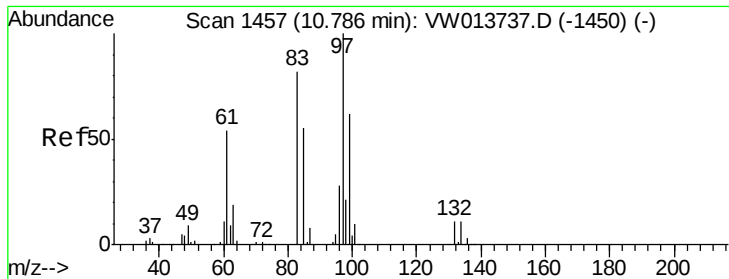
Tot Ion: 75 Resp: 3175
 Ion Ratio Lower Upper
 75 100
 77 56.3 22.5 41.9#



#44
 Toluene
 Concen: 0.915 ug/L
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013743.D
 Acq: 25 Oct 2019 13:03

Tgt Ion: 91 Resp: 18359
 Ion Ratio Lower Upper
 91 100
 92 54.1 42.0 78.0





#46

1,1,2-Trichloroethane

Concen: 0.873 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW013743.D

Acq: 25 Oct 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

BEK30

Tot Ion: 97 Resp: 3073

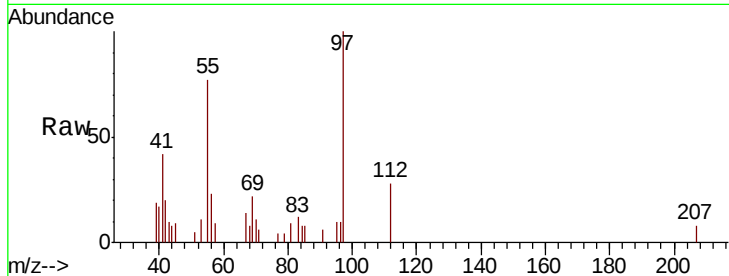
Ion Ratio Lower Upper

97 100

83 12.4 57.7 107.3#

85 8.1 38.6 71.6#

99 0.0 44.7 82.9#

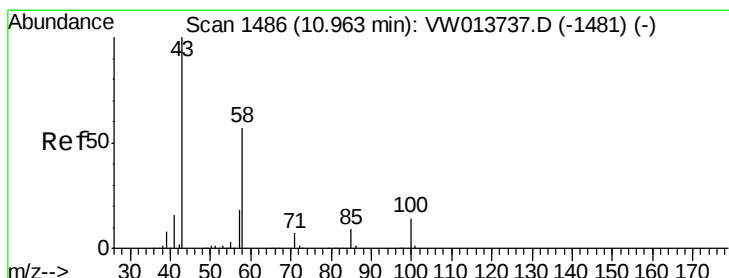
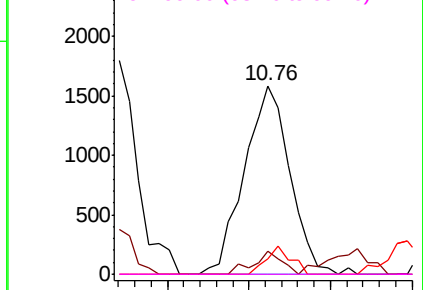
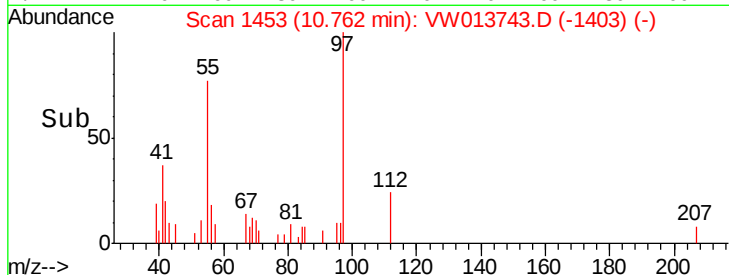


Abundance Ion 97.00 (96.70 to 97.70): VW

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



#49

2-Hexanone

Concen: 2.669 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW013743.D

Acq: 25 Oct 2019 13:03

Tgt Ion: 43 Resp: 5895

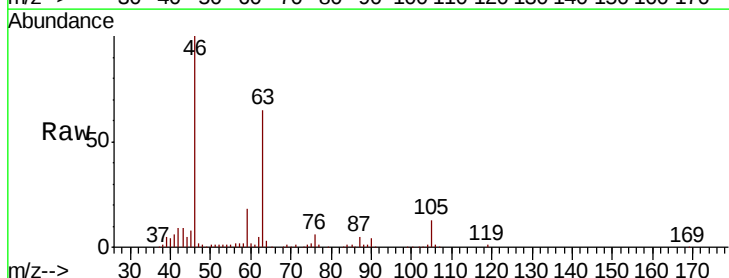
Ion Ratio Lower Upper

43 100

58 21.3 45.8 68.6#

57 38.2 15.4 23.2#

100 0.7 10.8 16.2#

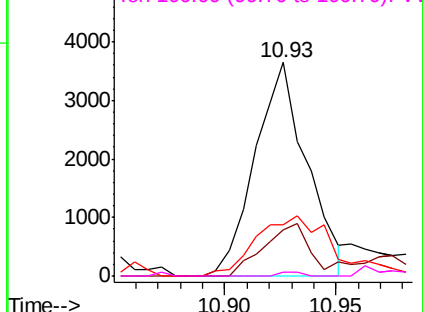
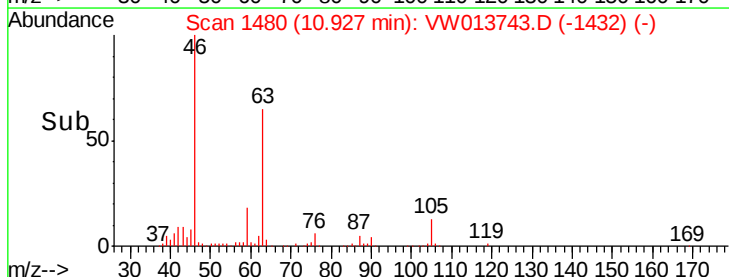


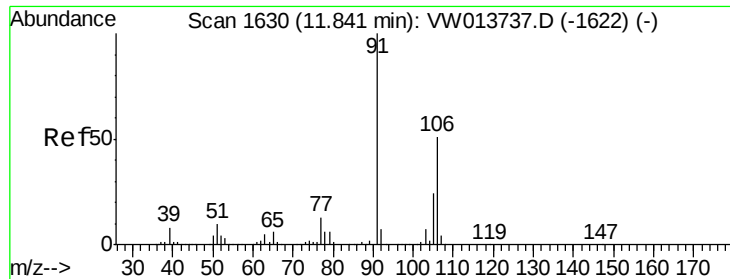
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#54

m,p-Xylene

Concen: 1.241 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013743.D

Acq: 25 Oct 2019 13:03

Instrument :

MSVOA_W

ClientSampled :

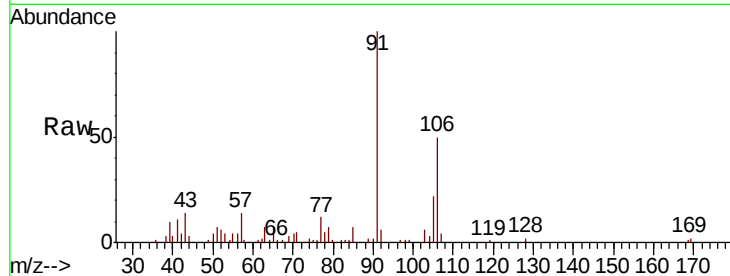
BEK30

Tot Ion:106 Resp: 10628

Ion Ratio Lower Upper

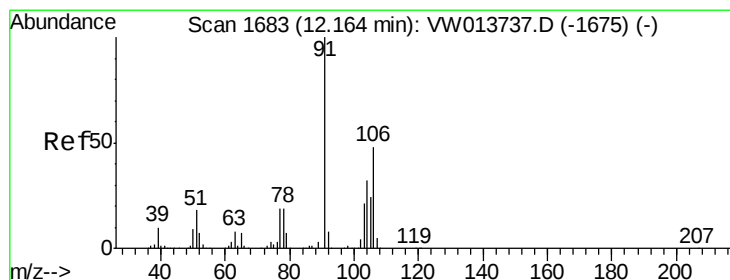
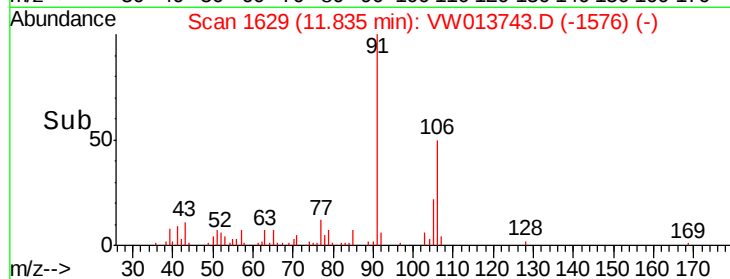
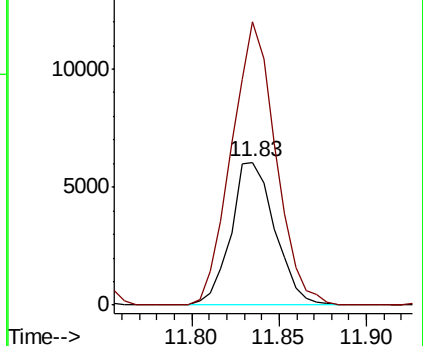
106 100

91 198.4 137.7 255.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.473 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW013743.D

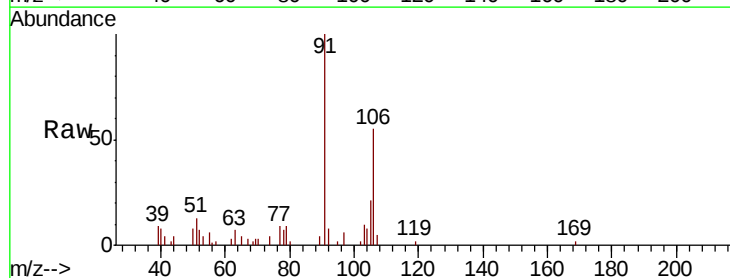
Acq: 25 Oct 2019 13:03

Tgt Ion:106 Resp: 3847

Ion Ratio Lower Upper

106 100

91 182.5 144.8 269.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

