

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
 Data File : VV017104.D
 Acq On : 25 Jun 2020 05:05
 Operator : SY/MD
 Sample : L3102-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9L57

Quant Time: Jun 25 05:30:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 05:27:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	176768	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	170269	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	82483	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36769	3.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.40%
7) Chloroethane-d5	1.58	69	30488	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.00%
11) 1,1-Dichloroethene-d2	2.13	63	59423	2.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.80%#
20) 2-Butanone-d5	3.92	46	109359	40.44	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.88%
24) Chloroform-d	4.38	84	96959	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	5.06	65	52924	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
32) Benzene-d6	5.08	84	181187	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
36) 1,2-Dichloropropane-d6	6.09	67	54860	4.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.00%
41) Toluene-d8	7.34	98	163757	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.00%
45) trans-1,3-Dichloropropene-	7.64	79	20980	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
48) 2-Hexanone-d5	8.11	63	80172	38.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.40%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39731	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	64799	4.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.00%

Target Compounds

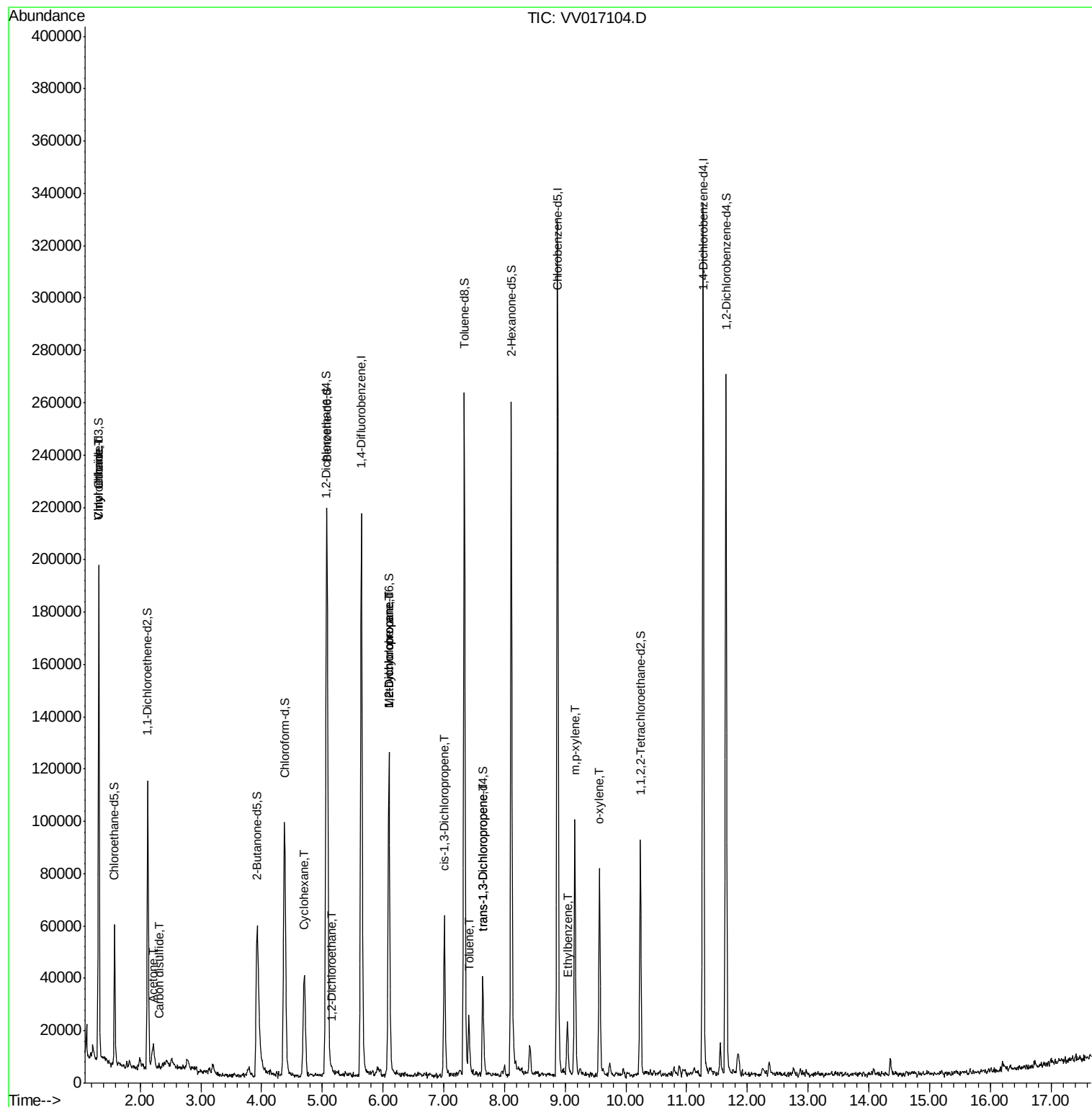
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	79105	6.820	ug/L	97
8) Chloroethane	1.32	64	26528	4.138	ug/L #	47
13) Acetone	2.20	43	10094	7.385	ug/L	88
14) Carbon disulfide	2.31	76	1525	0.060	ug/L #	77
27) 1,2-Dichloroethane	5.16	62	928	0.068	ug/L #	76
30) Cyclohexane	4.70	56	18122	0.934	ug/L	96
35) Methylcyclohexane	6.10	83	14764	0.727	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	6301	0.571	ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	2036	0.124	ug/L #	51
42) Toluene	7.41	91	14915	0.288	ug/L	90
46) trans-1,3-Dichloropropene	7.65	75	916	0.065	ug/L	93
54) Ethylbenzene	9.04	91	14008	0.253	ug/L	100
55) m,p-xylene	9.16	106	26020	1.199	ug/L	99
56) o-xylene	9.57	106	19840	0.980	ug/L	93

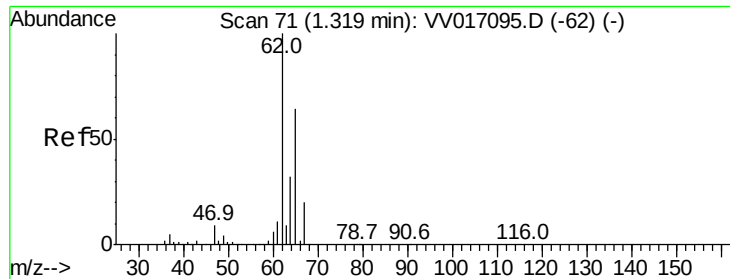
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 6.820 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017104.D

Acq: 25 Jun 2020 05:05

Instrument :

MSVOA_V

ClientSampleId :

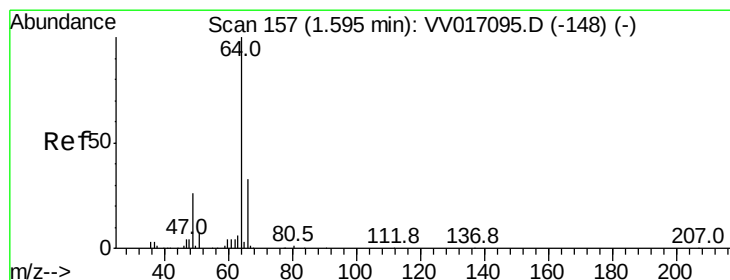
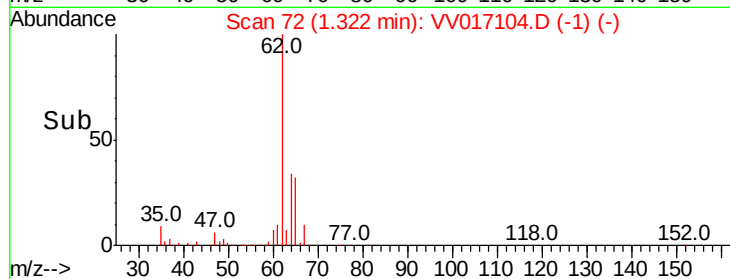
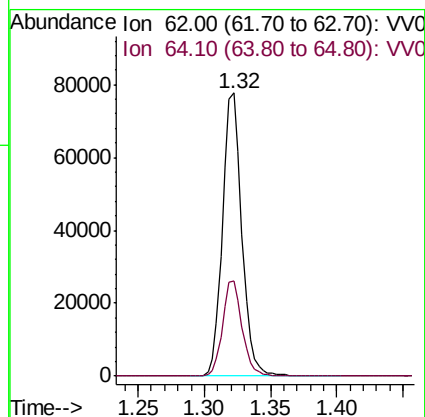
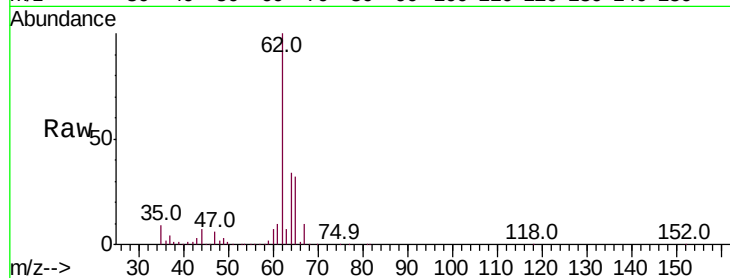
F9L57

Tot Ion: 62 Resp: 79105

Ion Ratio Lower Upper

62 100

64 33.7 22.5 41.7



#8

Chloroethane

Concen: 4.138 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.27 min

Lab File: VV017104.D

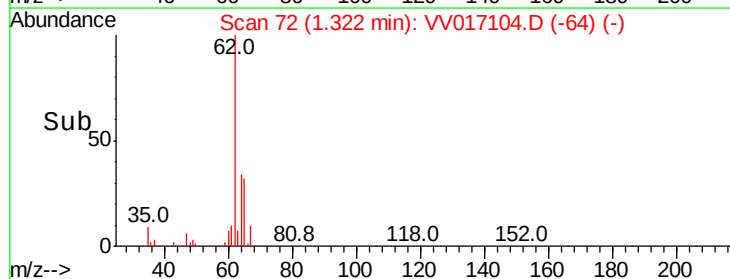
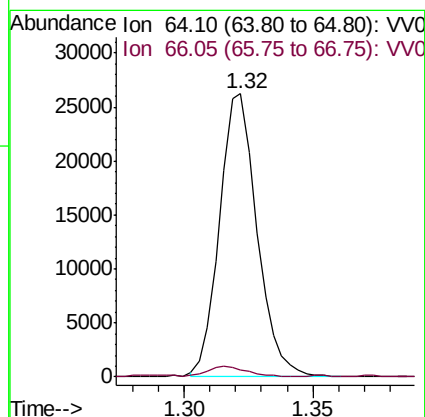
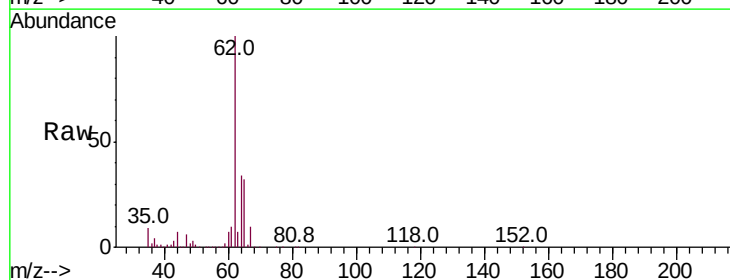
Acq: 25 Jun 2020 05:05

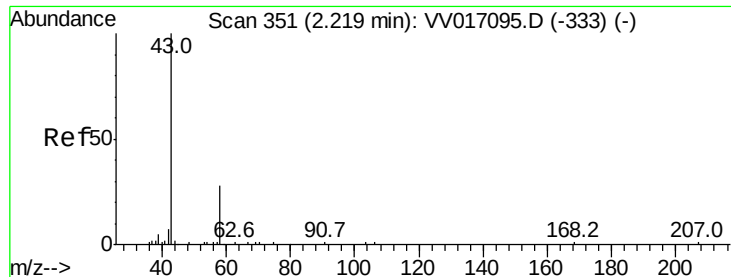
Tgt Ion: 64 Resp: 26528

Ion Ratio Lower Upper

64 100

66 2.6 22.8 42.4#





#13

Acetone

Concen: 7.385 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.02 min

Lab File: VV017104.D

Acq: 25 Jun 2020 05:05

Instrument :

MSVOA_V

ClientSampleId :

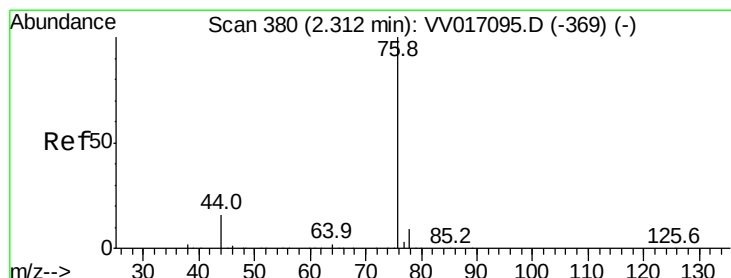
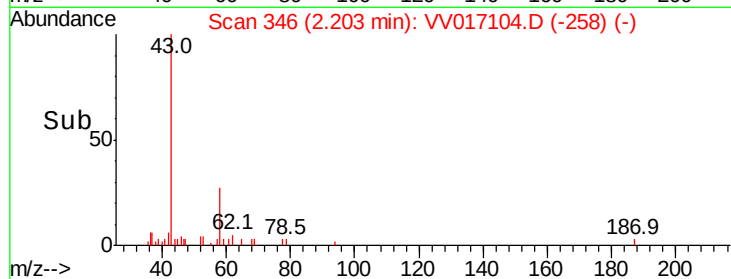
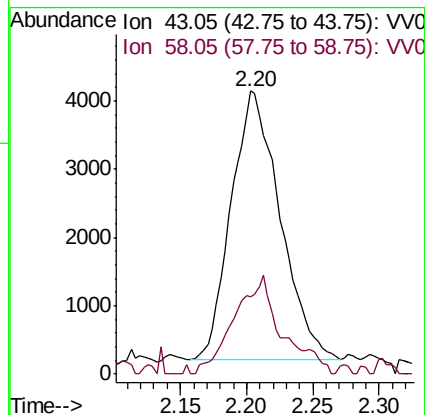
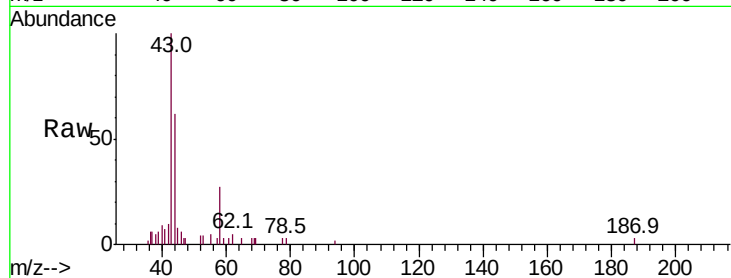
F9L57

Tot Ion: 43 Resp: 10094

Ion Ratio Lower Upper

43 100

58 35.9 0.0 58.4



#14

Carbon disulfide

Concen: 0.060 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017104.D

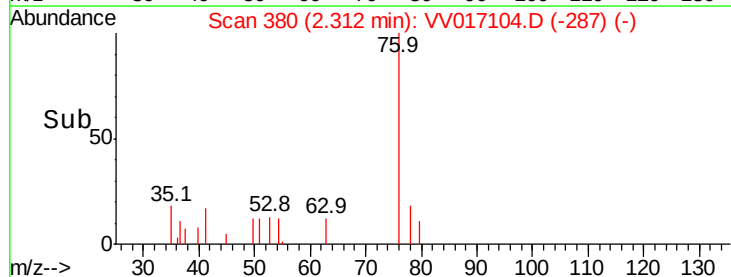
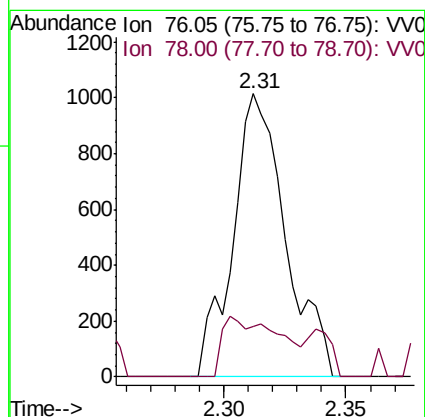
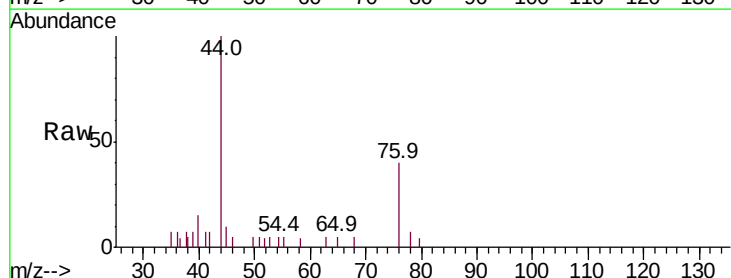
Acq: 25 Jun 2020 05:05

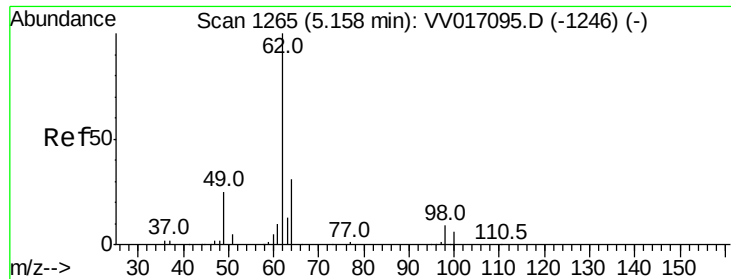
Tgt Ion: 76 Resp: 1525

Ion Ratio Lower Upper

76 100

78 17.9 7.7 11.5#

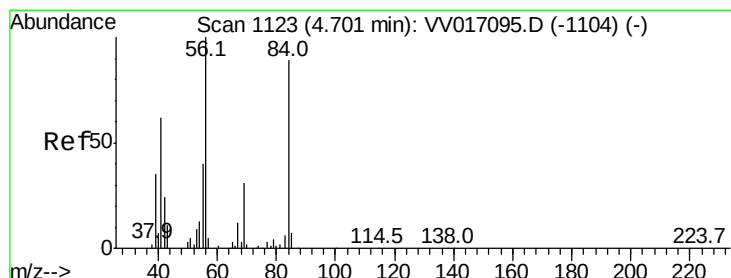
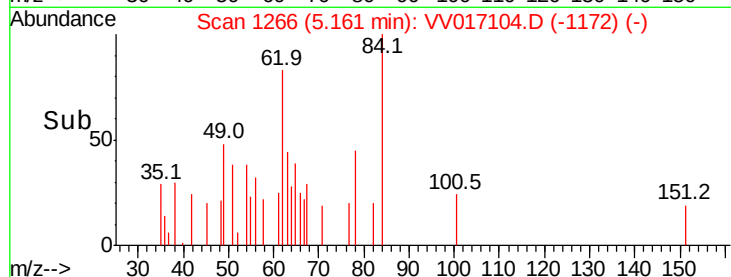
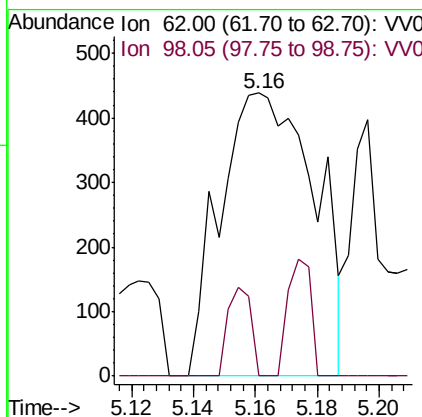
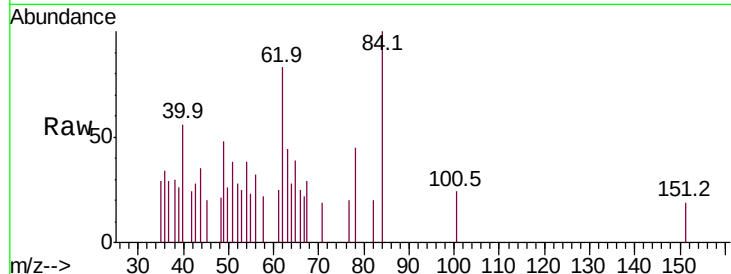




#27
 1,2-Dichloroethane
 Concen: 0.068 ug/L
 RT: 5.16 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VV017104.D
 Acq: 25 Jun 2020 05:05

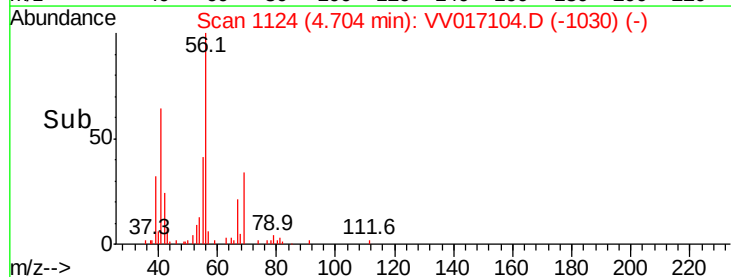
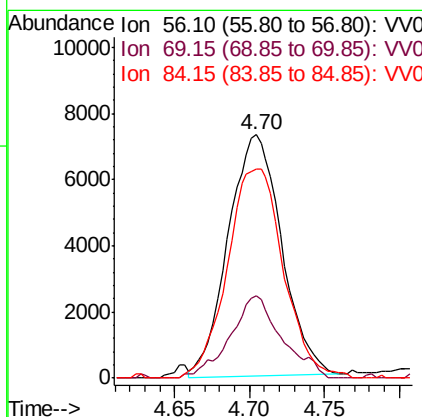
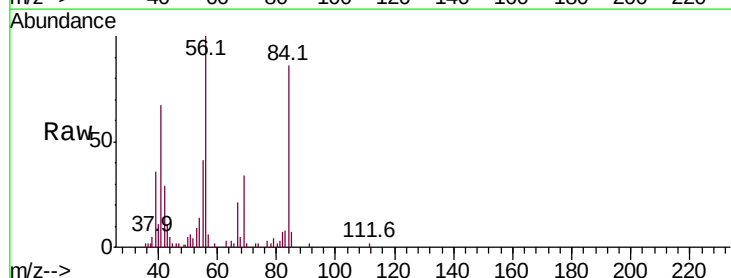
Instrument :
 MSVOA_V
 ClientSampled :
 F9L57

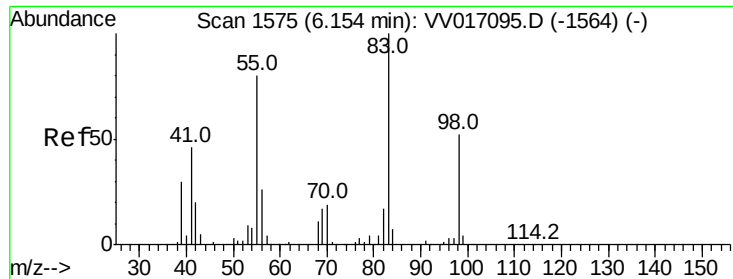
Tot Ion: 62 Resp: 928
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#



#30
 Cyclohexane
 Concen: 0.934 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV017104.D
 Acq: 25 Jun 2020 05:05

Tgt Ion: 56 Resp: 18122
 Ion Ratio Lower Upper
 56 100
 69 33.1 24.4 36.6
 84 91.3 69.9 104.9

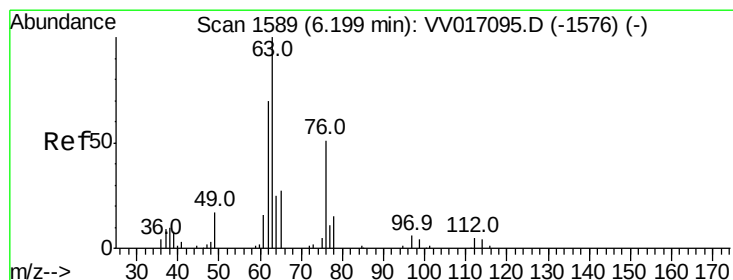
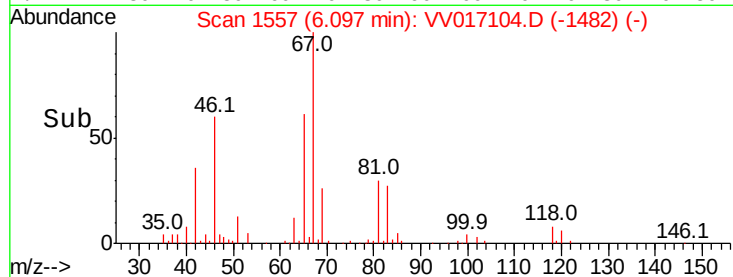
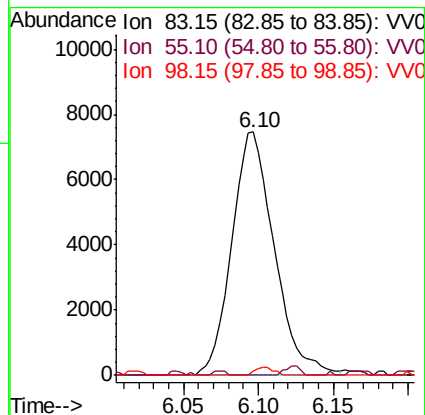
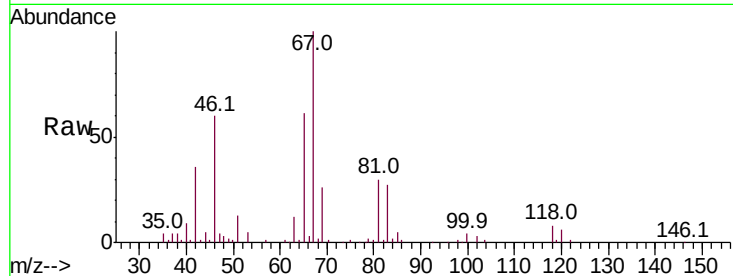




#35
Methvlcvclohexane
Concen: 0.727 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV017104.D
Acq: 25 Jun 2020 05:05

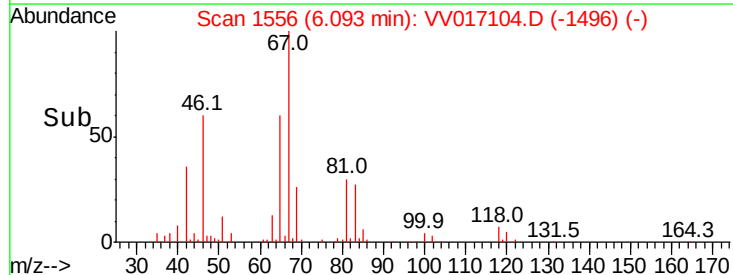
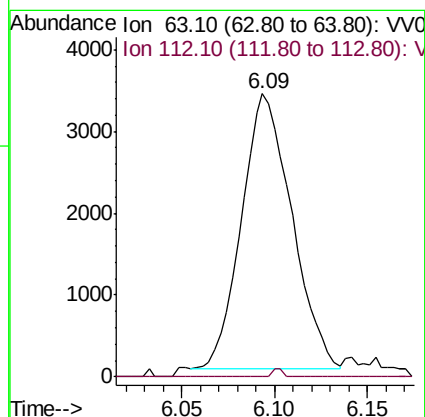
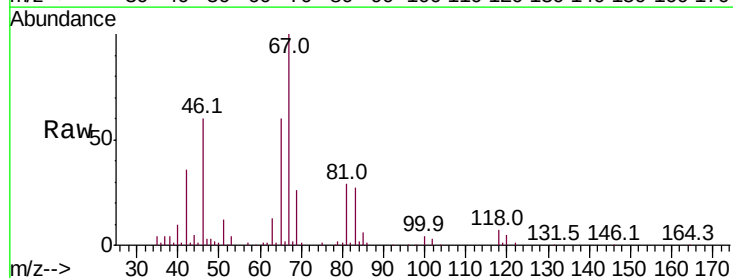
Instrument :
MSVOA_V
ClientSampleId :
F9L57

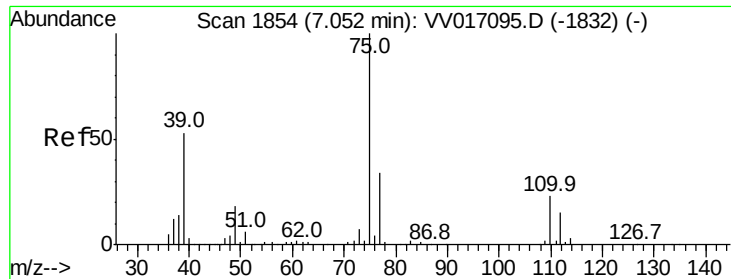
Tot Ion: 83 Resp: 14764
Ion Ratio Lower Upper
83 100
55 1.3 63.6 95.4#
98 1.4 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.571 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.11 min
Lab File: VV017104.D
Acq: 25 Jun 2020 05:05

Tgt Ion: 63 Resp: 6301
Ion Ratio Lower Upper
63 100
112 0.6 4.4 6.6#



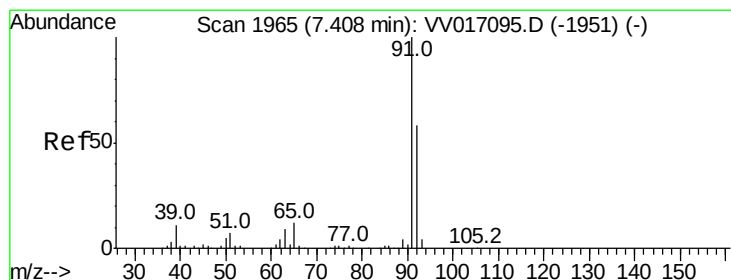
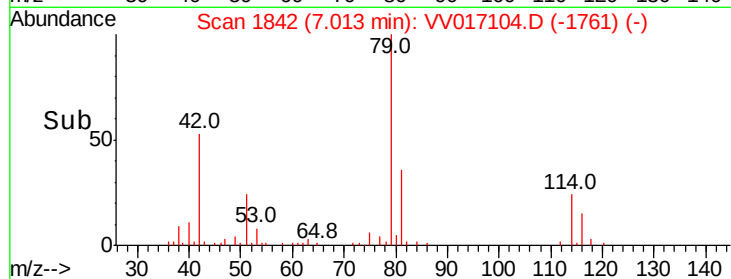
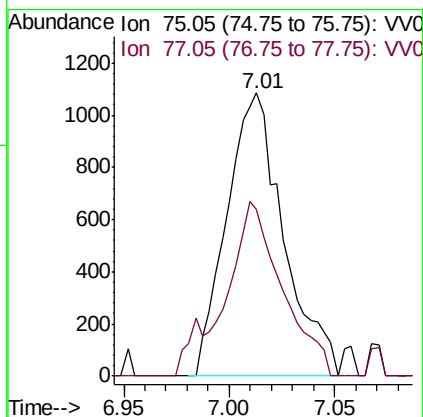
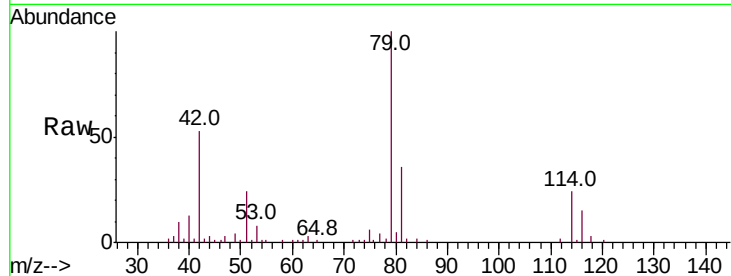


#39

cis-1,3-Dichloropropene
Concen: 0.124 ug/L
RT: 7.01 min Scan# 1842
Delta R.T. -0.04 min
Lab File: VV017104.D
Acq: 25 Jun 2020 05:05

Instrument :
MSVOA_V
ClientSampled :
F9L57

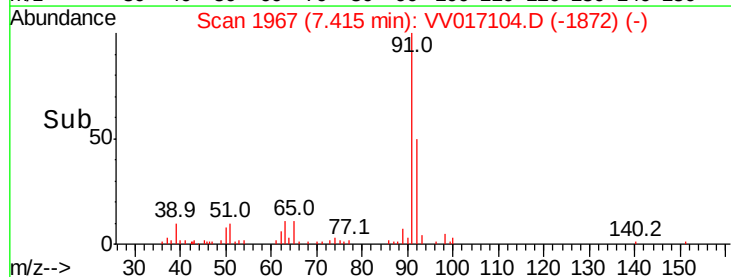
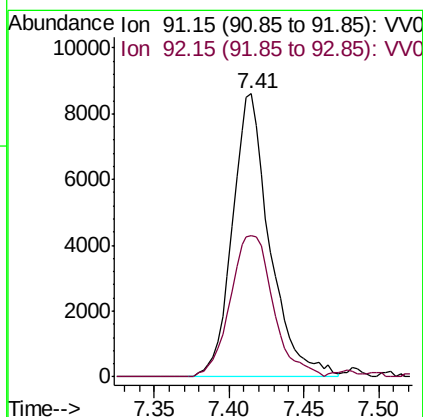
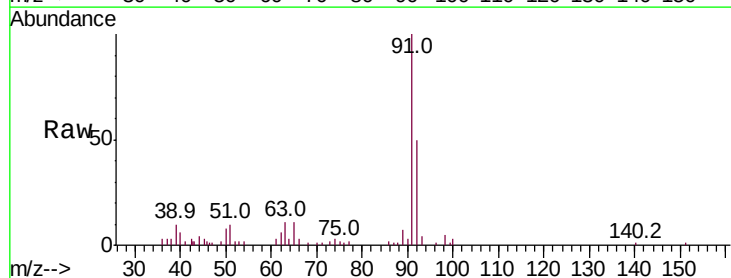
Tot Ion: 75 Resp: 2036
Ion Ratio Lower Upper
75 100
77 59.1 22.3 41.5#

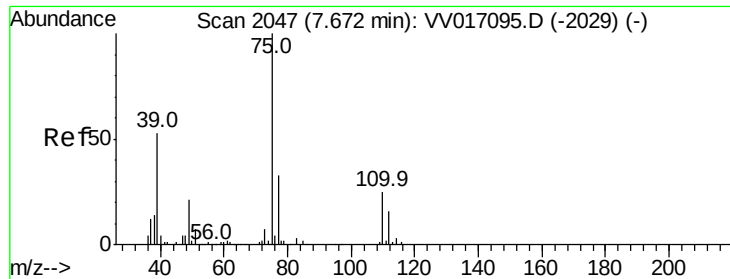


#42

Toluene
Concen: 0.288 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV017104.D
Acq: 25 Jun 2020 05:05

Tgt Ion: 91 Resp: 14915
Ion Ratio Lower Upper
91 100
92 50.0 39.9 74.1





#46

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV017104.D

Acq: 25 Jun 2020 05:05

Instrument :

MSVOA_V

ClientSampled :

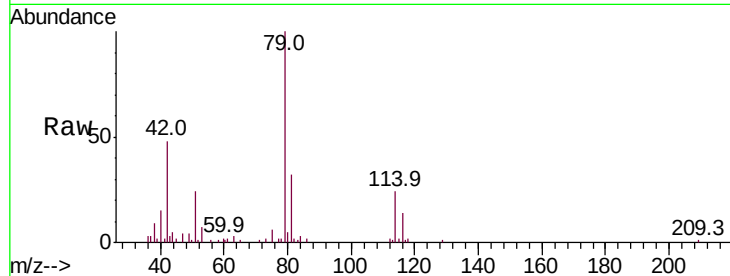
F9L57

Tot Ion: 75 Resp: 916

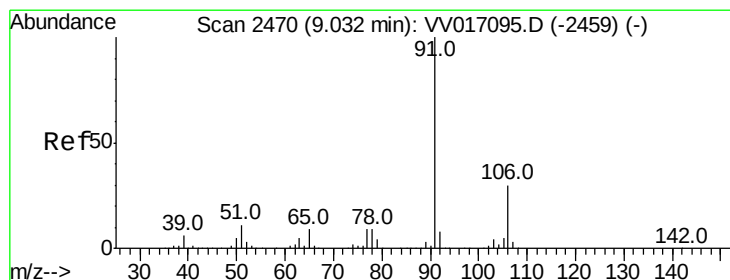
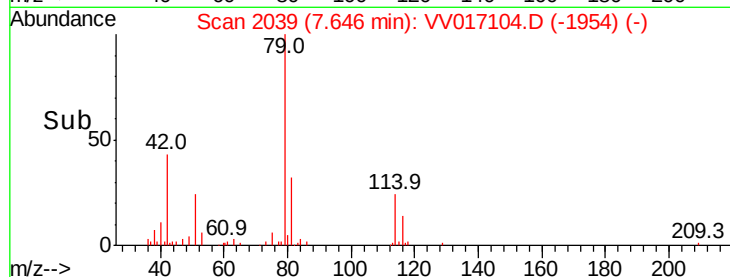
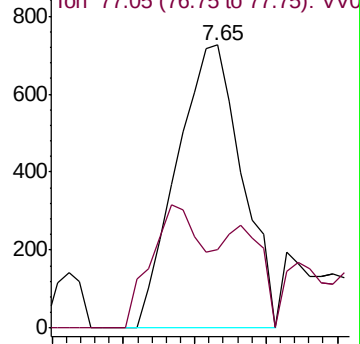
Ion Ratio Lower Upper

75 100

77 27.7 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV017095.D (-2029) (-)



#54

Ethylbenzene

Concen: 0.253 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017104.D

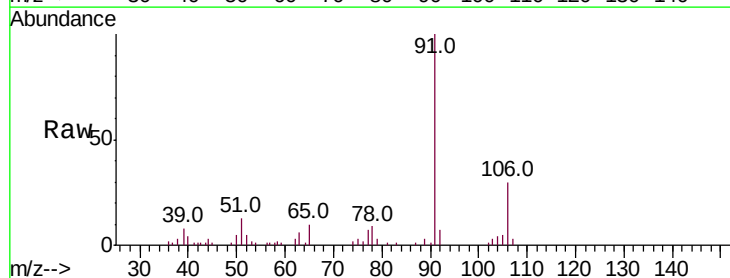
Acq: 25 Jun 2020 05:05

Tgt Ion: 91 Resp: 14008

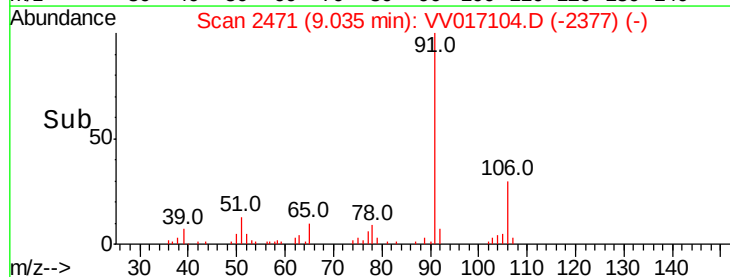
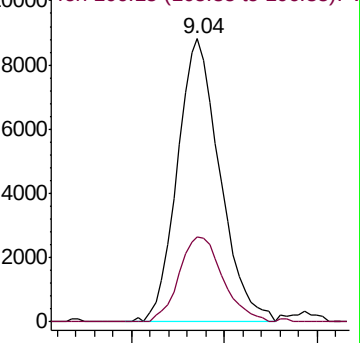
Ion Ratio Lower Upper

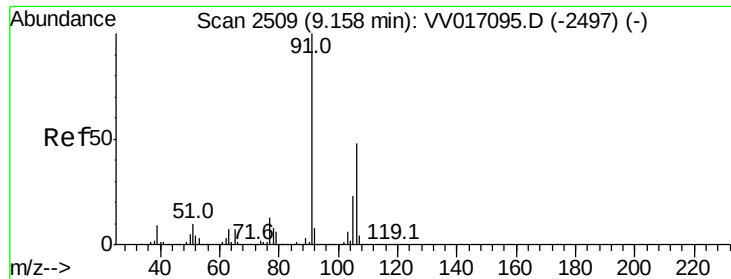
91 100

106 29.8 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV017095.D (-2459) (-)





#55

m,p-xylene

Concen: 1.199 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017104.D

Acq: 25 Jun 2020 05:05

Instrument :

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ClientSampleId :

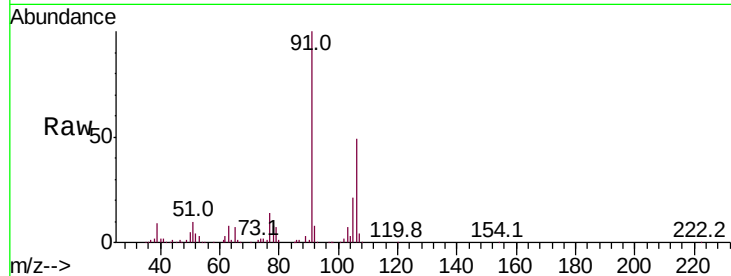
F9L57

Tot Ion:106 Resp: 26020

Ion Ratio Lower Upper

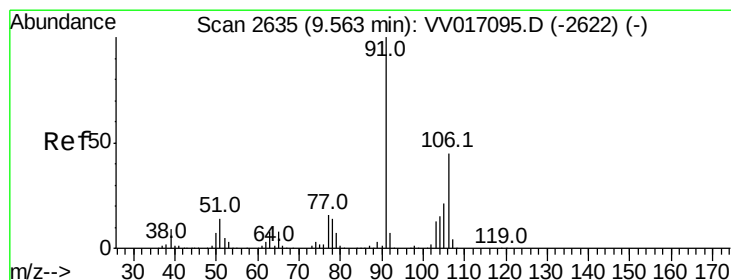
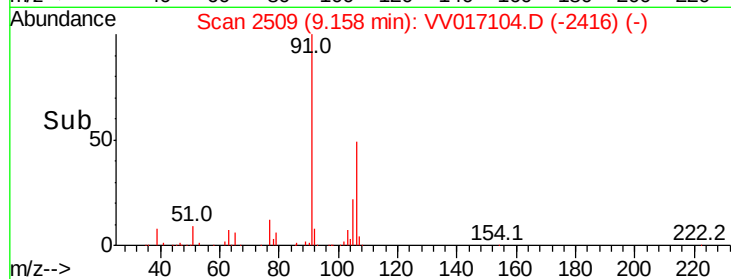
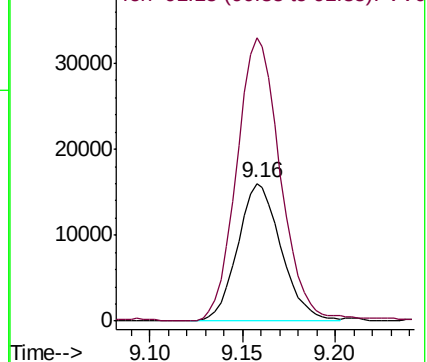
106 100

91 205.3 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.980 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017104.D

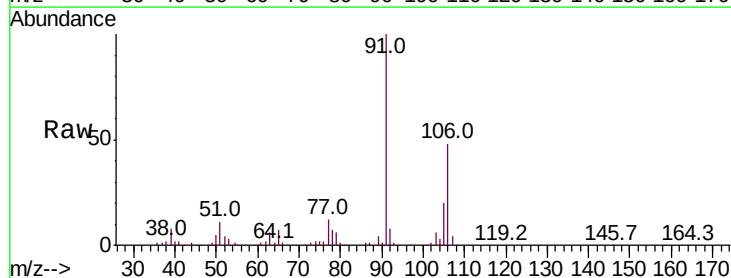
Acq: 25 Jun 2020 05:05

Tgt Ion:106 Resp: 19840

Ion Ratio Lower Upper

106 100

91 208.4 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

