

Data File : VW013798.D
Acq On : 29 Oct 2019 17:20
Operator : SY/VA
Sample : K5535-08RE
Misc : 5.67G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK30RE

Quant Time: Oct 30 07:03:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 06:58:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	311912	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	245418	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	80536	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	104230	27.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.96%
7) Chloroethane-d5	2.89	69	83420	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.40%
10) 1,1-Dichloroethene-d2	4.02	63	147543	17.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.84%
20) 2-Butanone-d5	7.07	46	66992	48.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.88%
24) Chloroform-d	7.65	84	210960	24.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.68%
26) 1,2-Dichloroethane-d4	8.31	65	116255	25.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.88%
29) Benzene-d6	8.27	84	451841	30.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	122.56%
33) 1,2-Dichloropropane-d6	9.27	67	138568	31.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	125.88%#
37) Toluene-d8	10.32	98	378991	27.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.48%
38) trans-1,3-Dichloropropene-	10.58	79	50873	25.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.44%
39) 2-Hexanone-d5	10.93	63	51214	60.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94717	26.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	76127	26.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.00%

Target Compounds

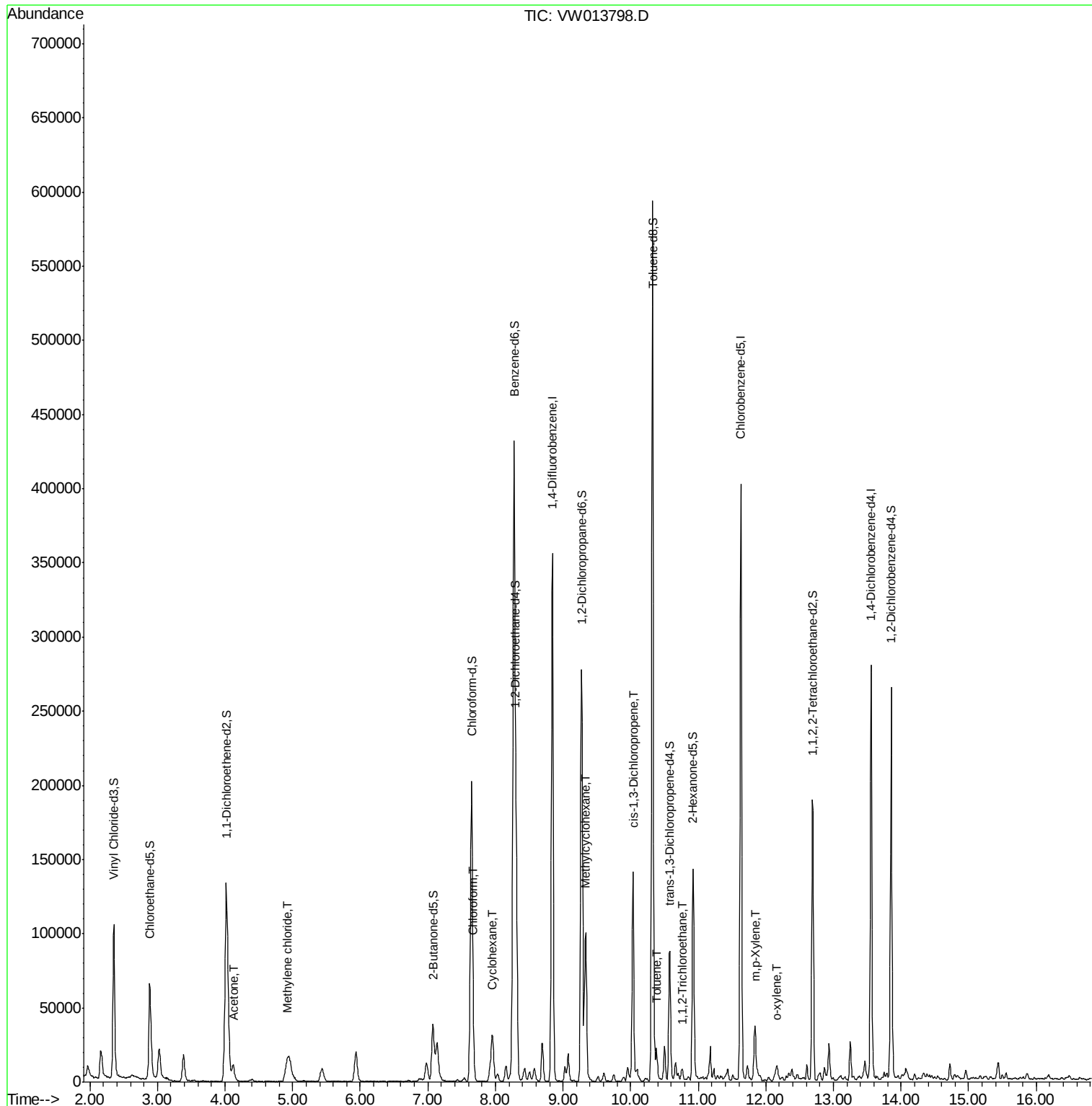
					Qvalue
13) Acetone	4.12	43	18001	11.849 ug/L	94
16) Methylene chloride	4.92	84	11362	1.902 ug/L	94
25) Chloroform	7.68	83	6477	0.695 ug/L	84
30) Cyclohexane	7.95	56	18520	2.576 ug/L	95
36) Methylcyclohexane	9.34	83	39301	4.935 ug/L	93
42) cis-1,3-Dichloropropene	10.04	75	3109	0.457 ug/L #	59
44) Toluene	10.38	91	14490	0.766 ug/L	93
46) 1,1,2-Trichloroethane	10.76	97	3163	0.953 ug/L #	19
54) m,p-Xylene	11.84	106	7504	0.929 ug/L	99
55) o-xylene	12.16	106	2539	0.331 ug/L	95

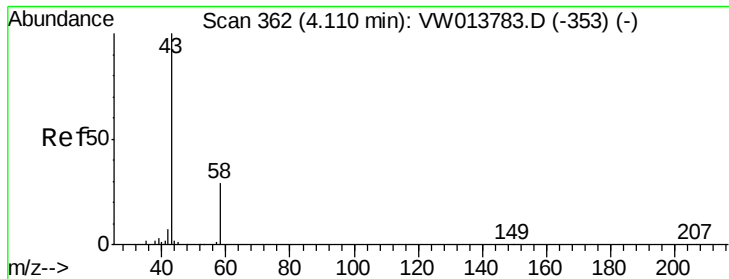
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 11.849 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013798.D

Acq: 29 Oct 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

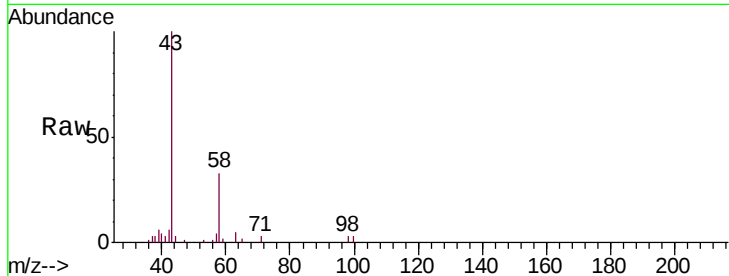
BEK30RE

Tgt Ion: 43 Resp: 18001

Ion Ratio Lower Upper

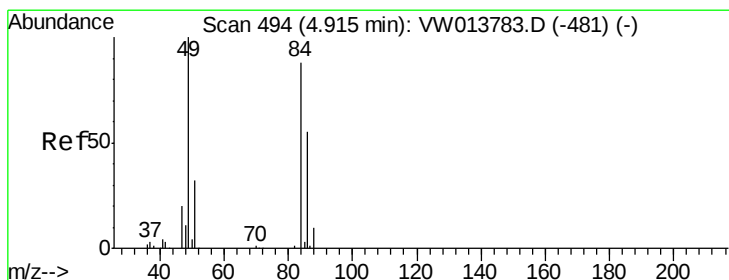
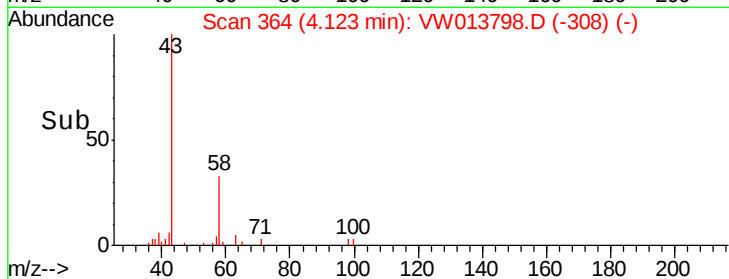
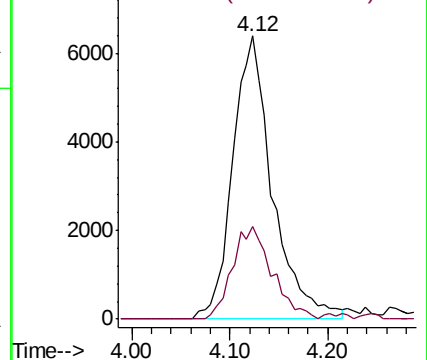
43 100

58 31.5 0.0 70.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.902 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW013798.D

Acq: 29 Oct 2019 17:20

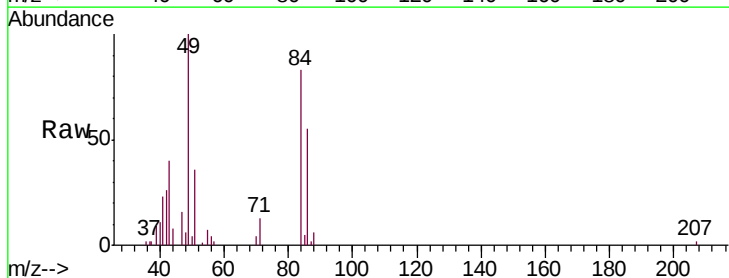
Tgt Ion: 84 Resp: 11362

Ion Ratio Lower Upper

84 100

49 120.3 80.2 148.9

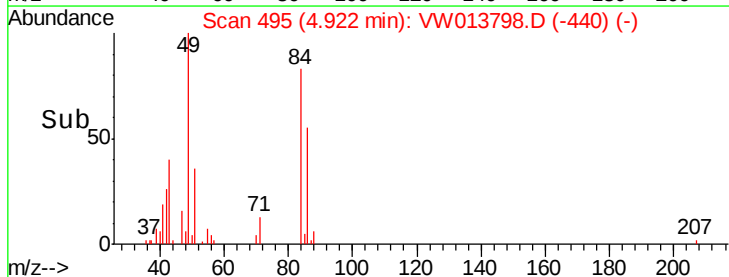
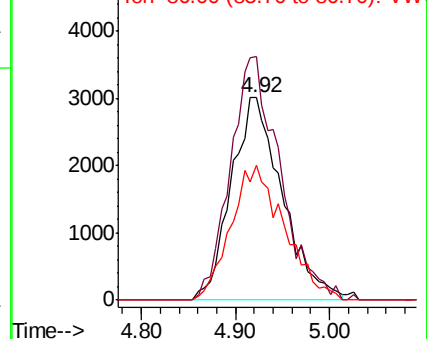
86 66.6 42.7 79.3

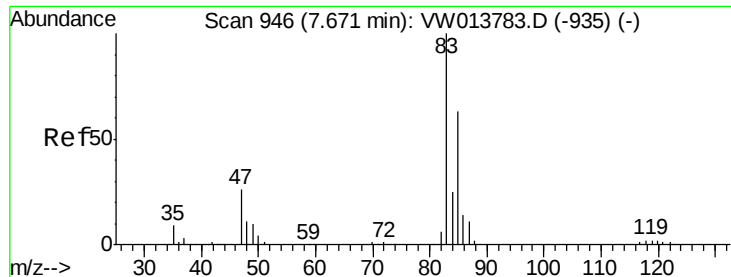


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

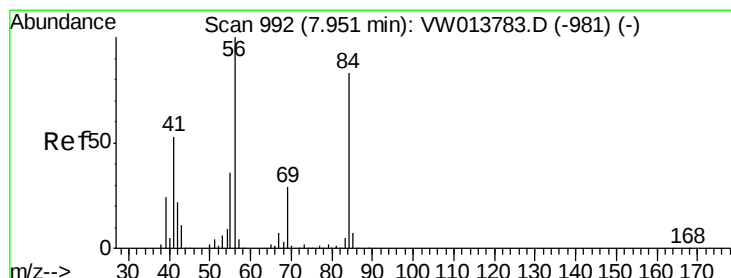
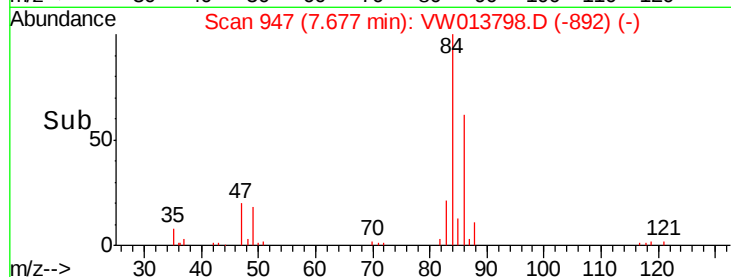
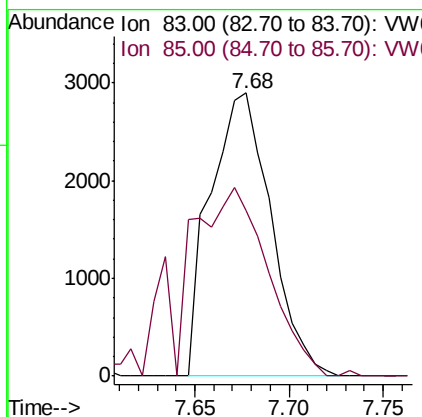
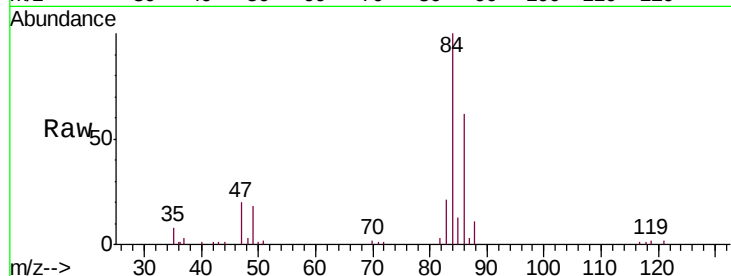




#25
Chloroform
Concen: 0.695 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013798.D
Acq: 29 Oct 2019 17:20

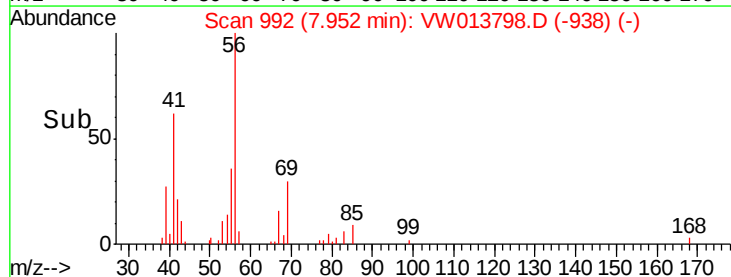
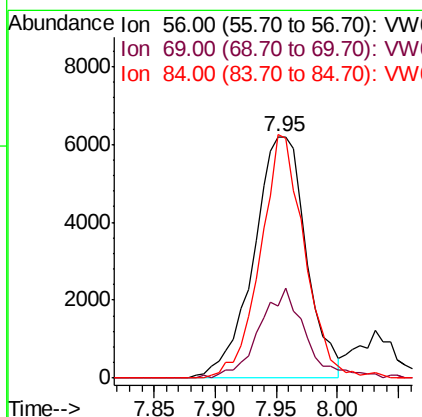
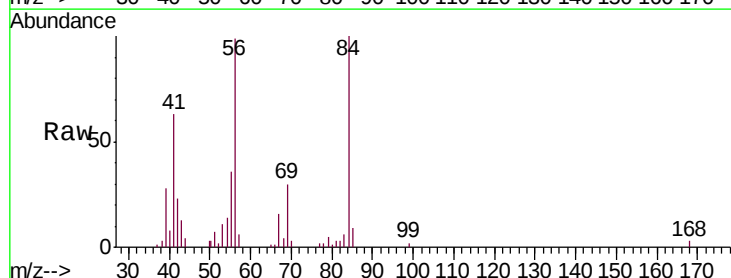
Instrument :
MSVOA_W
ClientSampleId :
BEK30RE

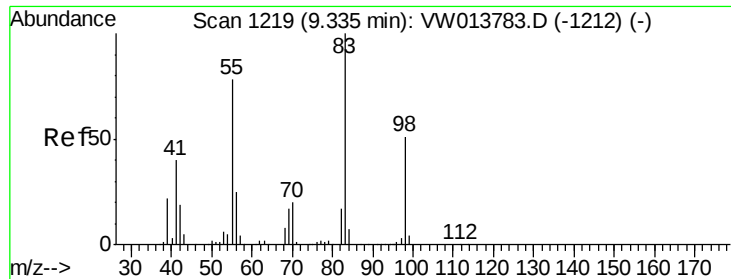
Tgt Ion: 83 Resp: 6477
Ion Ratio Lower Upper
83 100
85 53.3 46.1 85.7



#30
Cyclohexane
Concen: 2.576 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013798.D
Acq: 29 Oct 2019 17:20

Tgt Ion: 56 Resp: 18520
Ion Ratio Lower Upper
56 100
69 32.9 24.6 37.0
84 84.4 71.1 106.7

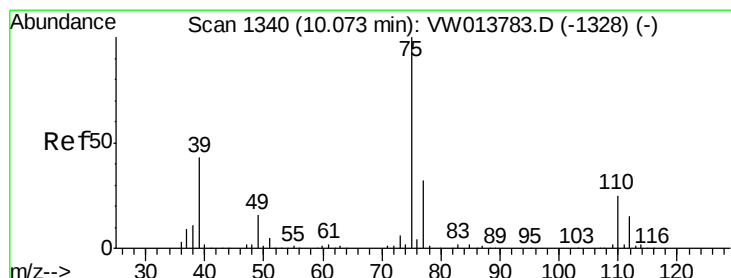
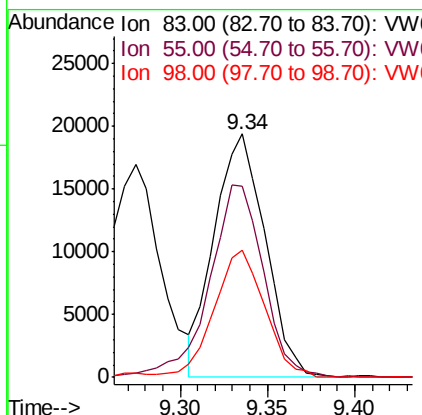
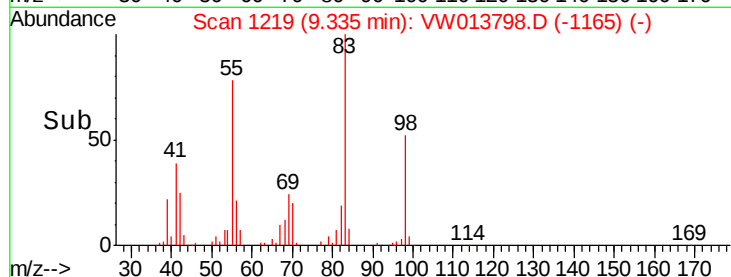
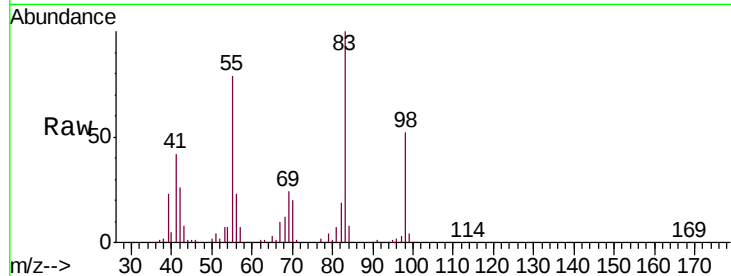




#36
Methylcyclohexane
Concen: 4.935 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013798.D
Acq: 29 Oct 2019 17:20

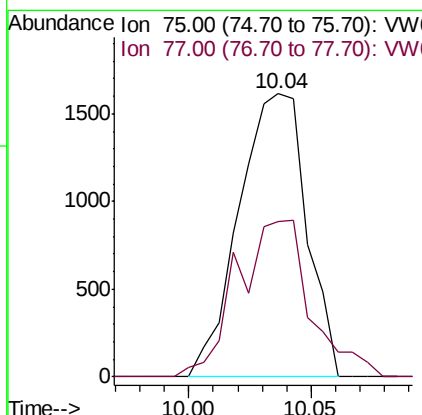
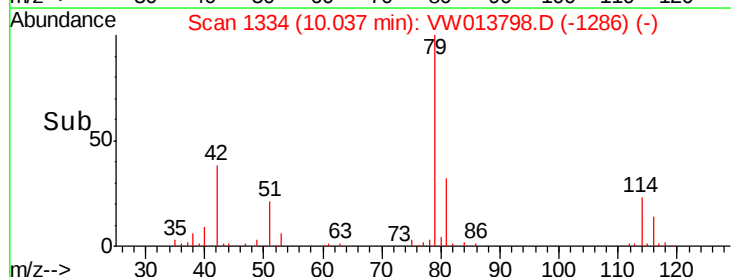
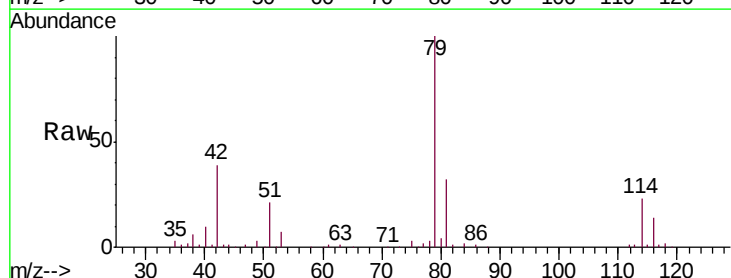
Instrument :
MSVOA_W
ClientSampleId :
BEK30RE

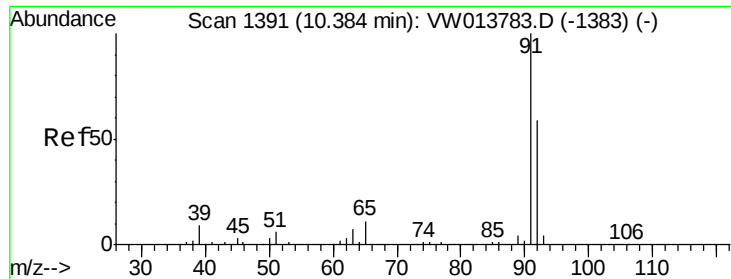
Tgt Ion: 83 Resp: 39301
Ion Ratio Lower Upper
83 100
55 83.1 60.2 90.4
98 52.1 39.1 58.7



#42
cis-1,3-Dichloropropene
Concen: 0.457 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW013798.D
Acq: 29 Oct 2019 17:20

Tgt Ion: 75 Resp: 3109
Ion Ratio Lower Upper
75 100
77 55.1 22.5 41.9#





#44

Toluene

Concen: 0.766 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013798.D

Acq: 29 Oct 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

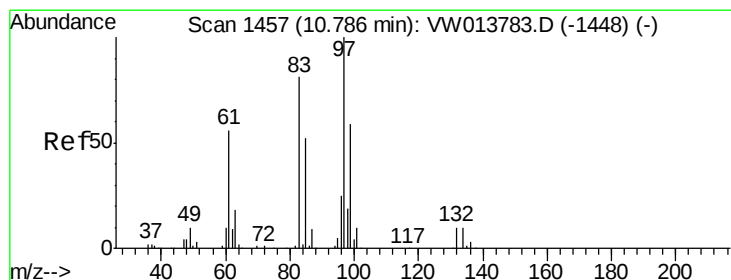
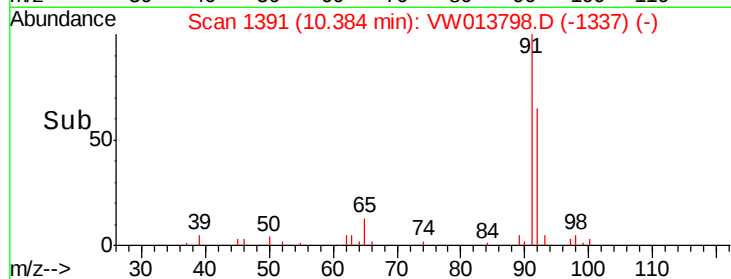
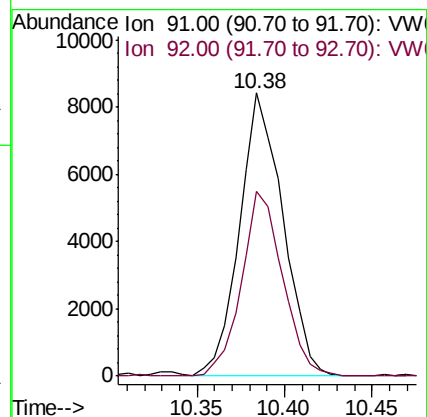
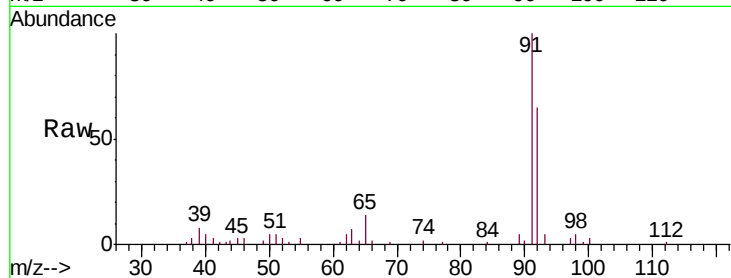
BEK30RE

Tgt Ion: 91 Resp: 14490

Ion Ratio Lower Upper

91 100

92 65.1 42.0 78.0



#46

1,1,2-Trichloroethane

Concen: 0.953 ug/L

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW013798.D

Acq: 29 Oct 2019 17:20

Tgt Ion: 97 Resp: 3163

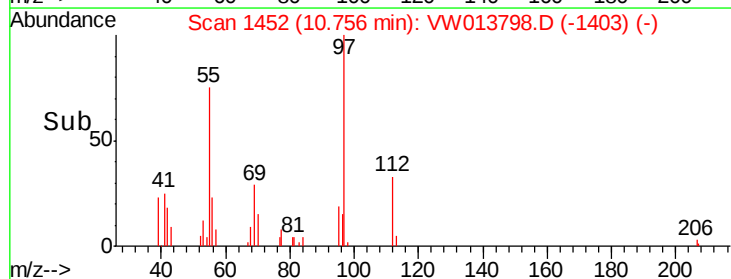
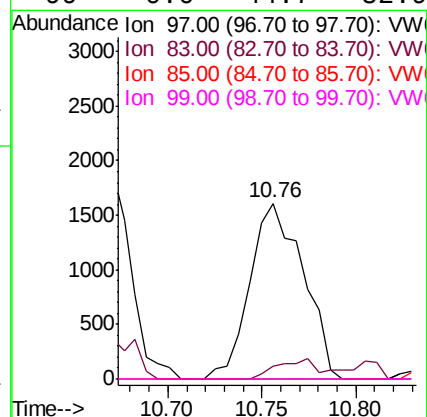
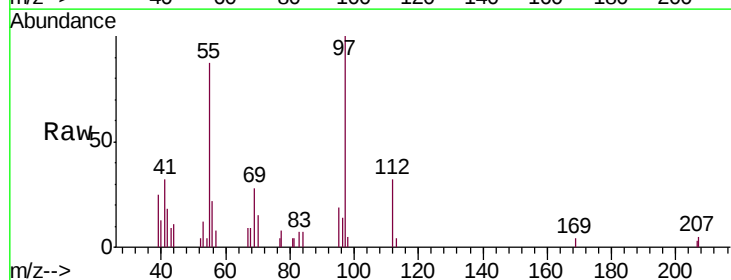
Ion Ratio Lower Upper

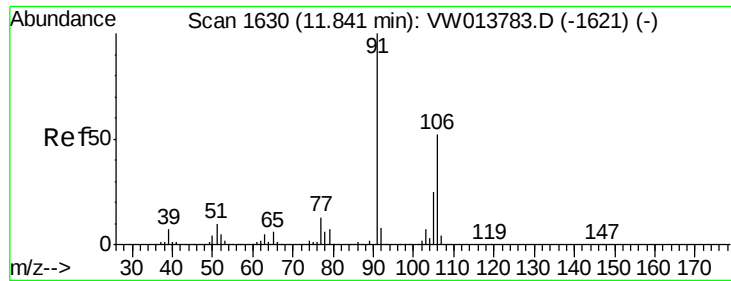
97 100

83 7.0 57.7 107.3#

85 0.0 38.6 71.6#

99 0.0 44.7 82.9#





#54

m,p-Xylene

Concen: 0.929 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW013798.D

Acq: 29 Oct 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

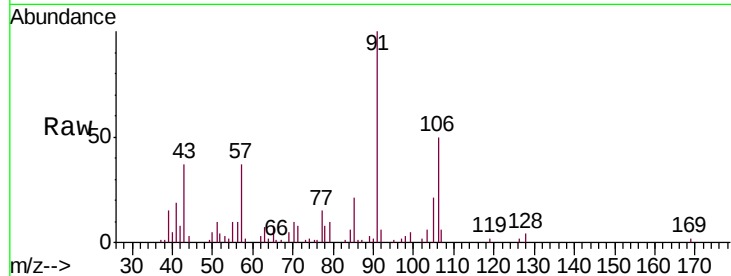
BEK30RE

Tgt Ion:106 Resp: 7504

Ion Ratio Lower Upper

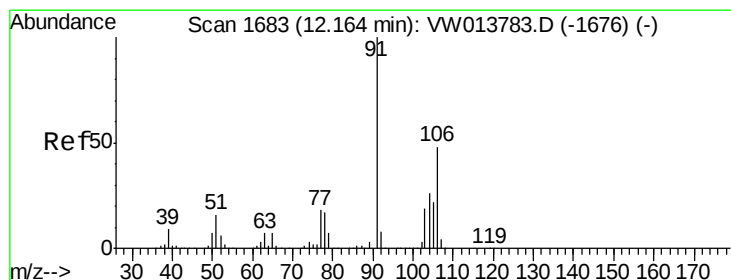
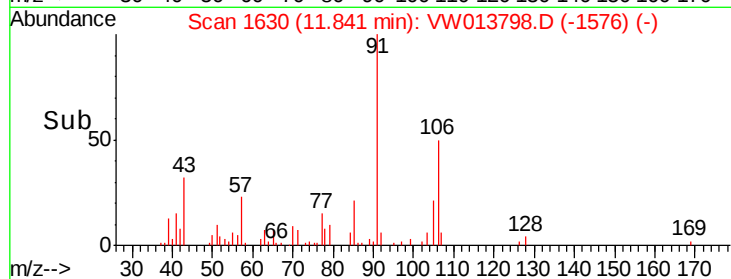
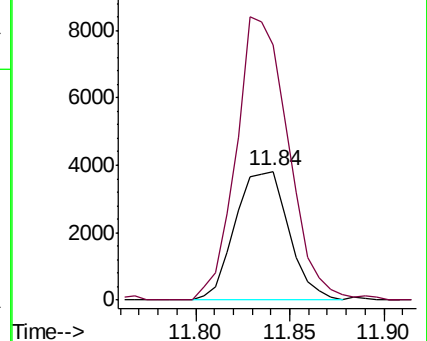
106 100

91 198.3 137.7 255.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.331 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013798.D

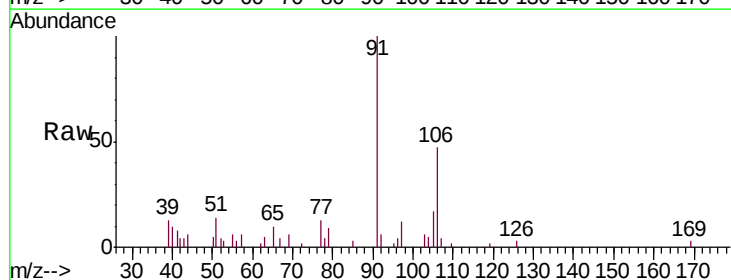
Acq: 29 Oct 2019 17:20

Tgt Ion:106 Resp: 2539

Ion Ratio Lower Upper

106 100

91 213.9 144.8 269.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

