

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009776.D
 Acq On : 06 Apr 2019 16:51
 Operator : SY/VA
 Sample : K2277-21
 Misc : 5.88G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF2R5

Quant Time: Apr 07 04:01:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 03:56:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	513670	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	470834	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	186355	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	181160	26.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.80%
7) Chloroethane-d5	2.89	69	167158	27.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.56%
10) 1,1-Dichloroethene-d2	4.01	63	310303	21.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.88%
20) 2-Butanone-d5	7.07	46	115667	53.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.00%
24) Chloroform-d	7.64	84	408672	29.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	116.64%
26) 1,2-Dichloroethane-d4	8.52	65	51	0.01	ug/L	0.21
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
29) Benzene-d6	8.27	84	770731	31.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	124.72%
33) 1,2-Dichloropropane-d6	9.27	67	238695	31.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	125.08%#
37) Toluene-d8	10.32	98	683944	29.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	119.72%
38) trans-1,3-Dichloropropene-	10.57	79	97150	26.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.72%
39) 2-Hexanone-d5	10.93	63	83325	57.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	186045	26.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	186551	28.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.12%

Target Compounds

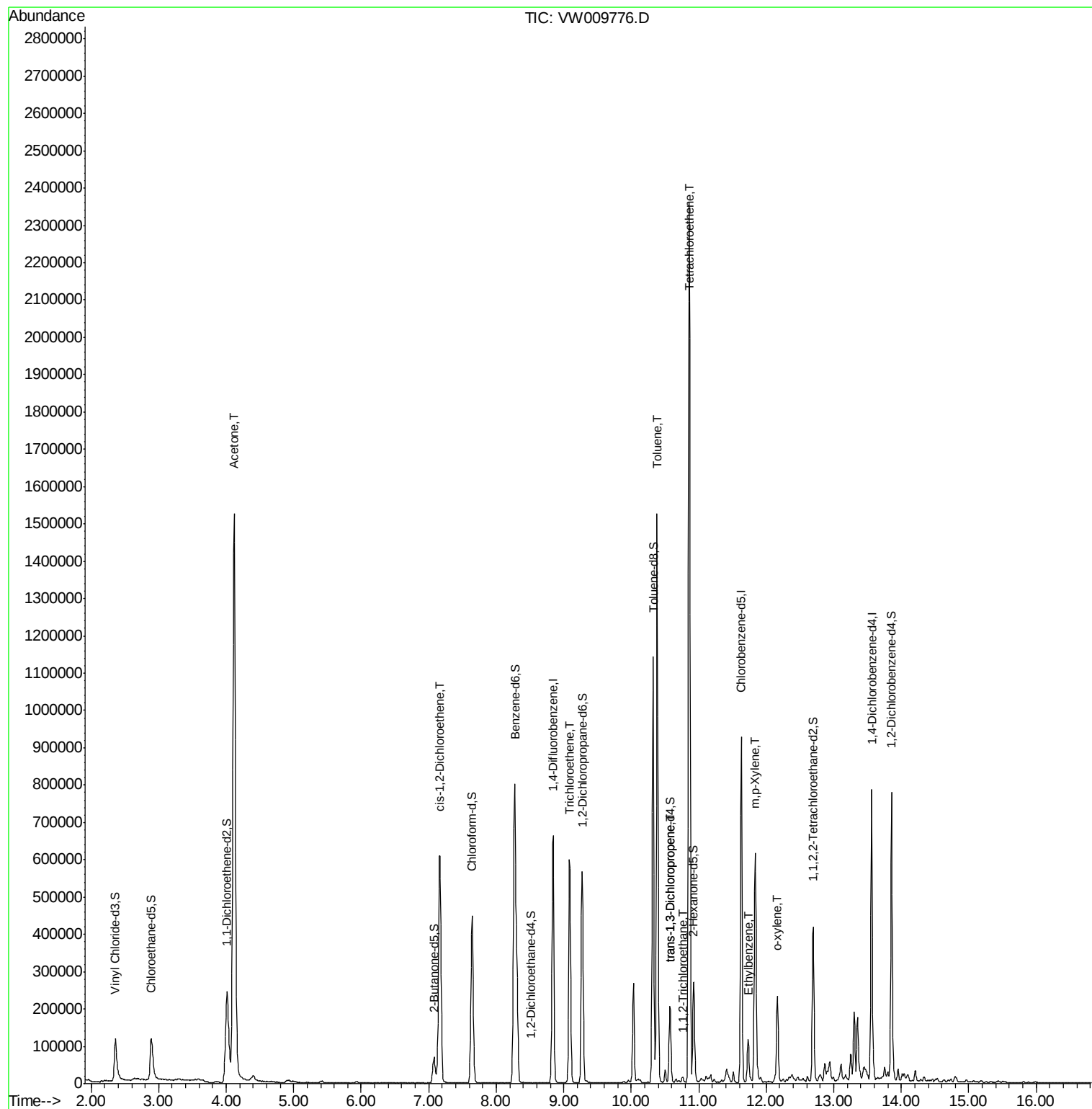
					Qvalue
13) Acetone	4.12	43	2657982	1136.674	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	327372	43.139	ug/L 99
35) Trichloroethene	9.09	95	189344	25.540	ug/L 99
44) Toluene	10.38	91	1038477	34.606	ug/L 99
45) trans-1,3-Dichloropropene	10.58	75	5539	0.572	ug/L 87
46) 1,1,2-Trichloroethane	10.76	97	4671	0.858	ug/L # 24
47) Tetrachloroethene	10.86	164	473430	81.083	ug/L 98
53) Ethylbenzene	11.73	91	76755	2.245	ug/L 97
54) m,p-Xylene	11.84	106	161446	12.769	ug/L 100
55) o-xylene	12.16	106	53499	4.443	ug/L 99

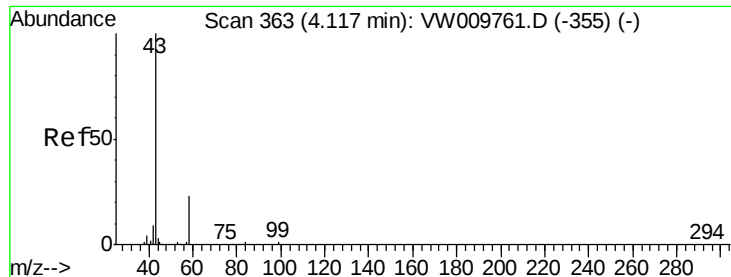
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sun Apr 07 03:56:20 2019
Response via : Initial Calibration





#13

Acetone

Concen: 1136.674 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009776.D

Acq: 06 Apr 2019 16:51

Instrument :

MSVOA_W

ClientSampled :

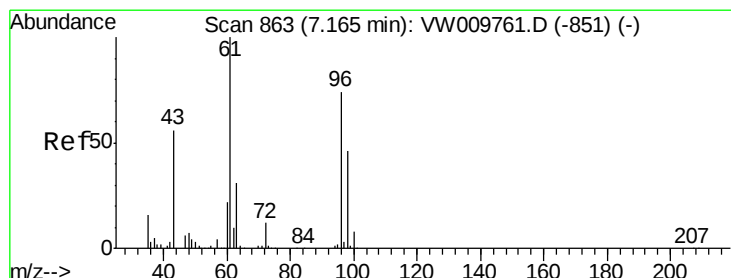
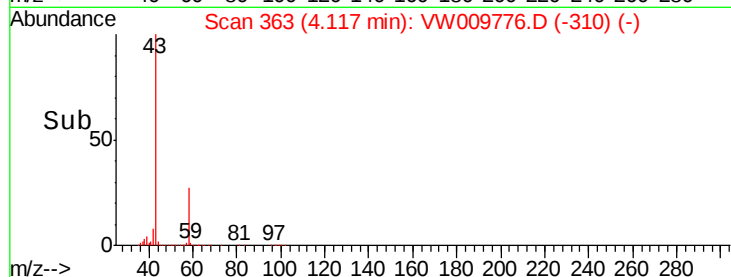
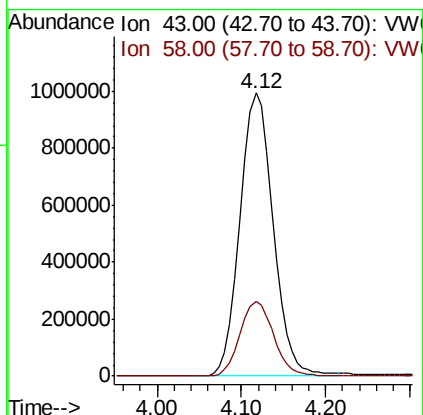
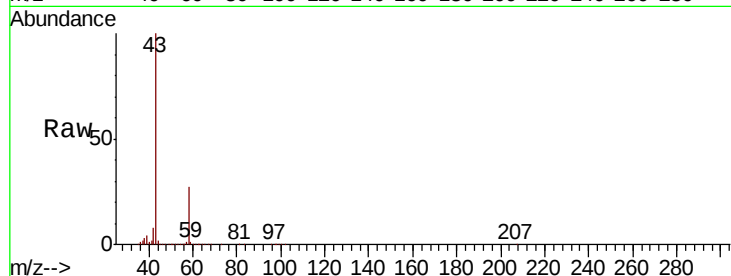
BF2R5

Tgt Ion: 43 Resp: 2657982

Ion Ratio Lower Upper

43 100

58 26.7 0.0 53.0



#22

cis-1,2-Dichloroethene

Concen: 43.139 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW009776.D

Acq: 06 Apr 2019 16:51

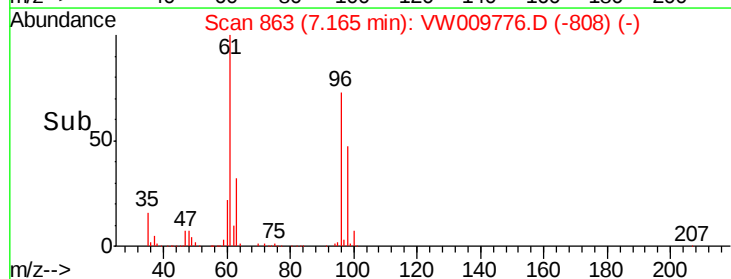
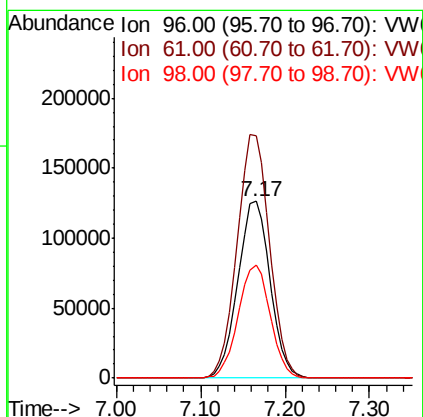
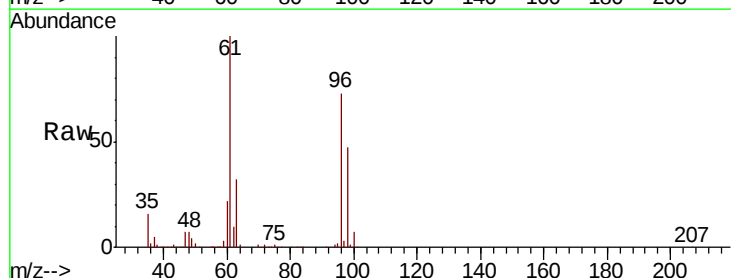
Tgt Ion: 96 Resp: 327372

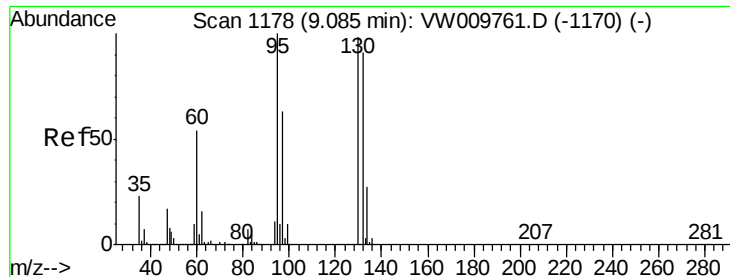
Ion Ratio Lower Upper

96 100

61 137.2 96.8 179.8

98 63.9 43.5 80.9





#35

Trichloroethene

Concen: 25.540 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW009776.D

Acq: 06 Apr 2019 16:51

Instrument :

MSVOA_W

ClientSampled :

BF2R5

Tgt Ion: 95 Resp: 189344

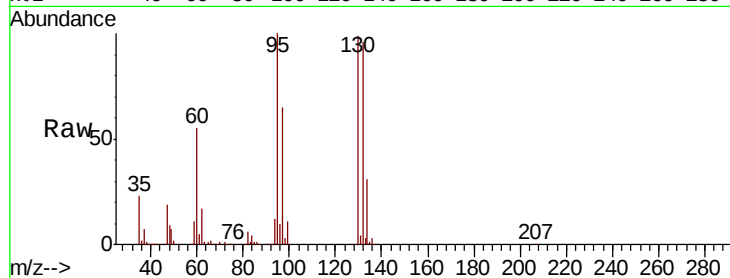
Ion Ratio Lower Upper

95 100

97 64.9 44.9 83.5

132 95.9 67.1 124.7

130 99.6 69.2 128.6

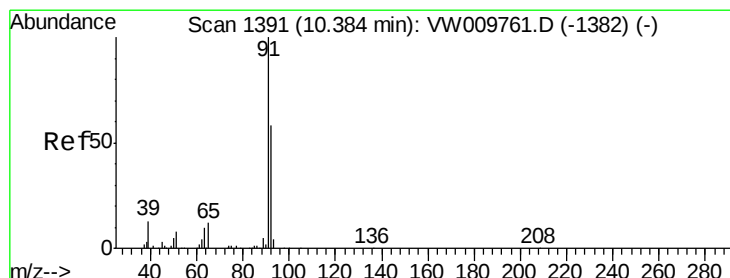
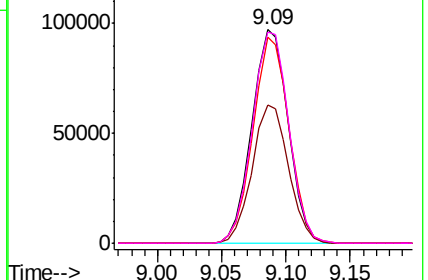
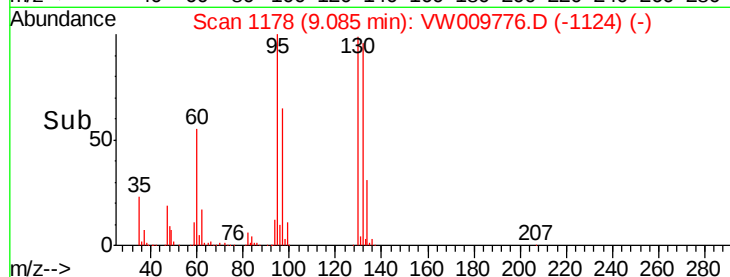


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 34.606 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009776.D

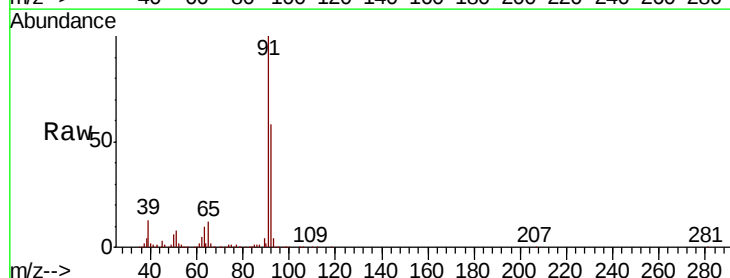
Acq: 06 Apr 2019 16:51

Tgt Ion: 91 Resp: 1038477

Ion Ratio Lower Upper

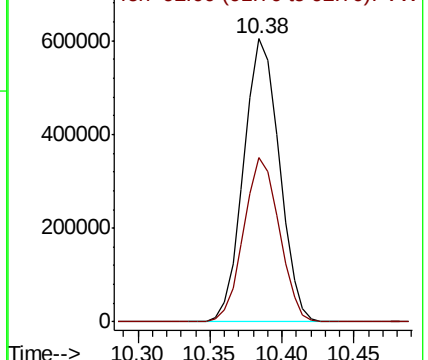
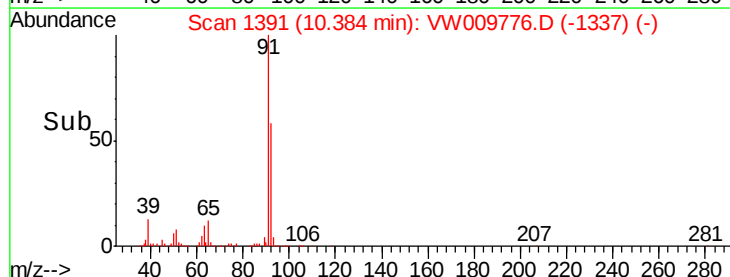
91 100

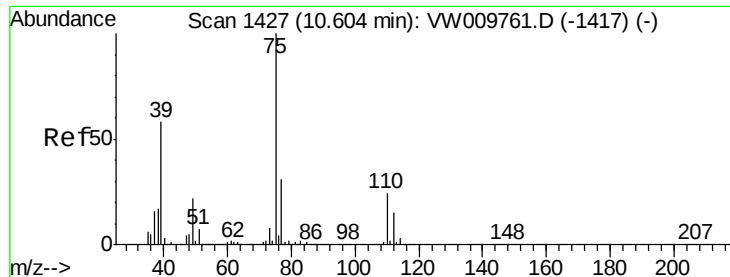
92 58.2 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.572 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009776.D

Acq: 06 Apr 2019 16:51

Instrument :

MSVOA_W

ClientSampleId :

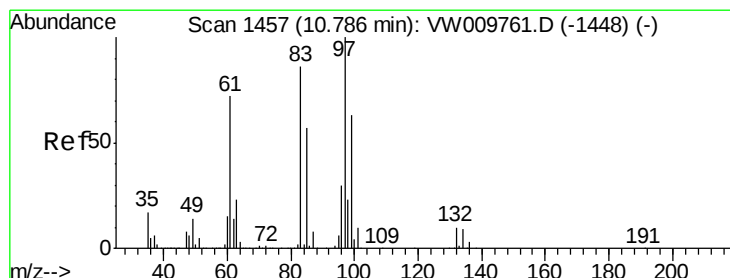
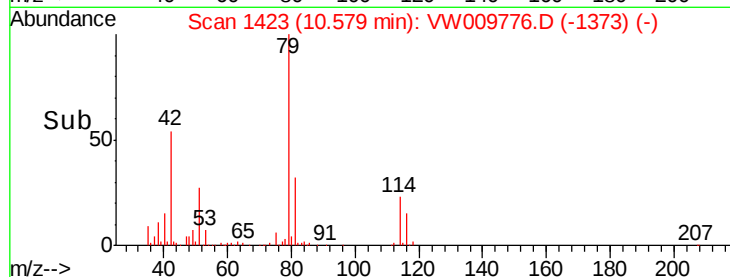
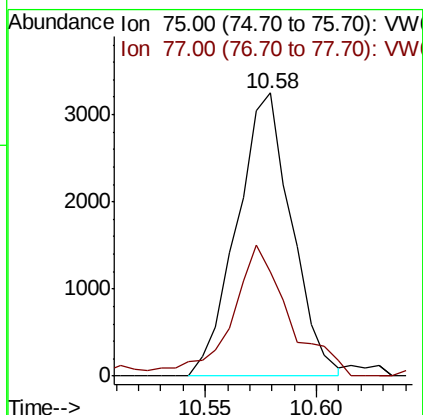
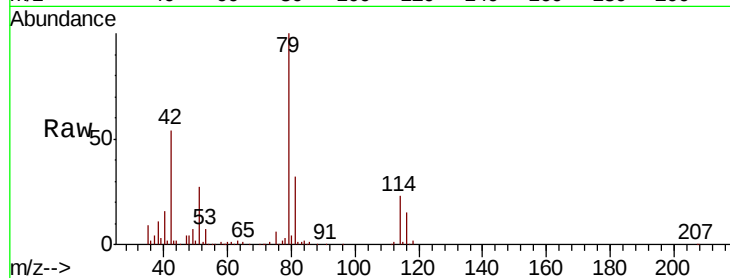
BF2R5

Tgt Ion: 75 Resp: 5539

Ion Ratio Lower Upper

75 100

77 37.0 21.1 39.3



#46

1,1,2-Trichloroethane

Concen: 0.858 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW009776.D

Acq: 06 Apr 2019 16:51

Tgt Ion: 97 Resp: 4671

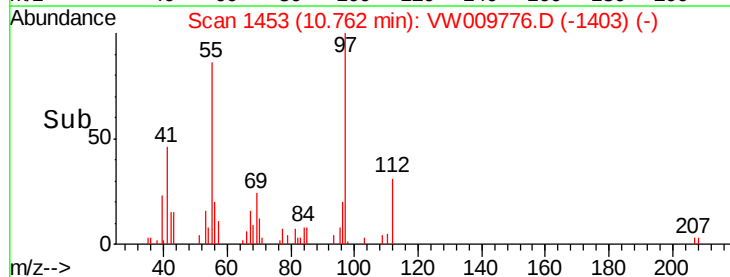
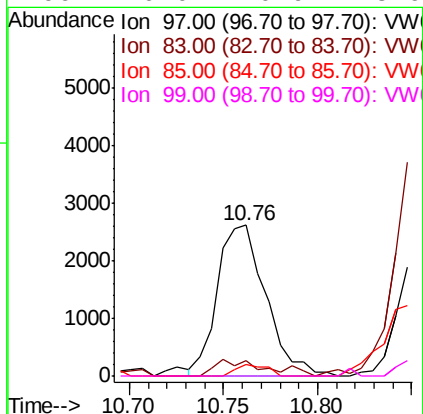
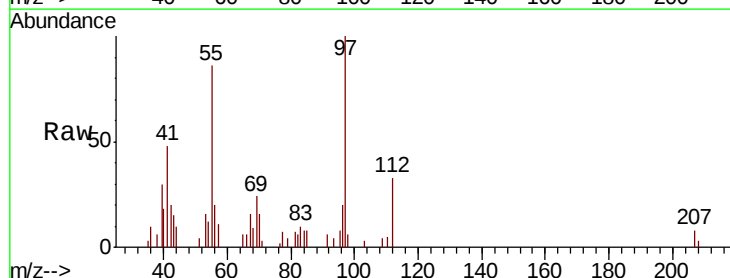
Ion Ratio Lower Upper

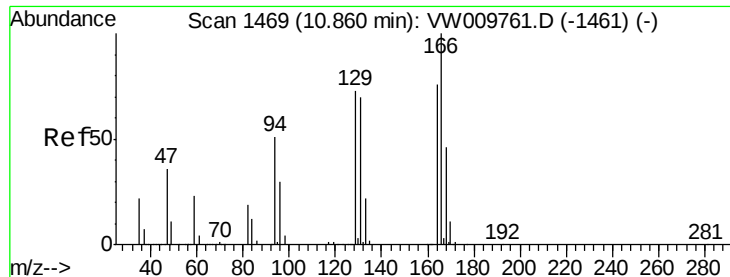
97 100

83 10.0 57.3 106.3#

85 7.5 38.1 70.7#

99 0.0 40.9 75.9#





#47

Tetrachloroethene

Concen: 81.083 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009776.D

Acq: 06 Apr 2019 16:51

Instrument :

MSVOA_W

ClientSampleId :

BF2R5

Tgt Ion:164 Resp: 473430

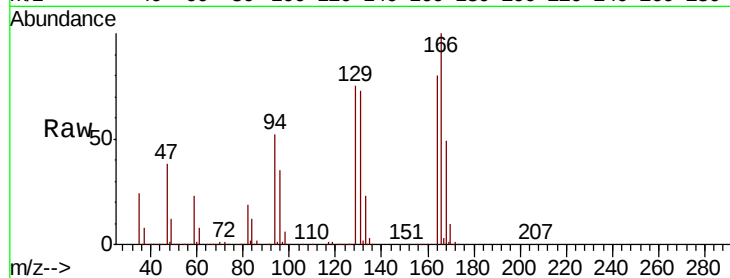
Ion Ratio Lower Upper

164 100

129 94.6 68.9 127.9

131 92.3 63.1 117.1

166 125.8 88.5 164.4

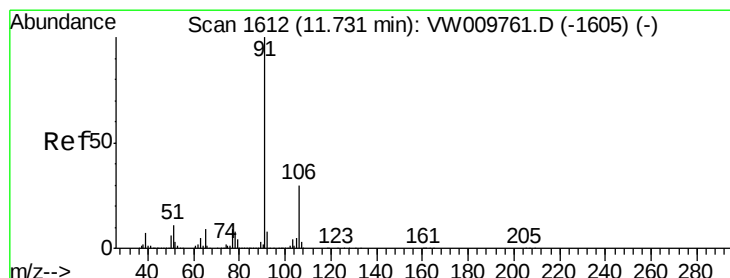
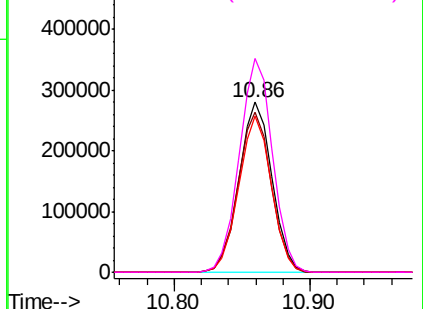
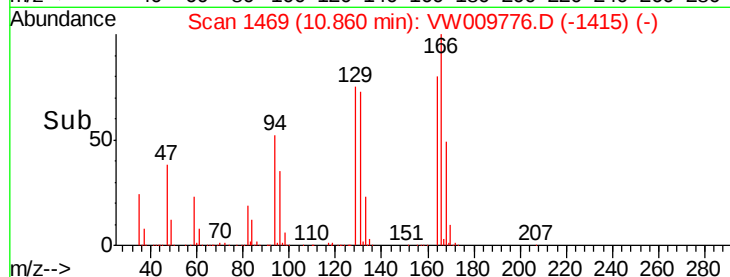


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#53

Ethylbenzene

Concen: 2.245 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009776.D

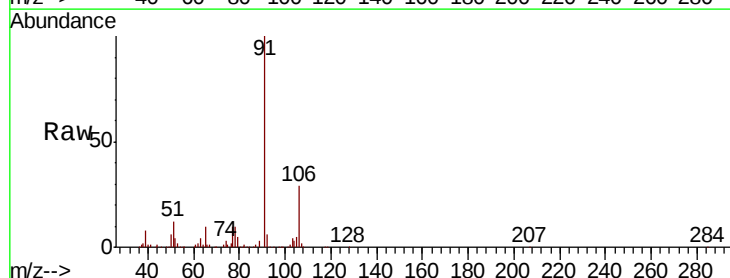
Acq: 06 Apr 2019 16:51

Tgt Ion: 91 Resp: 76755

Ion Ratio Lower Upper

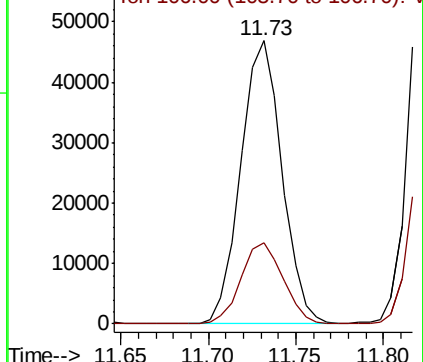
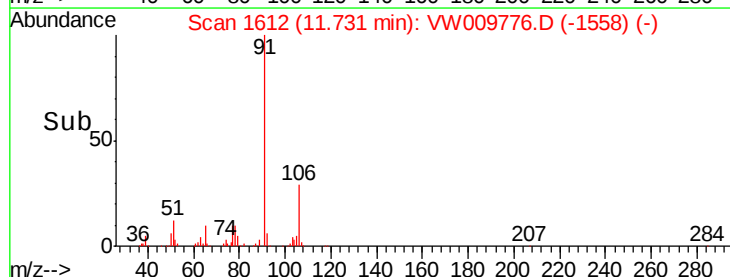
91 100

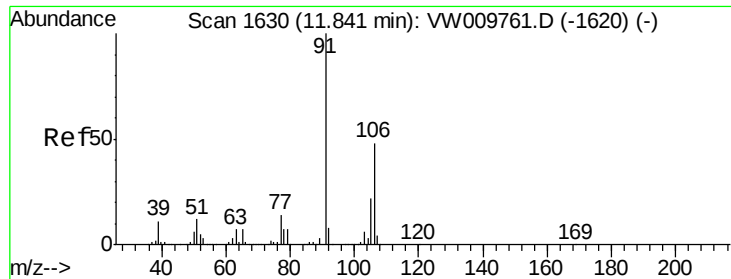
106 28.9 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 12.769 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW009776.D

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MSVOA_W

ClientSampleId :

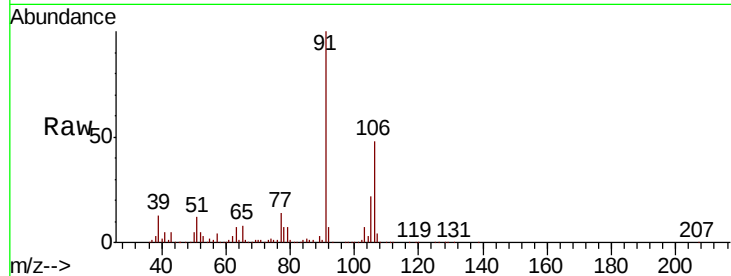
BF2R5

Tgt Ion:106 Resp: 161446

Ion Ratio Lower Upper

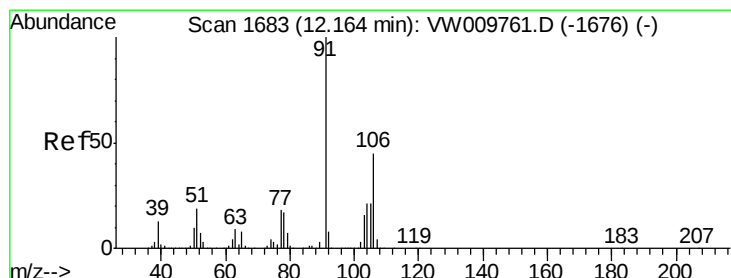
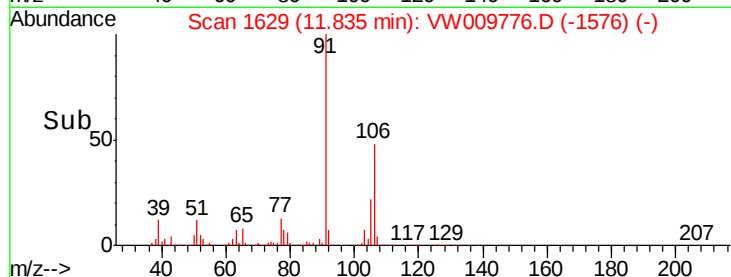
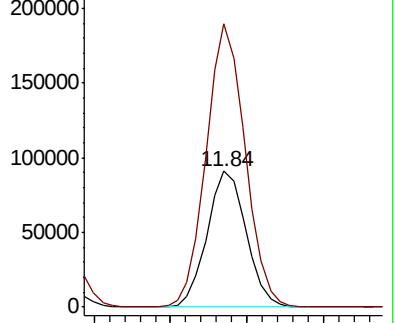
106 100

91 208.1 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 4.443 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW009776.D

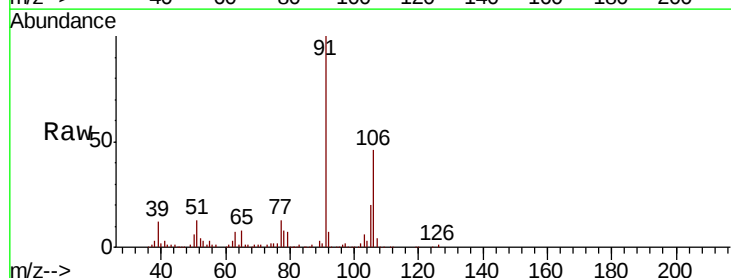
Acq: 06 Apr 2019 16:51

Tgt Ion:106 Resp: 53499

Ion Ratio Lower Upper

106 100

91 218.8 153.9 285.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

