

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011420\
 Data File : VW014638.D
 Acq On : 14 Jan 2020 17:32
 Operator : SY/VA
 Sample : L1109-16
 Misc : 5.08G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 15 01:52:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 01:48:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1227343	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1111189	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	537308	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	432763	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.04%
7) Chloroethane-d5	2.89	69	338428	26.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.20%
10) 1,1-Dichloroethene-d2	4.02	63	614276	19.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.64%
20) 2-Butanone-d5	7.07	46	224105	54.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.86%
24) Chloroform-d	7.64	84	759310	26.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.56%
26) 1,2-Dichloroethane-d4	8.41	65	132	0.01	ug/L	0.11
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
29) Benzene-d6	8.27	84	1657309	28.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.20%
33) 1,2-Dichloropropane-d6	9.27	67	512614	28.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.40%
37) Toluene-d8	10.32	98	1492204	27.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.44%
38) trans-1,3-Dichloropropene-	10.57	79	197668	26.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.76%
39) 2-Hexanone-d5	10.92	63	176797	58.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	384769	28.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	516399	29.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	116.68%

Target Compounds

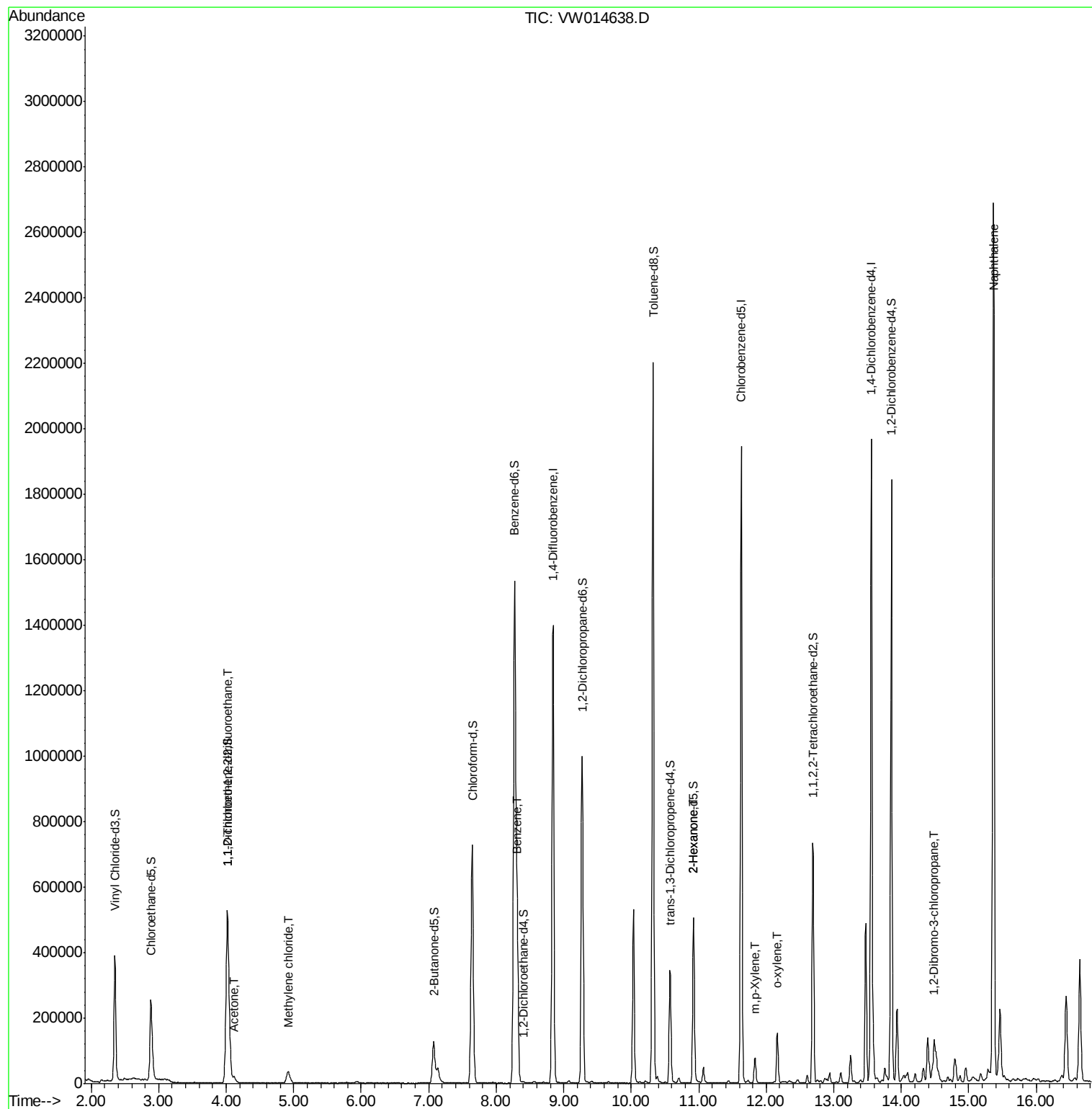
					Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	7185	0.448 ug/L #	19
13) Acetone	4.12	43	27041	4.744 ug/L	98
16) Methylene chloride	4.92	84	32511	1.624 ug/L	91
34) Benzene	8.32	78	123430	1.846 ug/L	100
49) 2-Hexanone	10.92	43	19118	2.577 ug/L #	67
54) m,p-Xylene	11.83	106	23188	0.798 ug/L	92
55) o-xylene	12.16	106	42266	1.539 ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	4775	2.114 ug/L #	1
69) Naphthalene	15.36	128	2327795	71.379 ug/L	99

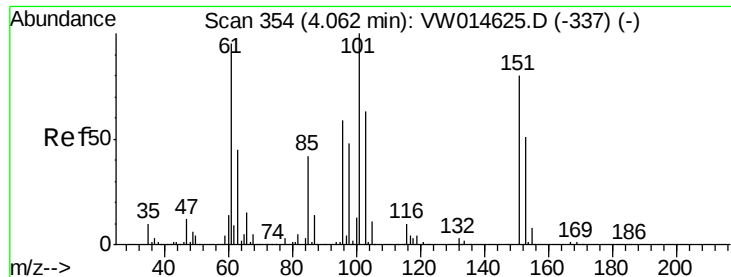
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 15 01:48:42 2020
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.448 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.04 min

Lab File: VW014638.D

Acq: 14 Jan 2020 17:32

Instrument :

MSVOA_W

ClientSampled :

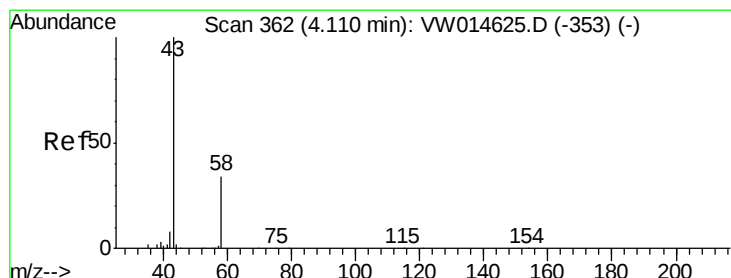
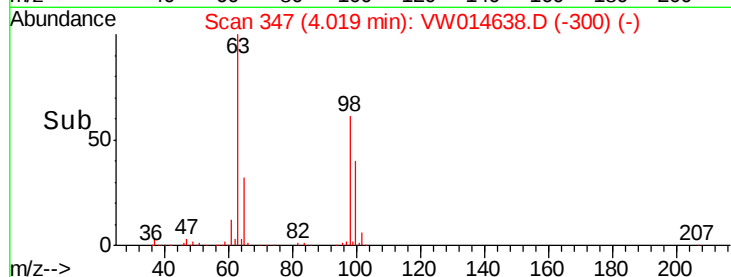
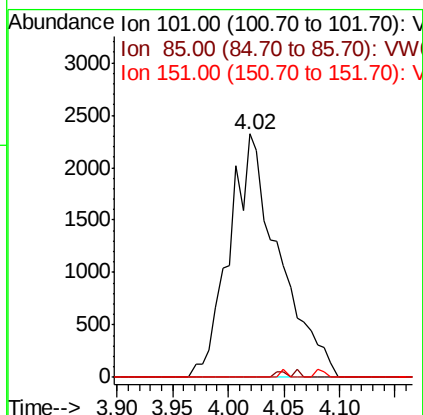
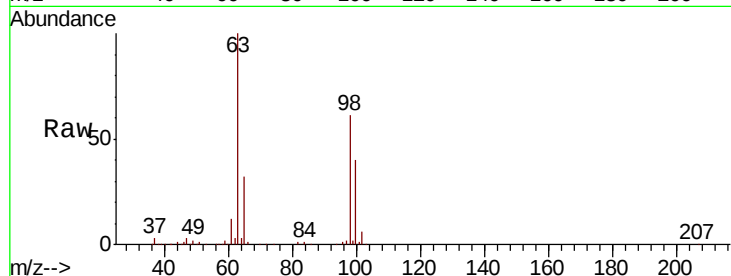
Tot Ion:101 Resp: 7185

Ion Ratio Lower Upper

101 100

85 0.5 33.3 49.9#

151 0.0 62.5 93.7#



#13

Acetone

Concen: 4.744 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014638.D

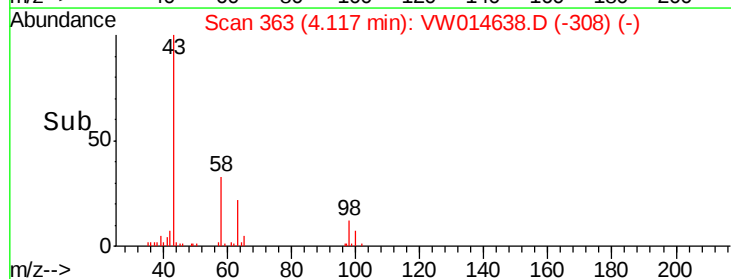
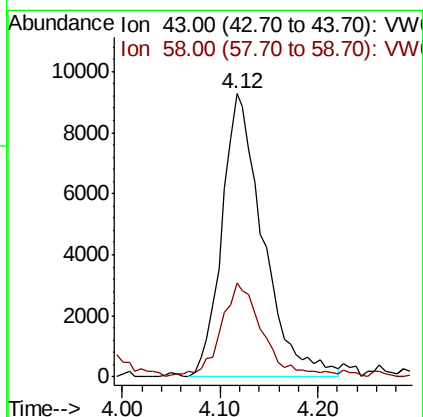
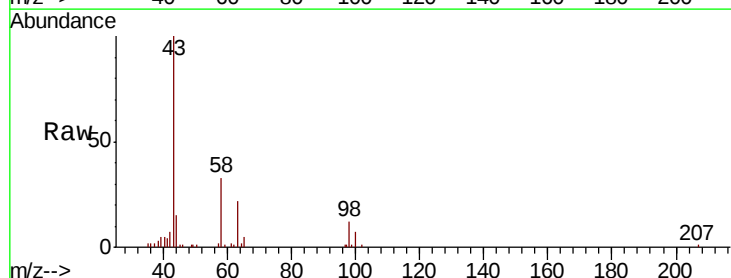
Acq: 14 Jan 2020 17:32

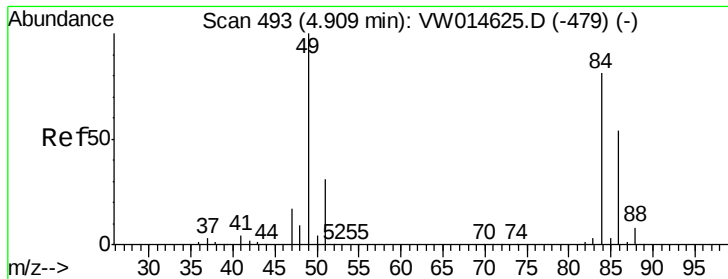
Tgt Ion: 43 Resp: 27041

Ion Ratio Lower Upper

43 100

58 32.9 0.0 64.0

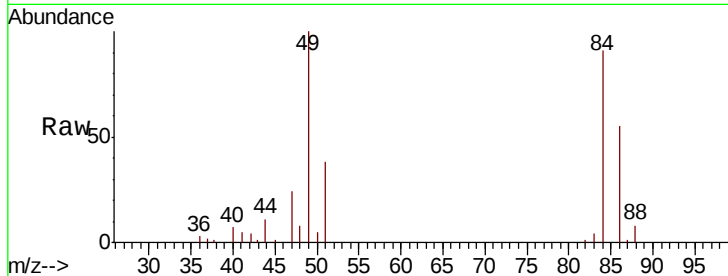




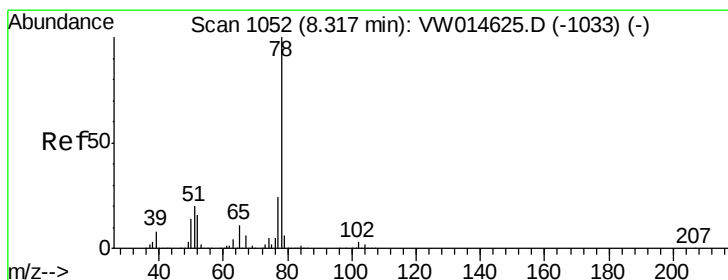
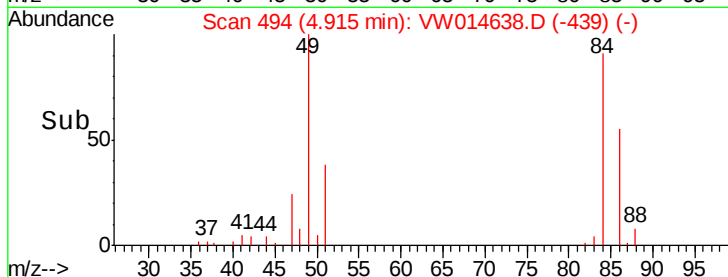
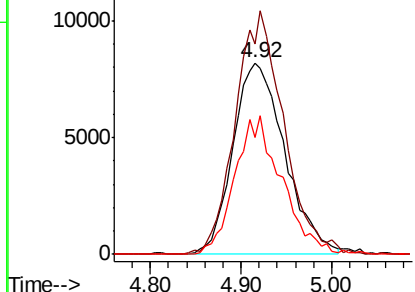
#16
Methvlene chloride
Concen: 1.624 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014638.D
Acq: 14 Jan 2020 17:32

Instrument :
MSVOA_W
ClientSampled :

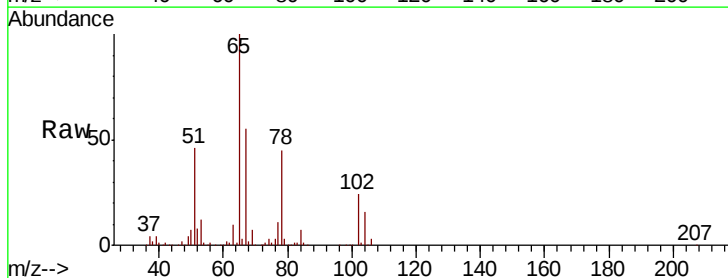
Tot Ion: 84 Resp: 32511
Ion Ratio Lower Upper
84 100
49 109.8 85.8 159.4
86 60.7 44.5 82.7



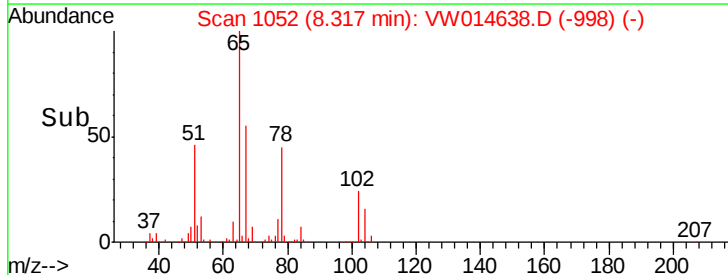
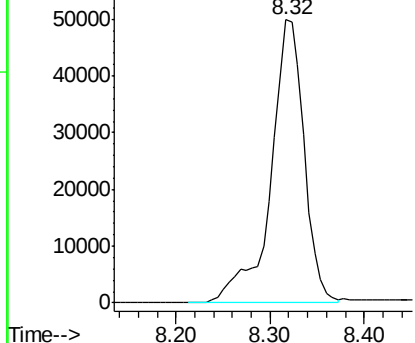
Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

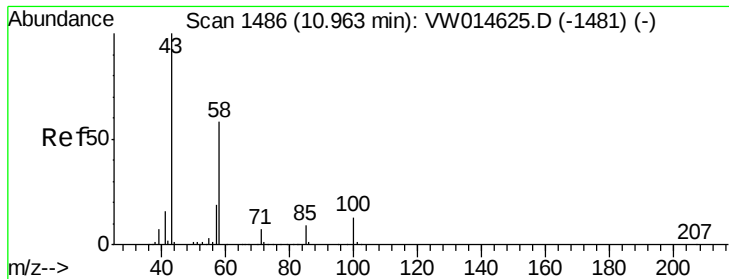


#34
Benzene
Concen: 1.846 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014638.D
Acq: 14 Jan 2020 17:32
Tgt Ion: 78 Resp: 123430



Abundance Ion 78.00 (77.70 to 78.70): VW

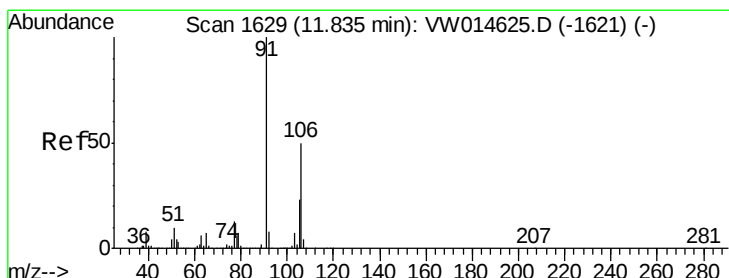
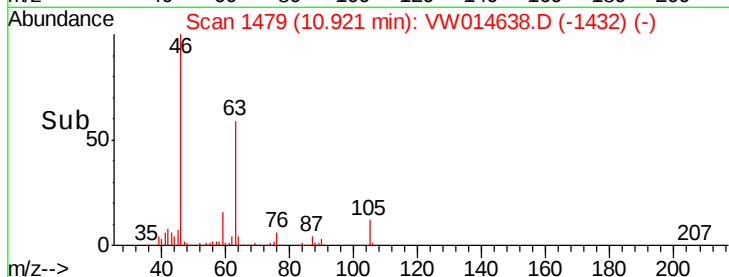
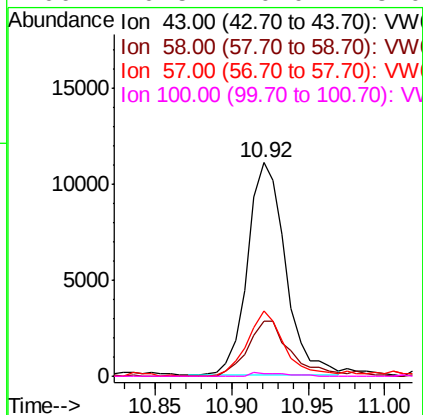
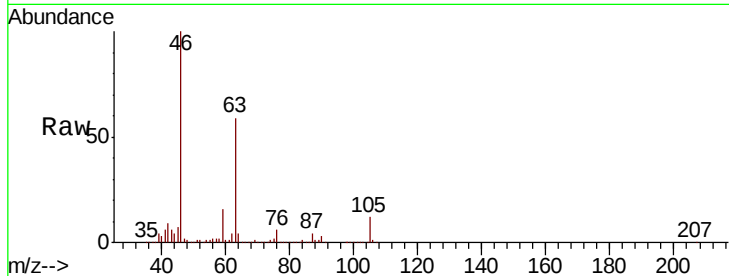




#49
2-Hexanone
Concen: 2.577 ug/L
RT: 10.92 min Scan# 1479
Delta R.T. -0.04 min
Lab File: VW014638.D
Acq: 14 Jan 2020 17:32

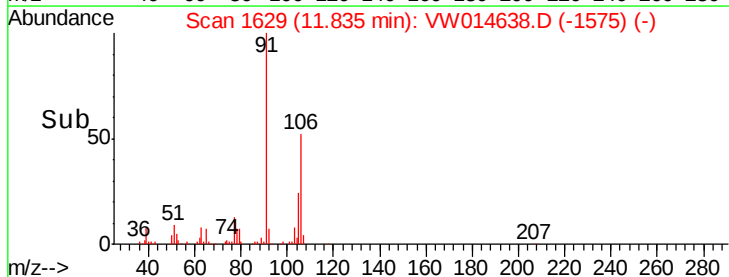
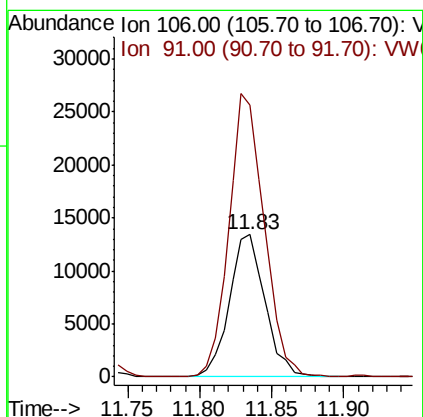
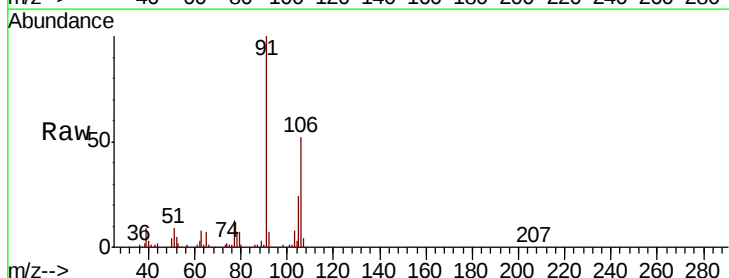
Instrument :
MSVOA_W
ClientSampleId :

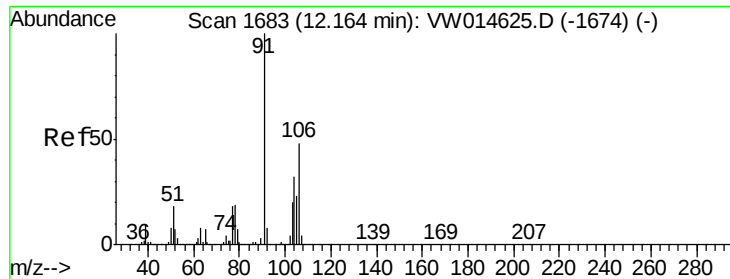
Tot Ion: 43 Resp: 19118
Ion Ratio Lower Upper
43 100
58 29.1 44.9 67.3#
57 29.8 15.3 22.9#
100 0.5 10.0 15.0#



#54
m,p-Xylene
Concen: 0.798 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014638.D
Acq: 14 Jan 2020 17:32

Tgt Ion: 106 Resp: 23188
Ion Ratio Lower Upper
106 100
91 191.1 142.2 264.0

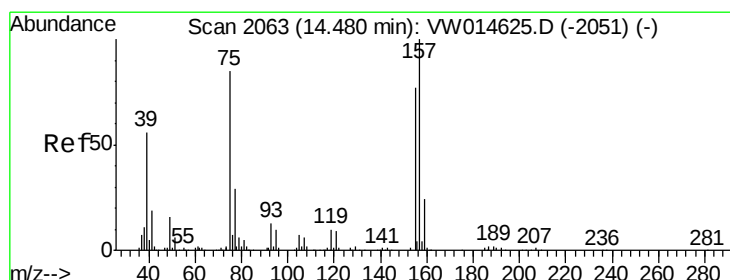
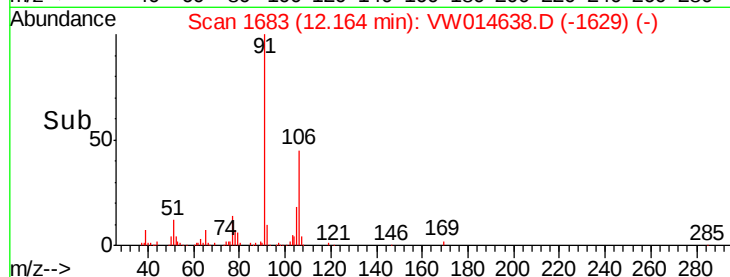
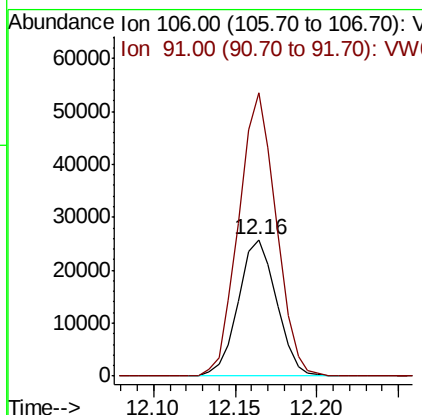
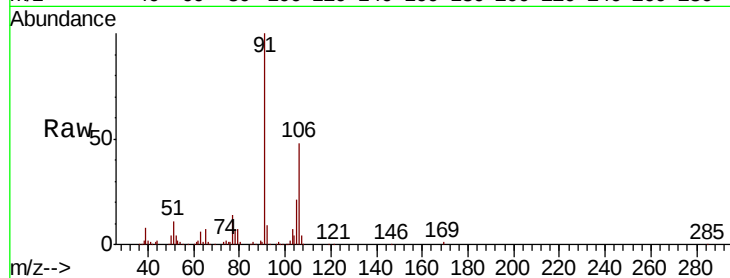




#55
o-xylene
Concen: 1.539 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014638.D
Acq: 14 Jan 2020 17:32

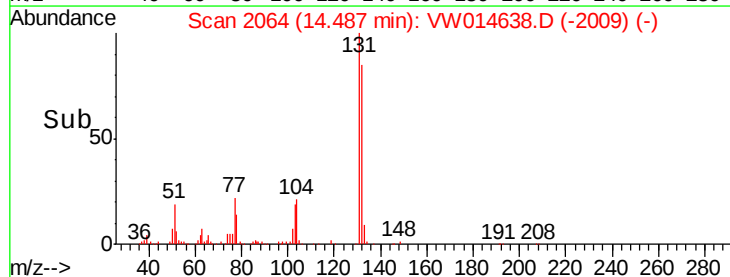
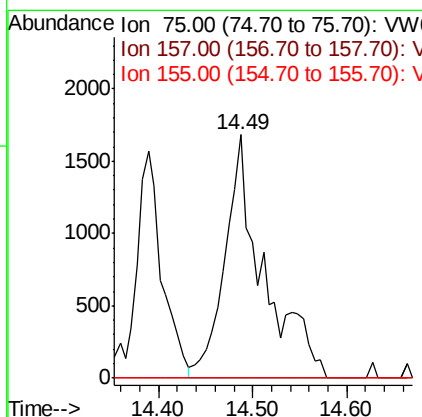
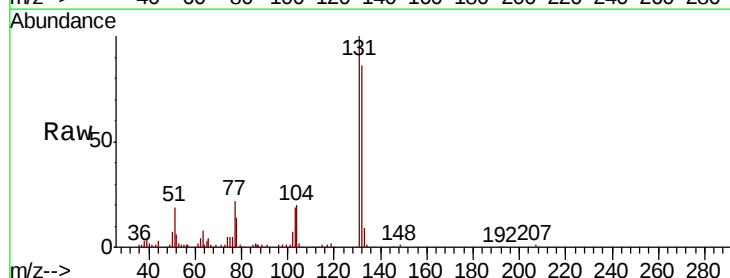
Instrument :
MSVOA_W
ClientSampleId :

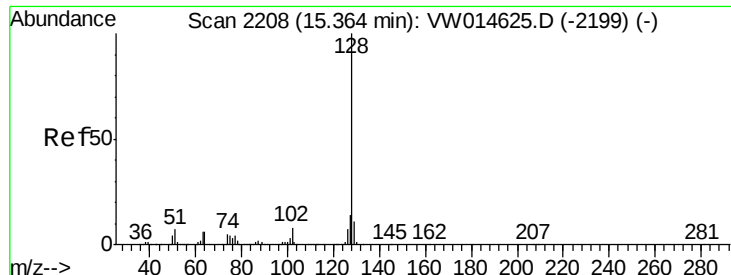
Tot Ion:106 Resp: 42266
Ion Ratio Lower Upper
106 100
91 207.2 148.7 276.1



#66
1,2-Dibromo-3-chloropropane
Concen: 2.114 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. 0.01 min
Lab File: VW014638.D
Acq: 14 Jan 2020 17:32

Tgt Ion: 75 Resp: 4775
Ion Ratio Lower Upper
75 100
157 0.0 87.2 130.8#
155 0.0 67.8 101.8#





#69

Naphthalene

Concen: 71.379 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

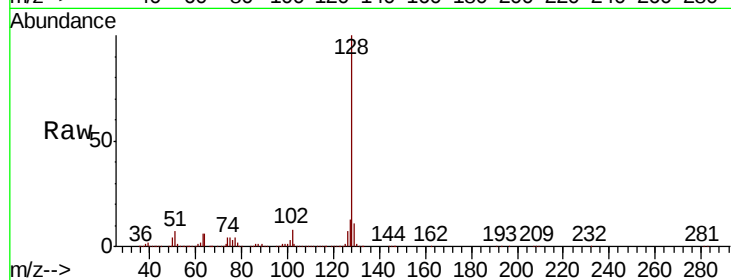
Lab File: VW014638.D

Acq: 14 Jan 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :



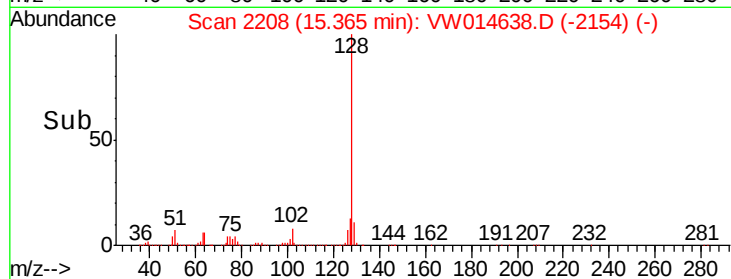
Tot Ion:128 Resp: 2327795

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.1 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

