

Data File : VV011717.D
Acq On : 22 Jun 2019 05:55
Operator : SY/MD
Sample : K3479-12MSD
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
YAP07MSD

Quant Time: Jun 24 05:50:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 24 05:42:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	154140	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	142792	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	57663	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39565	3.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.40%
7) Chloroethane-d5	1.58	69	34585	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.12	63	86940	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	3.96	46	161809	60.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.08%
24) Chloroform-d	4.40	84	86091	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.08	65	57307	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.10	84	183721	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.12	67	59457	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.36	98	149750	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	7.67	79	16472	3.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.00%
46) 2-Hexanone-d5	8.14	63	123004	61.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	46654	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	53695	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

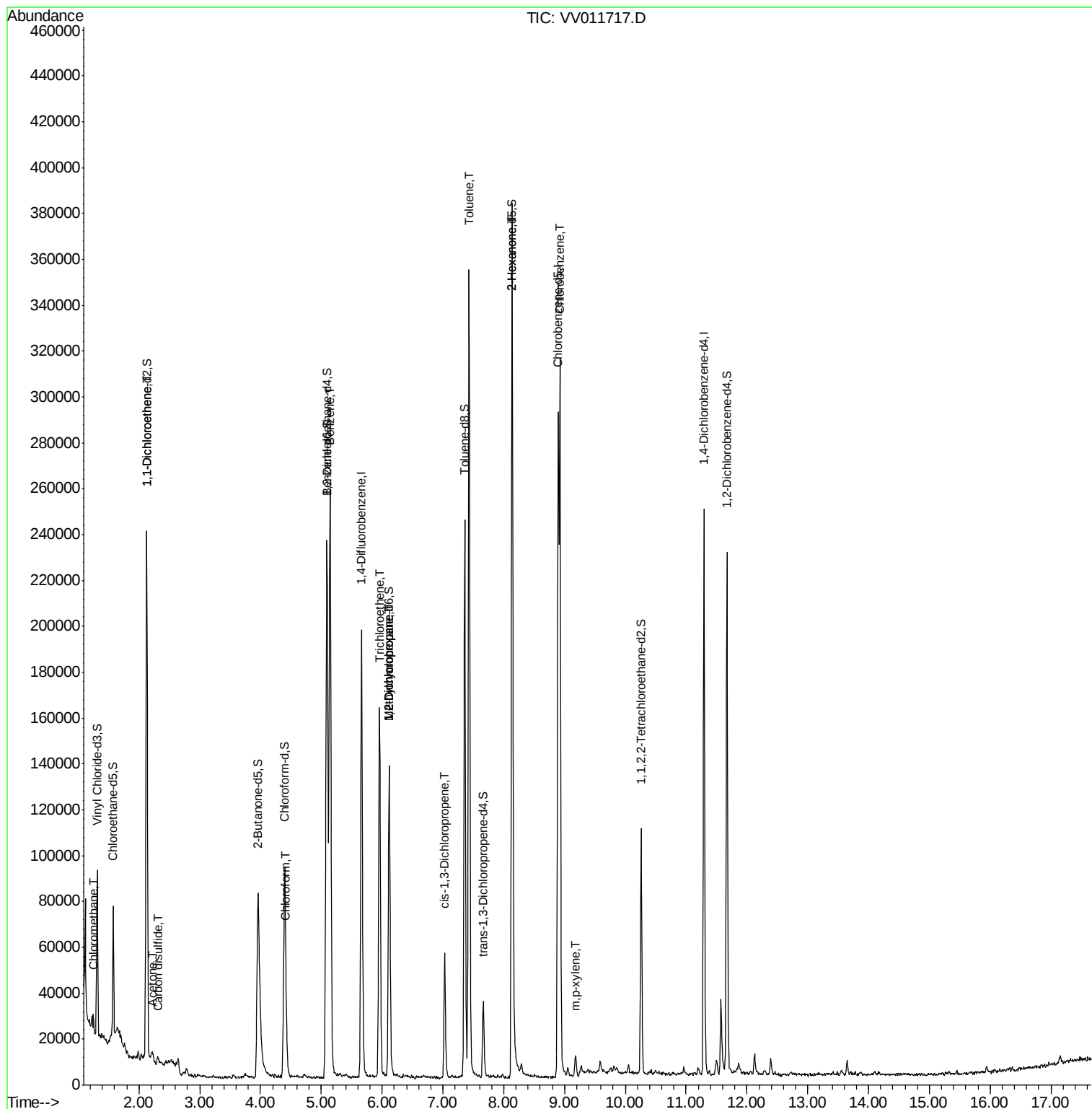
					Qvalue
3) Chloromethane	1.25	50	5665	0.389 ug/L	90
12) 1,1-Dichloroethene	2.13	96	43313	4.540 ug/L	98
13) Acetone	2.22	43	6705	3.444 ug/L	86
14) Carbon disulfide	2.31	76	3845	0.150 ug/L #	92
25) Chloroform	4.43	83	8244	0.337 ug/L	82
33) Benzene	5.14	78	238526	5.039 ug/L	100
34) Trichloroethene	5.96	95	55178	4.395 ug/L	99
35) Methylcyclohexane	6.12	83	15415	0.761 ug/L #	15
37) 1,2-Dichloropropane	6.12	63	7373	0.613 ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1465	0.093 ug/L #	42
42) Toluene	7.43	91	243014	4.913 ug/L	100
48) 2-Hexanone	8.14	43	17286	3.261 ug/L #	73
51) Chlorobenzene	8.92	112	146797	4.786 ug/L	98
53) m,p-xylene	9.18	106	2844	0.142 ug/L	92

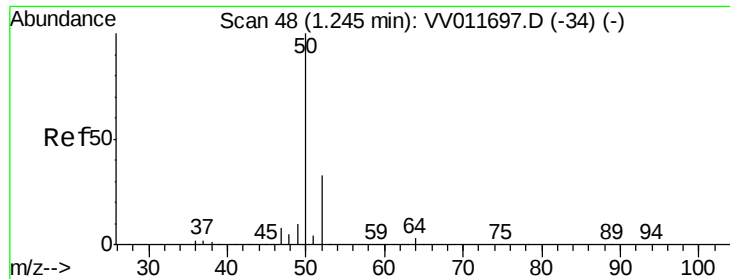
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.389 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.01 min

Lab File: VV011717.D

Acq: 22 Jun 2019 05:55

Instrument :

MSVOA_V

ClientSampleId :

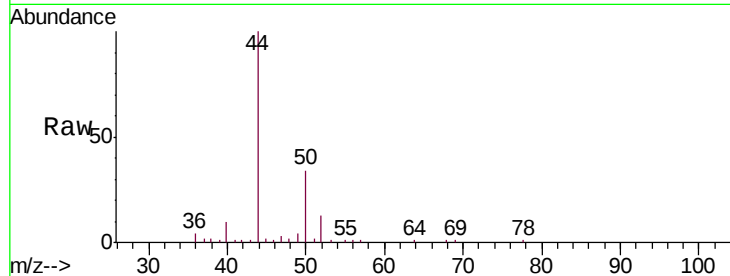
YAP07MSD

Tgt Ion: 50 Resp: 5665

Ion Ratio Lower Upper

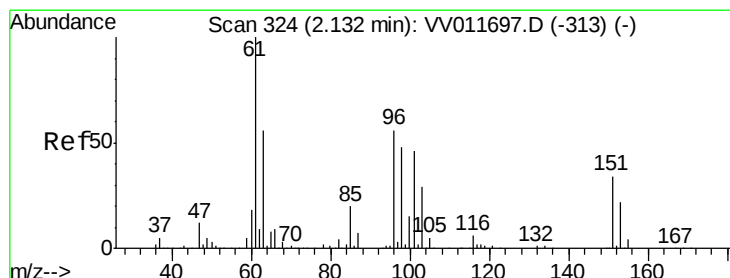
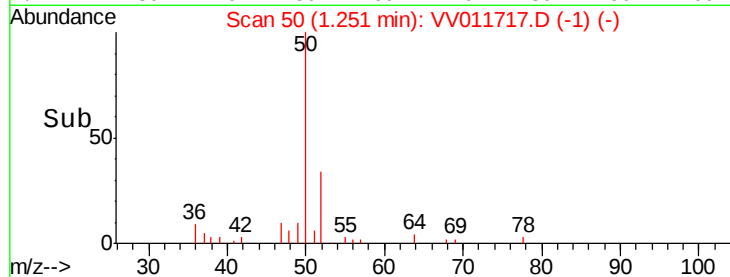
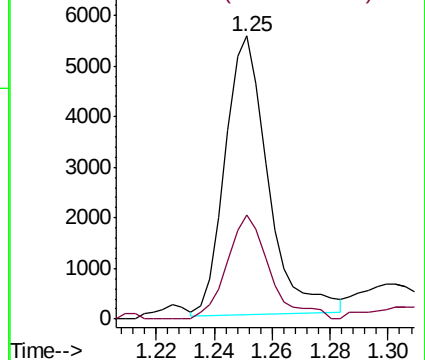
50 100

52 36.7 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#12

1,1-Dichloroethene

Concen: 4.540 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011717.D

Acq: 22 Jun 2019 05:55

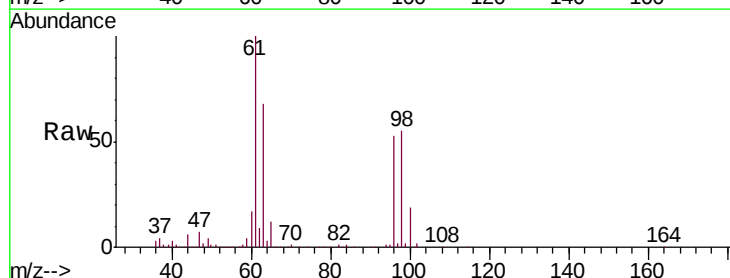
Tgt Ion: 96 Resp: 43313

Ion Ratio Lower Upper

96 100

61 188.8 131.5 244.1

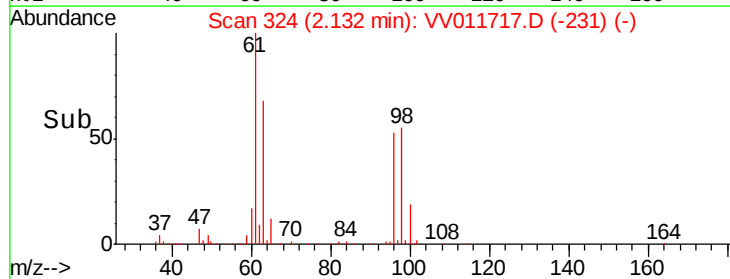
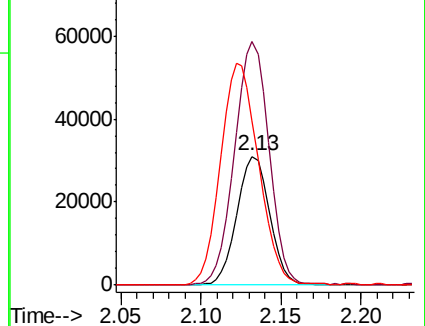
63 127.7 91.8 170.4

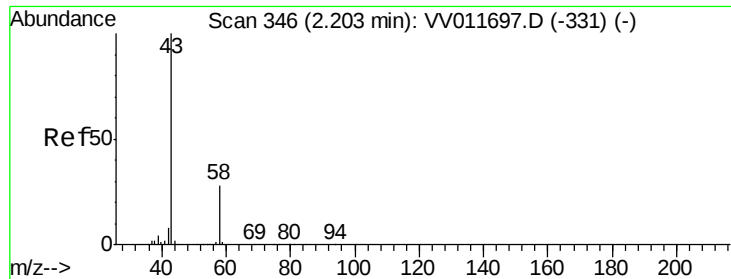


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.444 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

Lab File: VV011717.D

Acq: 22 Jun 2019 05:55

Instrument :

MSVOA_V

ClientSampled :

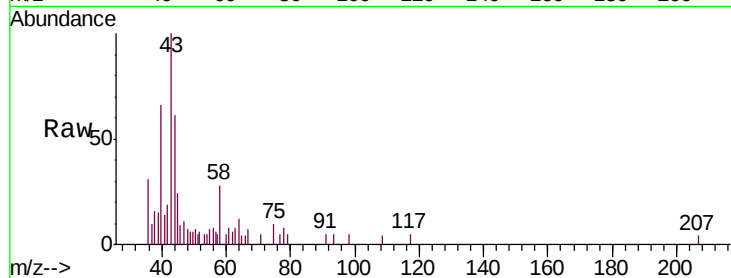
YAP07MSD

Tgt Ion: 43 Resp: 6705

Ion Ratio Lower Upper

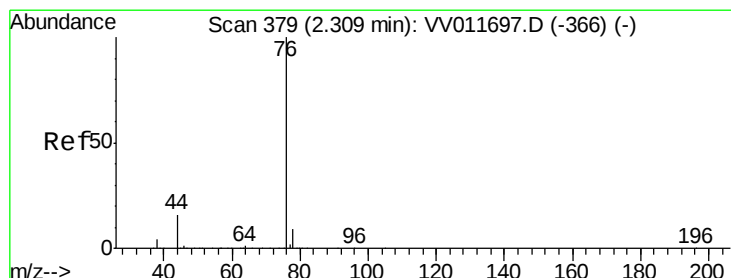
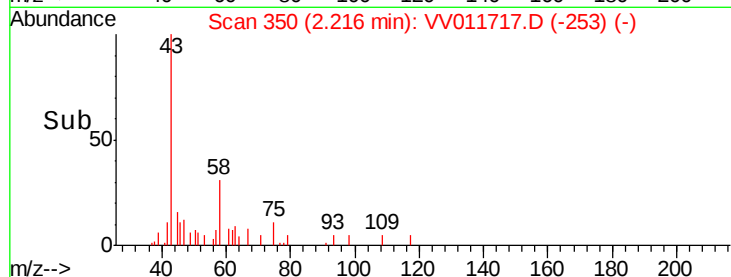
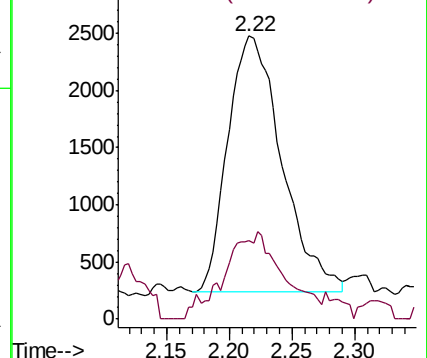
43 100

58 35.9 0.0 56.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.150 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV011717.D

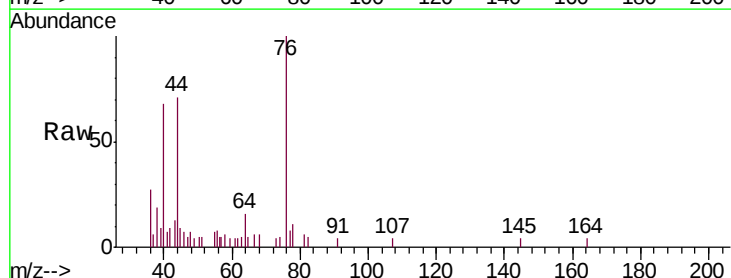
Acq: 22 Jun 2019 05:55

Tgt Ion: 76 Resp: 3845

Ion Ratio Lower Upper

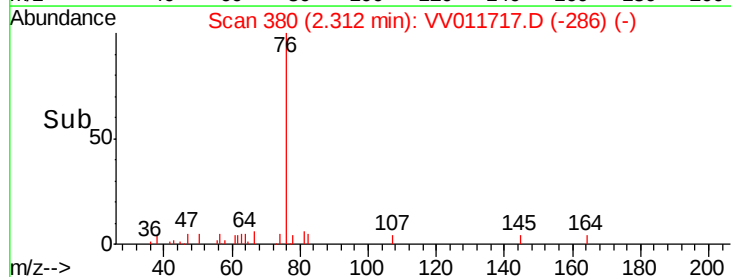
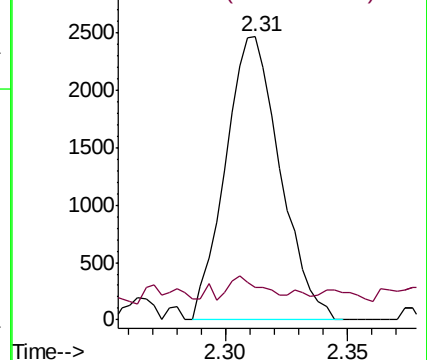
76 100

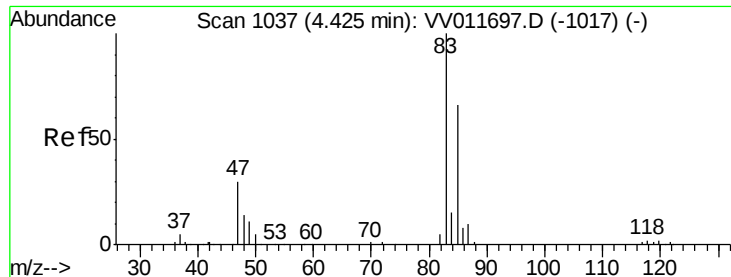
78 11.4 7.0 10.4#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

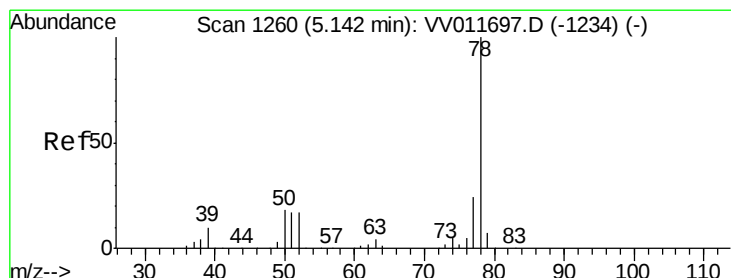
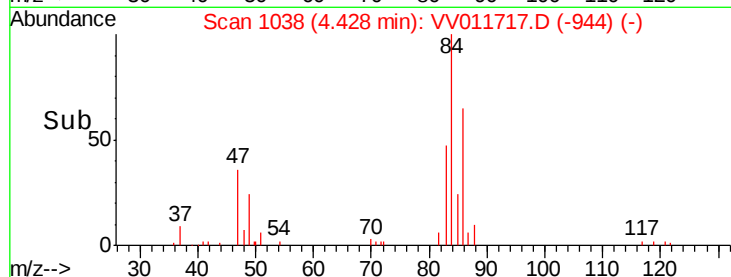
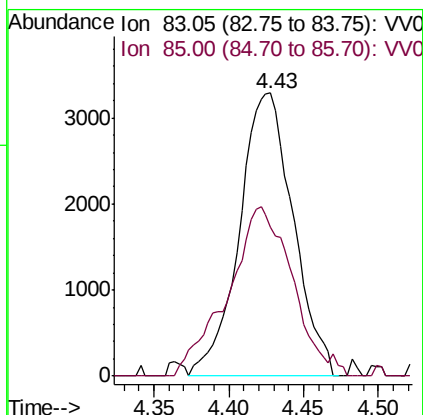
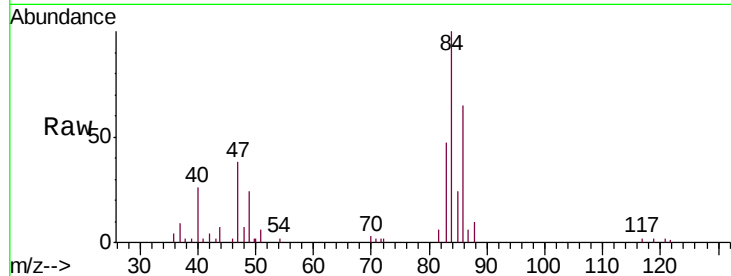




#25
Chloroform
Concen: 0.337 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV011717.D
Acq: 22 Jun 2019 05:55

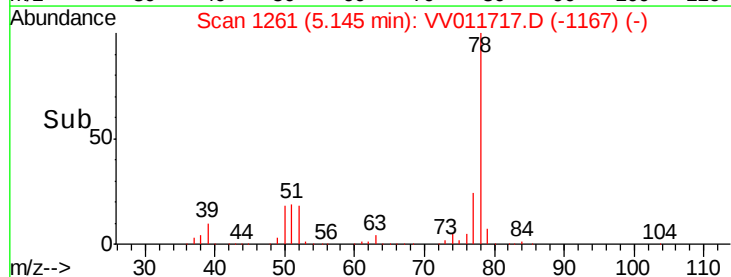
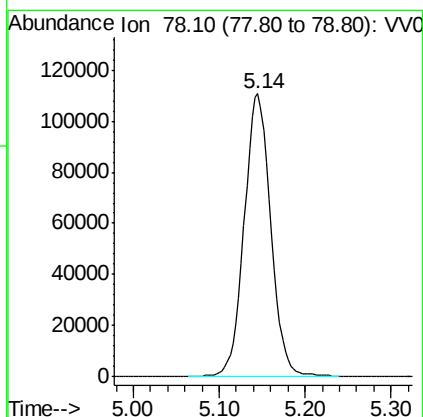
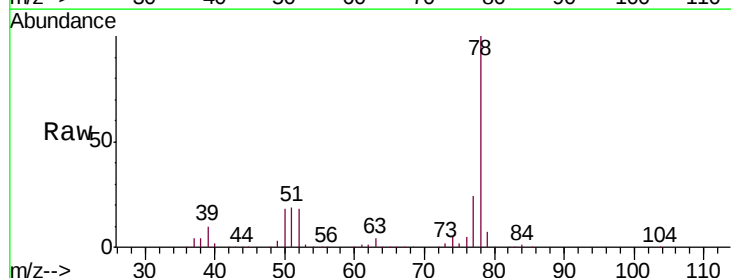
Instrument :
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ClientSampleId :
YAP07MSD

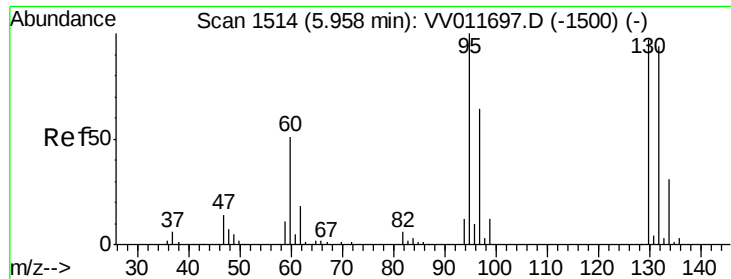
Tgt Ion: 83 Resp: 8244
Ion Ratio Lower Upper
83 100
85 52.6 47.0 87.2



#33
Benzene
Concen: 5.039 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV011717.D
Acq: 22 Jun 2019 05:55

Tgt Ion: 78 Resp: 238526





#34

Trichloroethene

Concen: 4.395 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011717.D

Acq: 22 Jun 2019 05:55

Instrument :

MSVOA_V

ClientSampleId :

YAP07MSD

Tgt Ion: 95 Resp: 55178

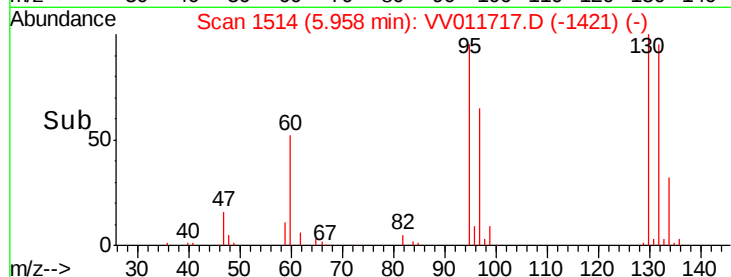
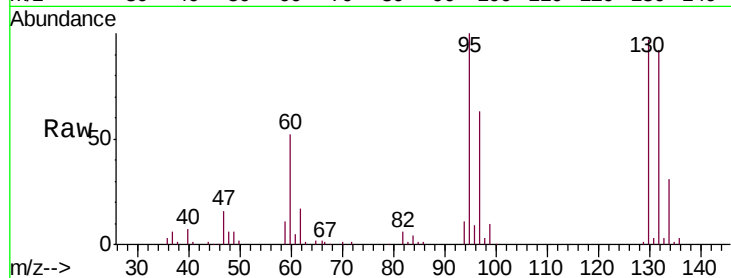
Ion Ratio Lower Upper

95 100

97 62.6 44.4 82.5

132 92.2 65.0 120.6

130 96.7 67.1 124.7

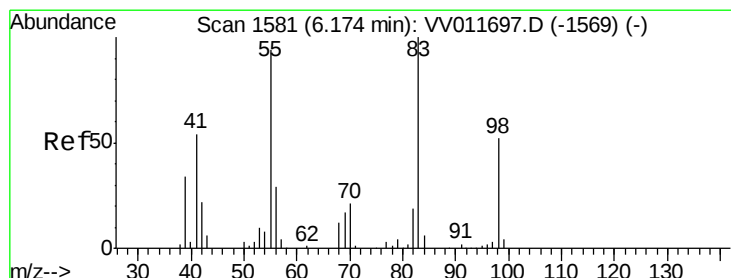
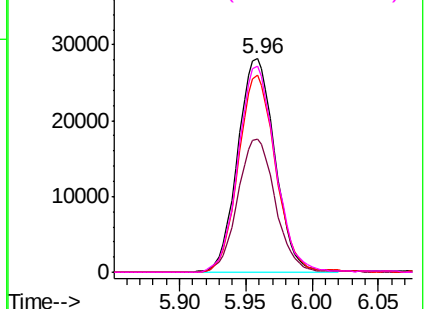


Abundance Ion 95.00 (94.70 to 95.70): VV011717.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV011717.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV011717.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV011717.D (-1421) (-)



#35

Methylcyclohexane

Concen: 0.761 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV011717.D

Acq: 22 Jun 2019 05:55

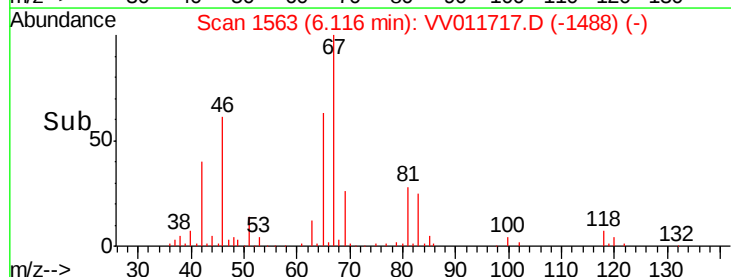
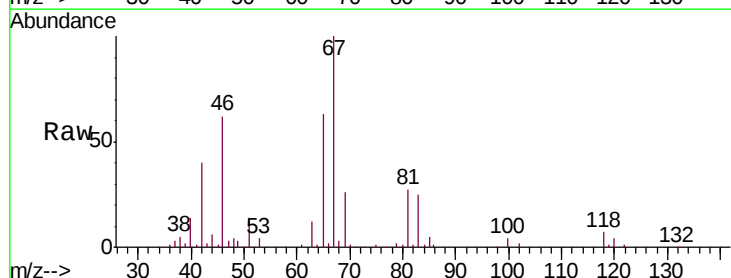
Tgt Ion: 83 Resp: 15415

Ion Ratio Lower Upper

83 100

55 1.4 69.4 104.2#

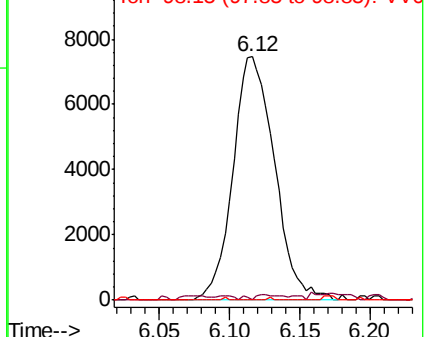
98 0.0 40.2 60.4#

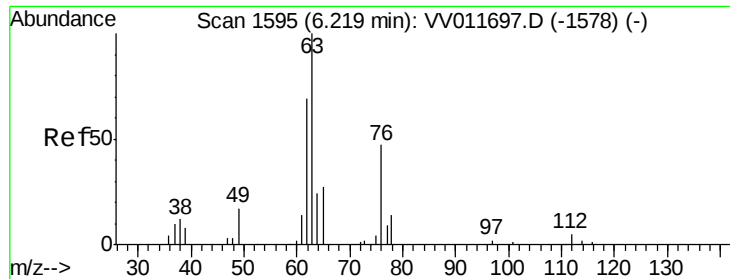


Abundance Ion 83.15 (82.85 to 83.85): VV011717.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV011717.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV011717.D (-1488) (-)

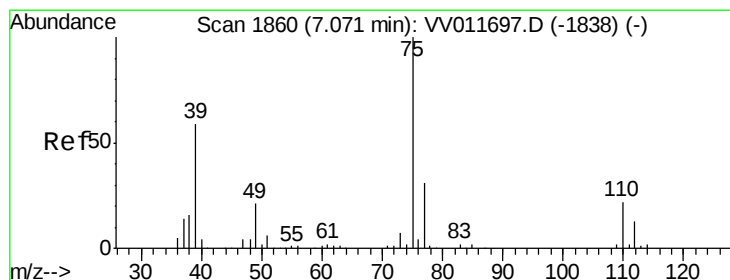
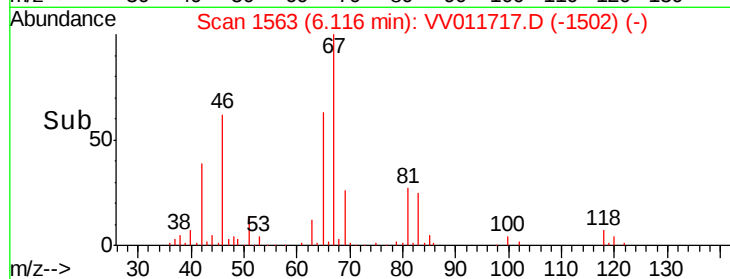
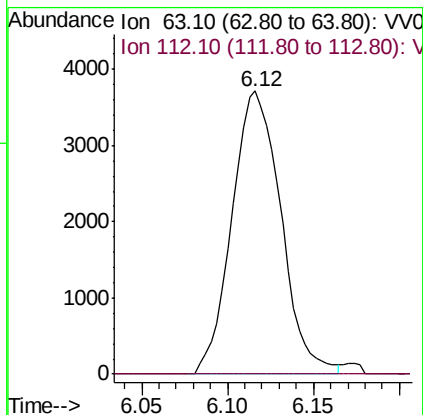
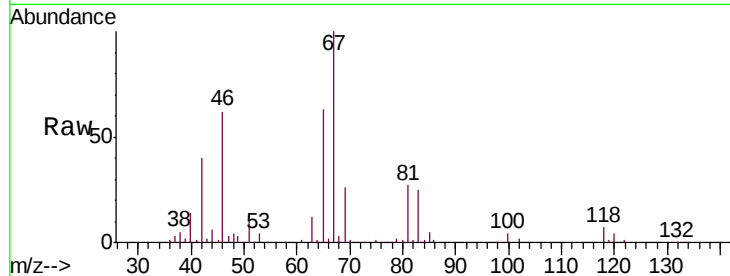




#37
 1,2-Dichloropropane
 Concen: 0.613 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV011717.D
 Acq: 22 Jun 2019 05:55

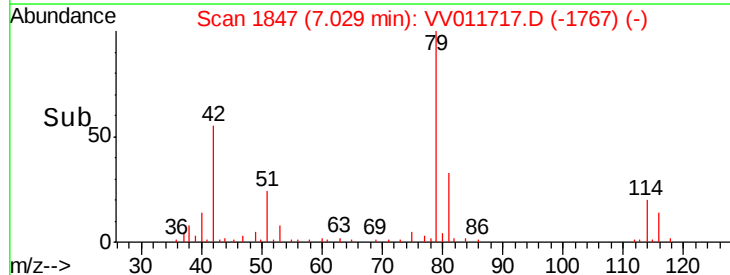
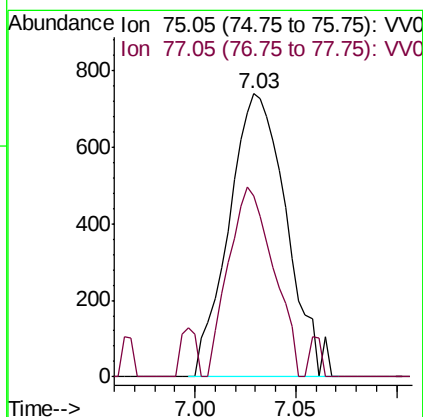
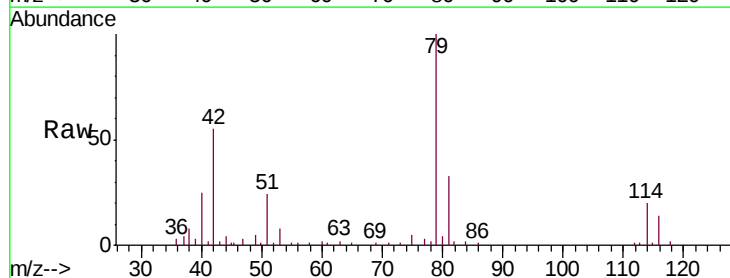
Instrument :
 MSVOA_V
 ClientSampleId :
 YAP07MSD

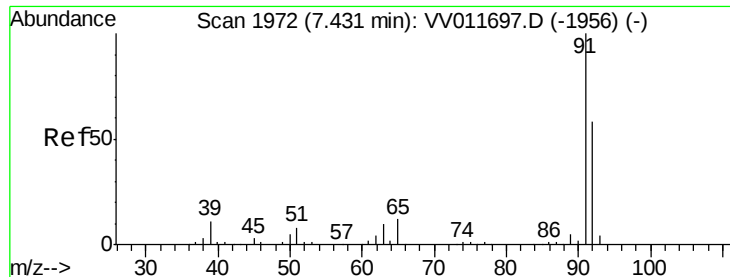
Tgt Ion: 63 Resp: 7373
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.093 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011717.D
 Acq: 22 Jun 2019 05:55

Tgt Ion: 75 Resp: 1465
 Ion Ratio Lower Upper
 75 100
 77 64.1 22.4 41.6#





#42

Toluene

Concen: 4.913 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011717.D

Acq: 22 Jun 2019 05:55

Instrument :

MSVOA_V

ClientSampleId :

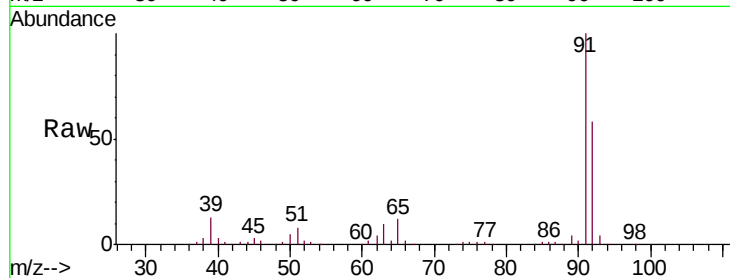
YAP07MSD

Tgt Ion: 91 Resp: 243014

Ion Ratio Lower Upper

91 100

92 57.9 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

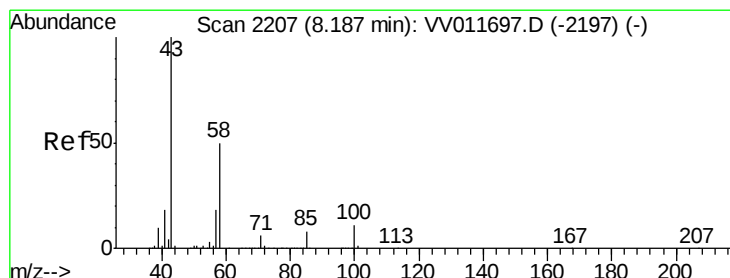
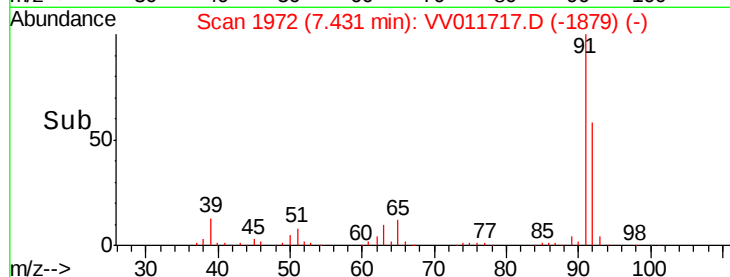
150000

100000

50000

0

Time-->



#48

2-Hexanone

Concen: 3.261 ug/L

RT: 8.14 min Scan# 2191

Delta R.T. -0.05 min

Lab File: VV011717.D

Acq: 22 Jun 2019 05:55

Tgt Ion: 43 Resp: 17286

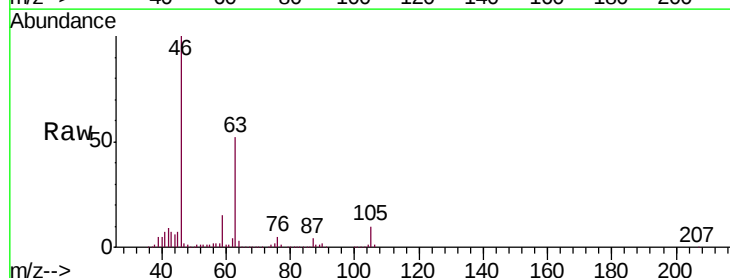
Ion Ratio Lower Upper

43 100

58 29.8 40.1 60.1#

57 27.5 14.4 21.6#

100 0.8 8.6 12.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

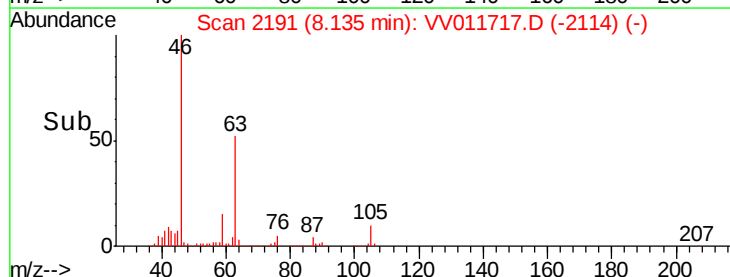
8.14

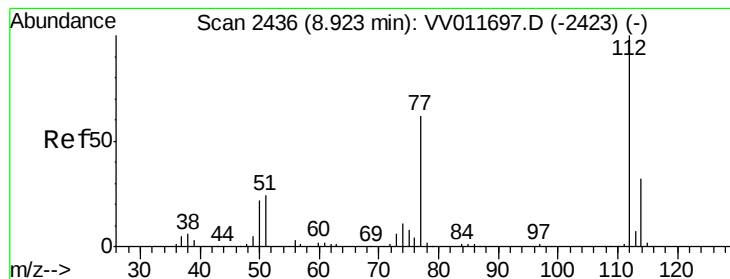
10000

5000

0

Time-->





#51

Chlorobenzene

Concen: 4.786 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV011717.D

Acq: 22 Jun 2019 05:55

Instrument :

MSVOA_V

ClientSampleId :

YAP07MSD

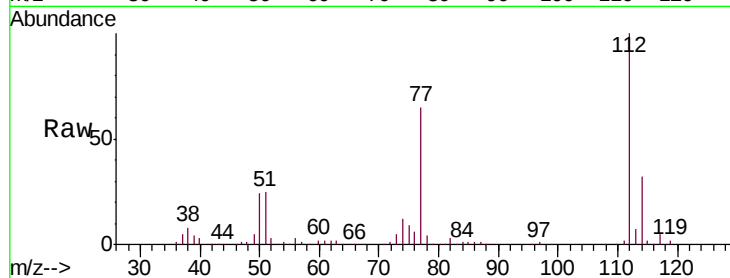
Tgt Ion:112 Resp: 146797

Ion Ratio Lower Upper

112 100

114 32.2 23.0 42.8

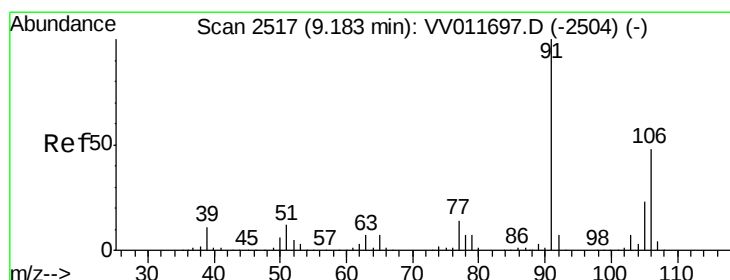
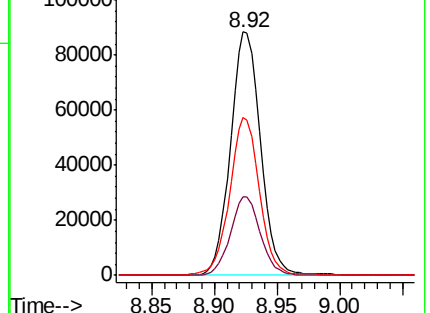
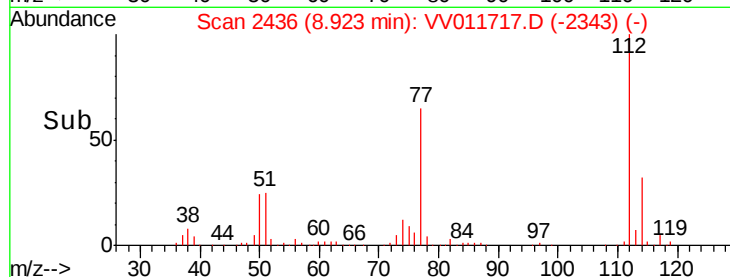
77 64.8 50.0 75.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#53

m,p-xylene

Concen: 0.142 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV011717.D

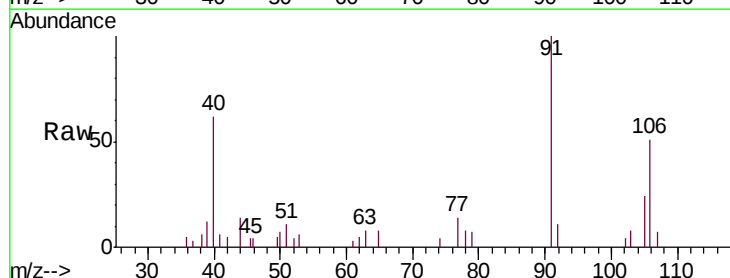
Acq: 22 Jun 2019 05:55

Tgt Ion:106 Resp: 2844

Ion Ratio Lower Upper

106 100

91 195.2 144.9 269.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): V

