

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103119\
 Data File : VW013858.D
 Acq On : 31 Oct 2019 15:33
 Operator : SY/VA
 Sample : K5596-21MS
 Misc : 6.10G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 01 02:13:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 01 02:10:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	287131	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	281452	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	142987	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	73531	16.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.28%
7) Chloroethane-d5	2.89	69	57626	16.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.40%
10) 1,1-Dichloroethene-d2	4.03	63	167074	19.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.40%
20) 2-Butanone-d5	7.07	46	65113	42.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.76%
24) Chloroform-d	7.65	84	163572	18.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	74.48%
26) 1,2-Dichloroethane-d4	8.30	65	93276	19.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.08%
29) Benzene-d6	8.27	84	335129	18.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.52%
33) 1,2-Dichloropropane-d6	9.27	67	106715	19.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	78.12%
37) Toluene-d8	10.32	98	308407	17.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	70.76%
38) trans-1,3-Dichloropropene-	10.58	79	42514	17.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.00%
39) 2-Hexanone-d5	10.93	63	53139	42.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	99510	20.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	108956	19.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.16%

Target Compounds

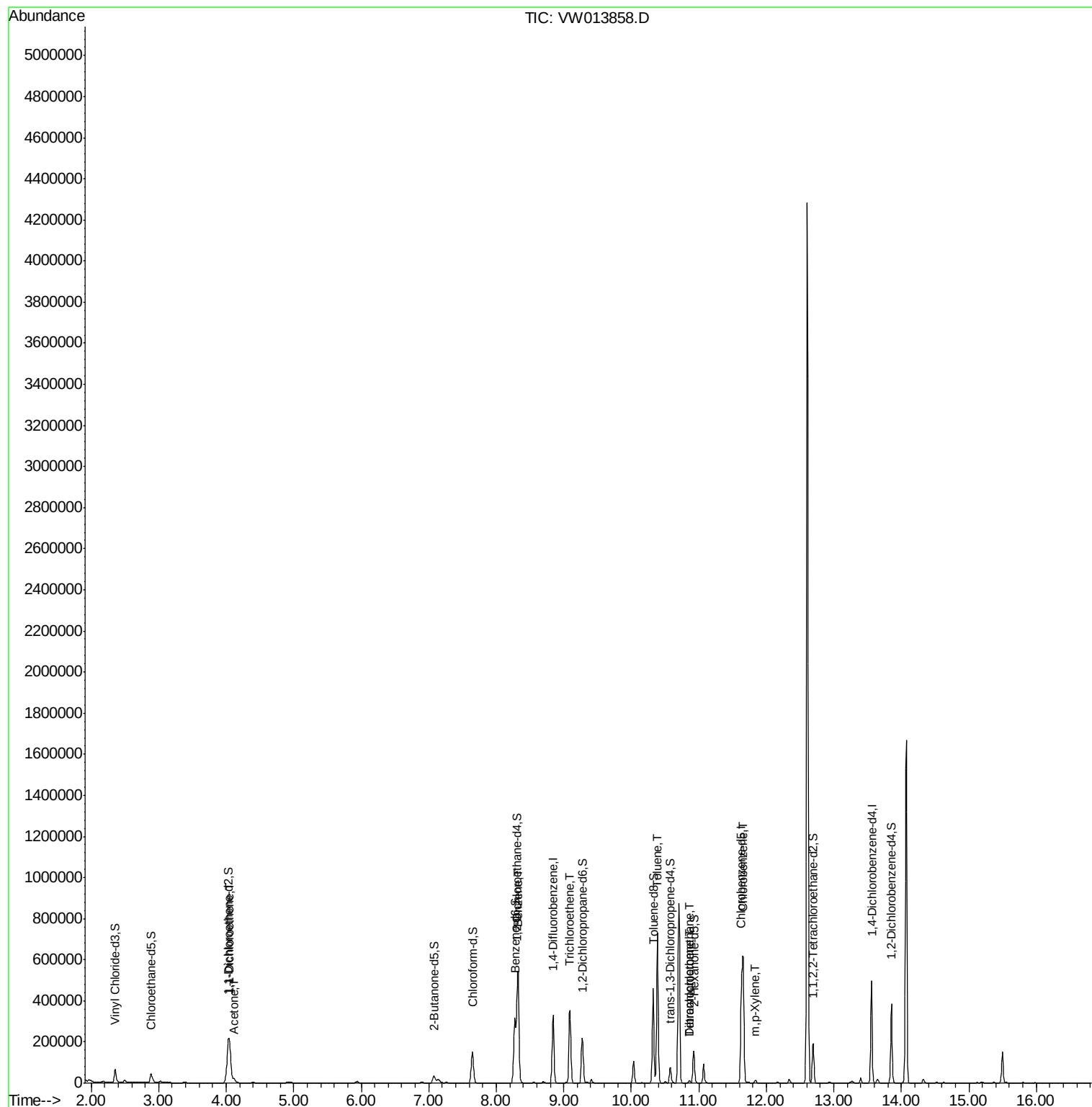
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	109663	23.068	ug/L	88
13) Acetone	4.12	43	25746	17.907	ug/L	97
34) Benzene	8.32	78	503957	25.821	ug/L	100
35) Trichloroethene	9.09	95	127611	24.774	ug/L	99
44) Toluene	10.39	91	548535	26.029	ug/L	100
47) Tetrachloroethene	10.86	164	2654	0.574	ug/L	89
50) Dibromochloromethane	10.87	129	2209	0.489	ug/L #	12
52) Chlorobenzene	11.66	112	339571	24.847	ug/L	99
54) m,p-Xylene	11.83	106	3392	0.373	ug/L	94

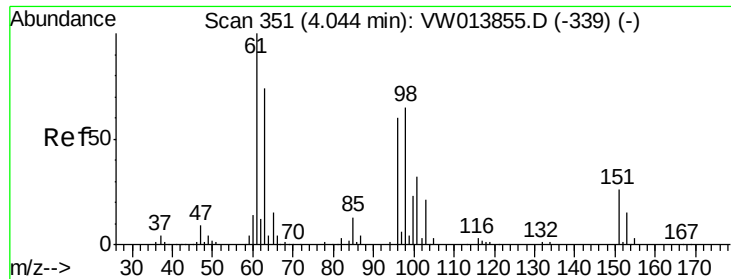
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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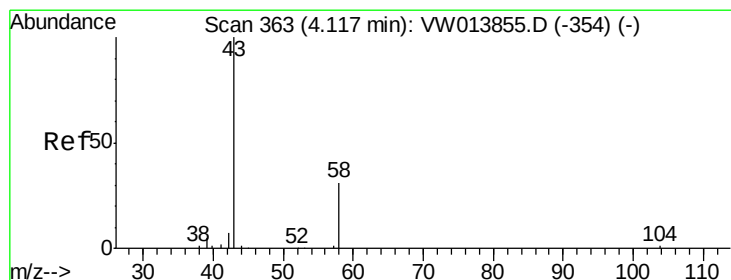
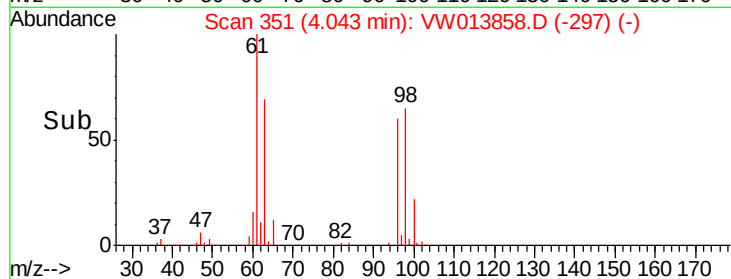
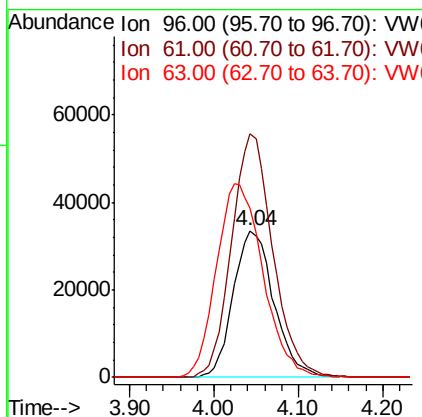
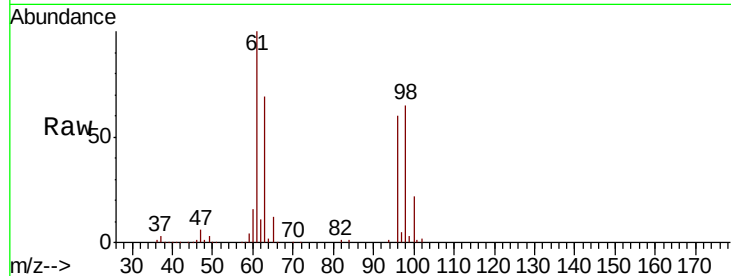




#12
 1,1-Dichloroethene
 Concen: 23.068 ug/L
 RT: 4.04 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VW013858.D
 Acq: 31 Oct 2019 15:33

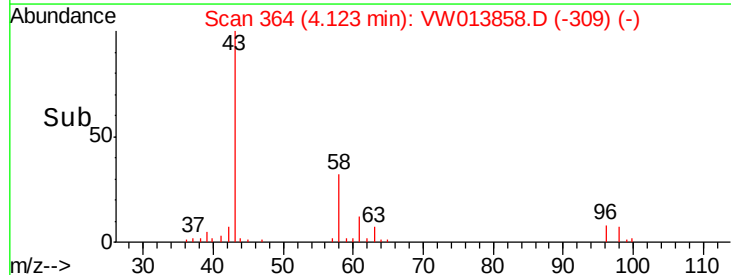
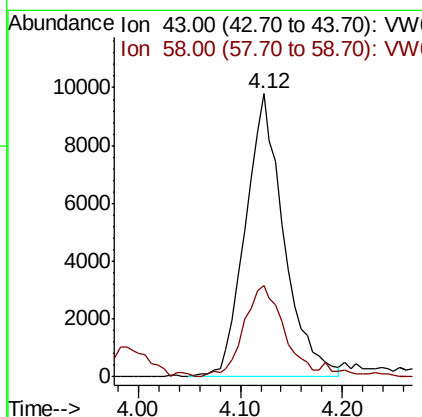
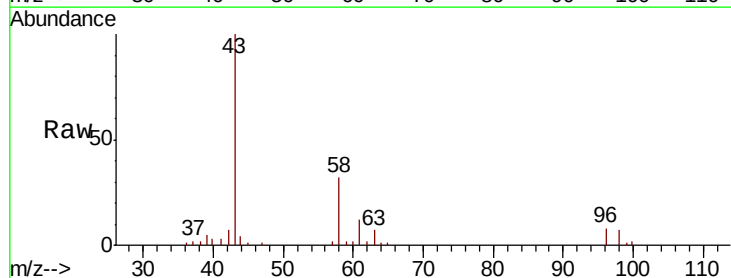
Instrument :
 MSVOA_W
 ClientSampled :

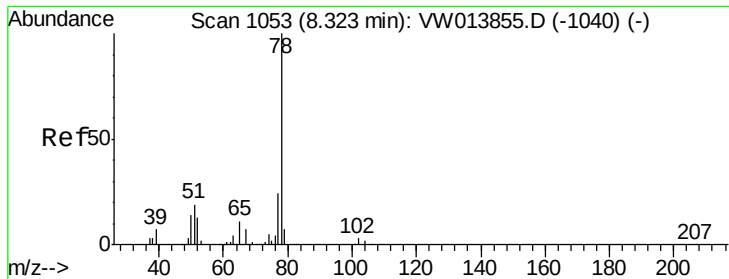
Tot Ion: 96 Resp: 109663
 Ion Ratio Lower Upper
 96 100
 61 165.7 110.4 205.0
 63 115.0 95.5 177.3



#13
 Acetone
 Concen: 17.907 ug/L
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW013858.D
 Acq: 31 Oct 2019 15:33

Tgt Ion: 43 Resp: 25746
 Ion Ratio Lower Upper
 43 100
 58 33.2 0.0 63.4





#34

Benzene

Concen: 25.821 ug/L

RT: 8.32 min Scan# 1053

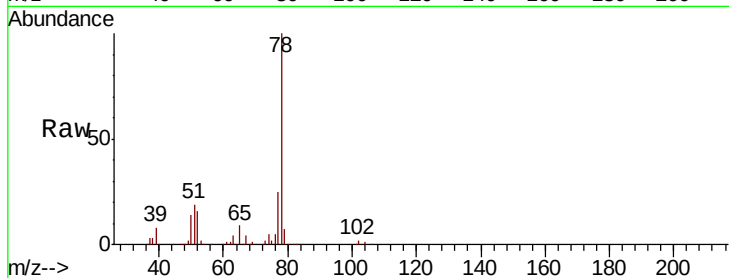
Delta R.T. -0.00 min

Lab File: VW013858.D

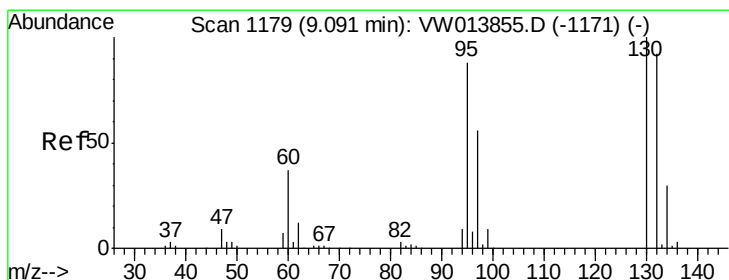
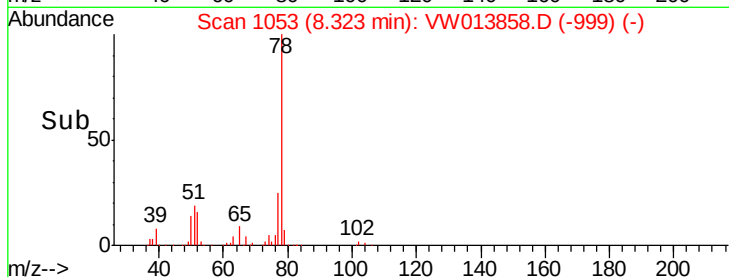
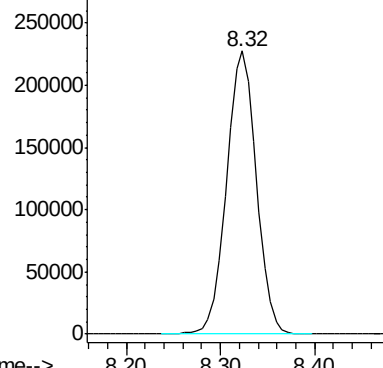
Acq: 31 Oct 2019 15:33

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 78 Resp: 503957



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 24.774 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013858.D

Acq: 31 Oct 2019 15:33

Tgt Ion: 95 Resp: 127611

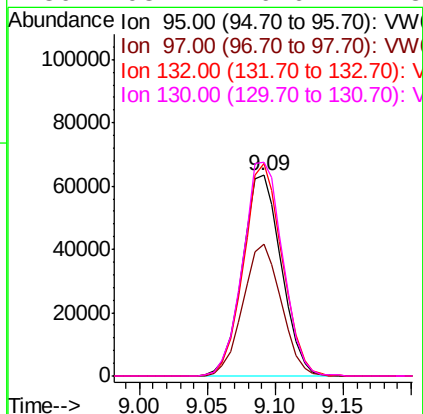
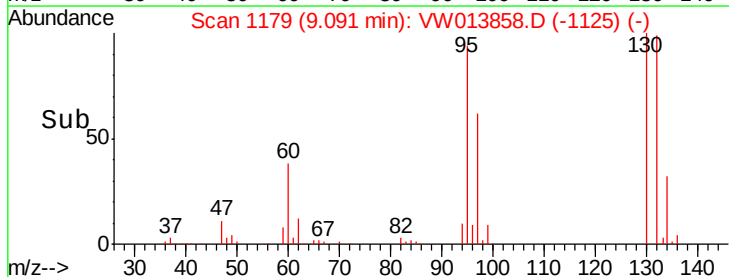
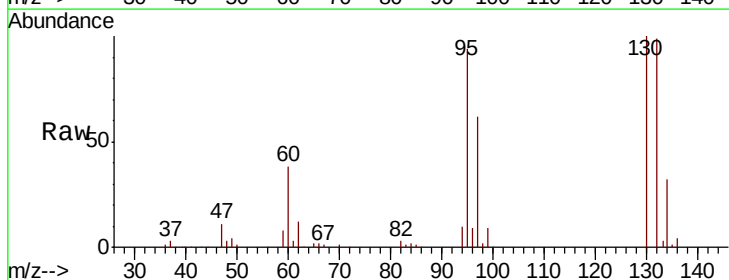
Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.0	83.6
132	104.1	72.4	134.4
130	108.7	76.6	142.3

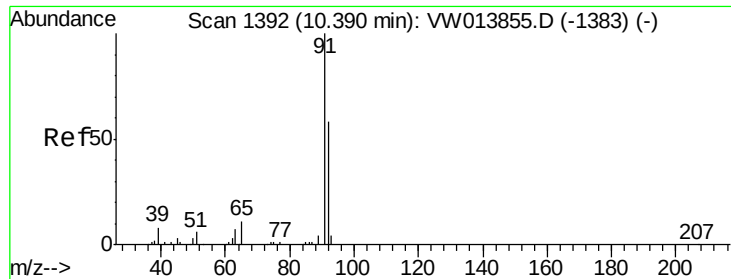
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#44

Toluene

Concen: 26.029 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW013858.D

Acq: 31 Oct 2019 15:33

Instrument :

MSVOA_W

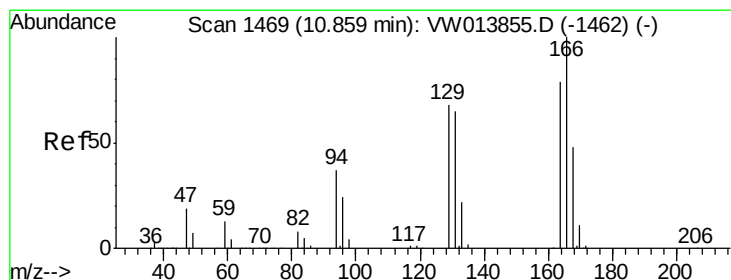
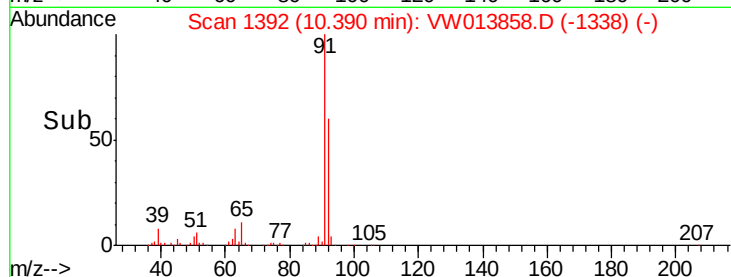
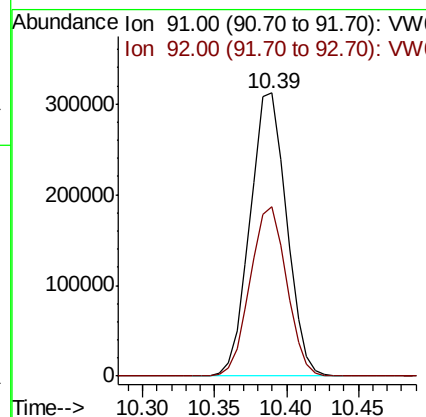
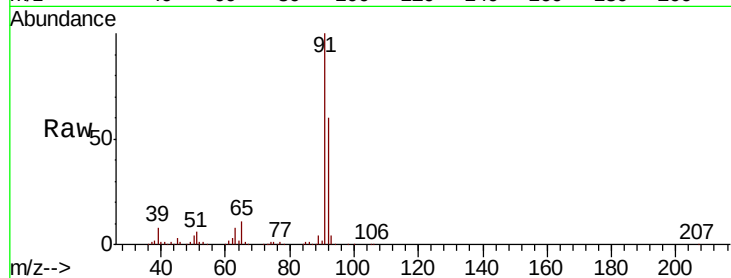
ClientSampleId :

Tot Ion: 91 Resp: 548535

Ion Ratio Lower Upper

91 100

92 59.8 42.0 78.0



#47

Tetrachloroethene

Concen: 0.574 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013858.D

Acq: 31 Oct 2019 15:33

Tgt Ion: 164 Resp: 2654

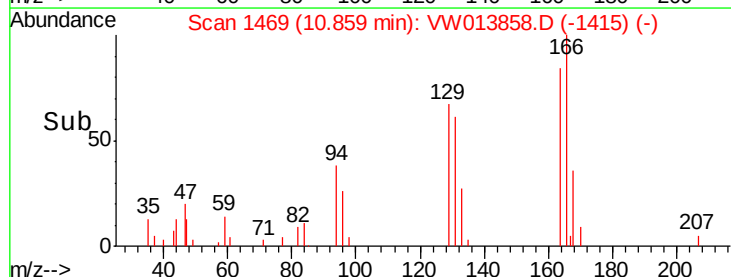
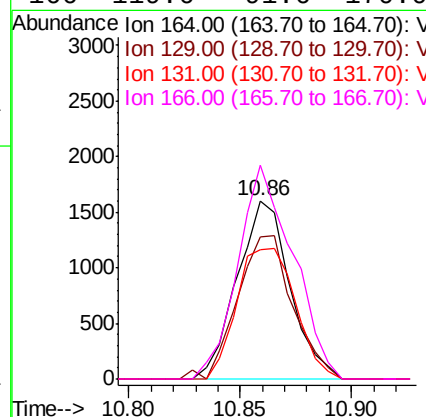
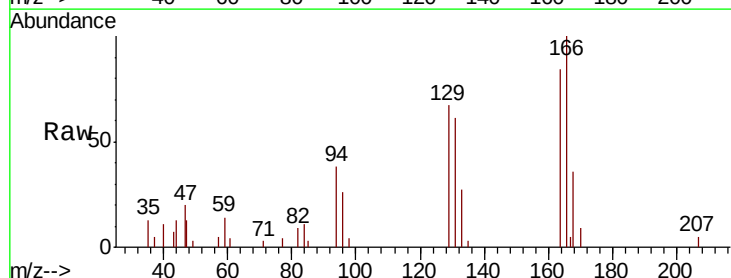
Ion Ratio Lower Upper

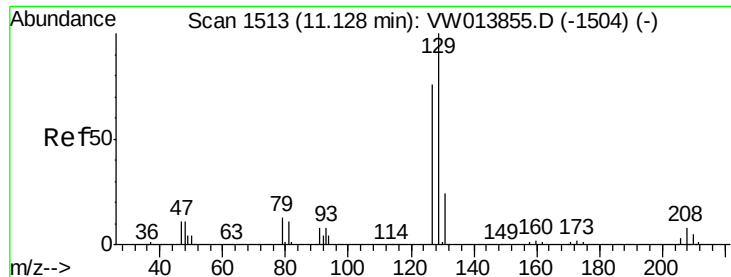
164 100

129 79.6 62.5 116.1

131 72.5 59.8 111.0

166 119.6 91.6 170.0

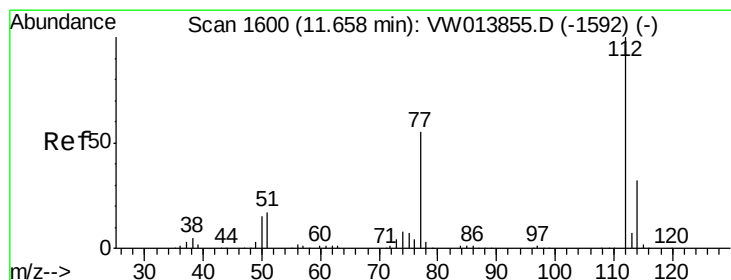
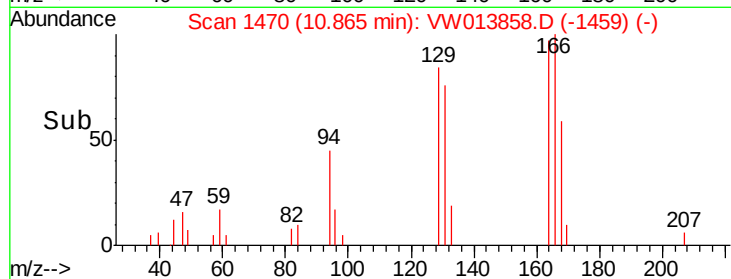
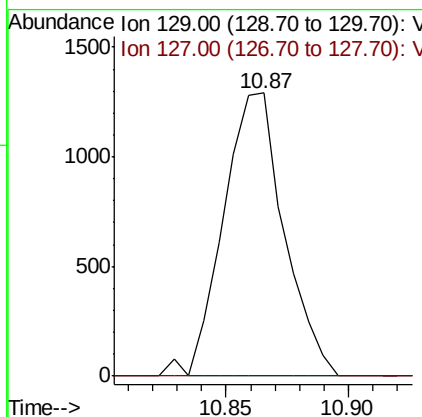
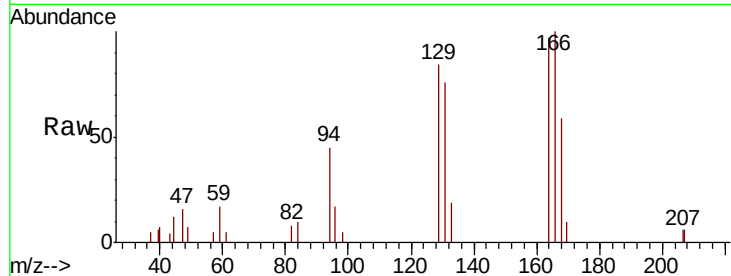




#50
Dibromochloromethane
Concen: 0.489 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.26 min
Lab File: VW013858.D
Acq: 31 Oct 2019 15:33

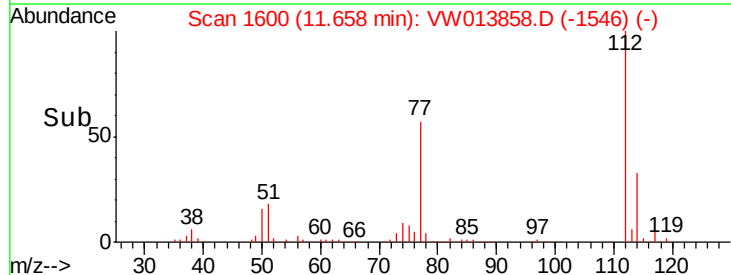
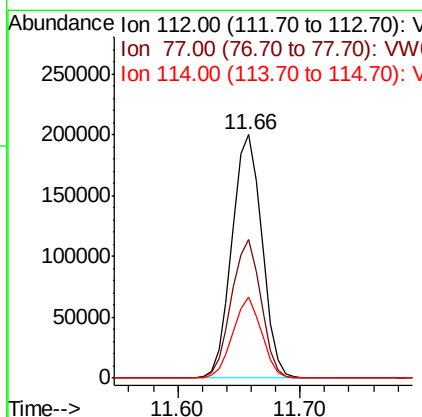
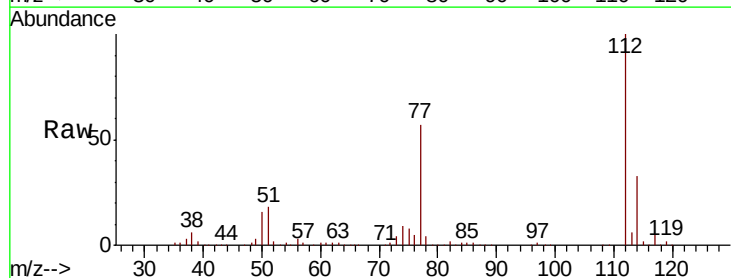
Instrument :
MSVOA_W
ClientSampled :

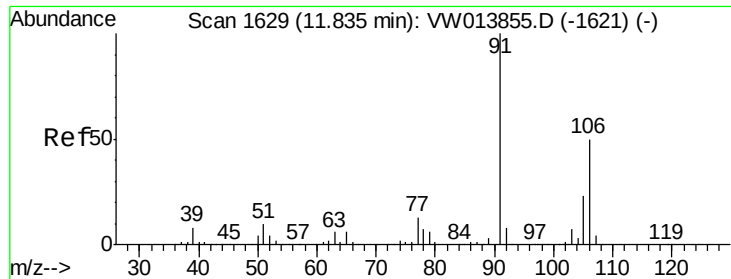
Tot Ion:129 Resp: 2209
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.8#



#52
Chlorobenzene
Concen: 24.847 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013858.D
Acq: 31 Oct 2019 15:33

Tgt Ion:112 Resp: 339571
Ion Ratio Lower Upper
112 100
77 57.0 44.7 67.1
114 33.2 23.1 42.9





#54
 m,p-Xylene
 Concen: 0.373 ug/L
 RT: 11.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VW013858.D
 Acq: 31 Oct 2019 15:33

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:106 Resp: 3392
 Ion Ratio Lower Upper
 106 100
 91 204.2 136.6 253.8

