

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032620\
 Data File : VW015148.D
 Acq On : 26 Mar 2020 14:16
 Operator : SY/VA
 Sample : L2045-02RE
 Misc : 8.25G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AB9RE

Quant Time: Mar 27 01:50:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 27 01:00:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	223164	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	103307	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	16974	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132737	34.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	137.80%
7) Chloroethane-d5	2.89	69	121477	38.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	152.88%#
10) 1,1-Dichloroethene-d2	4.01	63	143859	18.57	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.28%
20) 2-Butanone-d5	7.08	46	42911	48.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.84%
24) Chloroform-d	7.64	84	179256	26.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.52%
26) 1,2-Dichloroethane-d4	8.31	65	106129	27.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.92%
29) Benzene-d6	8.27	84	313497	47.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	189.64%#
33) 1,2-Dichloropropane-d6	9.27	67	108032	49.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	196.72%#
37) Toluene-d8	10.32	98	164794	29.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.96%
38) trans-1,3-Dichloropropene-	10.57	79	30230	35.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	143.84%#
39) 2-Hexanone-d5	10.93	63	24391	75.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	150.36%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	34547	23.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	11664	19.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.00%

Target Compounds

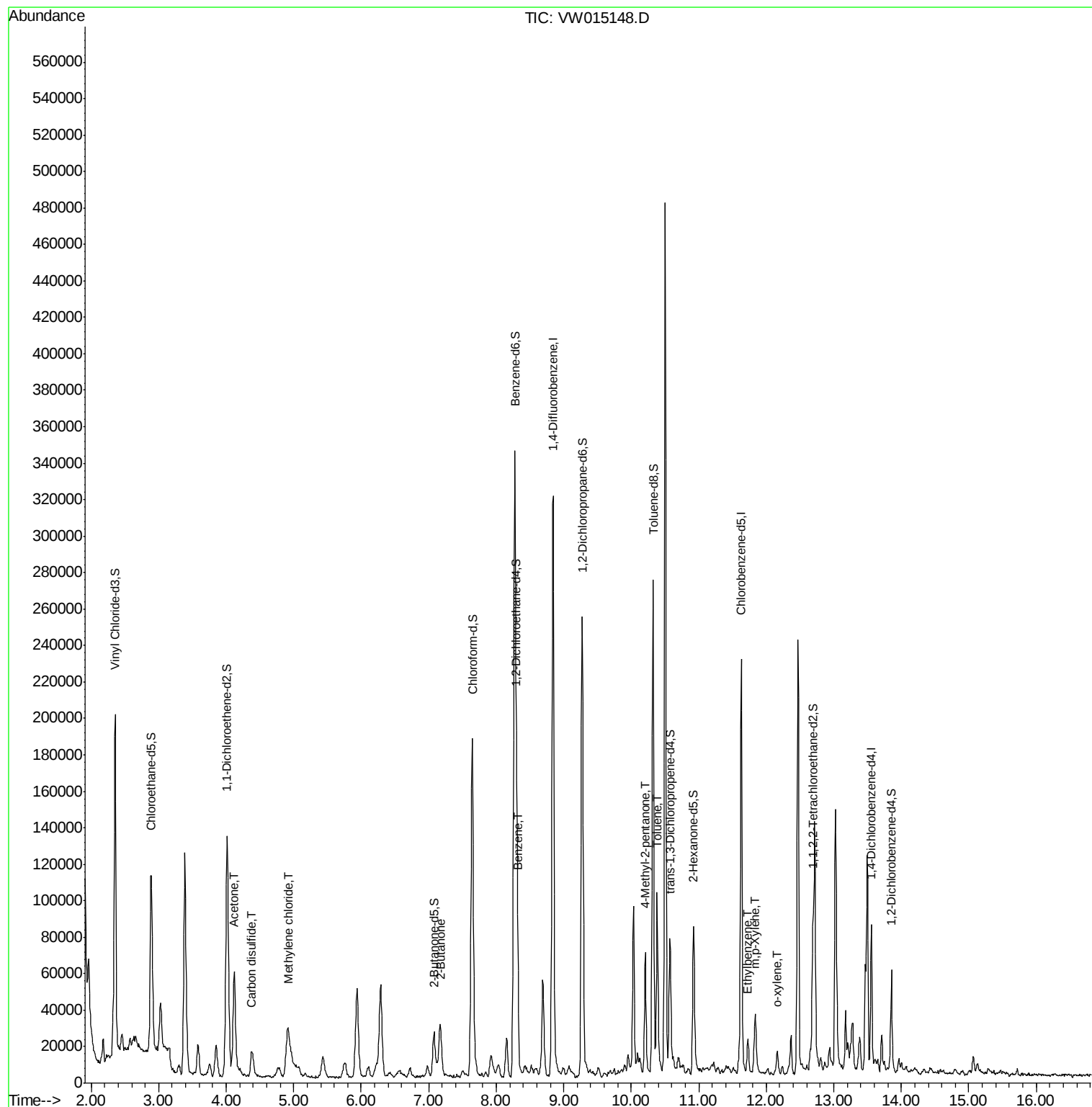
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	100026	127.756	ug/L	99
14) Carbon disulfide	4.37	76	15241	1.240	ug/L	98
16) Methylene chloride	4.92	84	16140	4.231	ug/L	95
21) 2-Butanone	7.17	43	46084	41.557	ug/L	95
34) Benzene	8.32	78	5171	0.677	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	43188	36.218	ug/L	97
44) Toluene	10.38	91	66164	8.755	ug/L	98
53) Ethylbenzene	11.73	91	8580	1.051	ug/L	92
54) m,p-Xylene	11.83	106	5948	2.079	ug/L	86
55) o-xylene	12.17	106	2391	0.891	ug/L	71

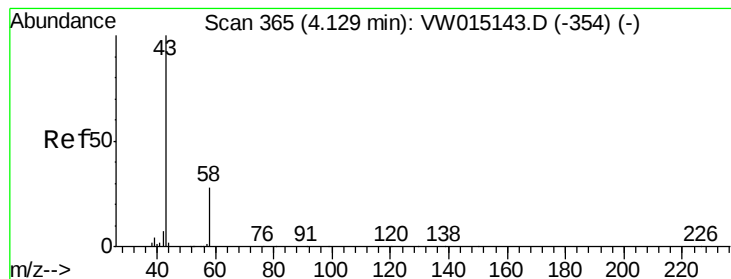
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 01:00:03 2020
Response via : Initial Calibration





#13

Acetone

Concen: 127.756 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW015148.D

Acq: 26 Mar 2020 14:16

Instrument :

MSVOA_W

ClientSampleId :

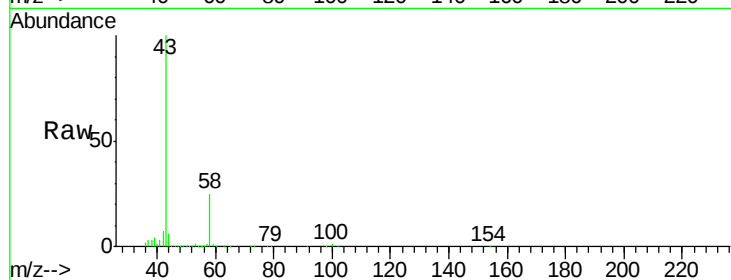
C0AB9RE

Tot Ion: 43 Resp: 100026

Ion Ratio Lower Upper

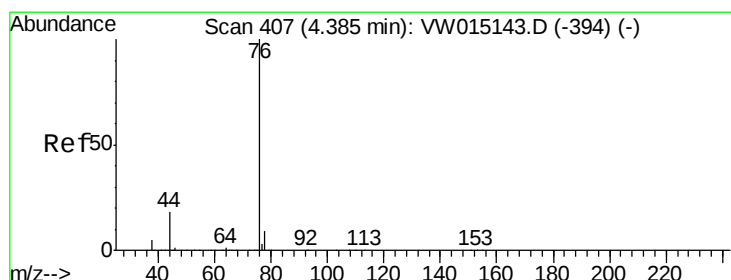
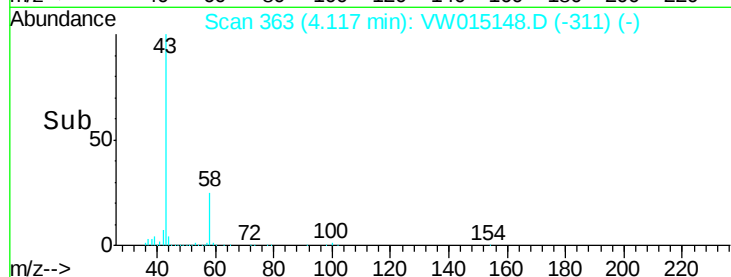
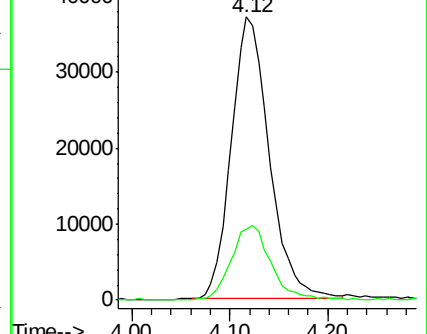
43 100

58 26.6 0.0 54.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.240 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW015148.D

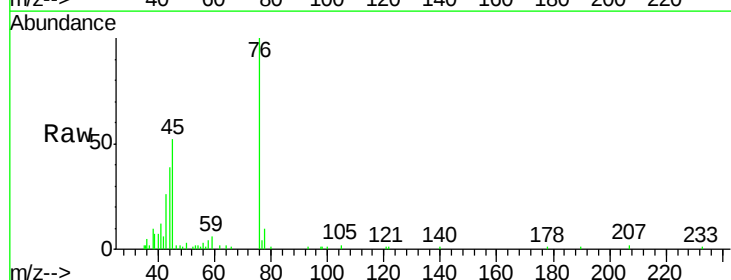
Acq: 26 Mar 2020 14:16

Tgt Ion: 76 Resp: 15241

Ion Ratio Lower Upper

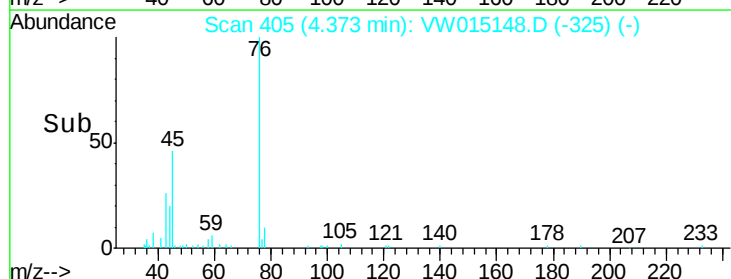
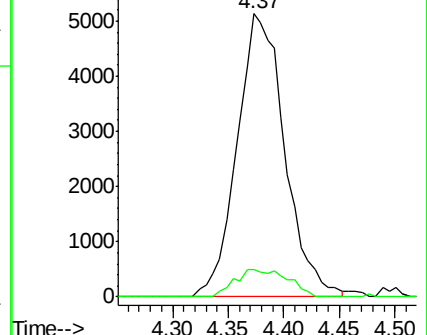
76 100

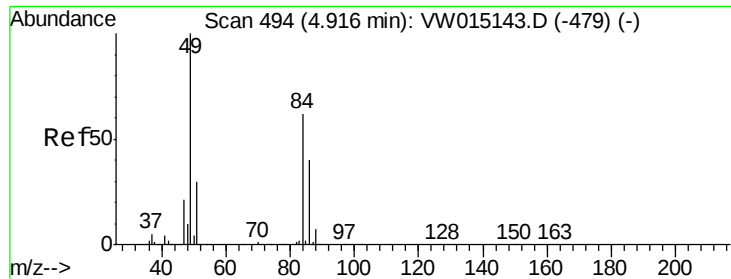
78 9.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

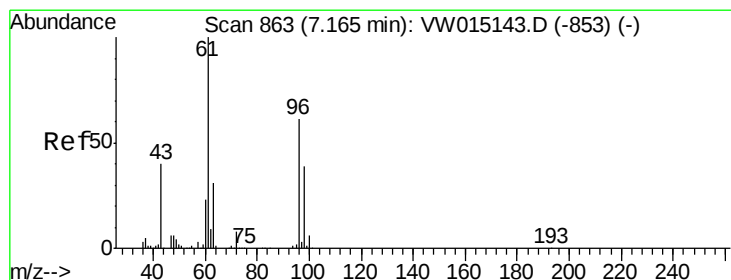
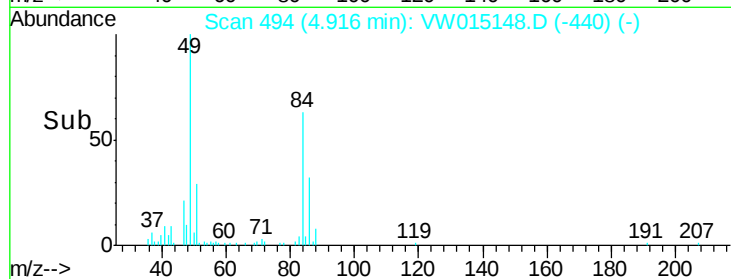
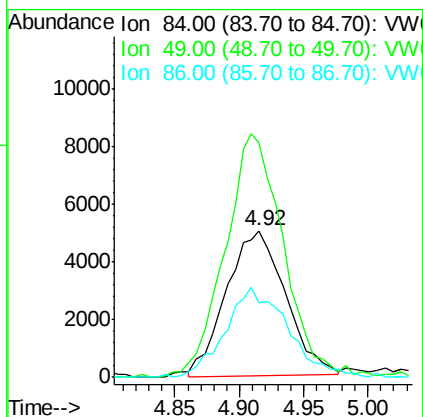
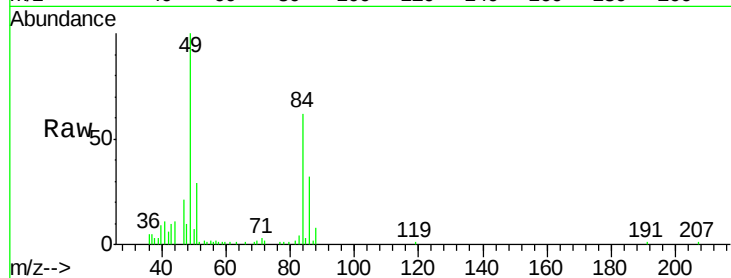




#16
Methylene chloride
Concen: 4.231 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015148.D
Acq: 26 Mar 2020 14:16

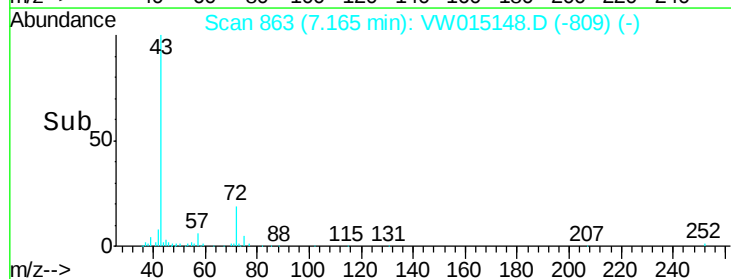
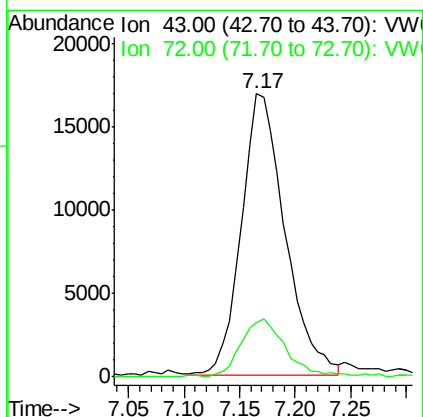
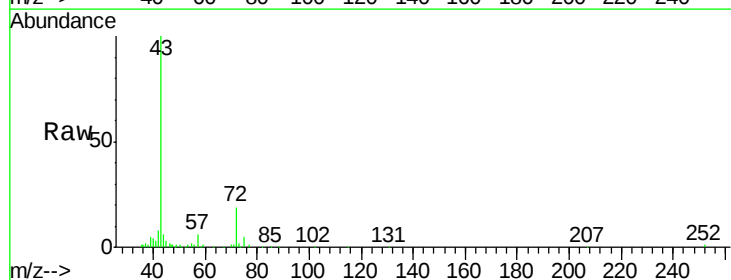
Instrument :
MSVOA_W
ClientSampled :
C0AB9RE

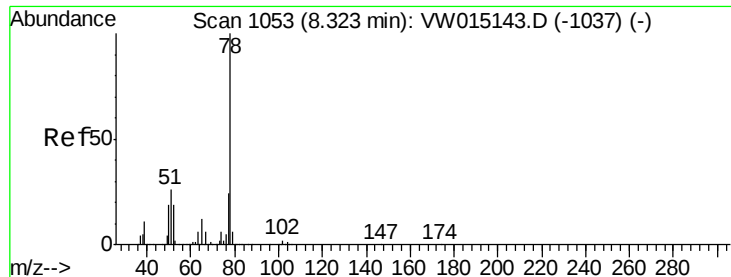
Tot Ion: 84 Resp: 16140
Ion Ratio Lower Upper
84 100
49 160.2 111.7 207.5
86 50.7 44.7 82.9



#21
2-Butanone
Concen: 41.557 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015148.D
Acq: 26 Mar 2020 14:16

Tgt Ion: 43 Resp: 46084
Ion Ratio Lower Upper
43 100
72 21.0 11.7 35.0





#34

Benzene

Concen: 0.677 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015148.D

Acq: 26 Mar 2020 14:16

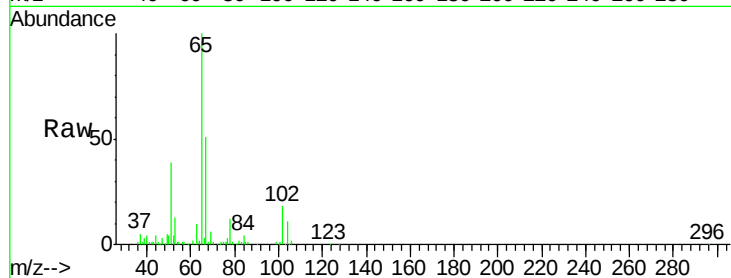
Instrument :

MSVOA_W

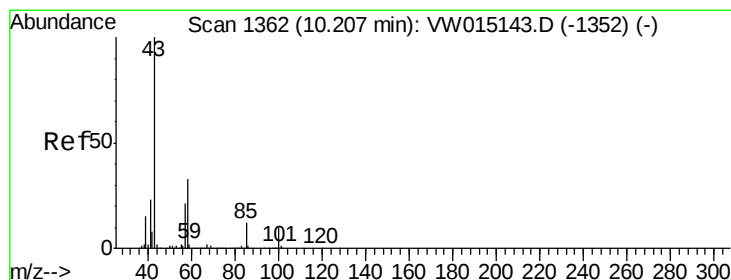
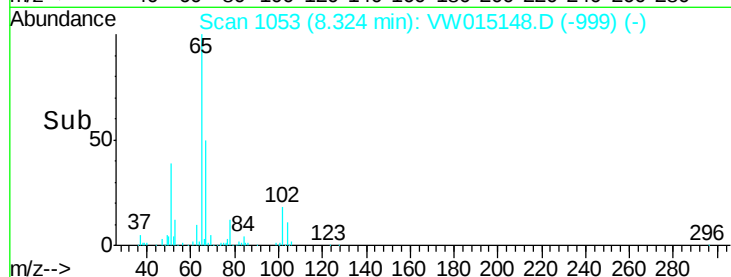
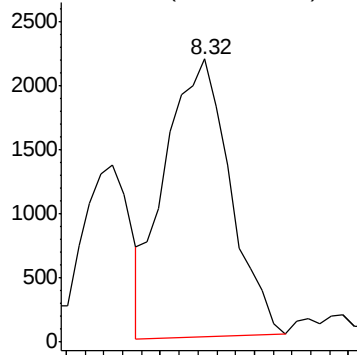
ClientSampleId :

C0AB9RE

Tgt Ion: 78 Resp: 5171



Abundance Ion 78.00 (77.70 to 78.70): VW



#43

4-Methyl-2-pentanone

Concen: 36.218 ug/L

RT: 10.21 min Scan# 1362

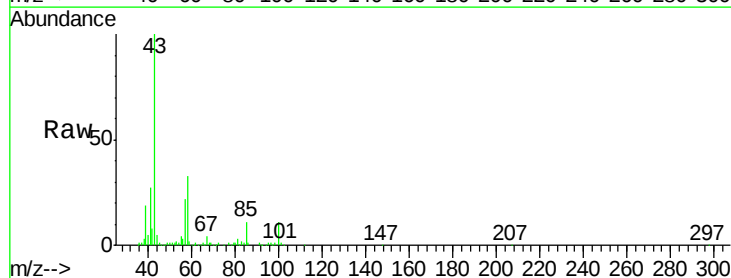
Delta R.T. 0.00 min

Lab File: VW015148.D

Acq: 26 Mar 2020 14:16

Tgt Ion: 43 Resp: 43188

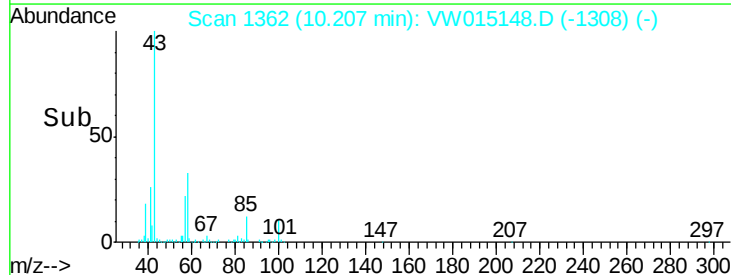
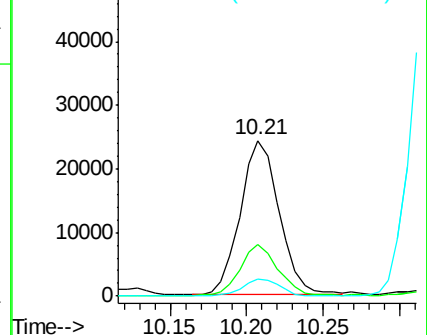
Ion	Ratio	Lower	Upper
43	100		
58	32.8	27.9	41.9
100	10.8	8.9	13.3

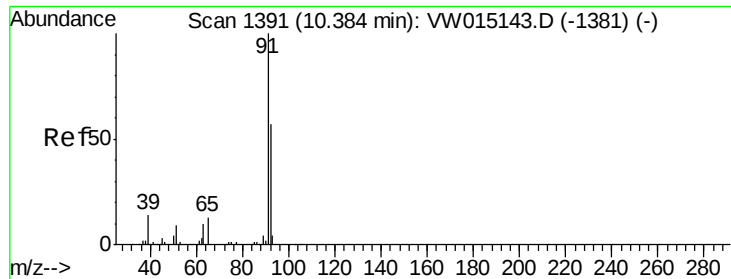


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 8.755 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015148.D

Acq: 26 Mar 2020 14:16

Instrument :

MSVOA_W

ClientSampleId :

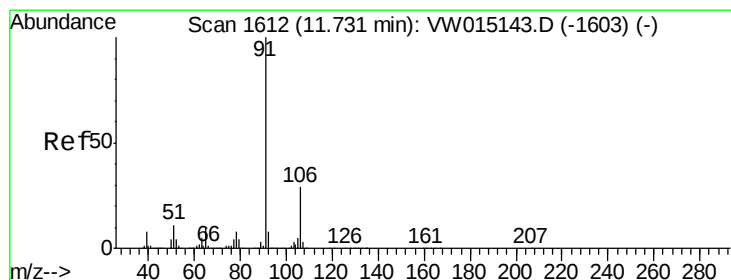
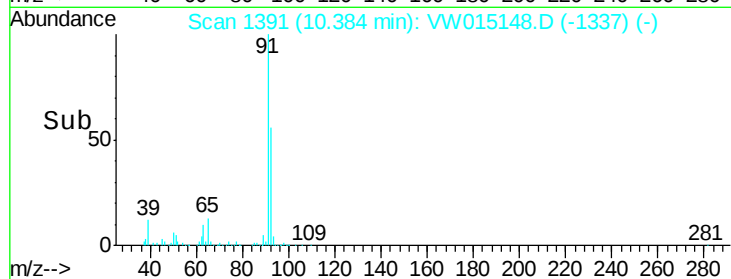
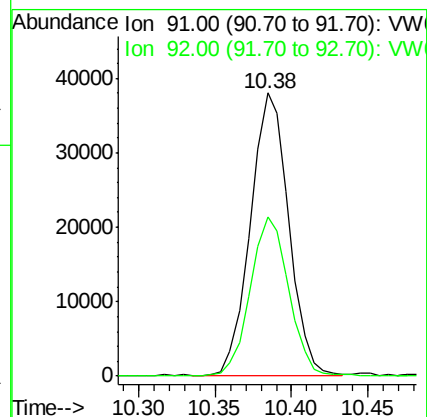
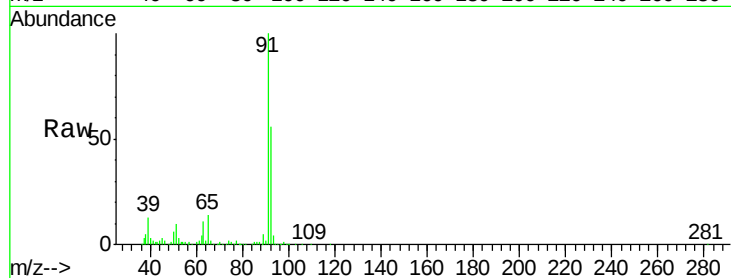
C0AB9RE

Tot Ion: 91 Resp: 66164

Ion Ratio Lower Upper

91 100

92 56.0 40.2 74.6



#53

Ethylbenzene

Concen: 1.051 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW015148.D

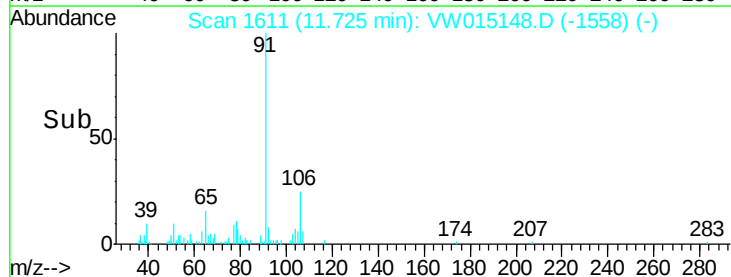
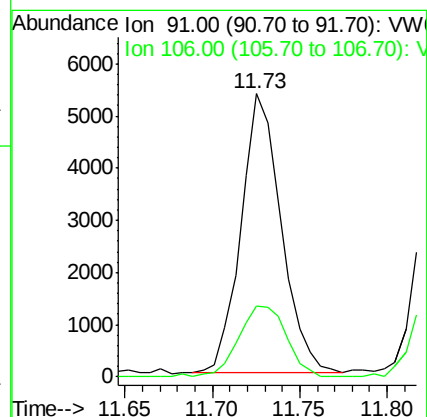
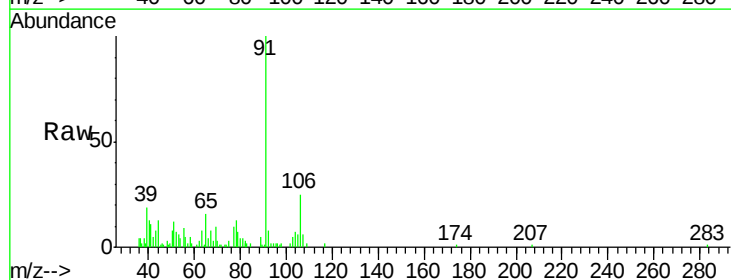
Acq: 26 Mar 2020 14:16

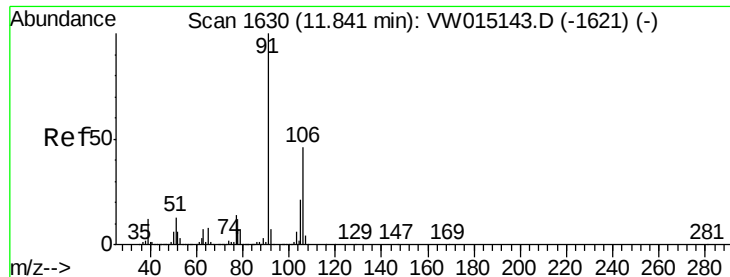
Tgt Ion: 91 Resp: 8580

Ion Ratio Lower Upper

91 100

106 24.9 20.6 38.2





#54

m,p-Xylene

Concen: 2.079 ug/L

RT: 11.83 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VW015148.D

Acq: 26 Mar 2020 14:16

Instrument :

MSVOA_W

ClientSampled :

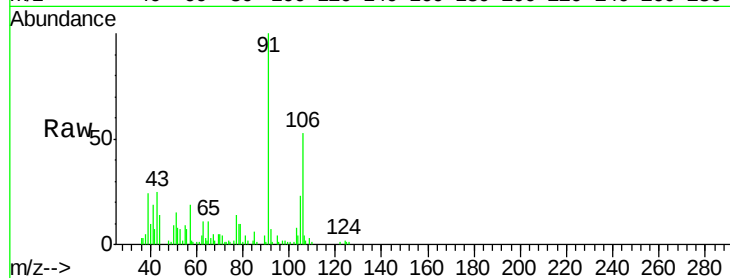
C0AB9RE

Tot Ion:106 Resp: 5948

Ion Ratio Lower Upper

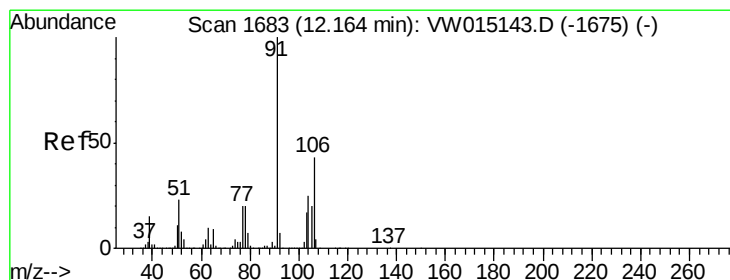
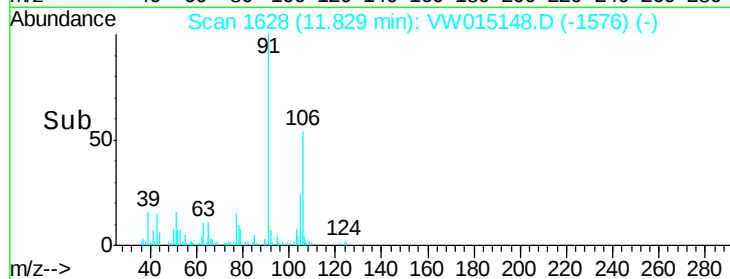
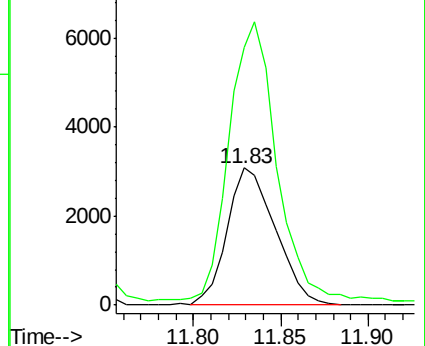
106 100

91 188.2 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.891 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW015148.D

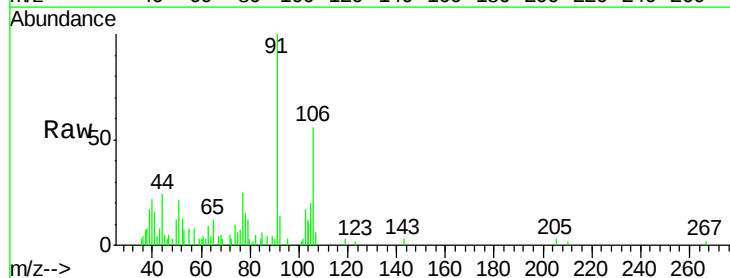
Acq: 26 Mar 2020 14:16

Tgt Ion:106 Resp: 2391

Ion Ratio Lower Upper

106 100

91 179.8 158.6 294.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

