

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011620\
 Data File : VW014670.D
 Acq On : 16 Jan 2020 14:02
 Operator : SY/VA
 Sample : L1118-04
 Misc : 5.10G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 17 01:21:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 17 01:19:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1077009	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	952540	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	406044	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	278068	18.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.24%
7) Chloroethane-d5	2.89	69	222134	19.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.44%
10) 1,1-Dichloroethene-d2	4.02	63	403305	14.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.08%
20) 2-Butanone-d5	7.07	46	161508	44.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.40%
24) Chloroform-d	7.65	84	505103	20.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.56%
26) 1,2-Dichloroethane-d4	8.31	65	279386	21.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.92%
29) Benzene-d6	8.27	84	1090953	21.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.16%
33) 1,2-Dichloropropane-d6	9.27	67	341661	22.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.72%
37) Toluene-d8	10.32	98	968297	21.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.36%
38) trans-1,3-Dichloropropene-	10.57	79	132594	21.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.32%
39) 2-Hexanone-d5	10.92	63	126399	48.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	258256	22.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	296129	22.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.52%

Target Compounds

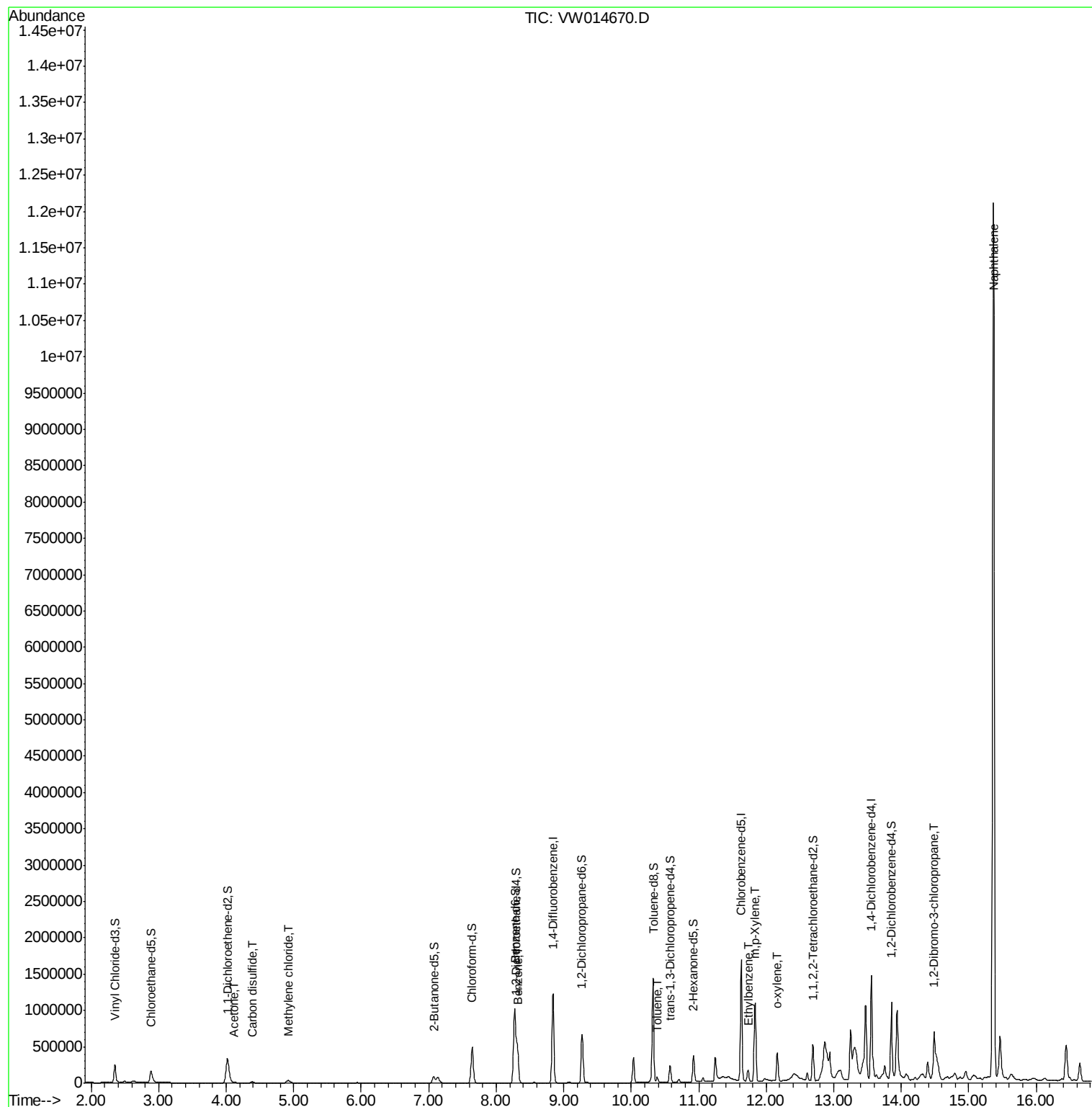
					Ovalue
13) Acetone	4.12	43	24336	4.865	ug/L 93
14) Carbon disulfide	4.38	76	40856	0.960	ug/L 98
16) Methylene chloride	4.92	84	32609	1.857	ug/L 96
34) Benzene	8.32	78	265913	4.639	ug/L 100
44) Toluene	10.38	91	55680	0.929	ug/L 99
53) Ethylbenzene	11.73	91	114549	1.739	ug/L 100
54) m,p-Xylene	11.83	106	341160	13.688	ug/L 96
55) o-xylene	12.16	106	108209	4.596	ug/L 95
66) 1,2-Dibromo-3-chloropropan	14.49	75	31145	18.250	ug/L # 6
69) Naphthalene	15.36	128	10515064	426.664	ug/L 99

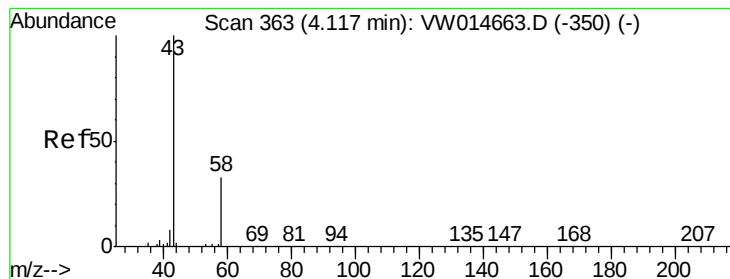
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 17 01:19:13 2020
Response via : Initial Calibration





#13

Acetone

Concen: 4.865 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014670.D

Acq: 16 Jan 2020 14:02

Instrument :

MSVOA_W

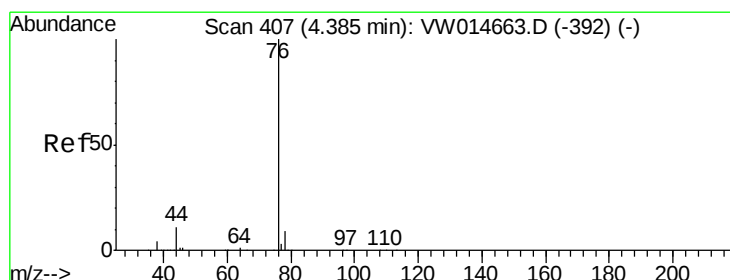
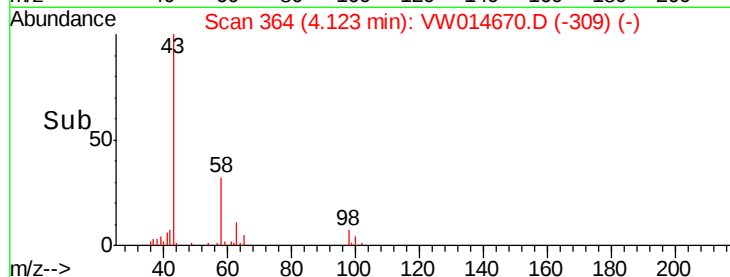
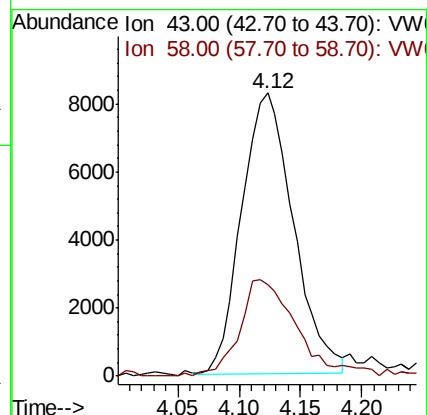
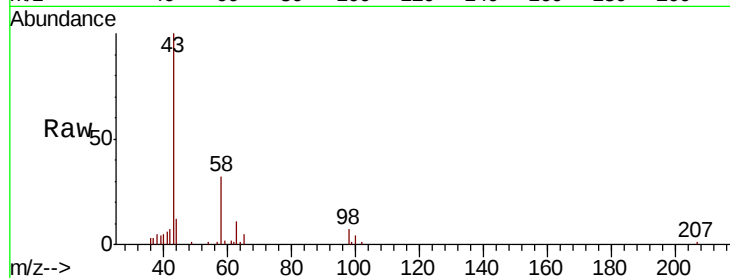
ClientSampled :

Tot Ion: 43 Resp: 24336

Ion Ratio Lower Upper

43 100

58 35.6 0.0 64.0



#14

Carbon disulfide

Concen: 0.960 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014670.D

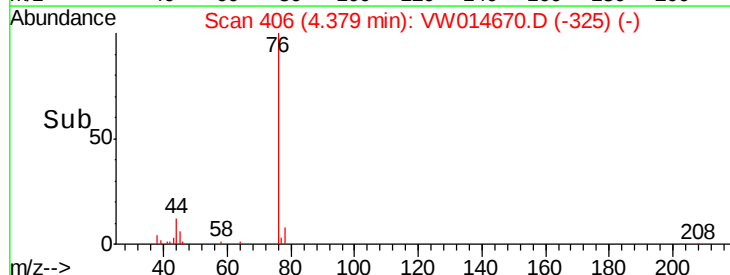
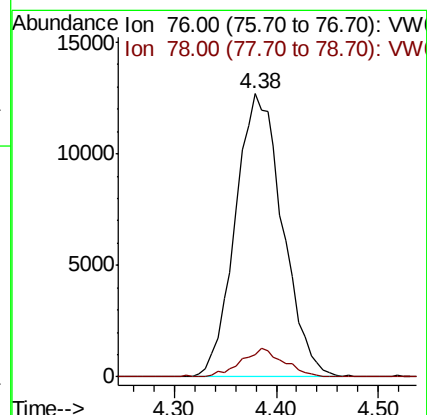
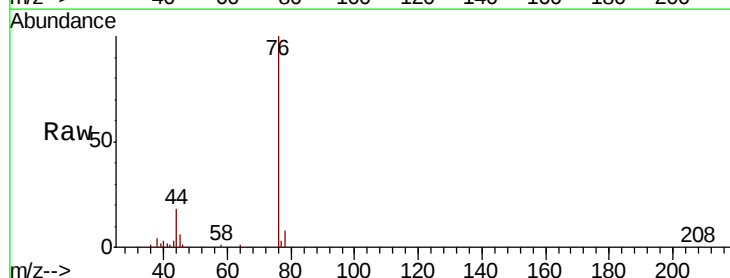
Acq: 16 Jan 2020 14:02

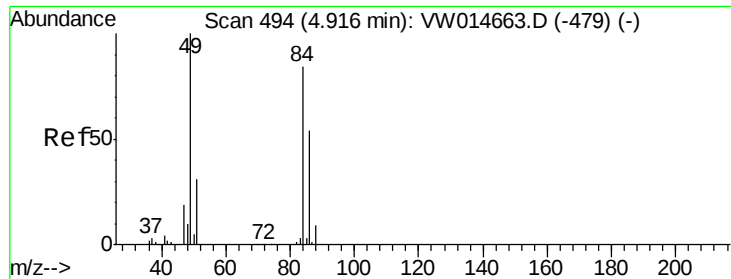
Tgt Ion: 76 Resp: 40856

Ion Ratio Lower Upper

76 100

78 7.9 6.9 10.3

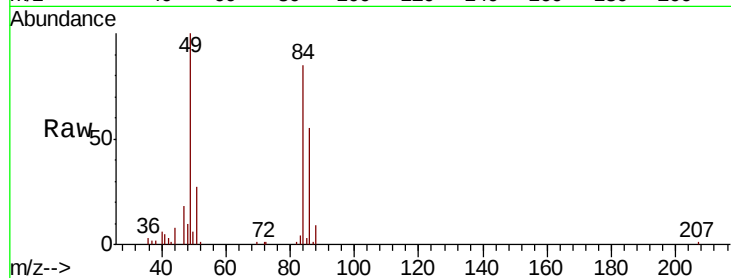




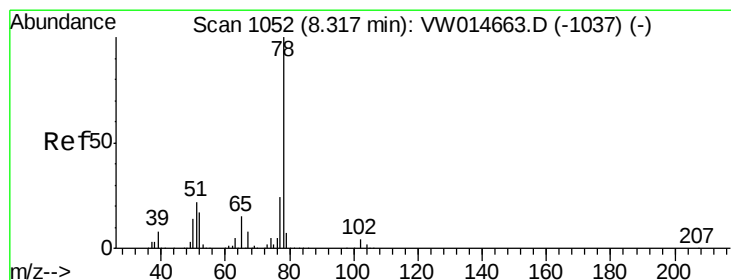
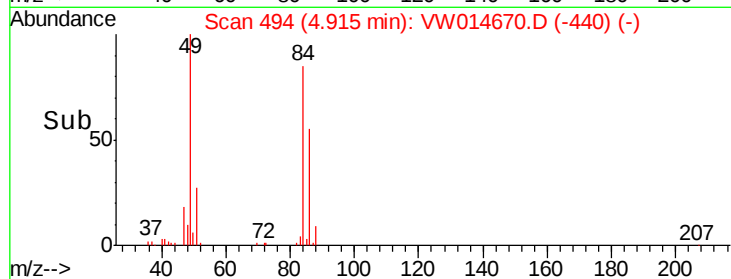
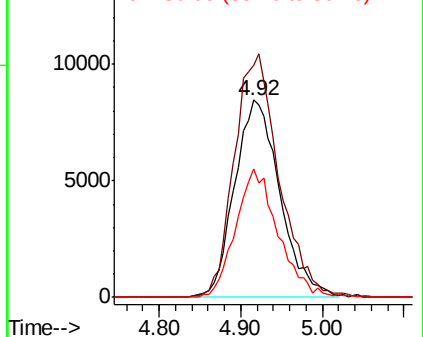
#16
Methvlene chloride
Concen: 1.857 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014670.D
Acq: 16 Jan 2020 14:02

Instrument :
MSVOA_W
ClientSampled :

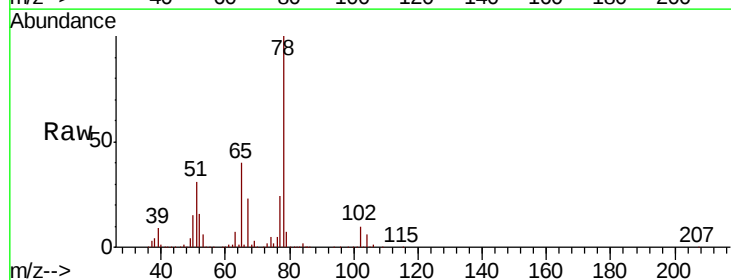
Tot Ion: 84 Resp: 32609
Ion Ratio Lower Upper
84 100
49 117.5 85.8 159.4
86 64.9 44.5 82.7



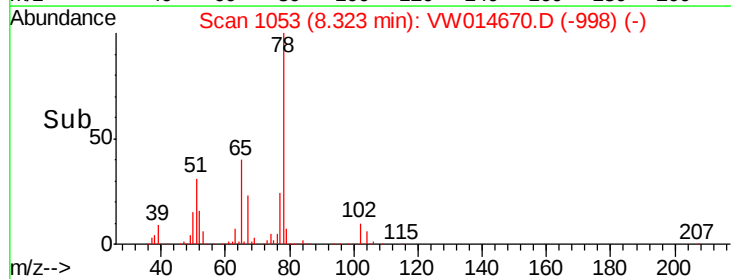
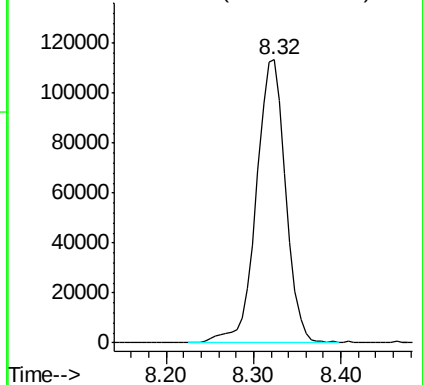
Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

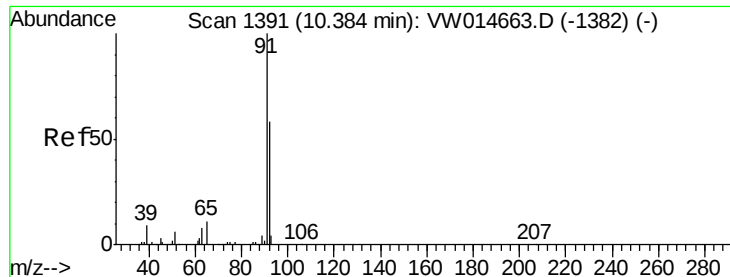


#34
Benzene
Concen: 4.639 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW014670.D
Acq: 16 Jan 2020 14:02
Tgt Ion: 78 Resp: 265913



Abundance Ion 78.00 (77.70 to 78.70): VW





#44

Toluene

Concen: 0.929 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014670.D

Acq: 16 Jan 2020 14:02

Instrument :

MSVOA_W

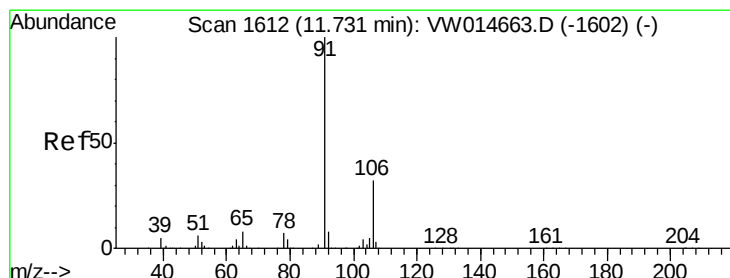
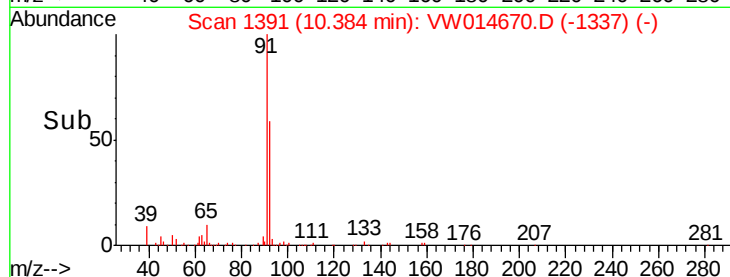
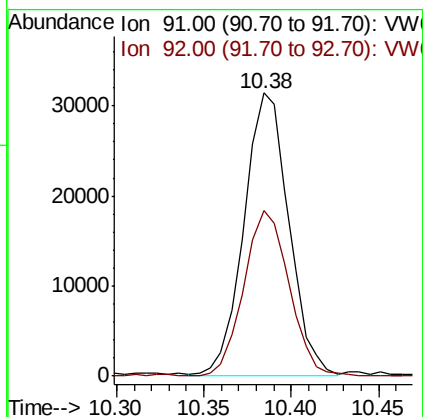
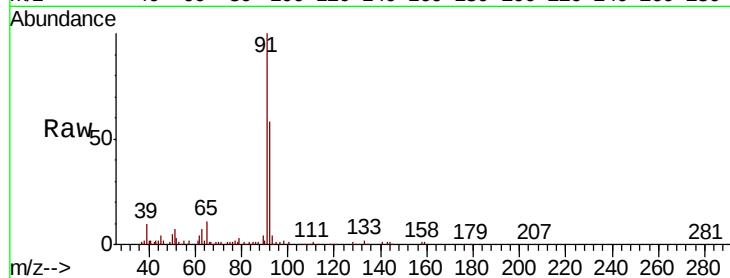
ClientSampleId :

Tot Ion: 91 Resp: 55680

Ion Ratio Lower Upper

91 100

92 58.4 40.2 74.6



#53

Ethylbenzene

Concen: 1.739 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014670.D

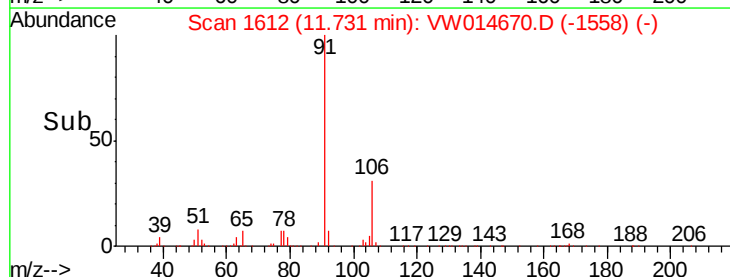
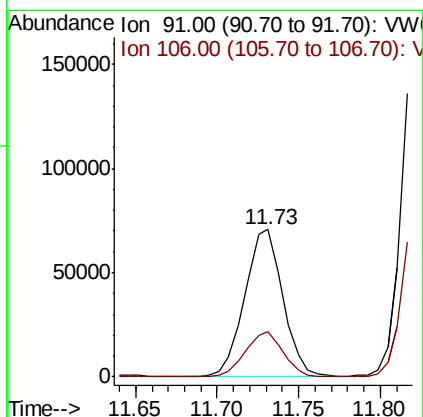
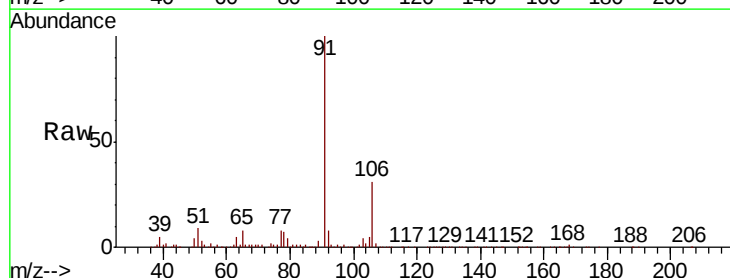
Acq: 16 Jan 2020 14:02

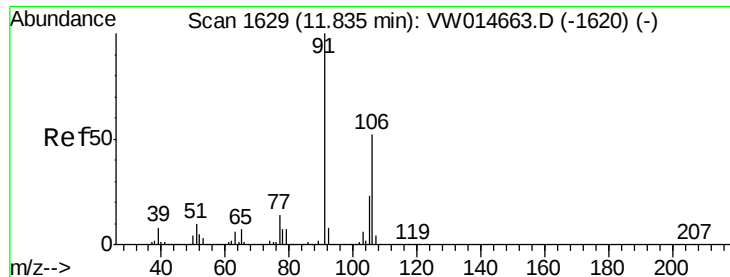
Tgt Ion: 91 Resp: 114549

Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.6





#54

m,p-Xylene

Concen: 13.688 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014670.D

Acq: 16 Jan 2020 14:02

Instrument :

MSVOA_W

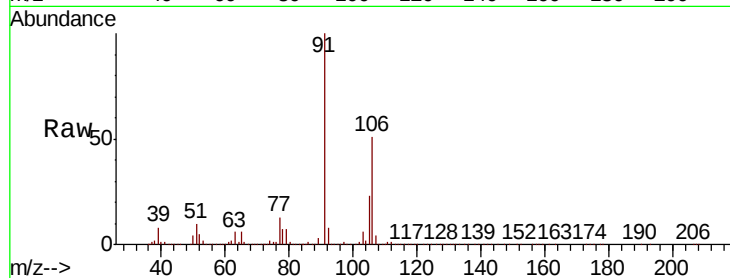
ClientSampleId :

Tot Ion:106 Resp: 341160

Ion Ratio Lower Upper

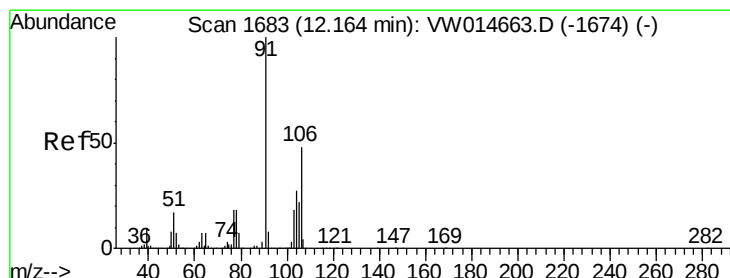
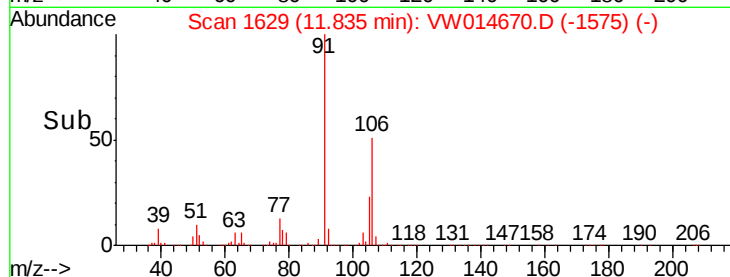
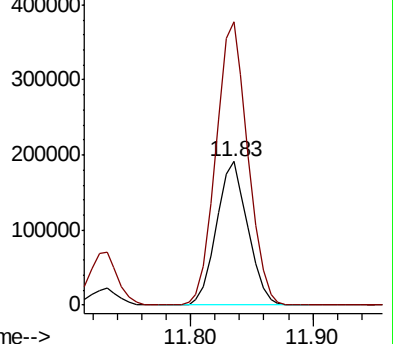
106 100

91 197.0 142.2 264.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 4.596 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014670.D

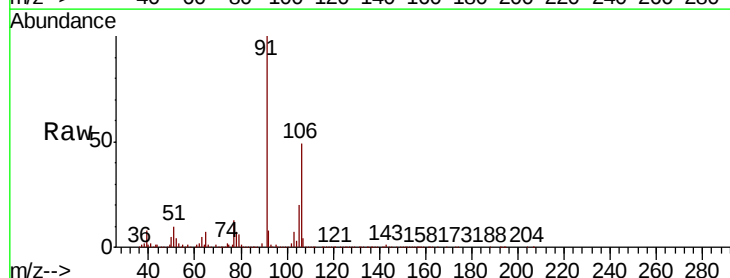
Acq: 16 Jan 2020 14:02

Tgt Ion:106 Resp: 108209

Ion Ratio Lower Upper

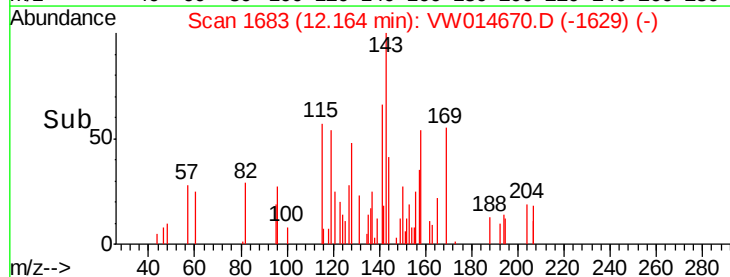
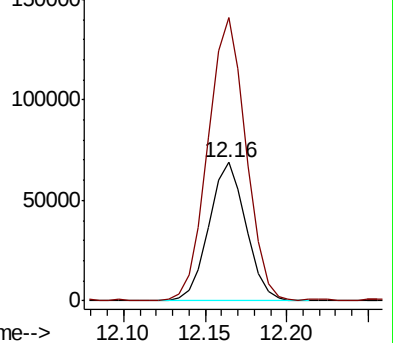
106 100

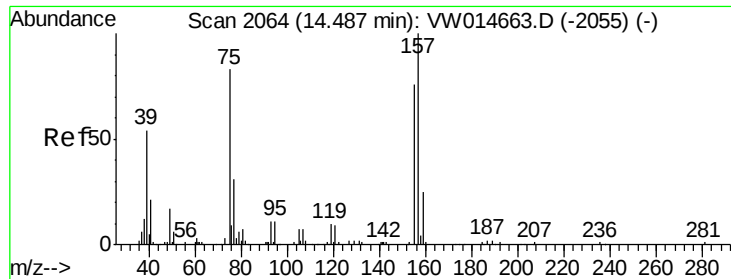
91 204.6 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

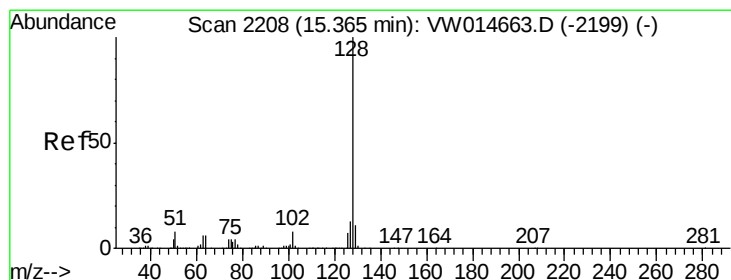
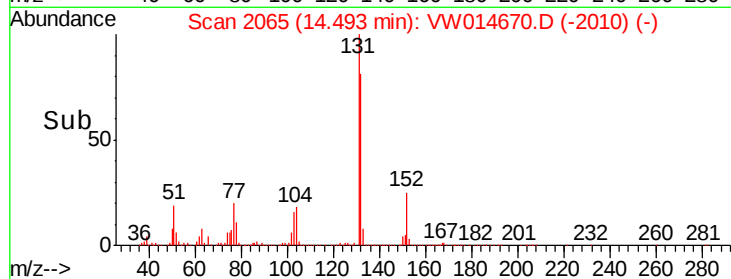
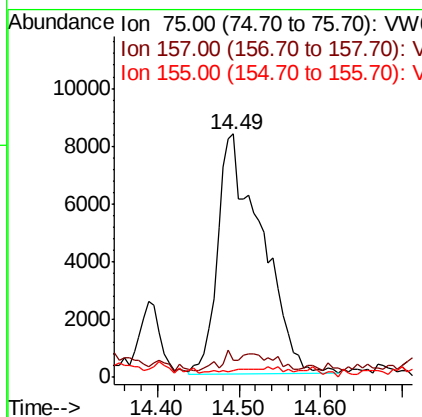
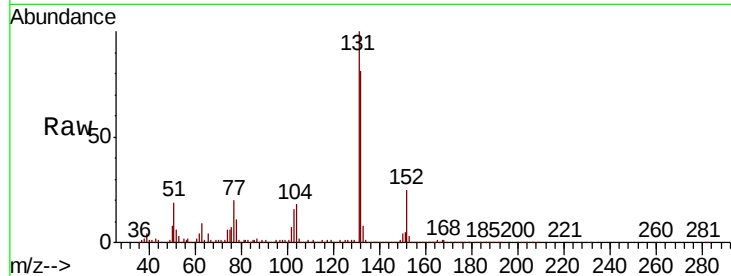




#66
 1,2-Dibromo-3-chloropropane
 Concen: 18.250 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW014670.D
 Acq: 16 Jan 2020 14:02

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 75 Resp: 31145
 Ion Ratio Lower Upper
 75 100
 157 7.2 87.2 130.8#
 155 2.9 67.8 101.8#



#69
 Naphthalene
 Concen: 426.664 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW014670.D
 Acq: 16 Jan 2020 14:02

Tgt Ion: 128 Resp: 10515064
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.8 13.2
 127 13.3 10.6 16.0

