

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111519\
 Data File : VW014045.D
 Acq On : 15 Nov 2019 17:06
 Operator : SY/VA
 Sample : K5855-03MSD
 Misc : 8.38G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 16 04:09:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 16 04:05:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	325122	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	250192	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	82148	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	124150	23.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.72%
7) Chloroethane-d5	2.89	69	109791	26.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.44%
10) 1,1-Dichloroethene-d2	4.02	63	254258	23.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.52%
20) 2-Butanone-d5	7.07	46	84869	56.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.64%
24) Chloroform-d	7.65	84	273389	27.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	8.31	65	146832	29.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.88%
29) Benzene-d6	8.27	84	574024	32.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	129.36%
33) 1,2-Dichloropropane-d6	9.27	67	176413	33.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	135.72%#
37) Toluene-d8	10.32	98	480086	28.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.08%
38) trans-1,3-Dichloropropene-	10.57	79	65392	29.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	117.44%
39) 2-Hexanone-d5	10.92	63	68831	69.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	139.60%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	105195	26.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	79030	23.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.80%

Target Compounds

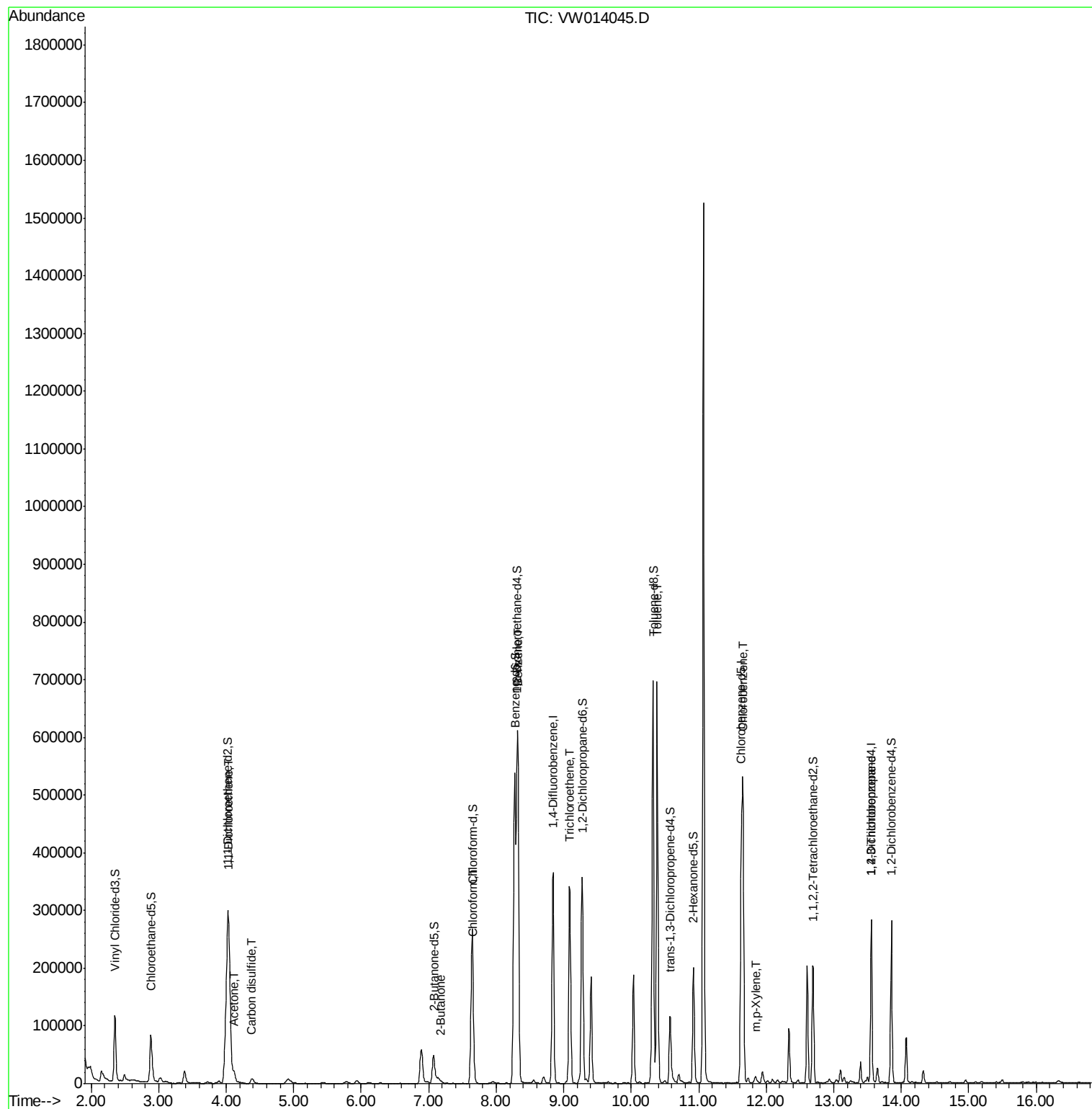
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	119294	21.735	ug/L	88
13) Acetone	4.12	43	23984	15.640	ug/L	72
14) Carbon disulfide	4.37	76	13208	0.846	ug/L #	95
21) 2-Butanone	7.18	43	5375	2.728	ug/L #	64
25) Chloroform	7.66	83	4780	0.505	ug/L #	74
34) Benzene	8.32	78	528731	28.811	ug/L	100
35) Trichloroethene	9.09	95	119940	24.501	ug/L	99
44) Toluene	10.38	91	529818	26.480	ug/L	99
52) Chlorobenzene	11.65	112	274380	21.874	ug/L	96
54) m,p-Xylene	11.84	106	2499	0.293	ug/L	91
59) 1,2,3-Trichloropropane	13.55	75	8721	3.060	ug/L	94

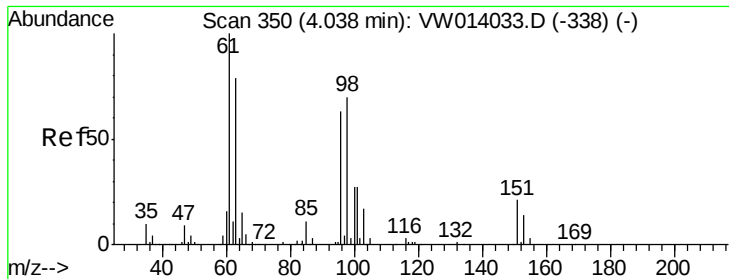
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Nov 16 04:05:25 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 21.735 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014045.D

Acq: 15 Nov 2019 17:06

Instrument :
MSVOA_W
ClientSampled :

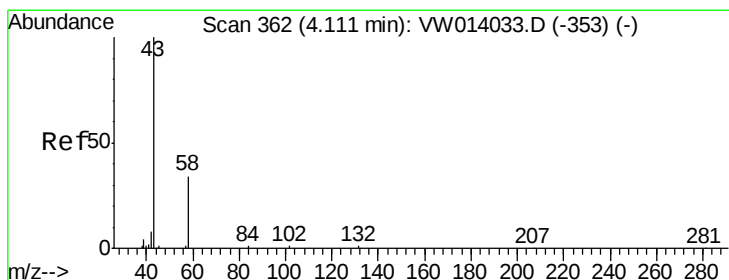
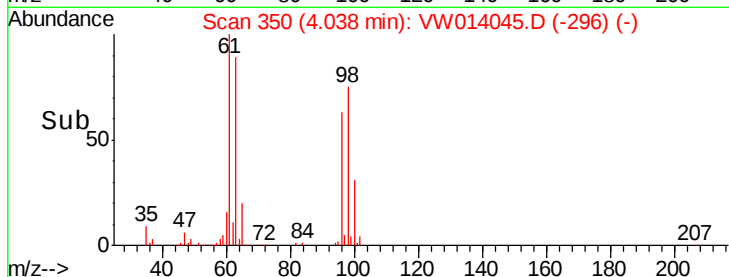
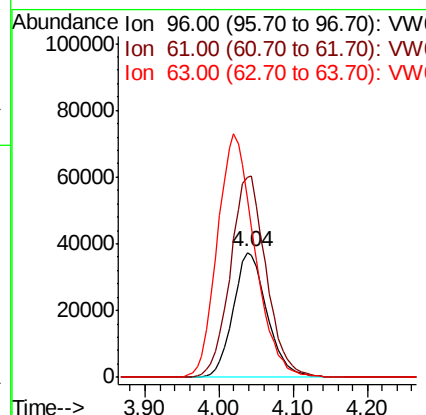
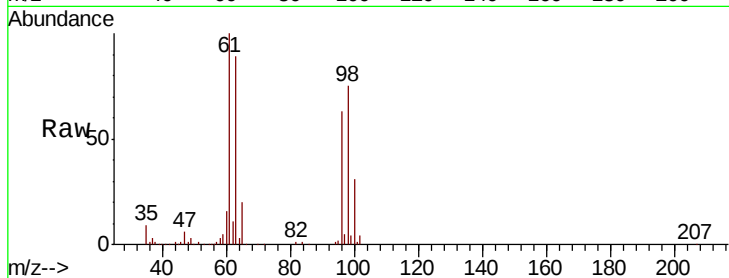
Tot Ion: 96 Resp: 119294

Ion Ratio Lower Upper

96 100

61 159.7 109.8 204.0

63 142.4 80.7 149.9



#13

Acetone

Concen: 15.640 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014045.D

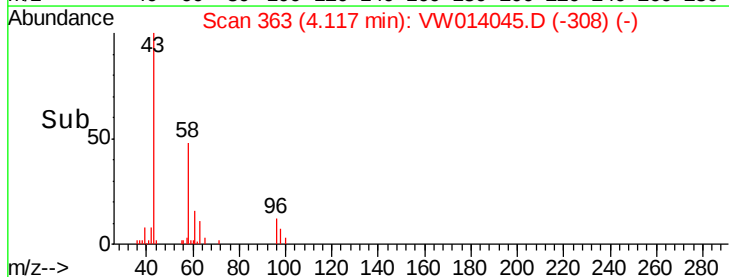
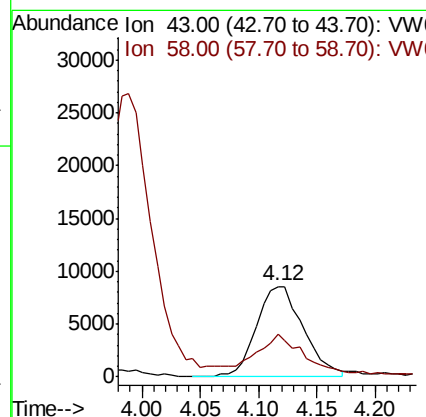
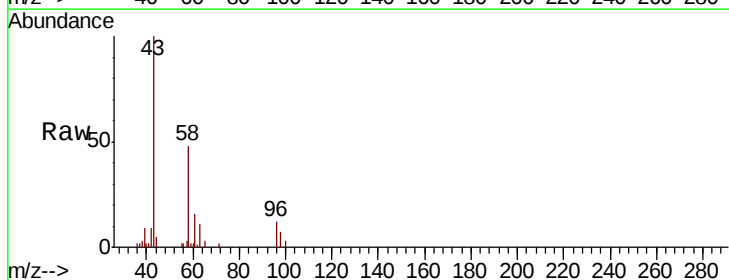
Acq: 15 Nov 2019 17:06

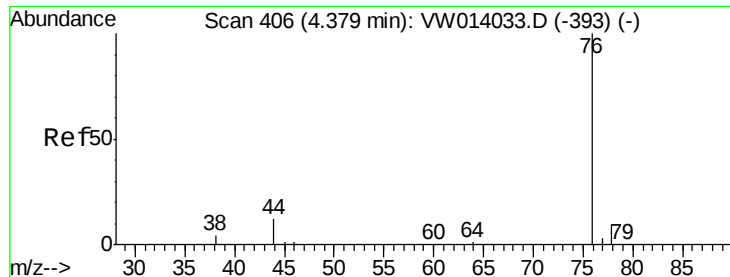
Tgt Ion: 43 Resp: 23984

Ion Ratio Lower Upper

43 100

58 48.4 0.0 65.4





#14

Carbon disulfide

Concen: 0.846 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW014045.D

Acq: 15 Nov 2019 17:06

Instrument :

MSVOA_W

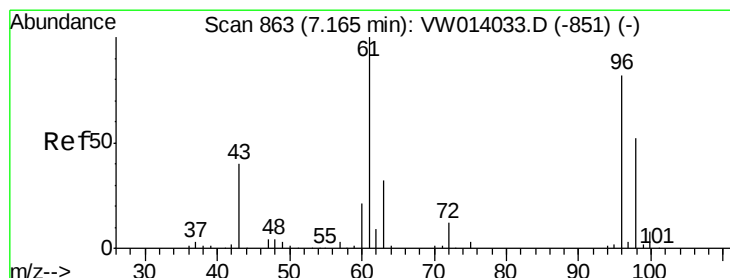
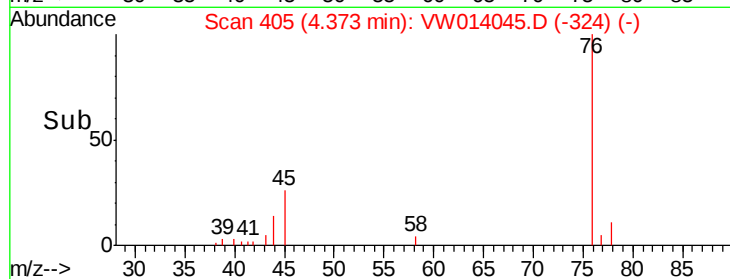
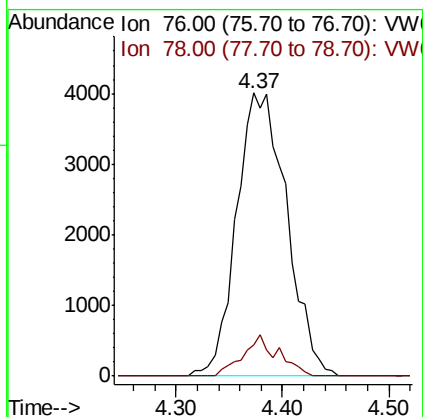
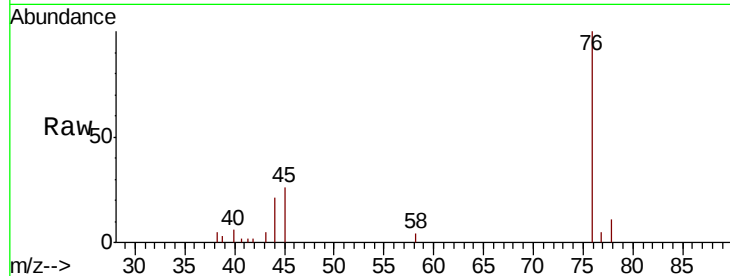
ClientSampleId :

Tot Ion: 76 Resp: 13208

Ion Ratio Lower Upper

76 100

78 10.9 7.2 10.8#



#21

2-Butanone

Concen: 2.728 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW014045.D

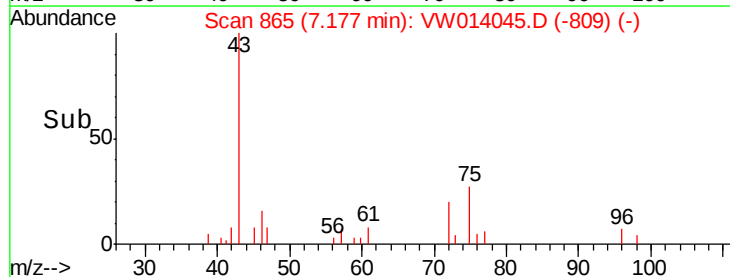
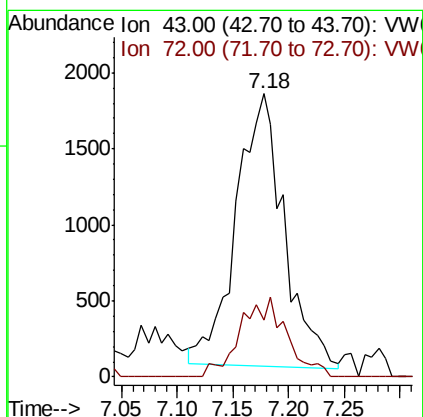
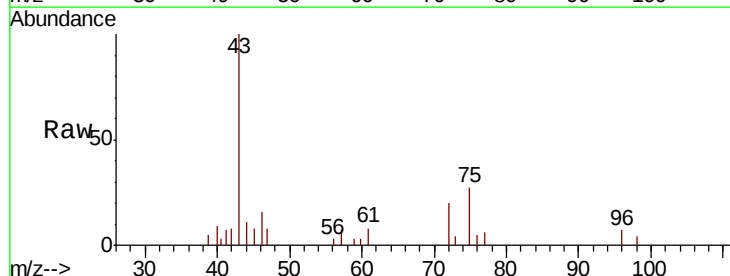
Acq: 15 Nov 2019 17:06

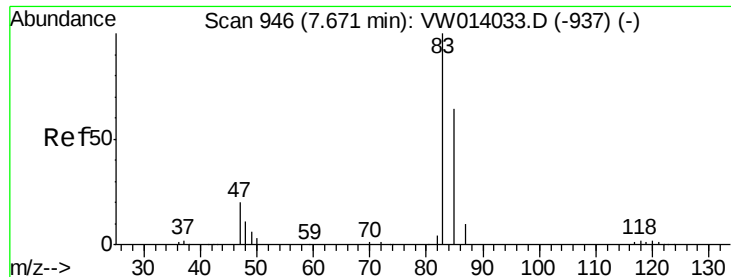
Tgt Ion: 43 Resp: 5375

Ion Ratio Lower Upper

43 100

72 9.0 14.1 42.2#

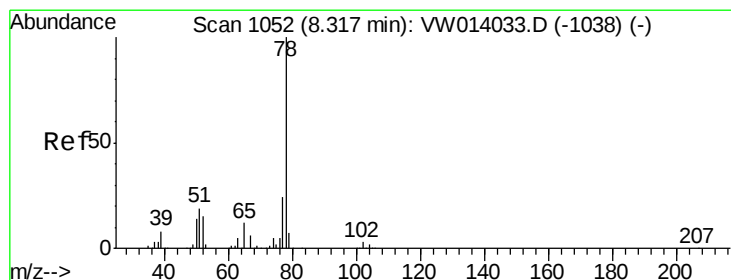
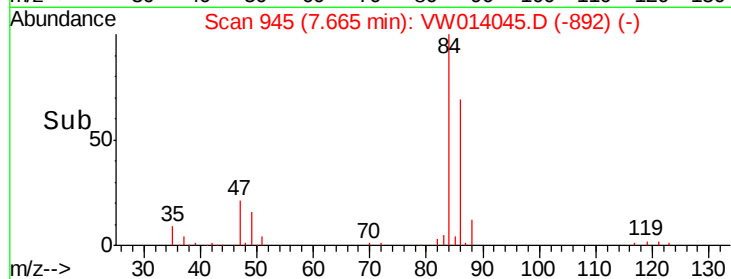
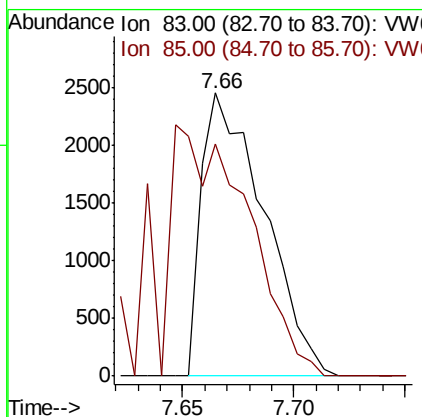
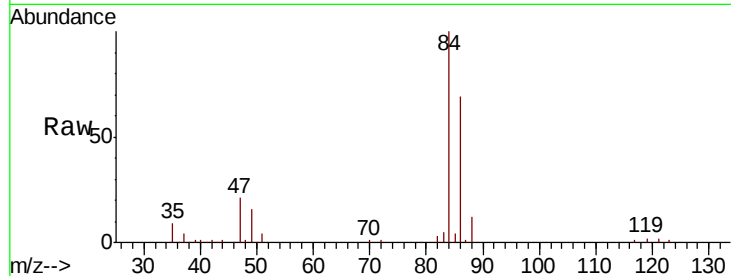




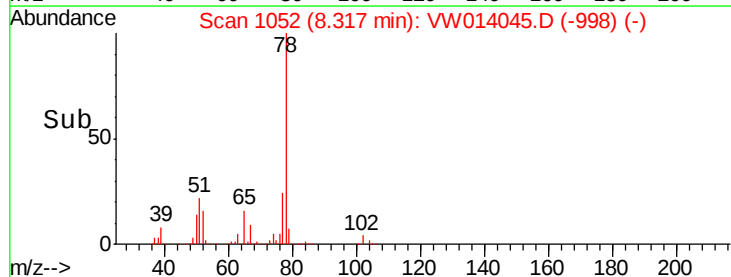
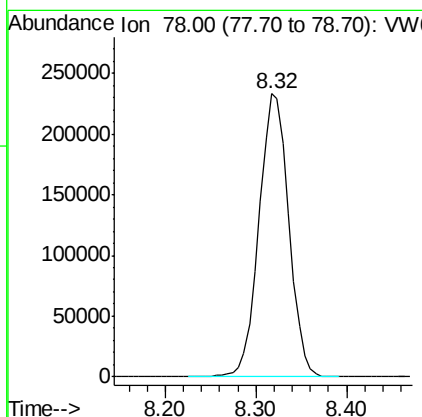
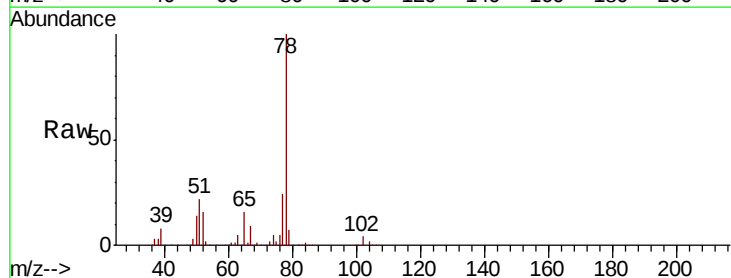
#25
Chloroform
Concen: 0.505 ug/L
RT: 7.66 min Scan# 945
Delta R.T. -0.01 min
Lab File: VW014045.D
Acq: 15 Nov 2019 17:06

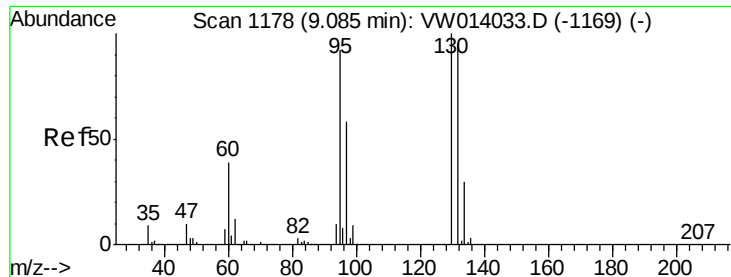
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 4780
Ion Ratio Lower Upper
83 100
85 45.1 46.1 85.7#



#34
Benzene
Concen: 28.811 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014045.D
Acq: 15 Nov 2019 17:06
Tgt Ion: 78 Resp: 528731





#35

Trichloroethene

Concen: 24.501 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014045.D

Acq: 15 Nov 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 119940

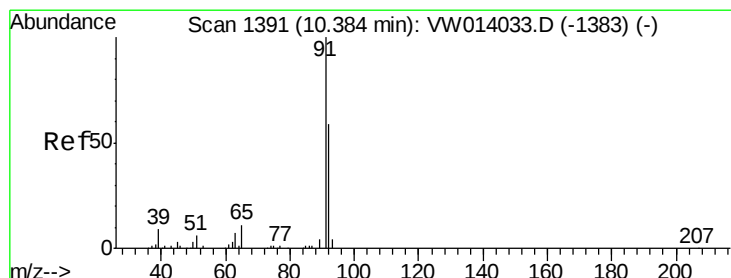
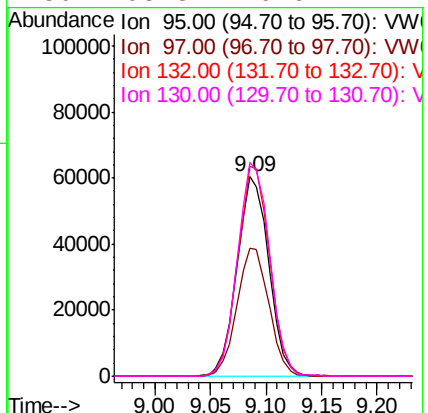
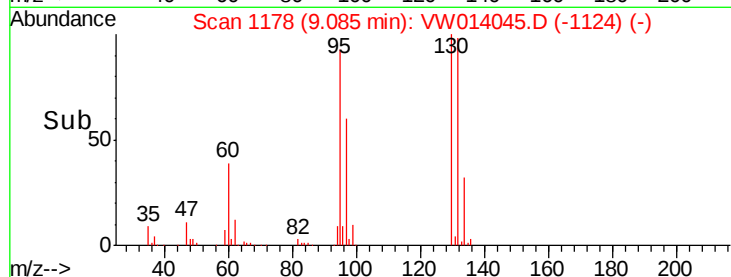
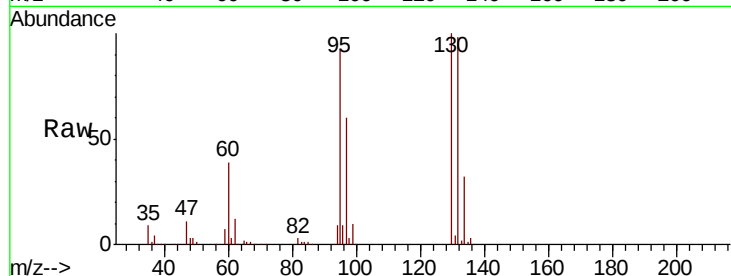
Ion Ratio Lower Upper

95 100

97 64.6 45.1 83.9

132 105.5 73.7 136.9

130 108.3 76.6 142.2



#44

Toluene

Concen: 26.480 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014045.D

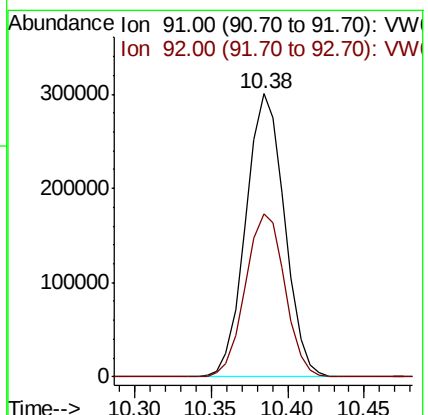
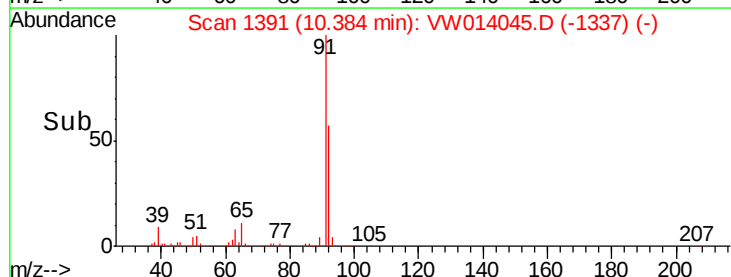
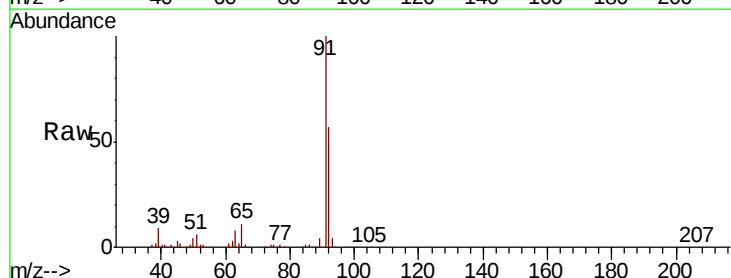
Acq: 15 Nov 2019 17:06

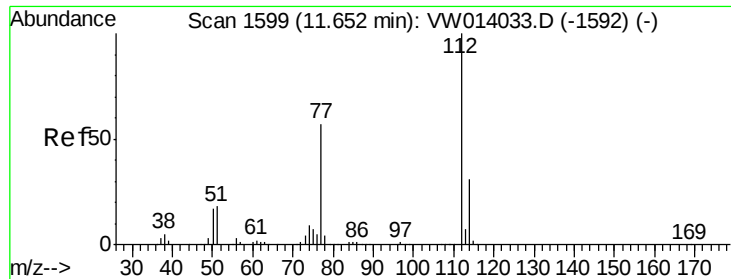
Tgt Ion: 91 Resp: 529818

Ion Ratio Lower Upper

91 100

92 57.4 40.7 75.7





#52

Chlorobenzene

Concen: 21.874 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VW014045.D

Acq: 15 Nov 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

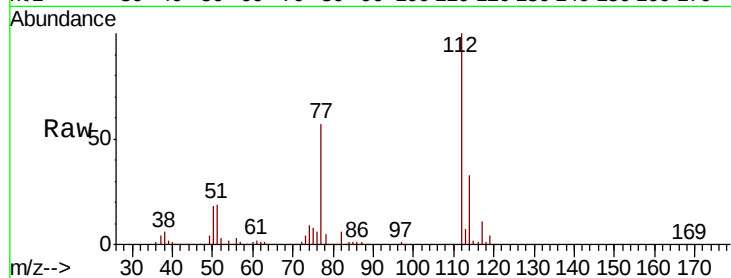
Tot Ion:112 Resp: 274380

Ion Ratio Lower Upper

112 100

77 57.1 42.2 63.4

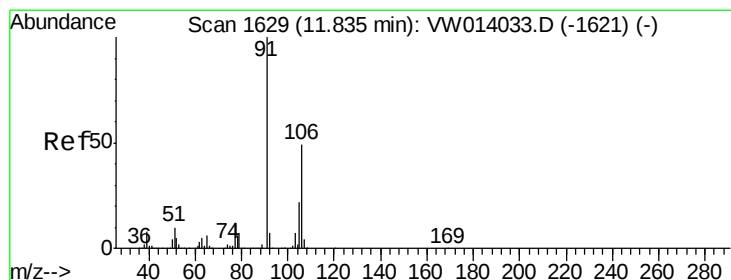
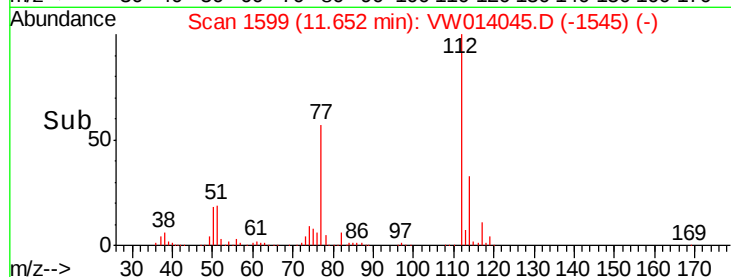
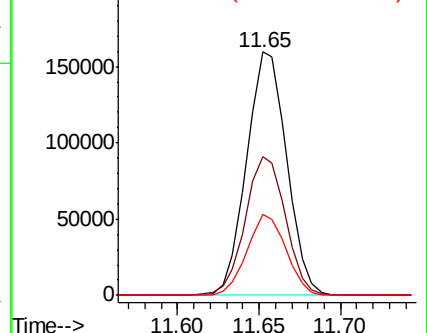
114 33.2 22.5 41.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#54

m,p-Xylene

Concen: 0.293 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW014045.D

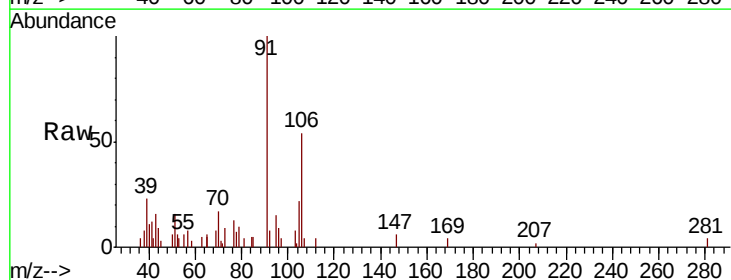
Acq: 15 Nov 2019 17:06

Tgt Ion:106 Resp: 2499

Ion Ratio Lower Upper

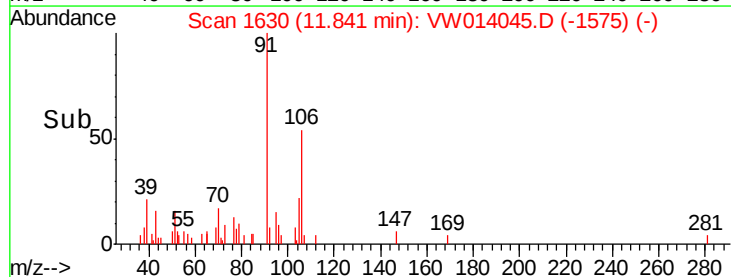
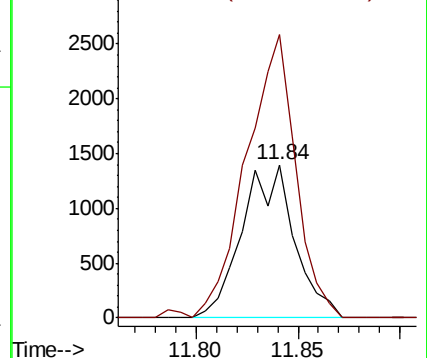
106 100

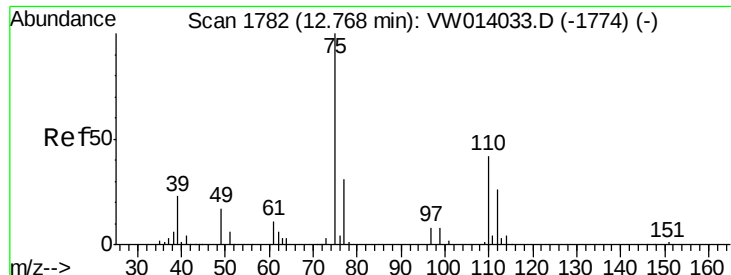
91 184.5 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#59

1,2,3-Trichloropropane

Concen: 3.060 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014045.D

Acq: 15 Nov 2019 17:06

Instrument :

MSVOA_W

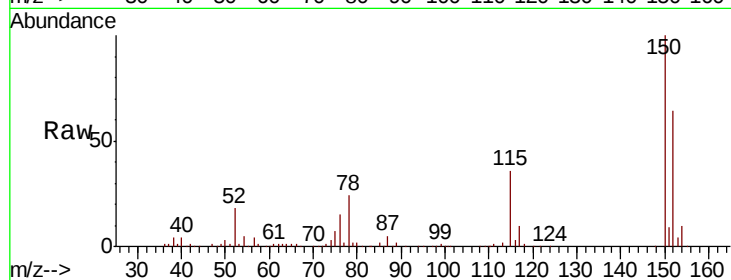
ClientSampleId :

Tot Ion: 75 Resp: 8721

Ion Ratio Lower Upper

75 100

77 35.8 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

