

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011620\
 Data File : VW014674.D
 Acq On : 16 Jan 2020 16:12
 Operator : SY/VA
 Sample : L1109-09
 Misc : 5.06G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 17 01:22:22 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	294386	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	249621	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	62148	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	58411	14.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.28%
7) Chloroethane-d5	2.88	69	57165	18.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.80%
10) 1,1-Dichloroethene-d2	4.01	63	96551	12.72	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.88%
20) 2-Butanone-d5	7.08	46	80124	81.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	162.28%#
24) Chloroform-d	7.65	84	177705	26.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.96%
26) 1,2-Dichloroethane-d4	8.45	65	164	0.05	ug/L	0.14
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.20%#
29) Benzene-d6	8.27	84	341365	25.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.88%
33) 1,2-Dichloropropane-d6	9.27	67	124840	31.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	125.12%#
37) Toluene-d8	10.32	98	274415	22.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.20%
38) trans-1,3-Dichloropropene-	10.58	79	46354	28.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.48%
39) 2-Hexanone-d5	10.92	63	54699	80.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	160.30%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	78293	26.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	46200	22.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.24%

Target Compounds

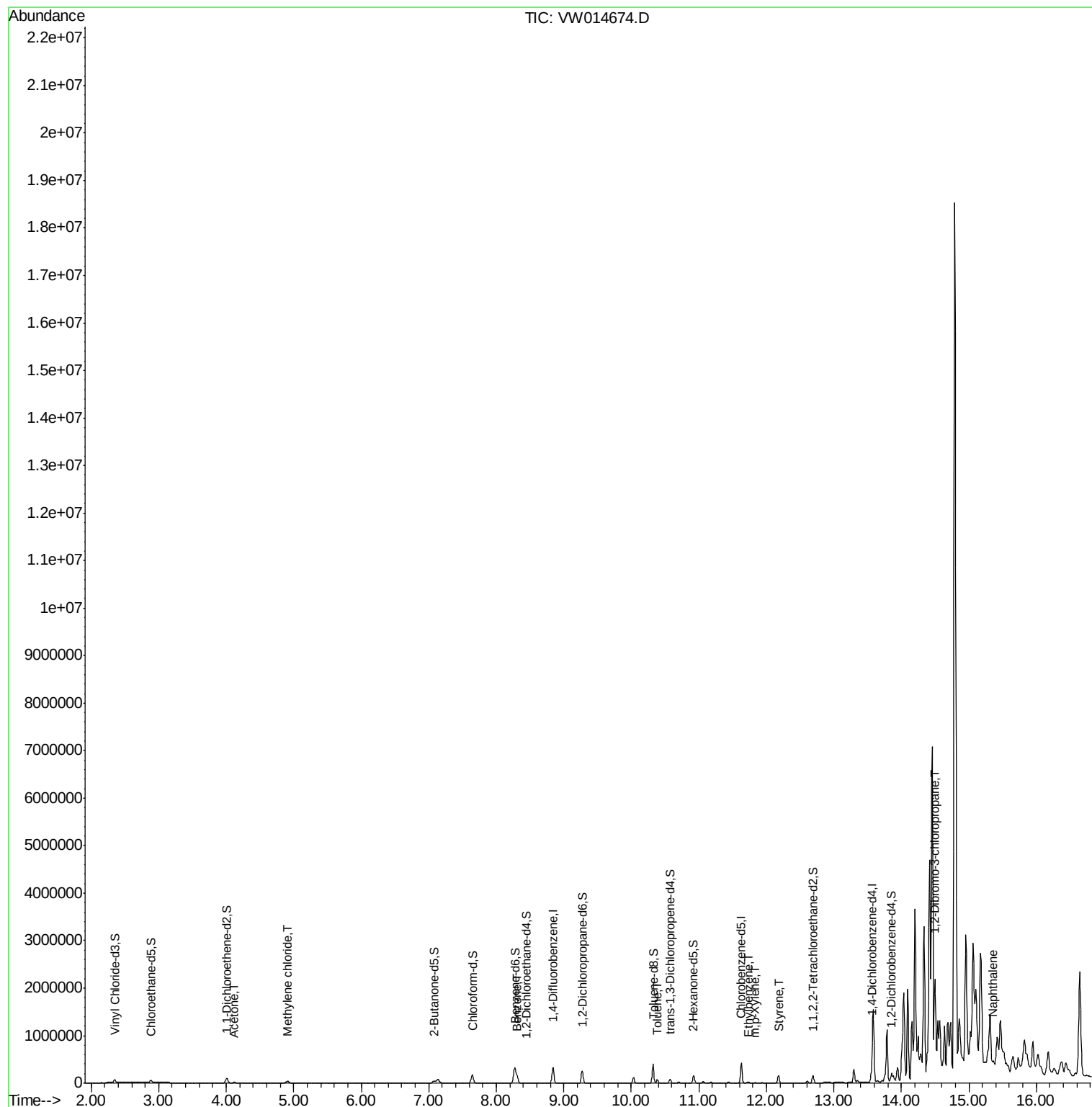
					Ovalue
13) Acetone	4.12	43	27698	20.258	ug/L 99
16) Methylene chloride	4.91	84	33843	7.050	ug/L 92
34) Benzene	8.32	78	16229	1.080	ug/L 100
44) Toluene	10.38	91	57201	3.644	ug/L 95
53) Ethylbenzene	11.73	91	14504	0.840	ug/L 96
54) m,p-Xylene	11.83	106	2132	0.326	ug/L 96
56) Styrene	12.18	104	76918	7.407	ug/L 89
66) 1,2-Dibromo-3-chloropropan	14.50	75	6090	23.316	ug/L # 2
69) Naphthalene	15.36	128	17725	4.699	ug/L # 85

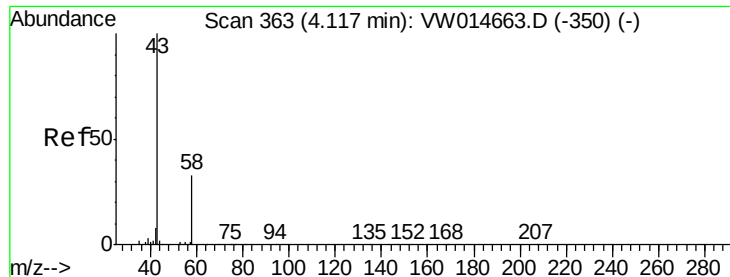
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 20.258 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014674.D

Acq: 16 Jan 2020 16:12

Instrument :

MSVOA_W

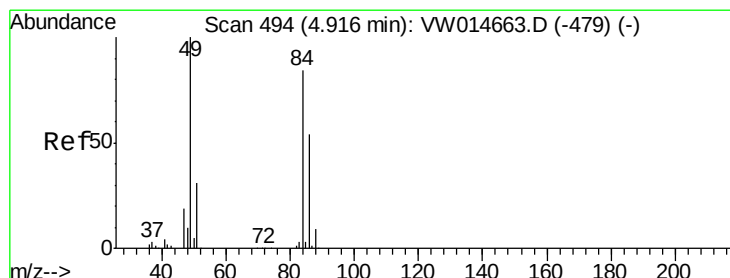
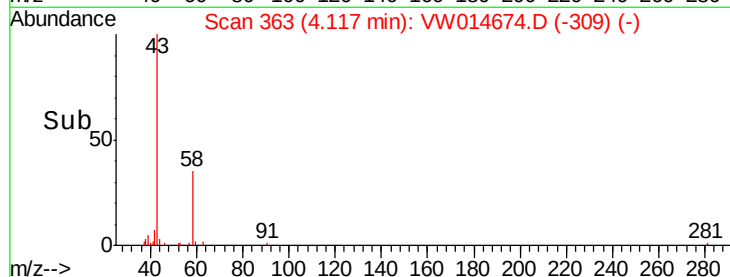
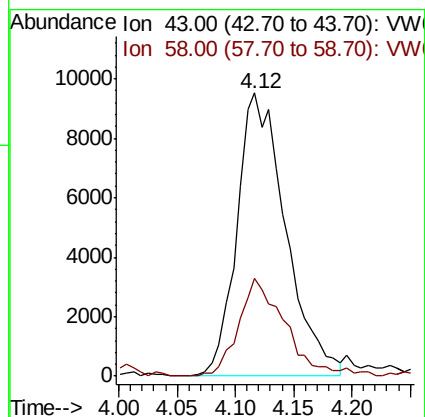
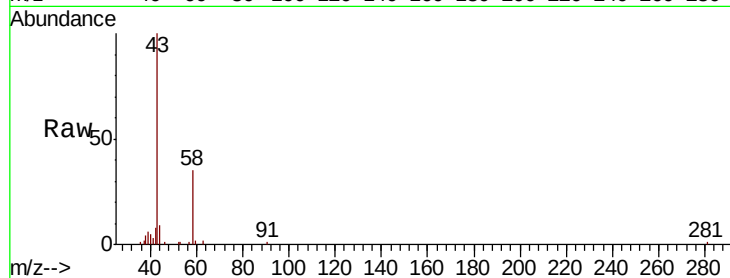
ClientSampled :

Tot Ion: 43 Resp: 27698

Ion Ratio Lower Upper

43 100

58 31.4 0.0 64.0



#16

Methylene chloride

Concen: 7.050 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW014674.D

Acq: 16 Jan 2020 16:12

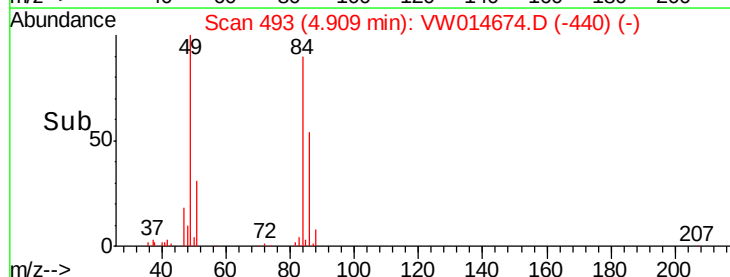
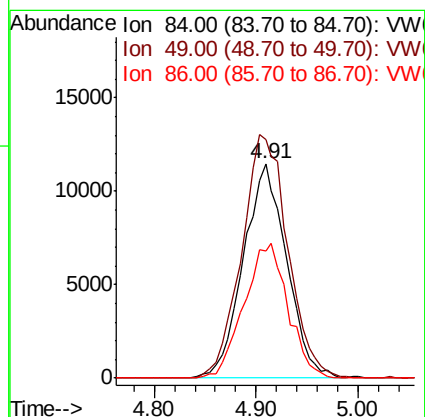
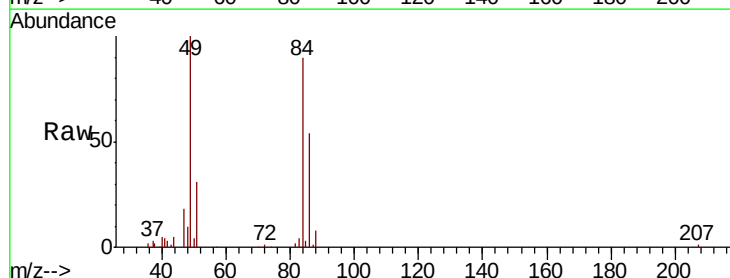
Tgt Ion: 84 Resp: 33843

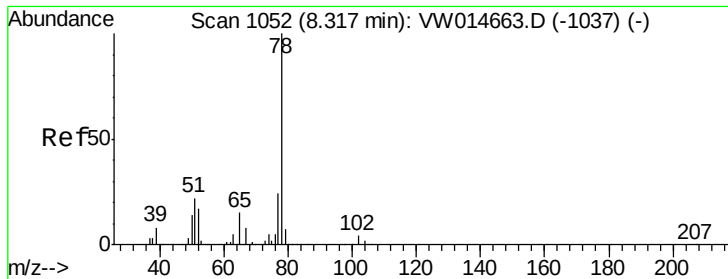
Ion Ratio Lower Upper

84 100

49 111.2 85.8 159.4

86 59.6 44.5 82.7





#34

Benzene

Concen: 1.080 ug/L

RT: 8.32 min Scan# 1052

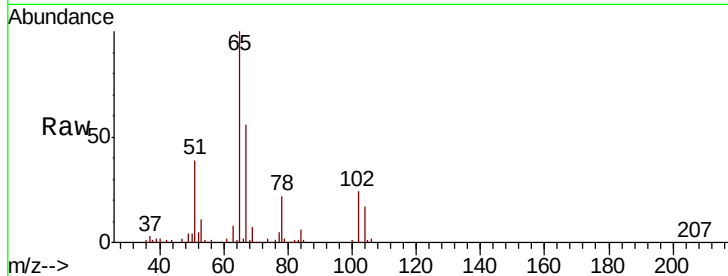
Delta R.T. -0.00 min

Lab File: VW014674.D

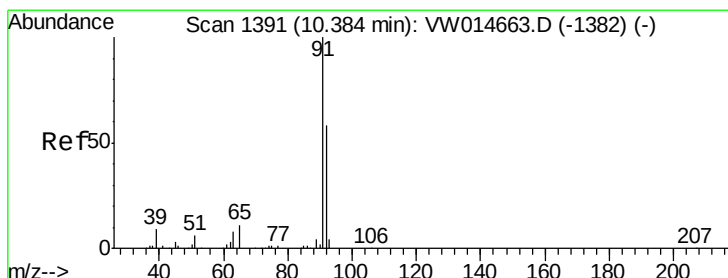
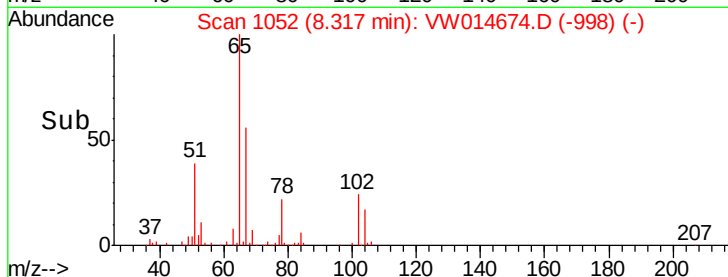
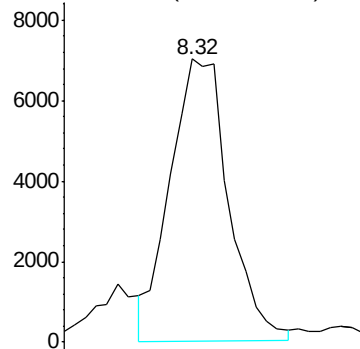
Acq: 16 Jan 2020 16:12

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 78 Resp: 16229



Abundance Ion 78.00 (77.70 to 78.70): VW



#44

Toluene

Concen: 3.644 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014674.D

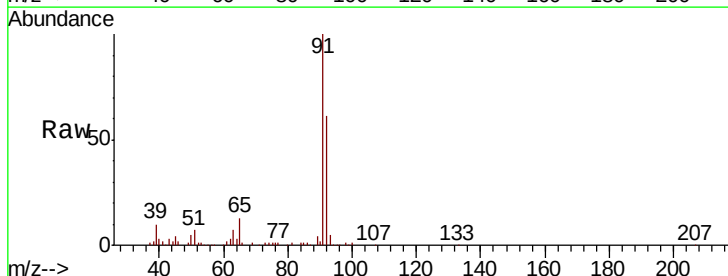
Acq: 16 Jan 2020 16:12

Tgt Ion: 91 Resp: 57201

Ion Ratio Lower Upper

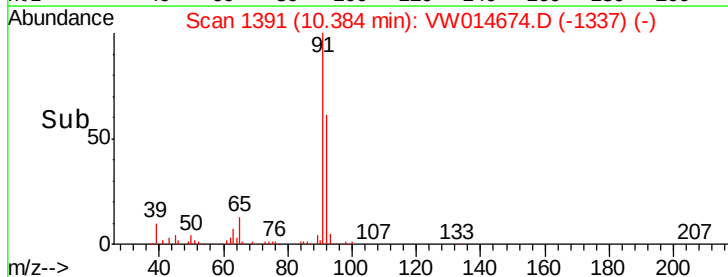
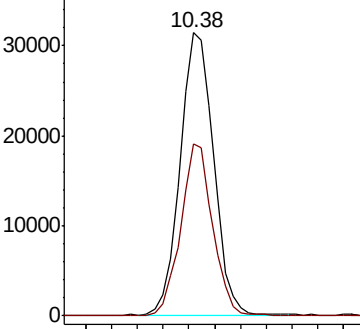
91 100

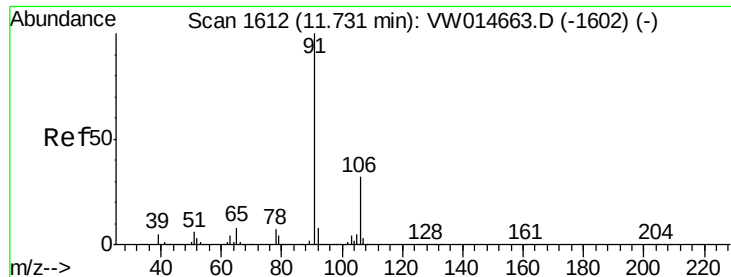
92 60.9 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

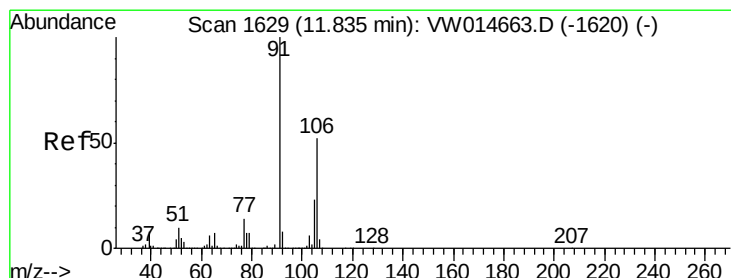
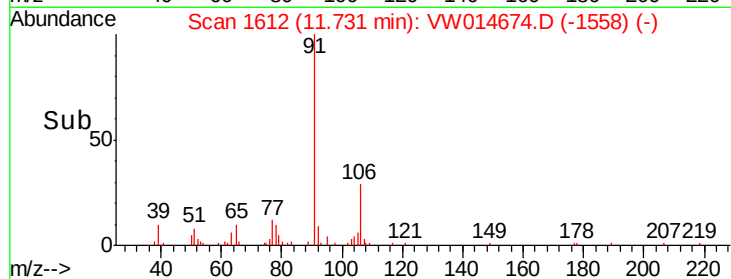
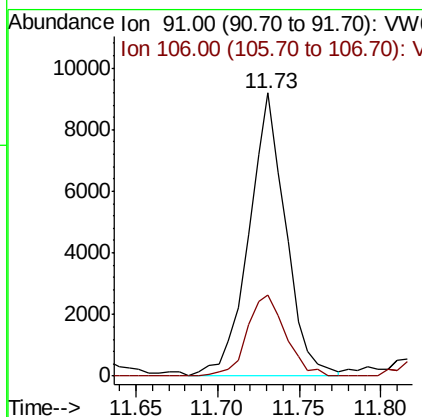
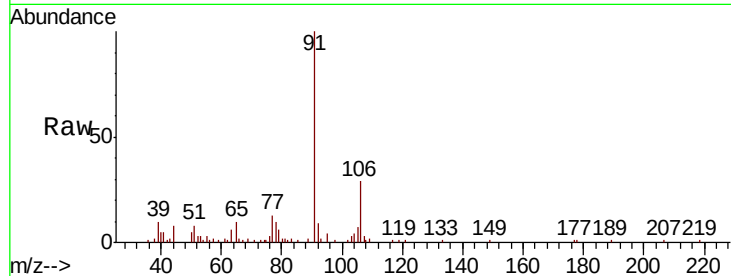




#53
Ethylbenzene
Concen: 0.840 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014674.D
Acq: 16 Jan 2020 16:12

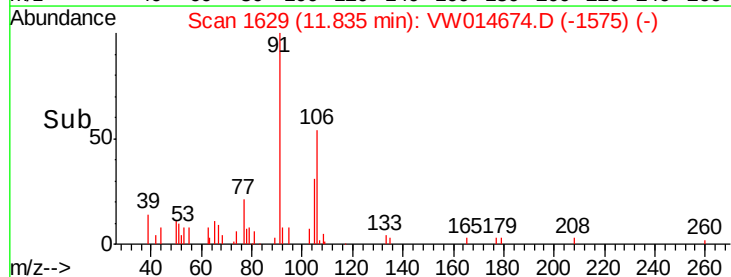
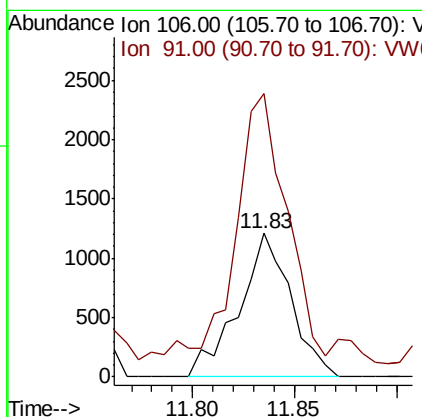
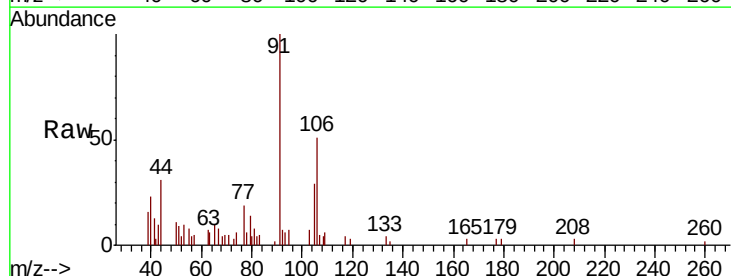
Instrument :
MSVOA_W
ClientSampleId :

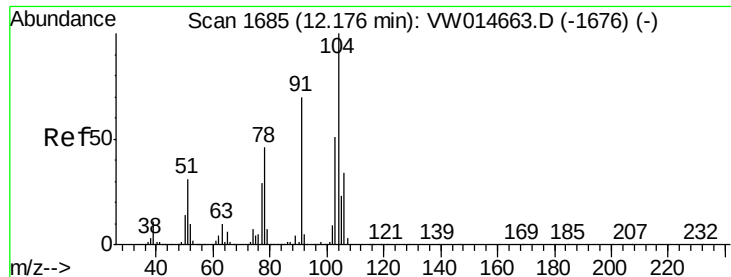
Tot Ion: 91 Resp: 14504
Ion Ratio Lower Upper
91 100
106 28.8 21.8 40.6



#54
m,p-Xylene
Concen: 0.326 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014674.D
Acq: 16 Jan 2020 16:12

Tgt Ion: 106 Resp: 2132
Ion Ratio Lower Upper
106 100
91 196.9 142.2 264.0

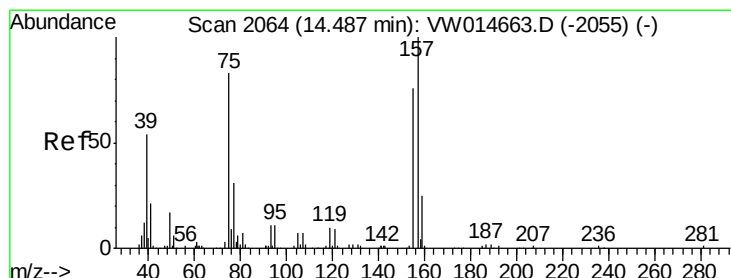
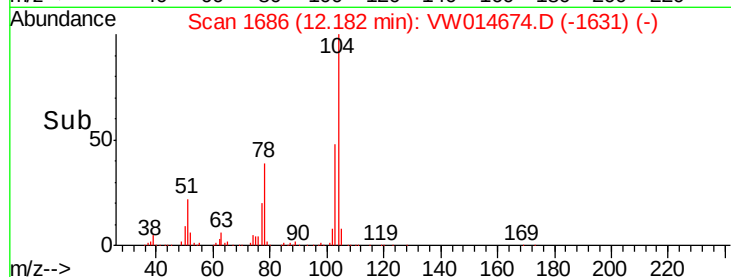
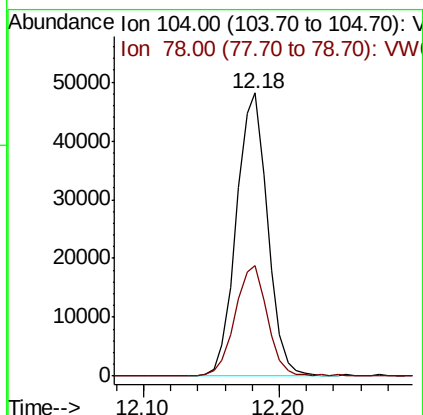
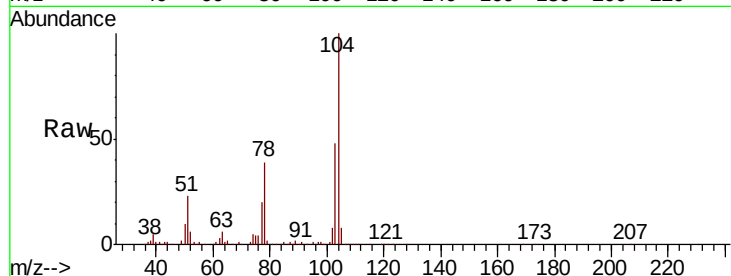




#56
Stvrene
Concen: 7.407 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014674.D
Acq: 16 Jan 2020 16:12

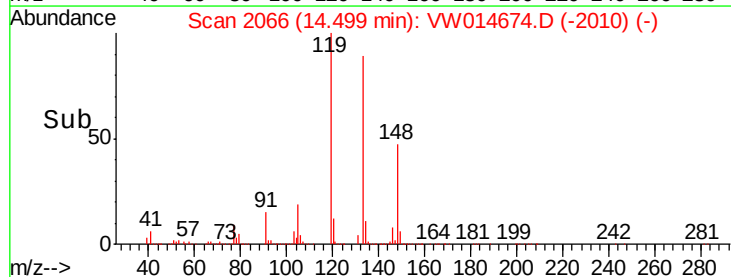
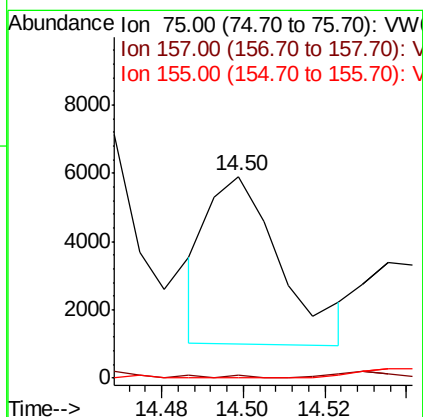
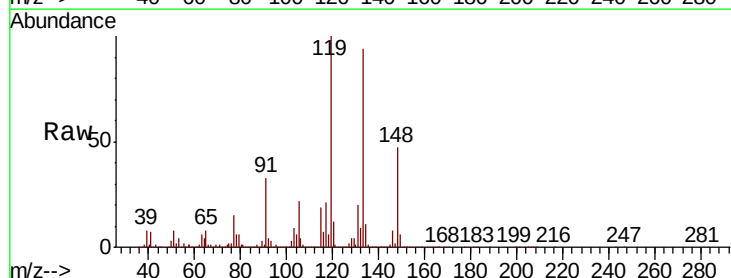
Instrument :
MSVOA_W
ClientSampled :

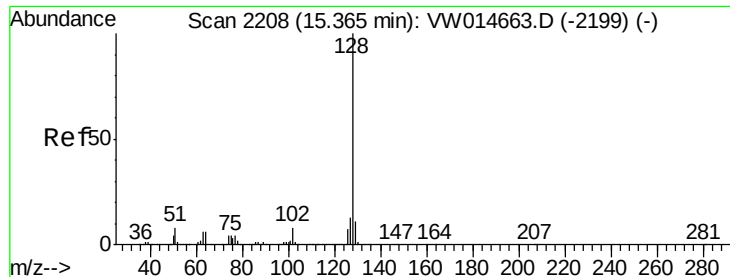
Tot Ion:104 Resp: 76918
Ion Ratio Lower Upper
104 100
78 39.2 32.3 60.1



#66
1,2-Dibromo-3-chloropropane
Concen: 23.316 ug/L
RT: 14.50 min Scan# 2066
Delta R.T. 0.01 min
Lab File: VW014674.D
Acq: 16 Jan 2020 16:12

Tgt Ion: 75 Resp: 6090
Ion Ratio Lower Upper
75 100
157 1.6 87.2 130.8#
155 0.0 67.8 101.8#





#69

Naphthalene

Concen: 4.699 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014674.D

Acq: 16 Jan 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 17725

Ion Ratio Lower Upper

128 100

129 6.2 8.8 13.2#

127 6.6 10.6 16.0#

