

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031619\
 Data File : VV009715.D
 Acq On : 16 Mar 2019 03:41
 Operator : SY/MD
 Sample : K1936-02
 Misc : 5.62g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0T9

Quant Time: Mar 16 05:36:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 16 02:32:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	179851	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	186475	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	98212	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34624	32.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.06%
7) Chloroethane-d5	1.55	69	22430	20.25	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	40.50%#
11) 1,1-Dichloroethene-d2	2.10	63	81980	29.19	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.38%#
21) 2-Butanone-d5	3.95	46	65909	83.79	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.79%
24) Chloroform-d	4.40	84	90379	38.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.74%
26) 1,2-Dichloroethane-d4	5.08	65	64765	42.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.20%
32) Benzene-d6	5.09	84	193447	39.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.80%
36) 1,2-Dichloropropane-d6	6.12	67	59508	41.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.08%
41) Toluene-d8	7.36	98	190154	40.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.50%
43) trans-1,3-Dichloropropene-	7.67	79	27828	37.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.32%
47) 2-Hexanone-d5	8.14	63	56406	88.95	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.95%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	104577	44.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	88026	42.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.98%

Target Compounds

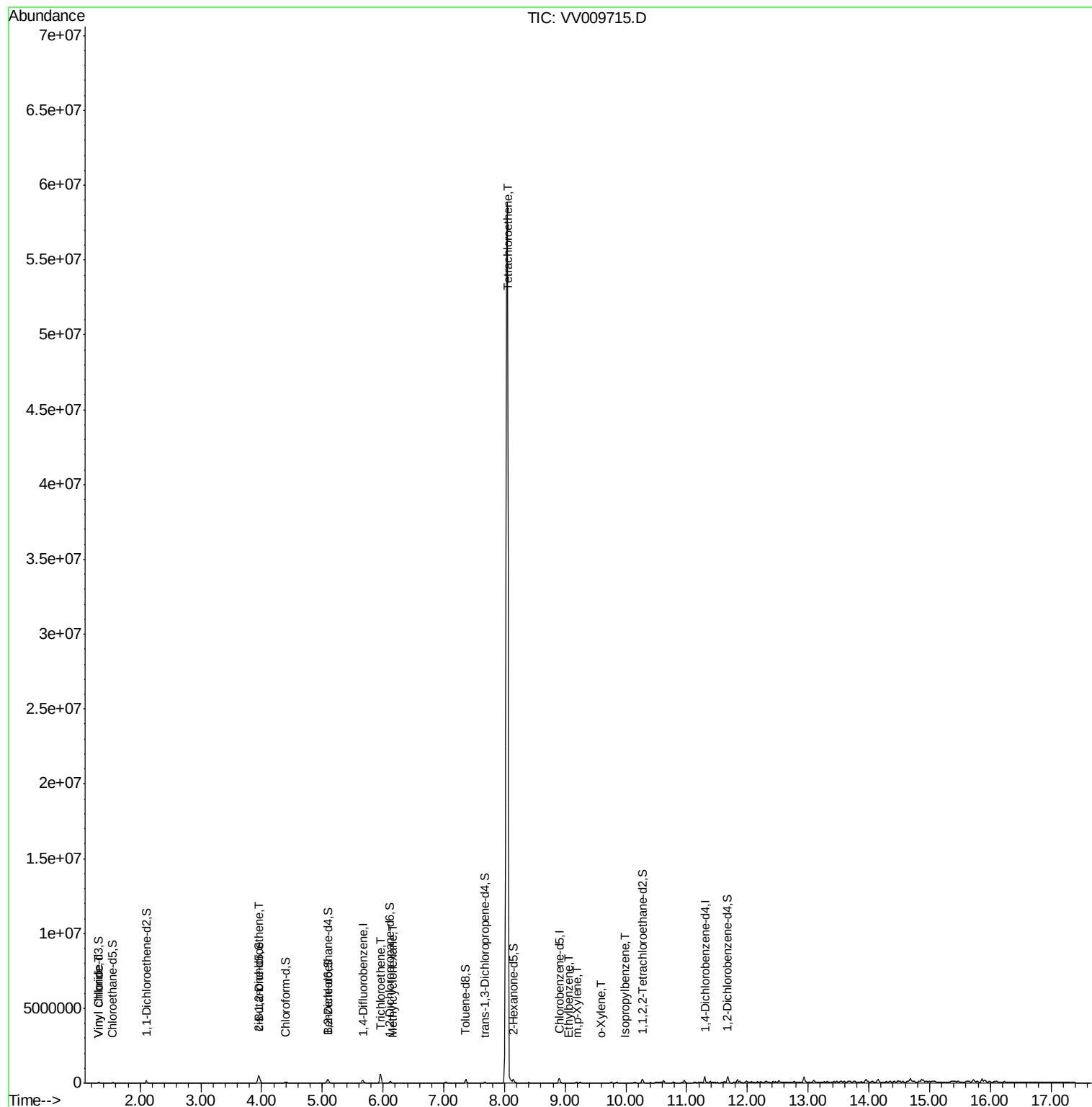
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	8330	7.191	ug/L	84
20) cis-1,2-Dichloroethene	3.96	96	268650	217.395	ug/L	95
34) Trichloroethene	5.96	95	212191	169.872	ug/L	99
35) Methylcyclohexane	6.17	83	5112	2.530	ug/L	94
46) Tetrachloroethene	8.05	164	19541072	19898.304	ug/L	86
52) Ethylbenzene	9.06	91	9850	1.630	ug/L	96
53) m,p-Xylene	9.18	106	9333	4.031	ug/L	96
54) o-Xylene	9.59	106	4226	1.808	ug/L	85
56) Isopropylbenzene	9.98	105	10223	1.680	ug/L #	96

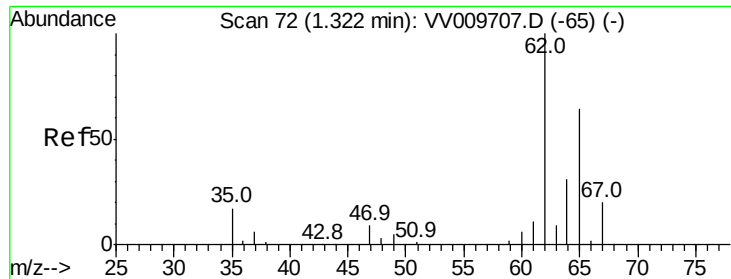
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Mar 16 02:32:06 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.191 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009715.D

Acq: 16 Mar 2019 03:41

Instrument :

MSVOA_V

ClientSampled :

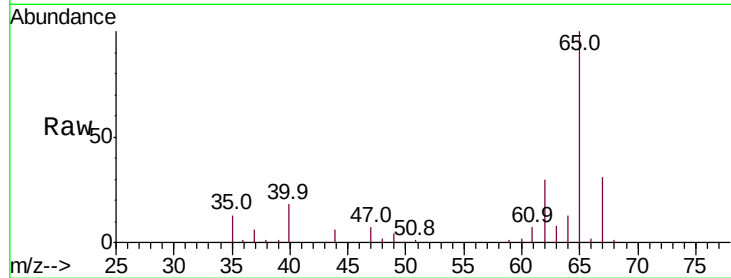
BF0T9

Tot Ion: 62 Resp: 8330

Ion Ratio Lower Upper

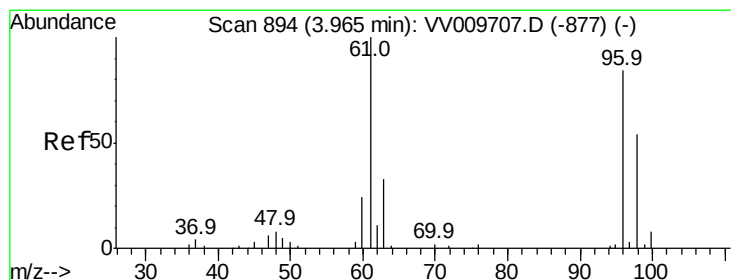
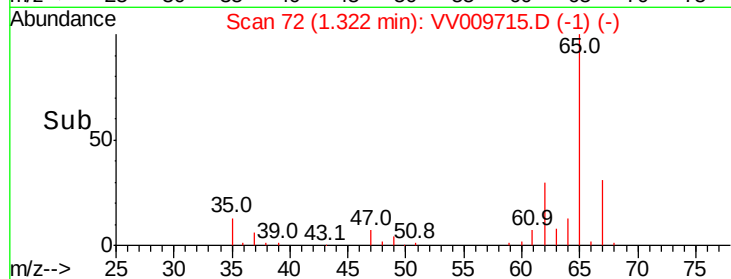
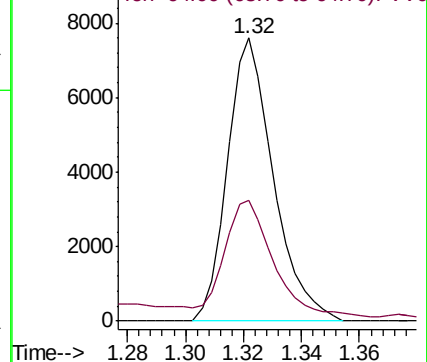
62 100

64 42.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 217.395 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.01 min

Lab File: VV009715.D

Acq: 16 Mar 2019 03:41

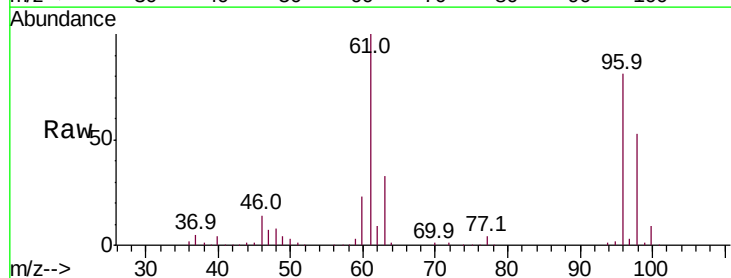
Tgt Ion: 96 Resp: 268650

Ion Ratio Lower Upper

96 100

61 123.5 82.4 153.0

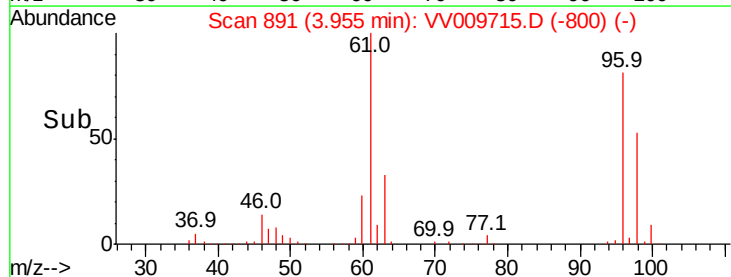
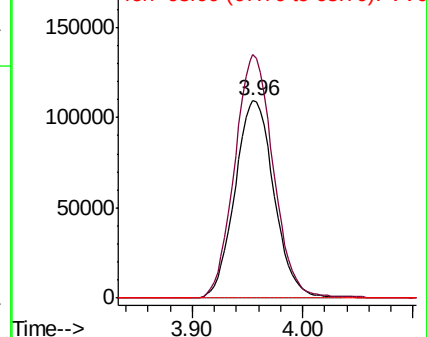
68 0.0 0.0 0.0

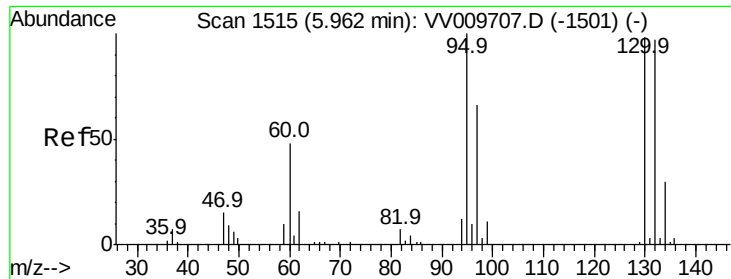


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#34

Trichloroethene

Concen: 169.872 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009715.D

Acq: 16 Mar 2019 03:41

Instrument :

MSVOA_V

ClientSampleId :

BF0T9

Tot Ion: 95 Resp: 212191

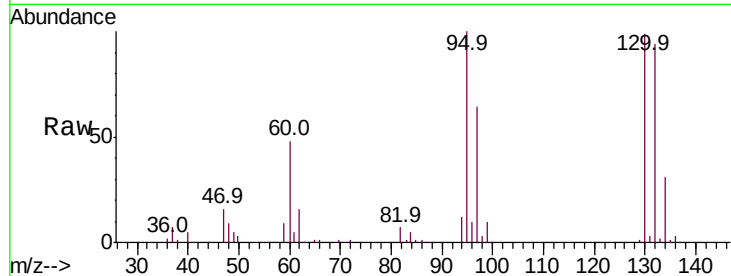
Ion Ratio Lower Upper

95 100

97 64.1 44.2 82.2

132 94.3 66.5 123.5

130 99.2 67.8 125.8

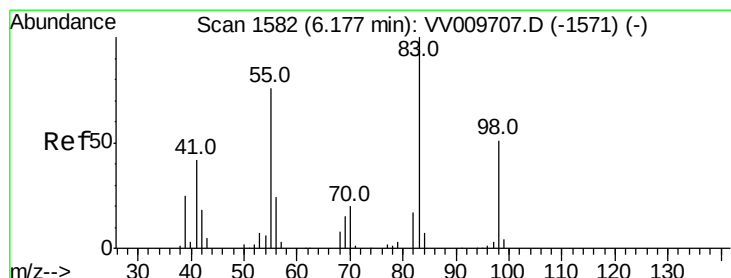
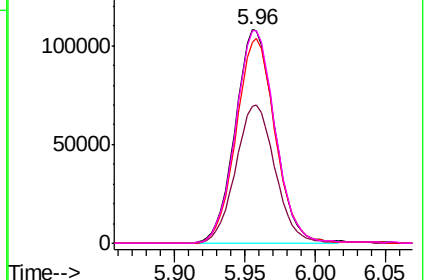
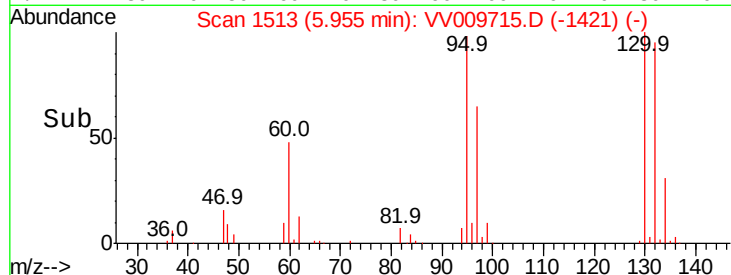


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 2.530 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. -0.01 min

Lab File: VV009715.D

Acq: 16 Mar 2019 03:41

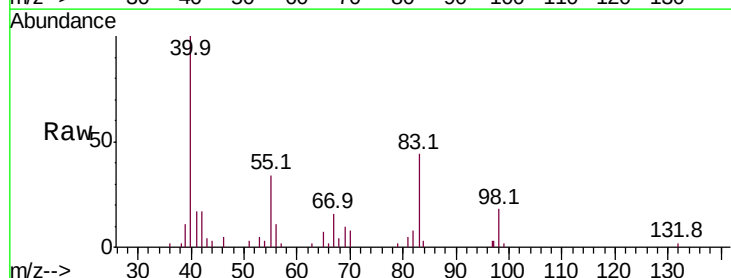
Tgt Ion: 83 Resp: 5112

Ion Ratio Lower Upper

83 100

55 80.9 57.9 86.9

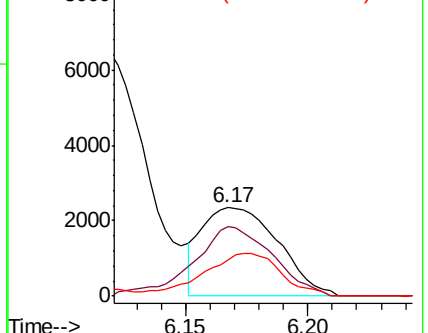
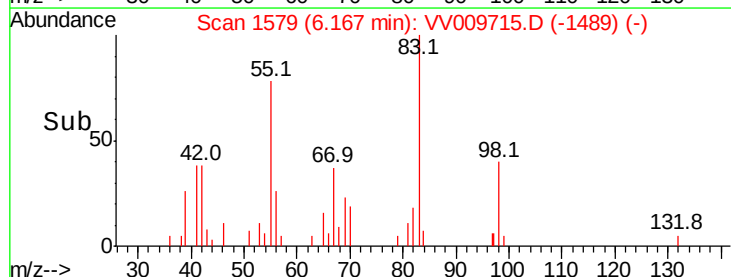
98 49.3 39.2 58.8

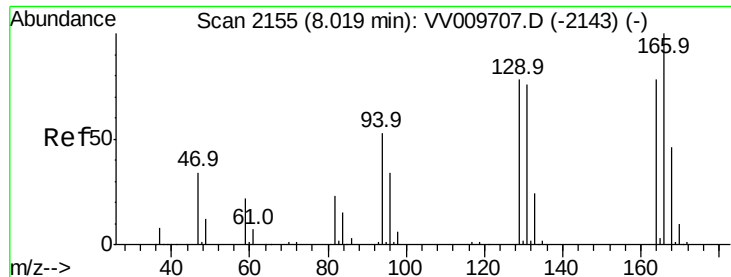


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#46

Tetrachloroethene

Concen: 19898.304 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. 0.03 min

Lab File: VV009715.D

Acq: 16 Mar 2019 03:41

Instrument :

MSVOA_V

ClientSampleId :

BF0T9

Tot Ion:164 Resp:19541072

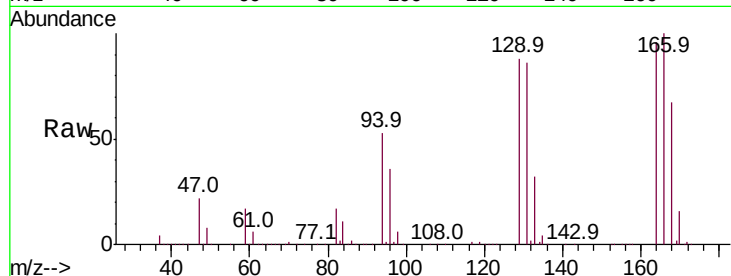
Ion Ratio Lower Upper

164 100

129 91.3 70.8 131.6

131 89.6 68.3 126.9

166 103.8 89.5 166.3

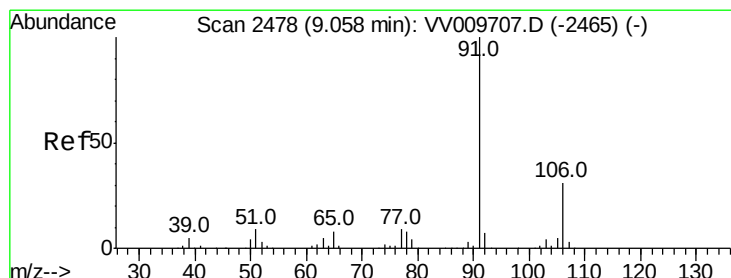
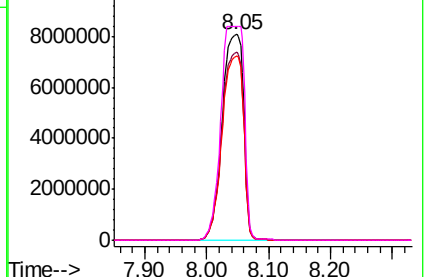
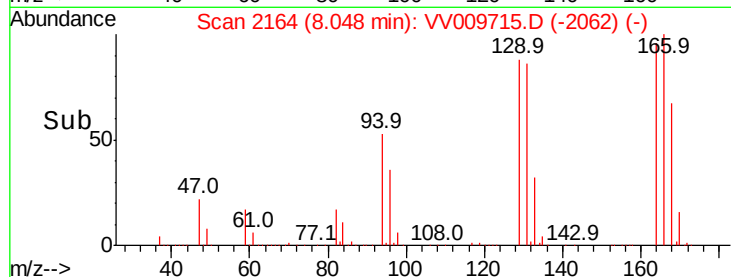


Abundance Ion 164.00 (163.70 to 164.70): V

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



#52

Ethylbenzene

Concen: 1.630 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV009715.D

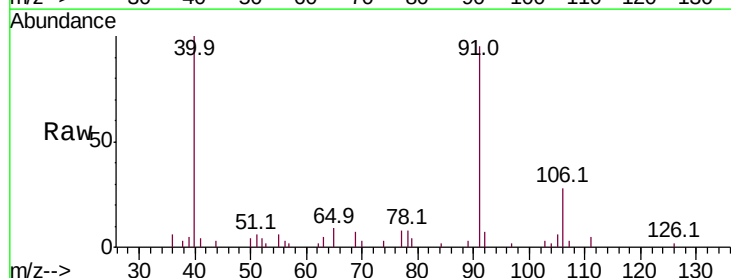
Acq: 16 Mar 2019 03:41

Tgt Ion: 91 Resp: 9850

Ion Ratio Lower Upper

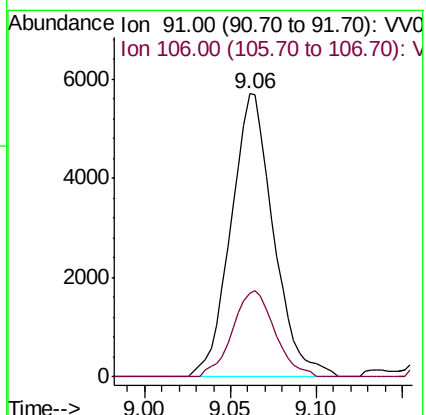
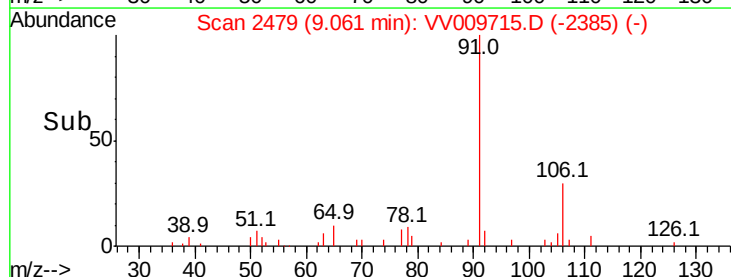
91 100

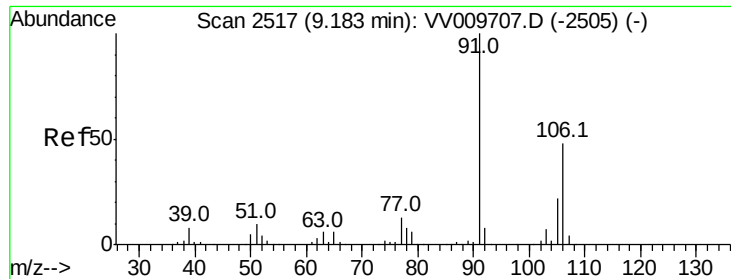
106 29.5 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 4.031 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009715.D

Acq: 16 Mar 2019 03:41

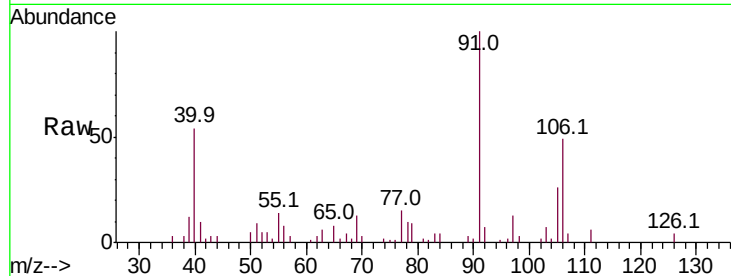
Instrument :
MSVOA_V
ClientSampled :
BF0T9

Tot Ion:106 Resp: 9333

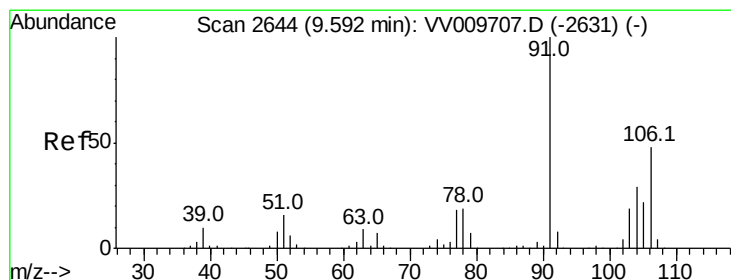
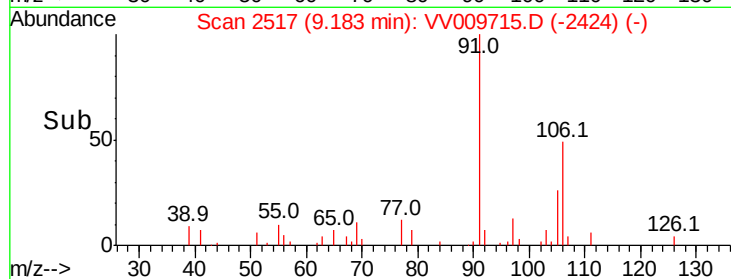
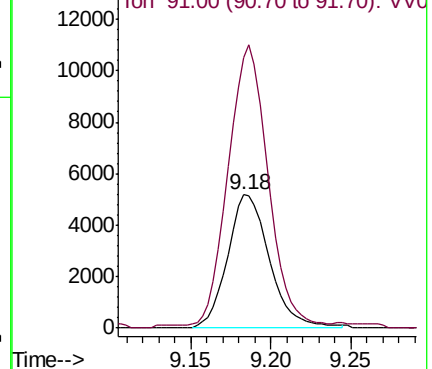
Ion Ratio Lower Upper

106 100

91 203.0 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#54

o-Xylene

Concen: 1.808 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV009715.D

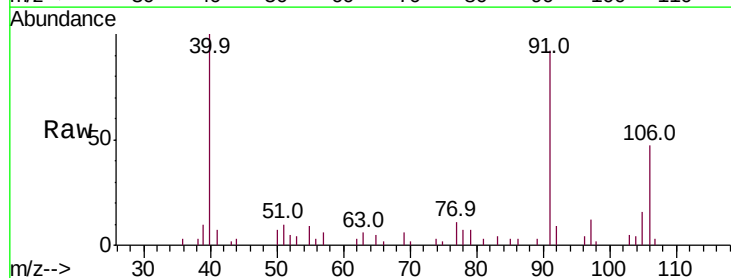
Acq: 16 Mar 2019 03:41

Tgt Ion:106 Resp: 4226

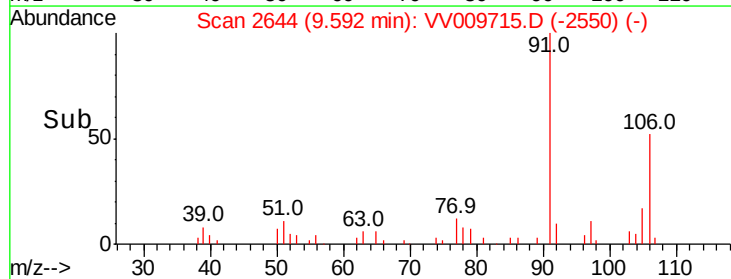
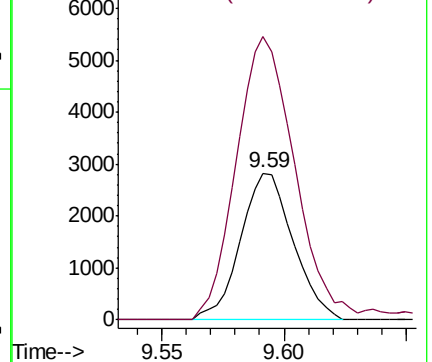
Ion Ratio Lower Upper

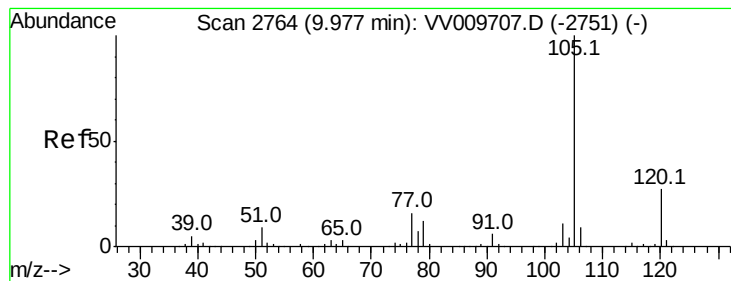
106 100

91 193.3 151.8 282.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 1.680 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009715.D

Acq: 16 Mar 2019 03:41

Instrument :
MSVOA_V
ClientSampleId :
BF0T9

Tot Ion:105 Resp: 10223

Ion Ratio Lower Upper

105 100

120 26.2 21.6 32.4

77 19.7 13.0 19.6#

