

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111519\
 Data File : VW014040.D
 Acq On : 15 Nov 2019 14:54
 Operator : SY/VA
 Sample : K5811-03
 Misc : 4.26G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOP1

Quant Time: Nov 16 04:37:51 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	281887	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	195861	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	52966	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	107615	23.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.72%
7) Chloroethane-d5	2.89	69	94972	26.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.20%
10) 1,1-Dichloroethene-d2	4.02	63	154940	16.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.16%
20) 2-Butanone-d5	7.07	46	81943	62.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.44%
24) Chloroform-d	7.65	84	224034	25.85	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	8.30	65	129115	29.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.52%
29) Benzene-d6	8.27	84	457912	32.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	131.80%
33) 1,2-Dichloropropane-d6	9.27	67	141354	34.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	138.88%#
37) Toluene-d8	10.32	98	343763	26.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.36%
38) trans-1,3-Dichloropropene-	10.57	79	54343	31.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	124.68%
39) 2-Hexanone-d5	10.92	63	57747	74.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	149.62%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	82566	26.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	47372	22.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.04%

Target Compounds

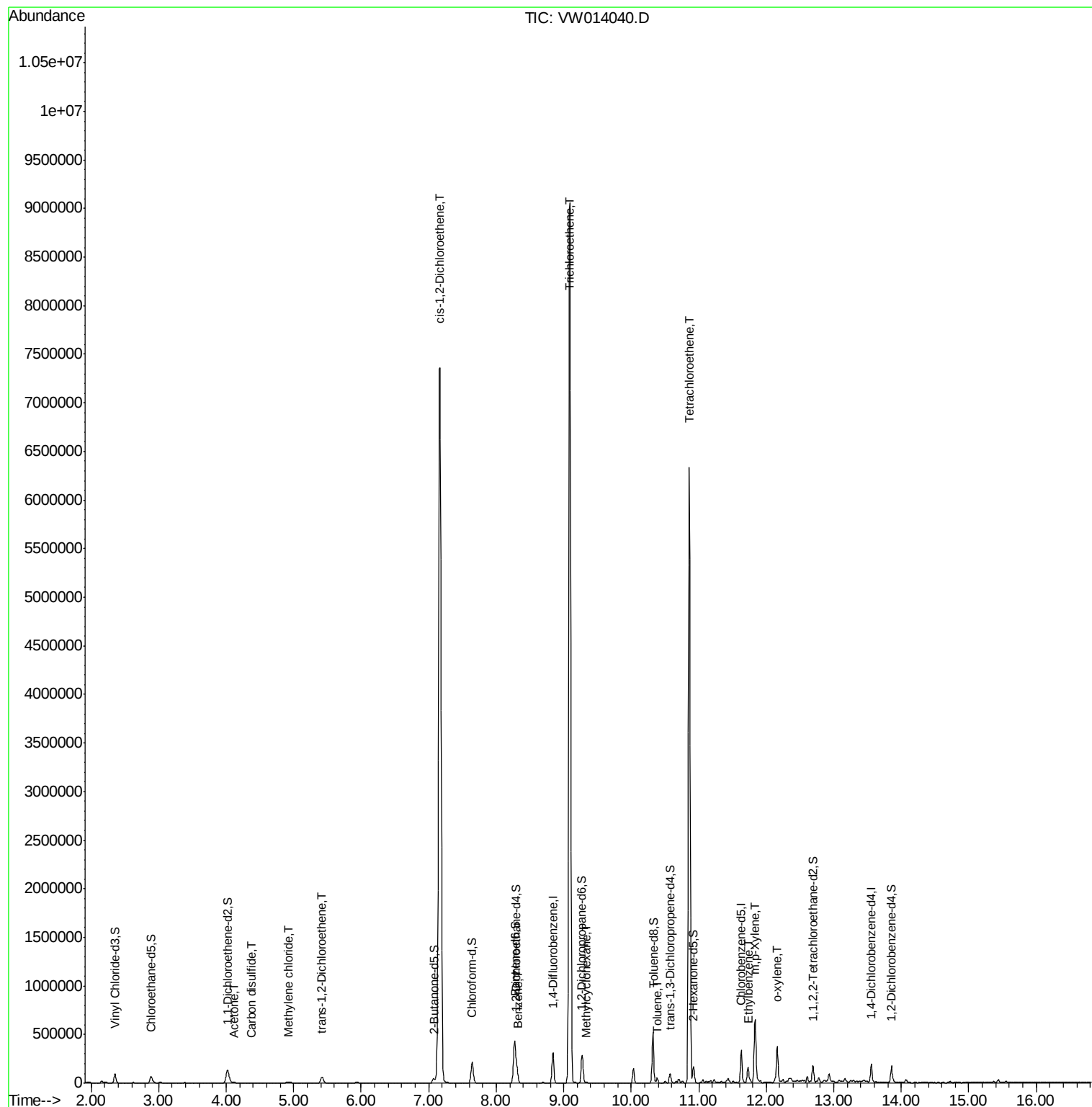
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	10219	7.686	ug/L	94
14) Carbon disulfide	4.38	76	7414	0.547	ug/L	96
16) Methylene chloride	4.92	84	10250	1.889	ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	38459	7.750	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	4779270	915.241	ug/L	98
34) Benzene	8.32	78	9355	0.651	ug/L	100
35) Trichloroethene	9.09	95	3186752	831.558	ug/L	99
36) Methylcyclohexane	9.34	83	3603	0.524	ug/L #	88
44) Toluene	10.38	91	42629	2.722	ug/L	97
47) Tetrachloroethene	10.86	164	1571857	460.172	ug/L	97
53) Ethylbenzene	11.73	91	111257	6.473	ug/L	99
54) m,p-Xylene	11.84	106	195657	29.291	ug/L	97
55) o-xylene	12.16	106	102450	16.379	ug/L	94

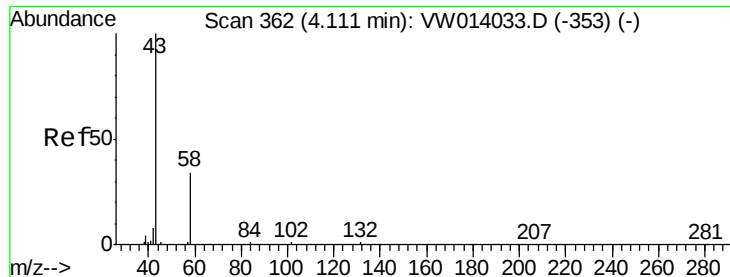
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 7.686 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014040.D

Acq: 15 Nov 2019 14:54

Instrument :

MSVOA_W

ClientSampleId :

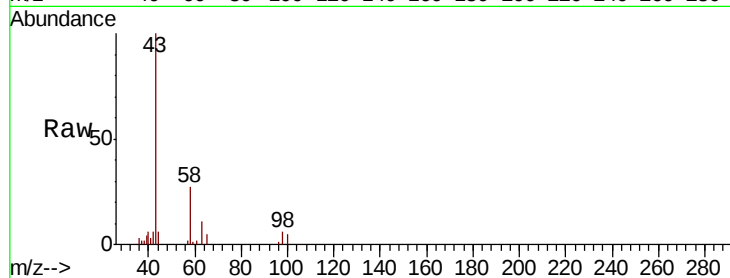
ETOP1

Tot Ion: 43 Resp: 10219

Ion Ratio Lower Upper

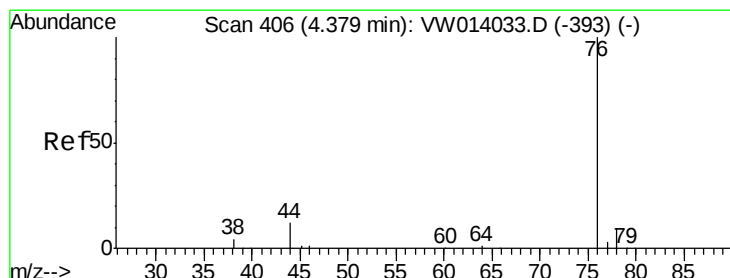
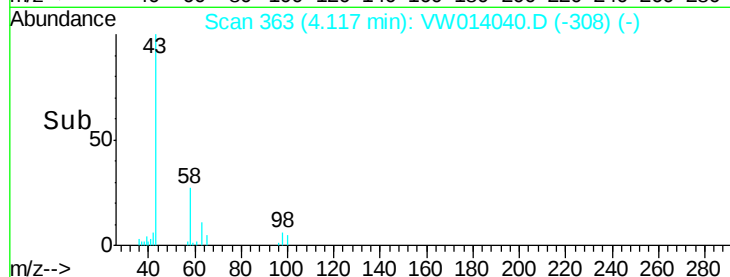
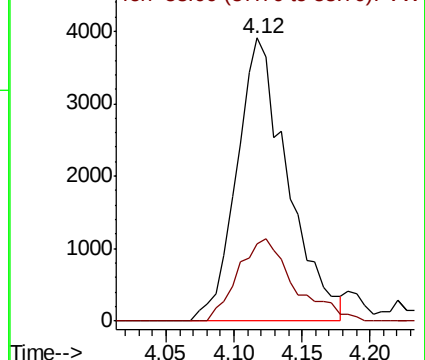
43 100

58 29.3 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.547 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW014040.D

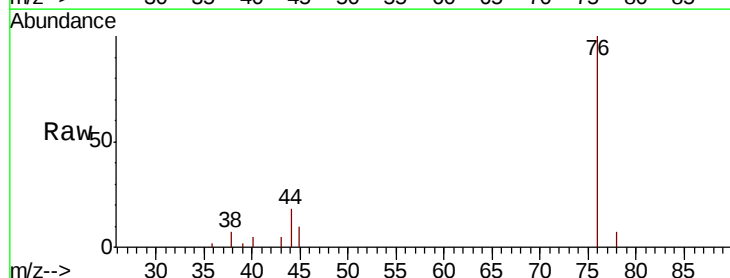
Acq: 15 Nov 2019 14:54

Tgt Ion: 76 Resp: 7414

Ion Ratio Lower Upper

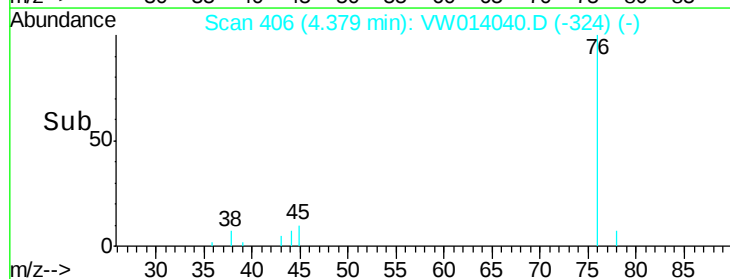
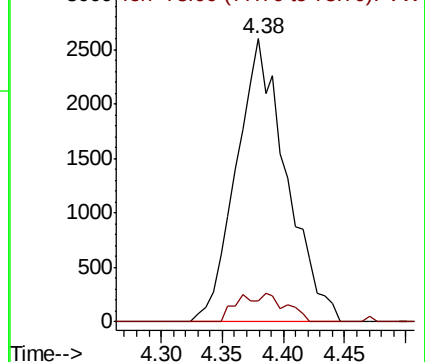
76 100

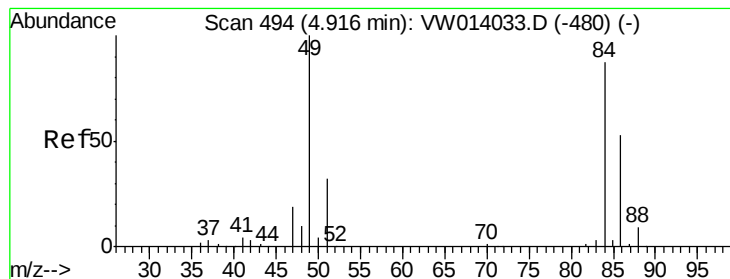
78 7.5 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#16

Methylene chloride

Concen: 1.889 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW014040.D

Acq: 15 Nov 2019 14:54

Instrument :

MSVOA_W

ClientSampled :

ETOP1

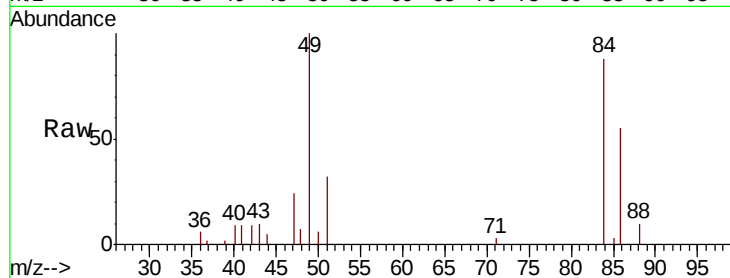
Tot Ion: 84 Resp: 10250

Ion Ratio Lower Upper

84 100

49 114.0 84.2 156.4

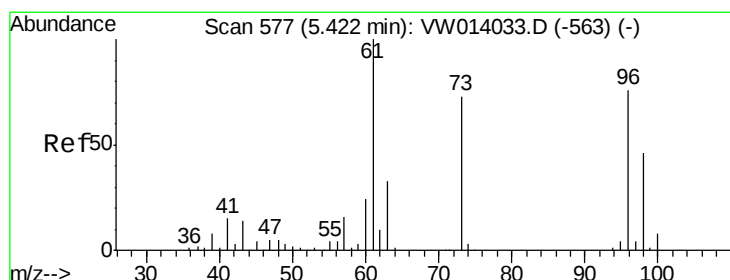
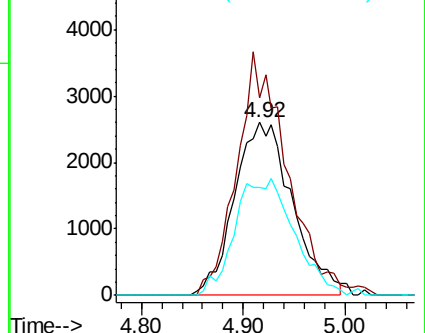
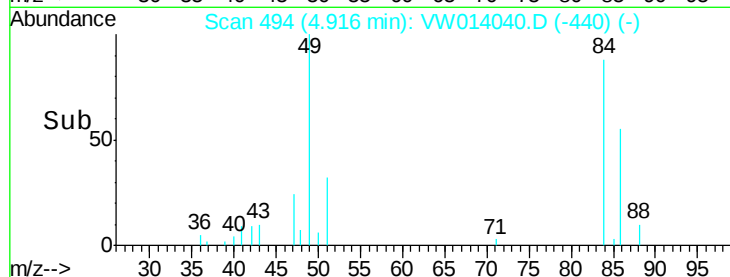
86 62.7 43.7 81.1



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



#18

trans-1,2-Dichloroethene

Concen: 7.750 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW014040.D

Acq: 15 Nov 2019 14:54

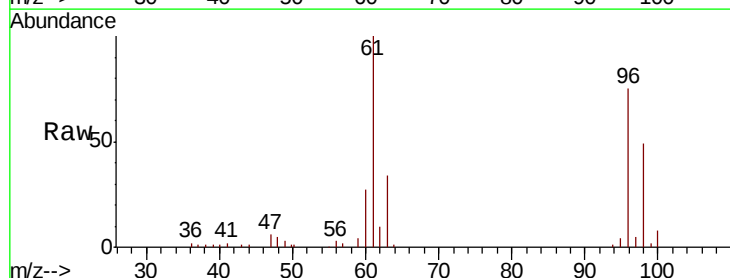
Tgt Ion: 96 Resp: 38459

Ion Ratio Lower Upper

96 100

61 132.5 90.6 168.2

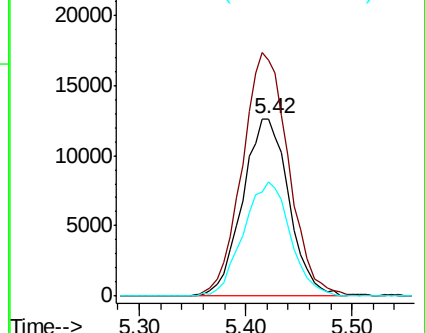
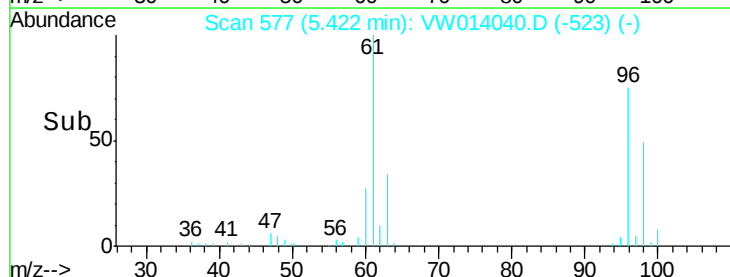
98 64.4 42.9 79.7

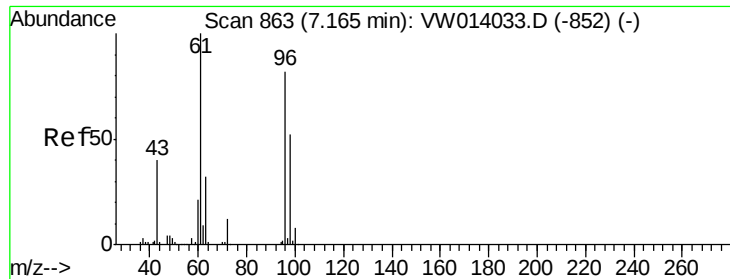


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



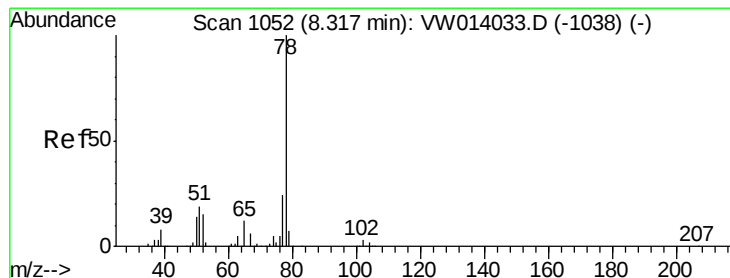
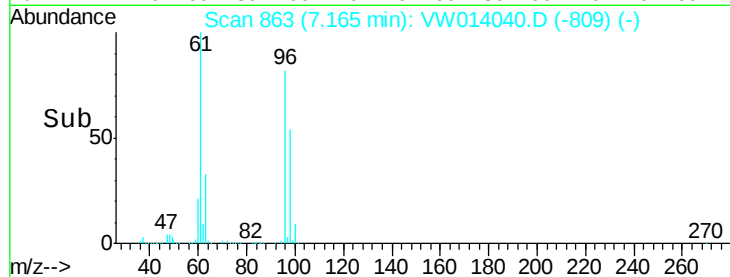
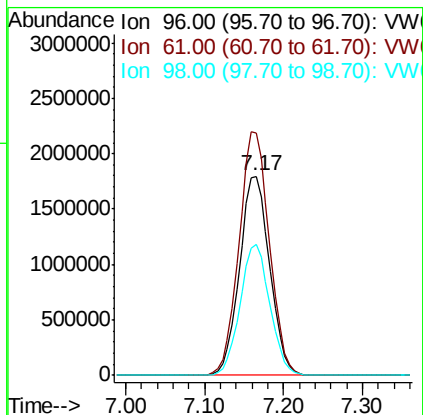
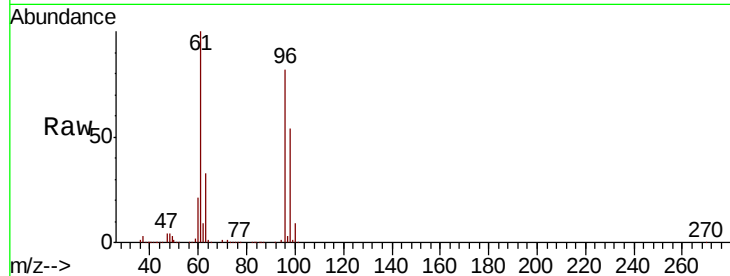


#22

cis-1,2-Dichloroethene
Concen: 915.241 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014040.D
Acq: 15 Nov 2019 14:54

Instrument :
MSVOA_W
ClientSampleId :
ETOP1

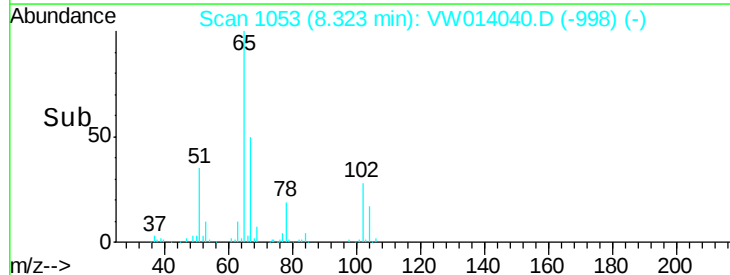
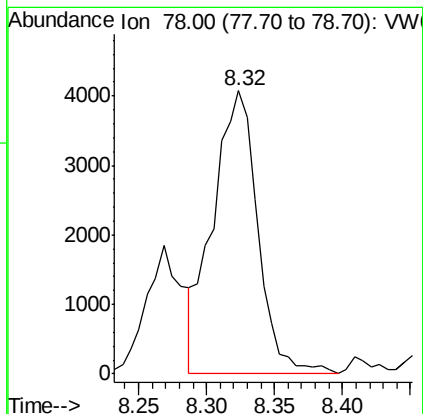
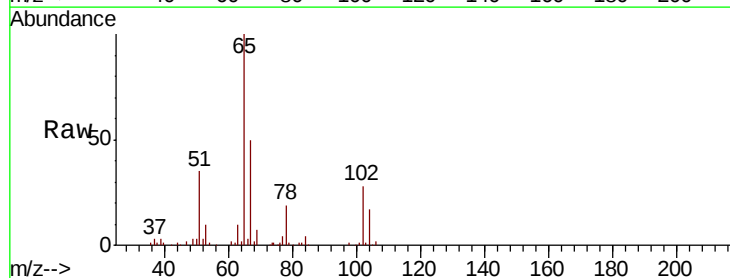
Tot Ion: 96 Resp: 4779270
Ion Ratio Lower Upper
96 100
61 121.4 86.9 161.5
98 65.4 45.5 84.5

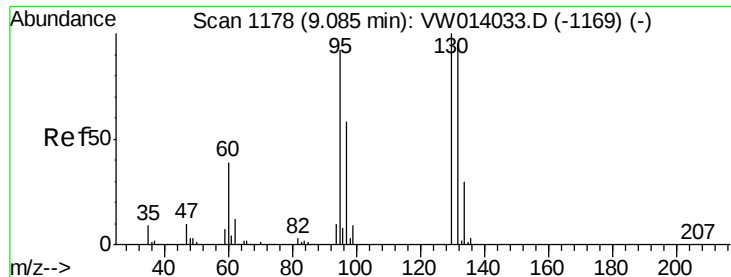


#34

Benzene
Concen: 0.651 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW014040.D
Acq: 15 Nov 2019 14:54

Tgt Ion: 78 Resp: 9355

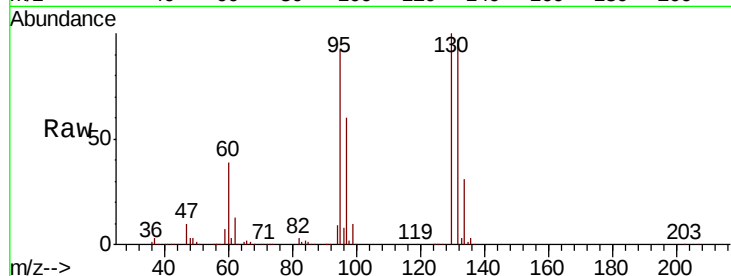




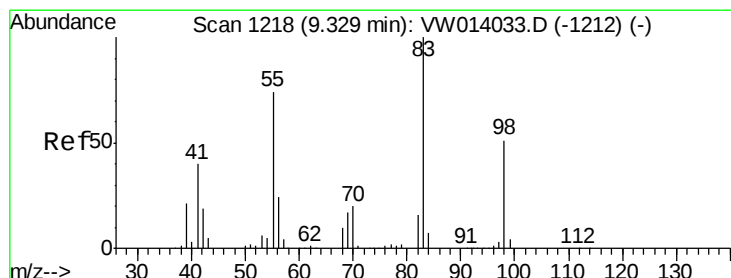
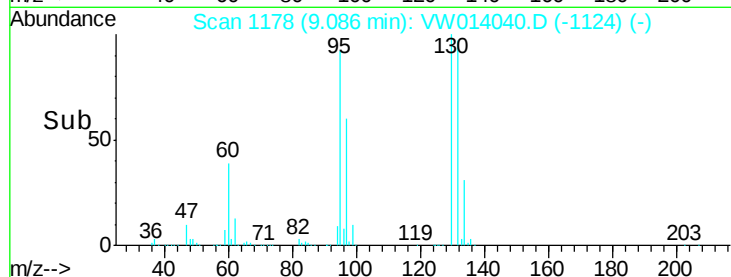
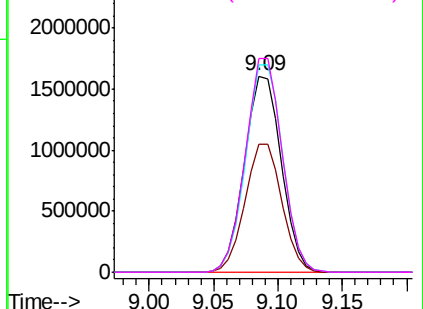
#35
 Trichloroethene
 Concen: 831.558 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014040.D
 Acq: 15 Nov 2019 14:54

Instrument :
 MSVOA_W
 ClientSampled :
 ETOP1

Tot Ion: 95 Resp: 3186752
 Ion Ratio Lower Upper
 95 100
 97 65.2 45.1 83.9
 132 106.0 73.7 136.9
 130 108.3 76.6 142.2

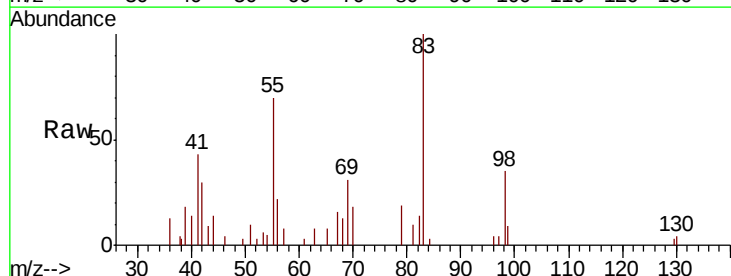


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

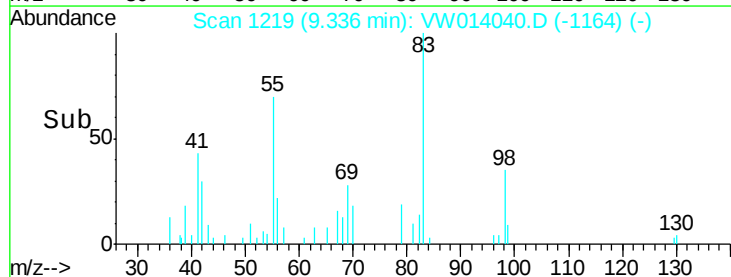
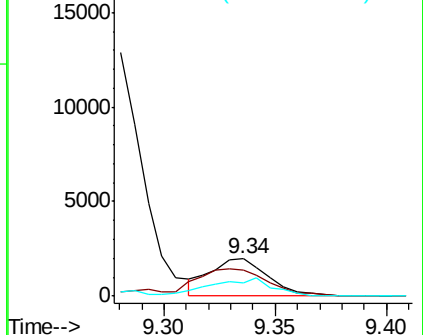


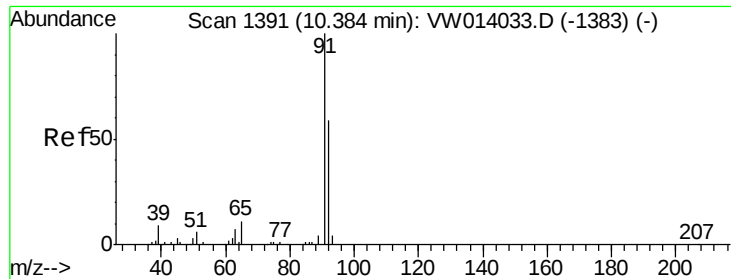
#36
 Methylcyclohexane
 Concen: 0.524 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW014040.D
 Acq: 15 Nov 2019 14:54

Tgt Ion: 83 Resp: 3603
 Ion Ratio Lower Upper
 83 100
 55 90.0 59.8 89.8#
 98 51.6 39.5 59.3



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#44

Toluene

Concen: 2.722 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014040.D

Acq: 15 Nov 2019 14:54

Instrument :

MSVOA_W

ClientSampleId :

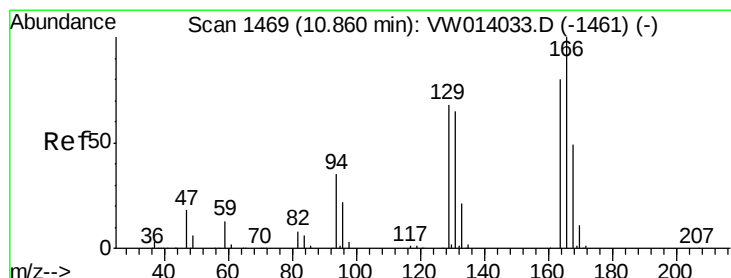
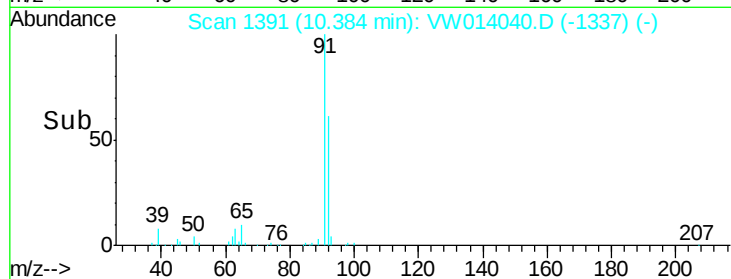
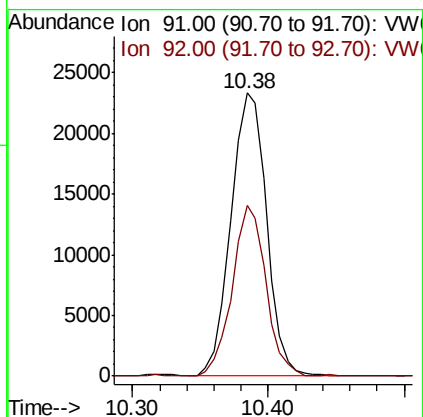
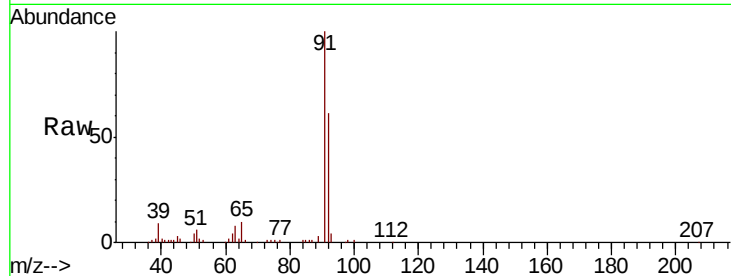
ETOP1

Tot Ion: 91 Resp: 42629

Ion Ratio Lower Upper

91 100

92 60.5 40.7 75.7



#47

Tetrachloroethene

Concen: 460.172 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014040.D

Acq: 15 Nov 2019 14:54

Tgt Ion: 164 Resp: 1571857

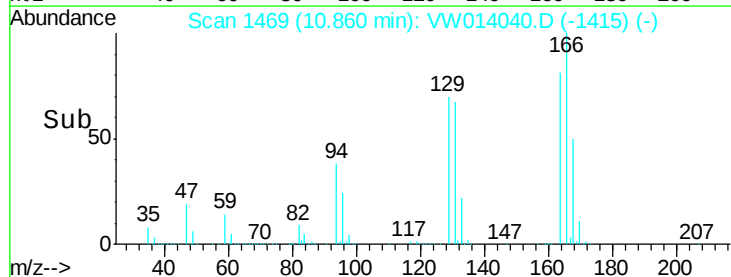
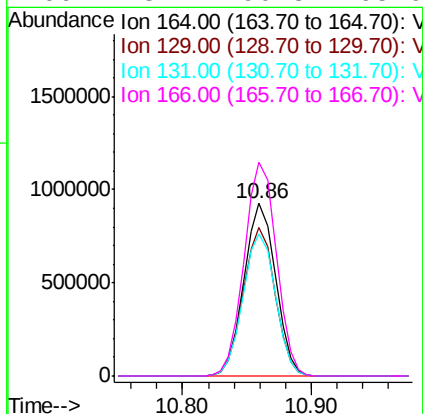
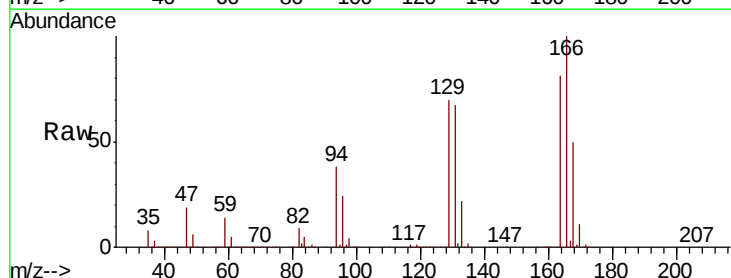
Ion Ratio Lower Upper

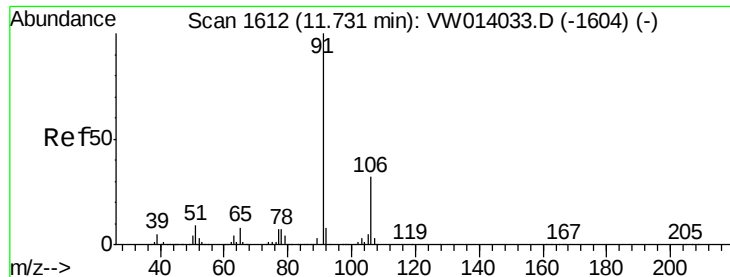
164 100

129 86.2 60.6 112.6

131 82.4 59.1 109.7

166 123.7 90.8 168.6

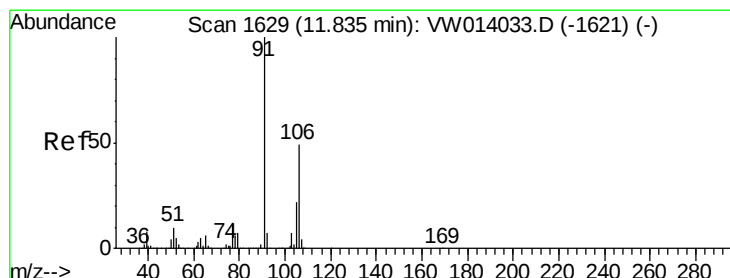
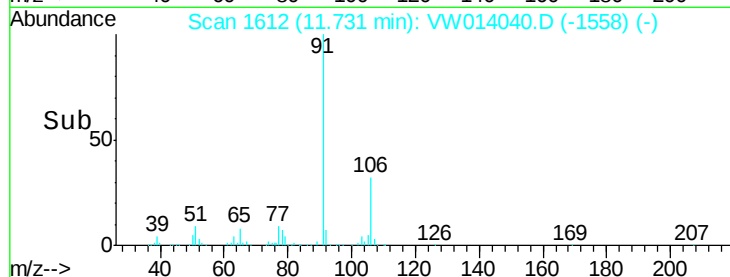
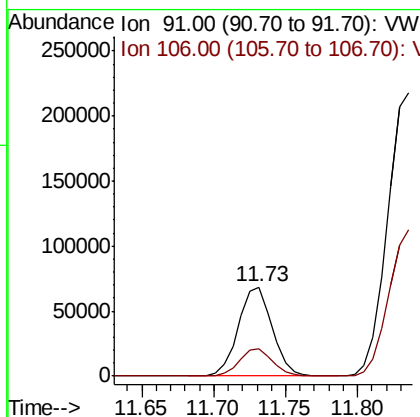
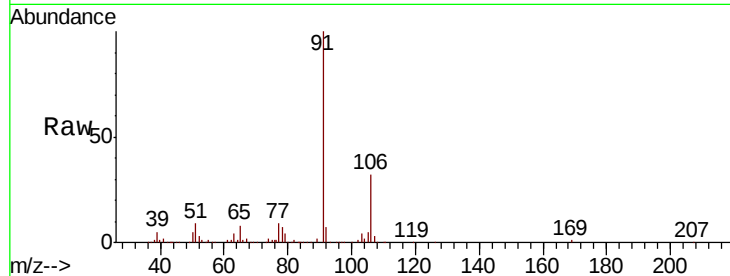




#53
Ethylbenzene
Concen: 6.473 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014040.D
Acq: 15 Nov 2019 14:54

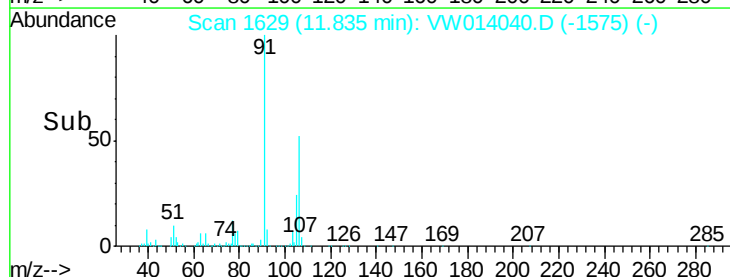
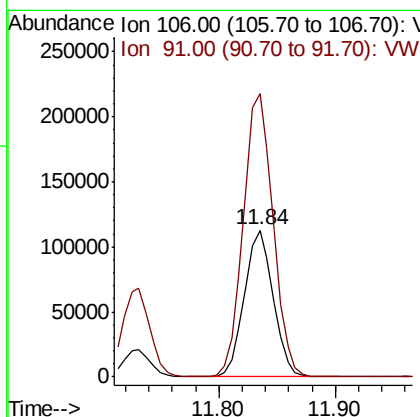
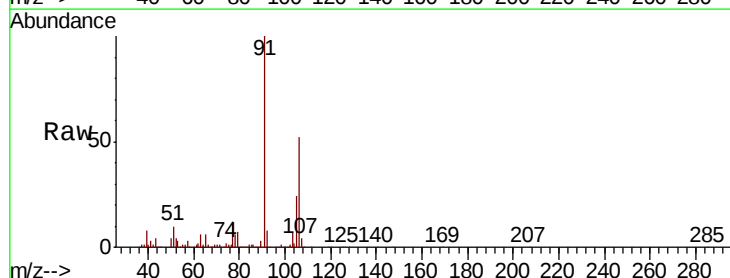
Instrument :
MSVOA_W
ClientSampled :
ETOP1

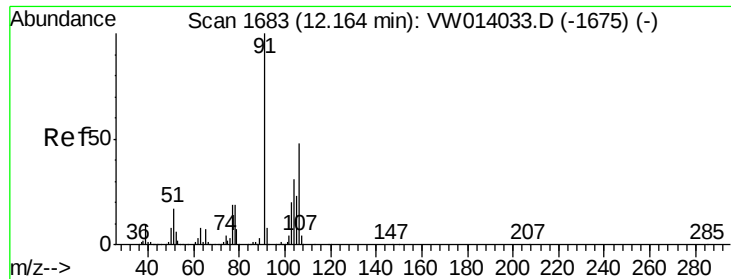
Tot Ion: 91 Resp: 111257
Ion Ratio Lower Upper
91 100
106 31.5 22.3 41.5



#54
m,p-Xylene
Concen: 29.291 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014040.D
Acq: 15 Nov 2019 14:54

Tgt Ion: 106 Resp: 195657
Ion Ratio Lower Upper
106 100
91 193.1 138.7 257.5





#55
 o-xylene
 Concen: 16.379 ug/L
 RT: 12.16 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VW014040.D
 Acq: 15 Nov 2019 14:54

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOP1

Tot Ion:106 Resp: 102450
 Ion Ratio Lower Upper
 106 100
 91 201.8 148.3 275.5

