

Data File : VW014233.D
Acq On : 06 Dec 2019 00:06
Operator : SY/VA
Sample : K6149-17
Misc : 5.98G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBBT6

Quant Time: Dec 06 06:55:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 06 06:50:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	978779	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	820769	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	306745	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	410431	27.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.76%
7) Chloroethane-d5	2.89	69	290940	26.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.60%
10) 1,1-Dichloroethene-d2	4.01	63	515698	19.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.80%
20) 2-Butanone-d5	7.07	46	172180	44.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.16%
24) Chloroform-d	7.64	84	632922	25.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	8.30	65	336066	25.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.88%
29) Benzene-d6	8.27	84	1357836	28.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.92%
33) 1,2-Dichloropropane-d6	9.27	67	417338	28.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.80%
37) Toluene-d8	10.32	98	1157695	26.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.48%
38) trans-1,3-Dichloropropene-	10.57	79	149801	24.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.52%
39) 2-Hexanone-d5	10.92	63	130551	44.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	287238	23.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	299044	25.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.04%

Target Compounds

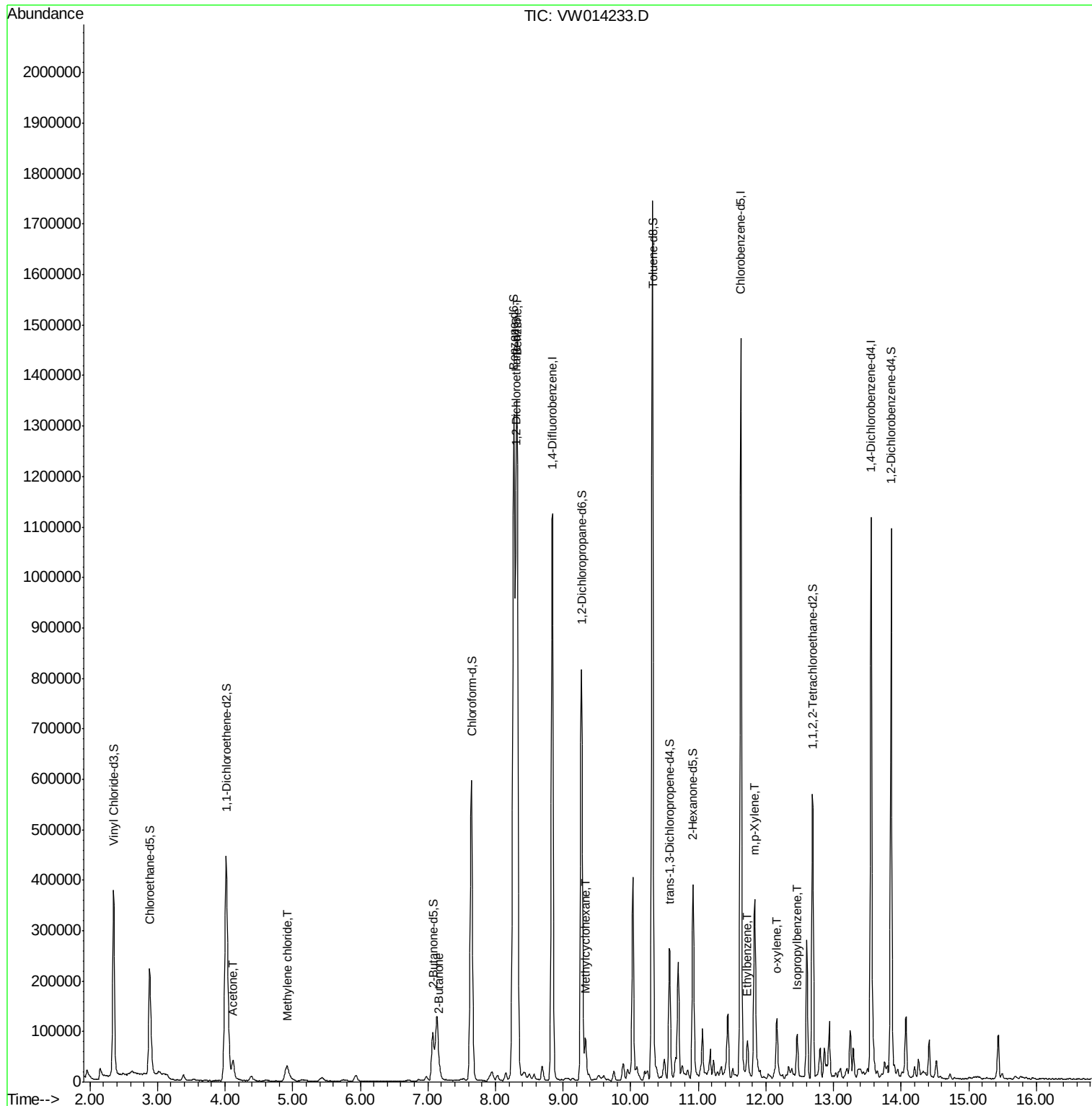
					Qvalue
13) Acetone	4.12	43	63509	17.055 ug/L	97
16) Methylene chloride	4.92	84	24273	1.618 ug/L	95
21) 2-Butanone	7.17	43	25807	5.162 ug/L	96
34) Benzene	8.32	78	1158259	22.287 ug/L	100
36) Methylcyclohexane	9.34	83	26908	1.204 ug/L #	83
53) Ethylbenzene	11.73	91	43310	0.733 ug/L	96
54) m,p-Xylene	11.83	106	111071	4.884 ug/L	100
55) o-xylene	12.16	106	31469	1.459 ug/L	98
57) Isopropylbenzene	12.46	105	53535	0.956 ug/L	97

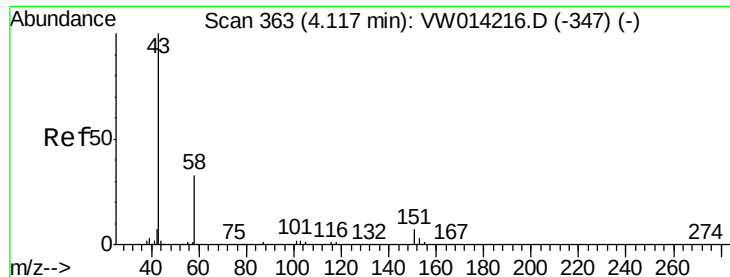
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 17.055 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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Acq: 06 Dec 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

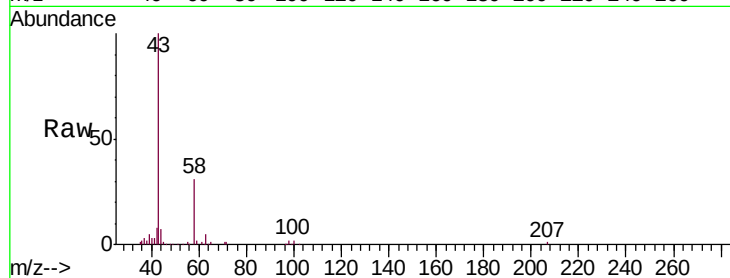
DBBT6

Tgt Ion: 43 Resp: 63509

Ion Ratio Lower Upper

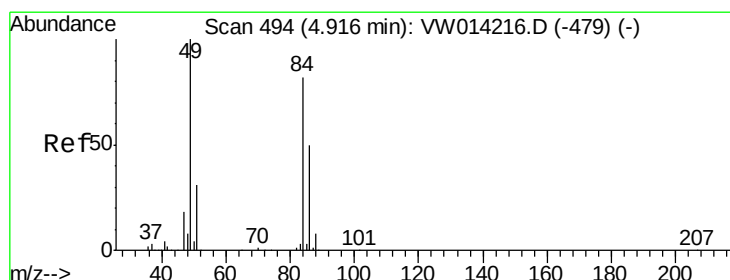
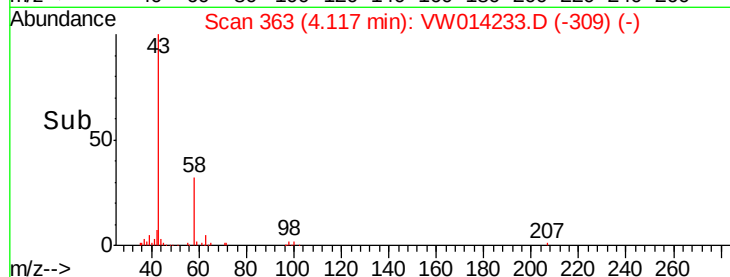
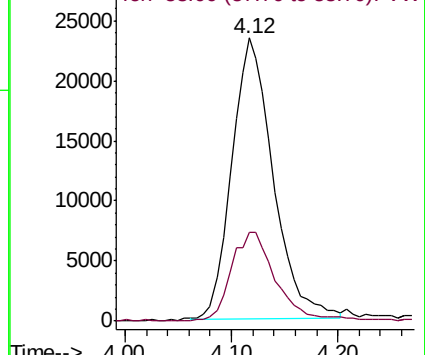
43 100

58 34.4 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.618 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW014233.D

Acq: 06 Dec 2019 00:06

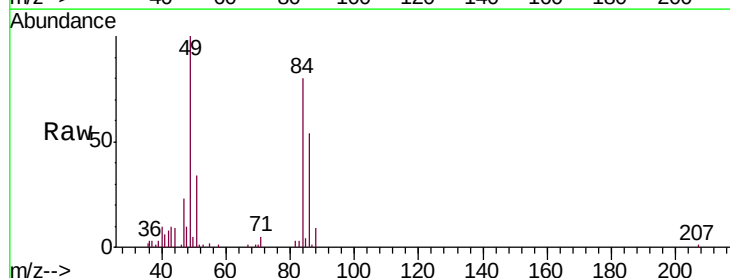
Tgt Ion: 84 Resp: 24273

Ion Ratio Lower Upper

84 100

49 124.9 84.2 156.4

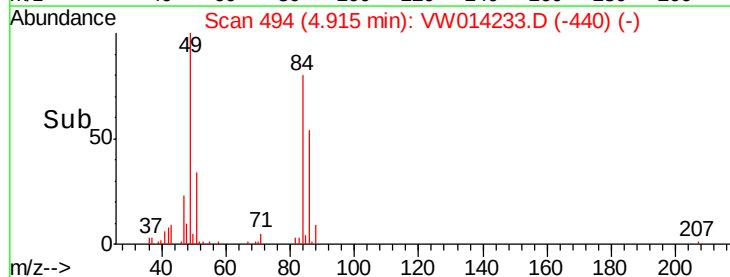
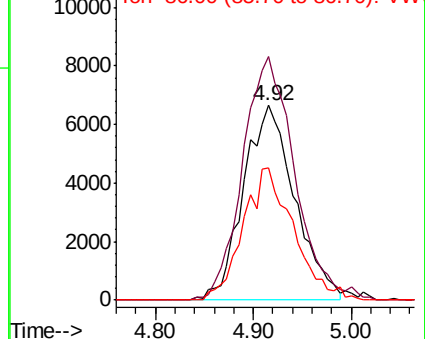
86 67.6 43.7 81.1

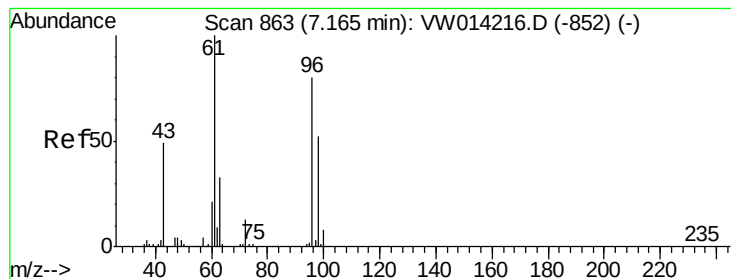


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 5.162 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

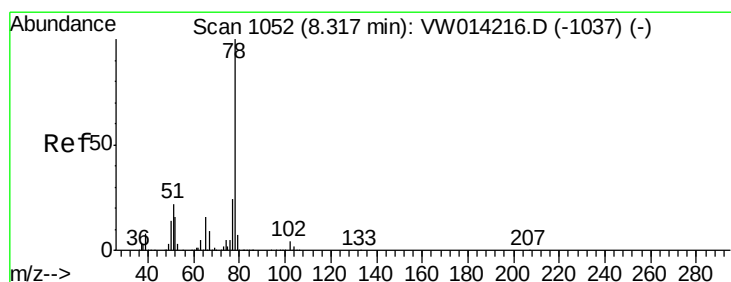
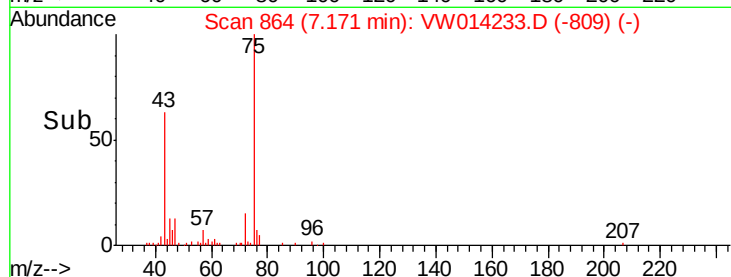
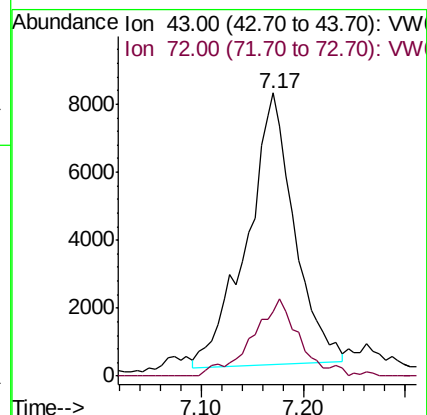
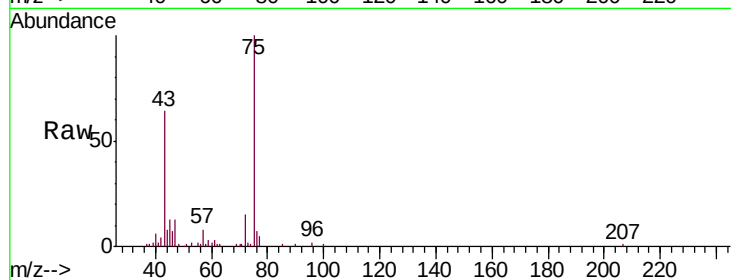
DBBT6

Tgt Ion: 43 Resp: 25807

Ion Ratio Lower Upper

43 100

72 25.8 14.1 42.2



#34

Benzene

Concen: 22.287 ug/L

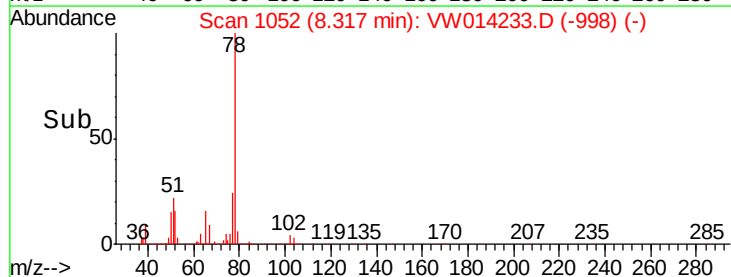
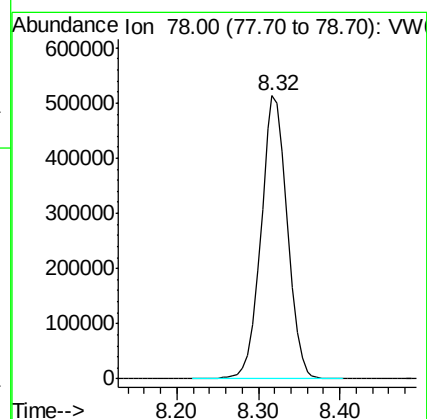
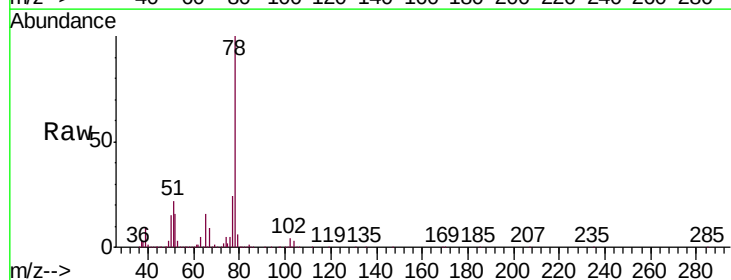
RT: 8.32 min Scan# 1052

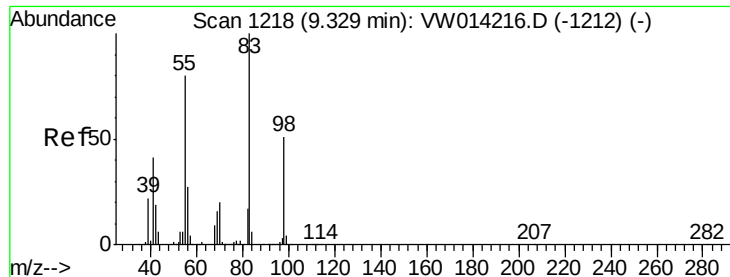
Delta R.T. -0.00 min

Lab File: VW014233.D

Acq: 06 Dec 2019 00:06

Tgt Ion: 78 Resp: 1158259

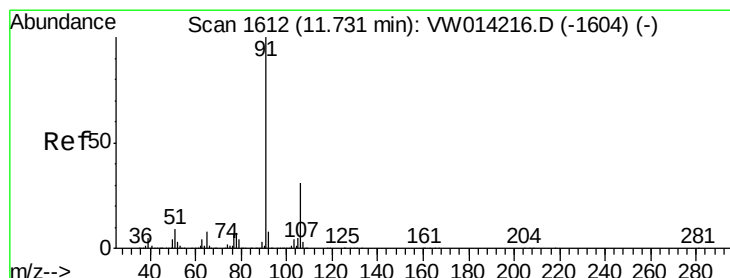
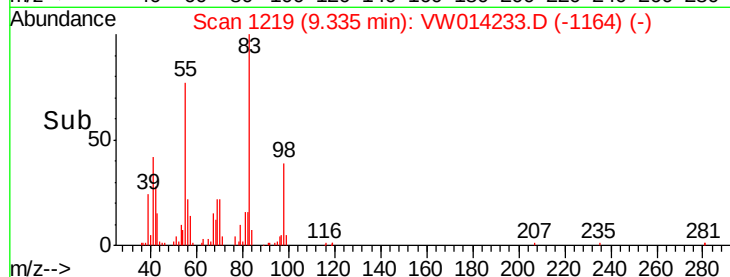
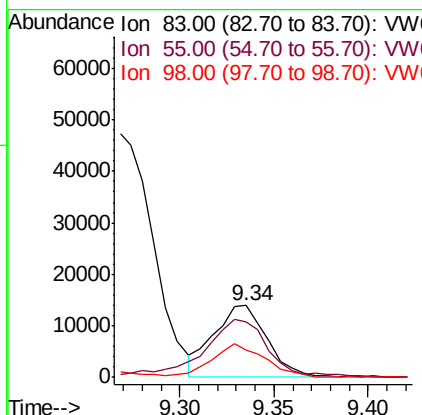
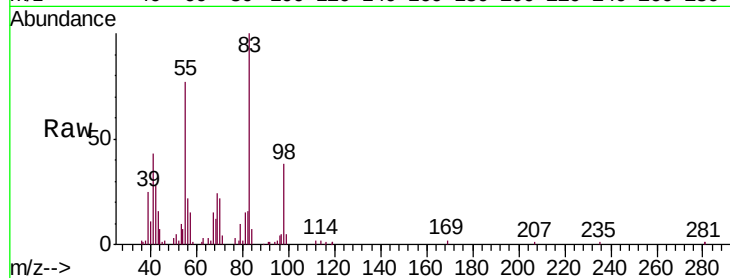




#36
Methylcyclohexane
Concen: 1.204 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW014233.D
Acq: 06 Dec 2019 00:06

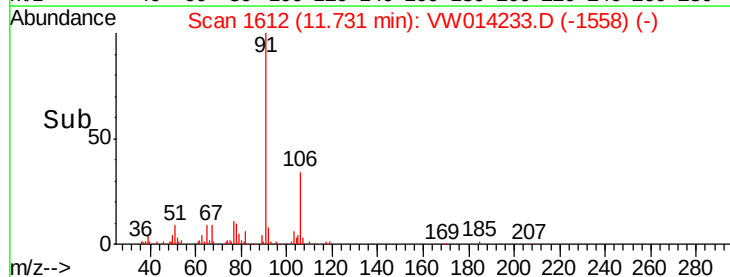
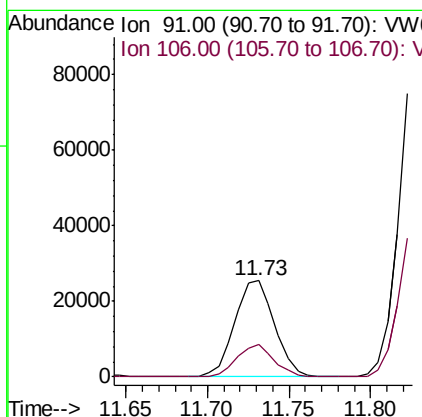
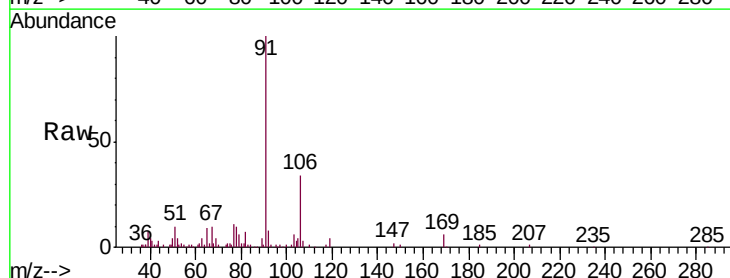
Instrument :
MSVOA_W
ClientSampleId :
DBBT6

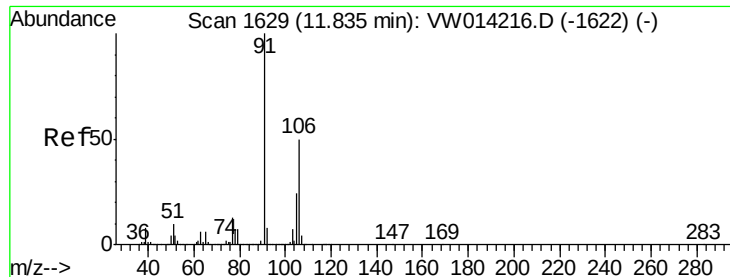
Tgt Ion: 83 Resp: 26908
Ion Ratio Lower Upper
83 100
55 97.3 59.8 89.8#
98 47.5 39.5 59.3



#53
Ethylbenzene
Concen: 0.733 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014233.D
Acq: 06 Dec 2019 00:06

Tgt Ion: 91 Resp: 43310
Ion Ratio Lower Upper
91 100
106 33.9 22.3 41.5





#54

m,p-Xylene

Concen: 4.884 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014233.D

Acq: 06 Dec 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

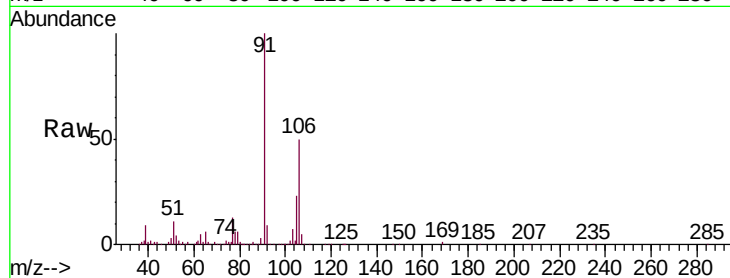
DBBT6

Tgt Ion:106 Resp: 111071

Ion Ratio Lower Upper

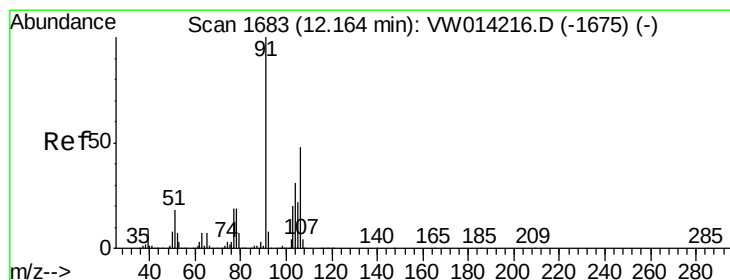
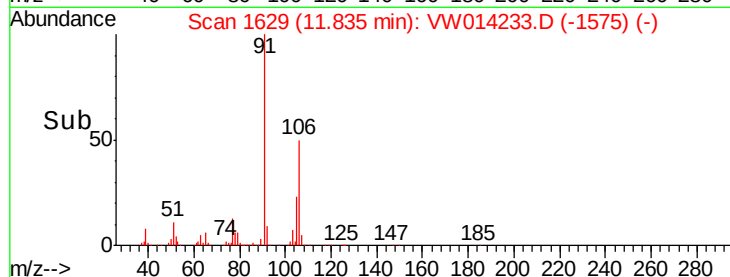
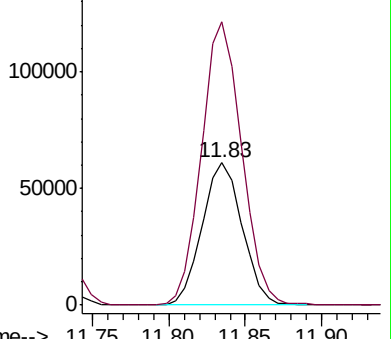
106 100

91 198.8 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 1.459 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014233.D

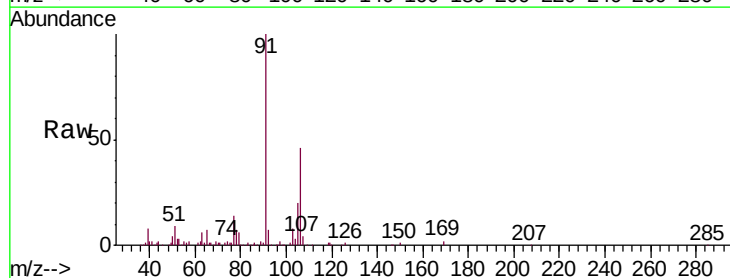
Acq: 06 Dec 2019 00:06

Tgt Ion:106 Resp: 31469

Ion Ratio Lower Upper

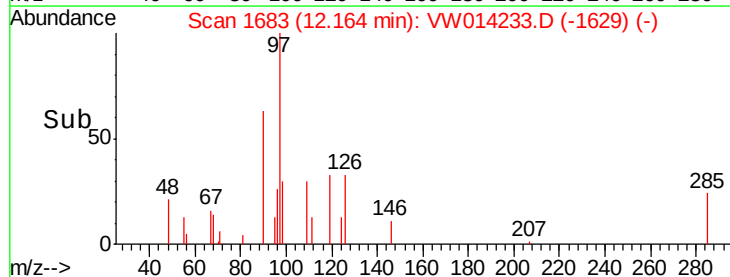
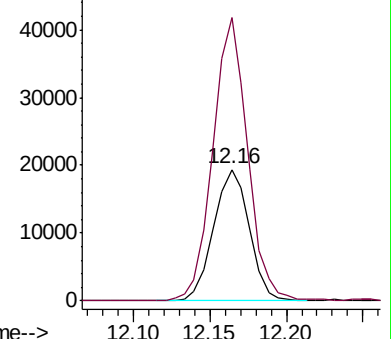
106 100

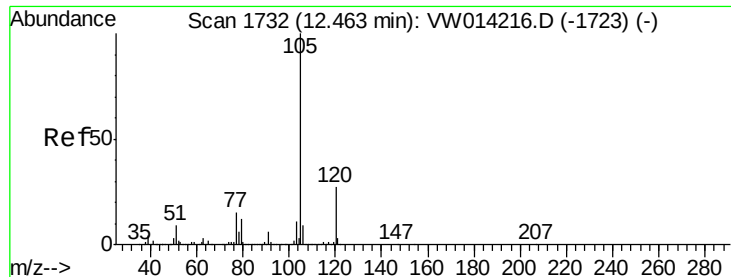
91 215.3 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 0.956 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014233.D

Acq: 06 Dec 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

DBBT6

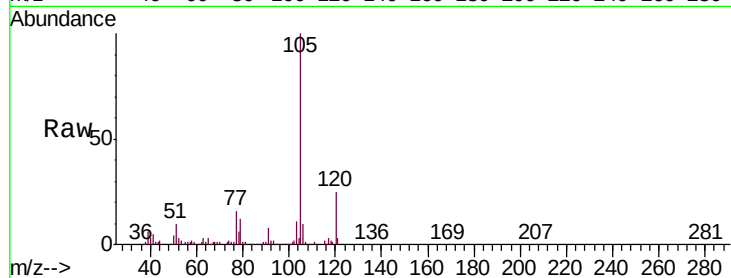
Tgt Ion:105 Resp: 53535

Ion Ratio Lower Upper

105 100

120 25.9 21.6 32.4

77 16.2 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

