

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
 Data File : VV017100.D
 Acq On : 25 Jun 2020 03:29
 Operator : SY/MD
 Sample : L3102-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9L53

Quant Time: Jun 25 05:29:32 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	177471	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	175064	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	82155	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36570	3.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.60%
7) Chloroethane-d5	1.58	69	30431	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.60%
11) 1,1-Dichloroethene-d2	2.13	63	58397	2.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.60%#
20) 2-Butanone-d5	3.93	46	109706	40.41	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.82%
24) Chloroform-d	4.38	84	96468	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	5.06	65	52207	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
32) Benzene-d6	5.08	84	180755	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
36) 1,2-Dichloropropane-d6	6.10	67	54239	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.80%
41) Toluene-d8	7.34	98	159532	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
45) trans-1,3-Dichloropropene-	7.64	79	20964	3.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.00%
48) 2-Hexanone-d5	8.11	63	79560	36.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.74%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38501	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	65022	4.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	51804	4.448	ug/L	99
8) Chloroethane	1.60	64	748	0.116	ug/L	88
13) Acetone	2.21	43	11824	8.616	ug/L	93
14) Carbon disulfide	2.32	76	4698	0.184	ug/L	100
27) 1,2-Dichloroethane	5.16	62	866	0.063	ug/L #	76
30) Cyclohexane	4.70	56	37174	1.863	ug/L	99
33) Benzene	5.13	78	3333	0.073	ug/L	100
35) Methylcyclohexane	6.10	83	14669	0.703	ug/L #	19
37) 1,2-Dichloropropane	6.10	63	6912	0.609	ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	1818	0.108	ug/L #	36
42) Toluene	7.41	91	61470	1.153	ug/L	98
54) Ethylbenzene	9.04	91	14126	0.248	ug/L	99
55) m,p-xylene	9.16	106	8057	0.361	ug/L	96
56) o-xylene	9.57	106	3352	0.161	ug/L	91
57) Styrene	9.59	104	2658	0.077	ug/L	89

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 25 05:27:24 2020
Response via : Initial Calibration

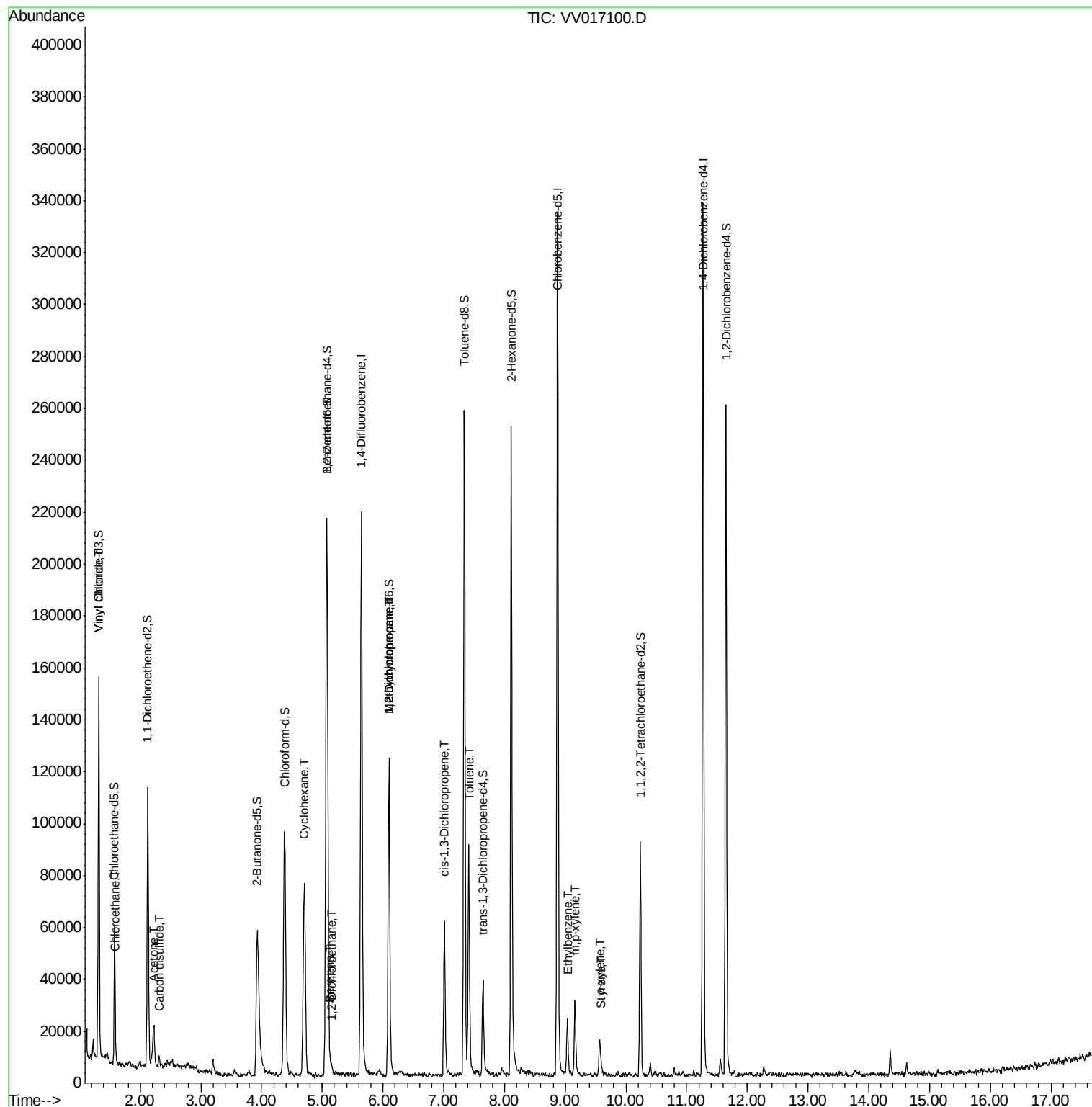
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

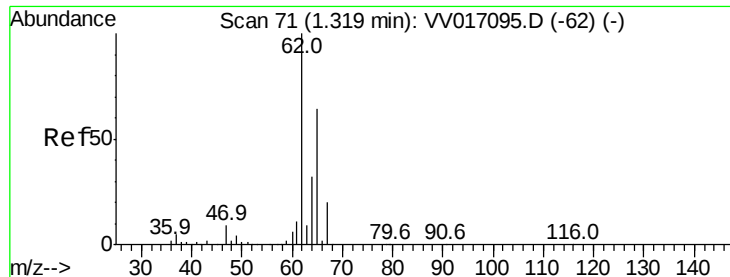
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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QLast Update : Thu Jun 25 05:27:24 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.448 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017100.D

Acq: 25 Jun 2020 03:29

Instrument :

MSVOA_V

ClientSampleId :

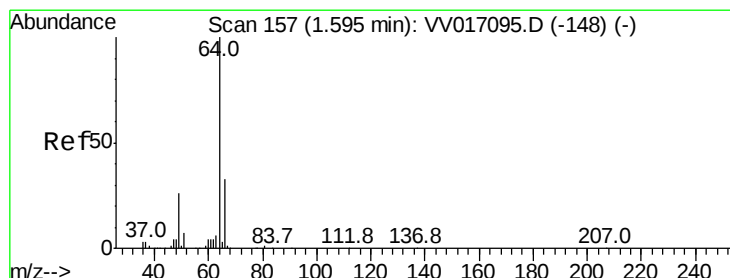
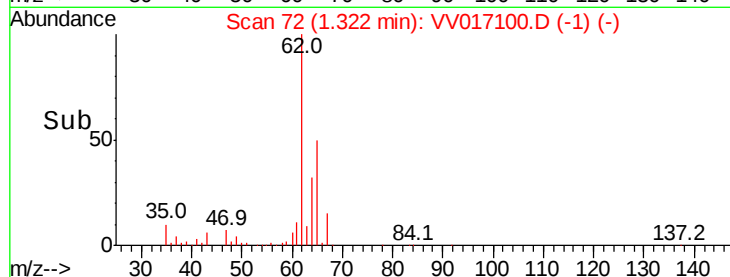
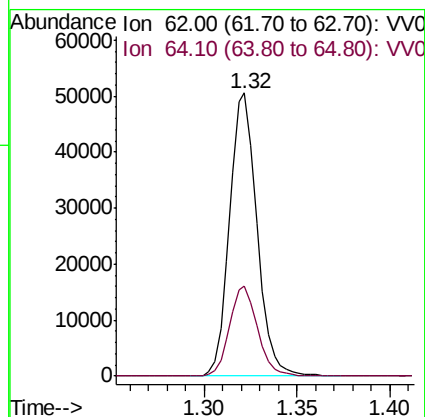
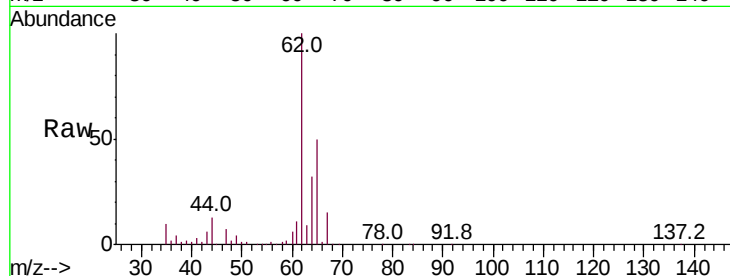
F9L53

Tot Ion: 62 Resp: 51804

Ion Ratio Lower Upper

62 100

64 31.7 22.5 41.7



#8

Chloroethane

Concen: 0.116 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV017100.D

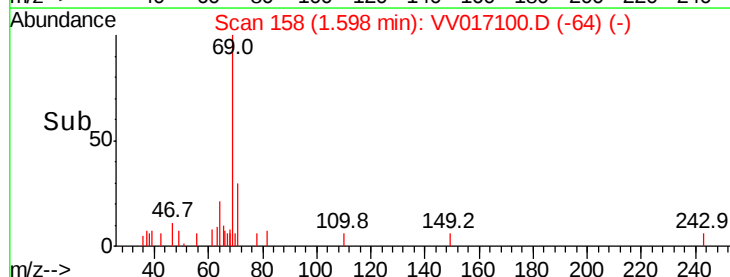
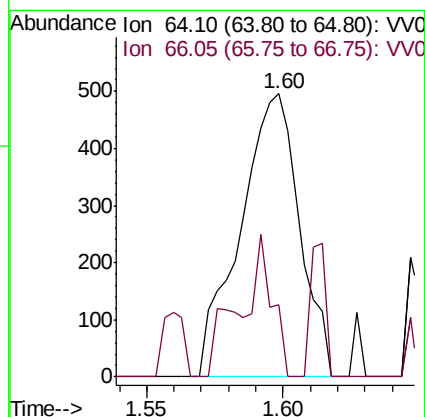
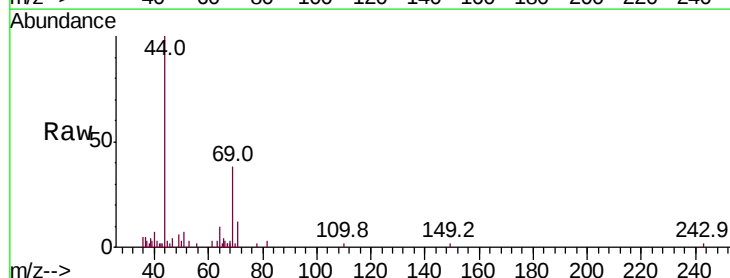
Acq: 25 Jun 2020 03:29

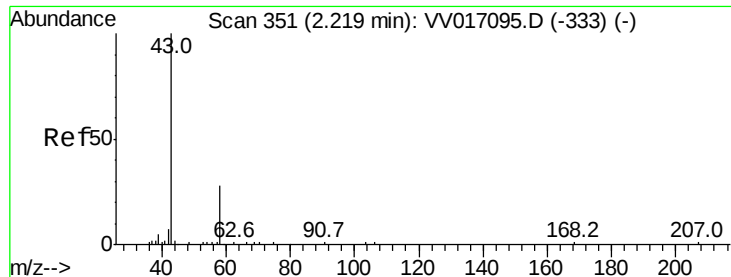
Tgt Ion: 64 Resp: 748

Ion Ratio Lower Upper

64 100

66 25.6 22.8 42.4





#13

Acetone

Concen: 8.616 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV017100.D

Acq: 25 Jun 2020 03:29

Instrument :

MSVOA_V

ClientSampleId :

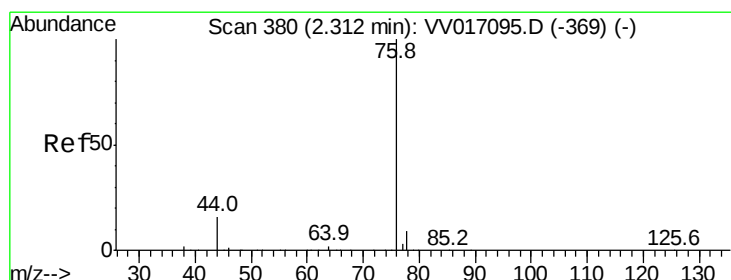
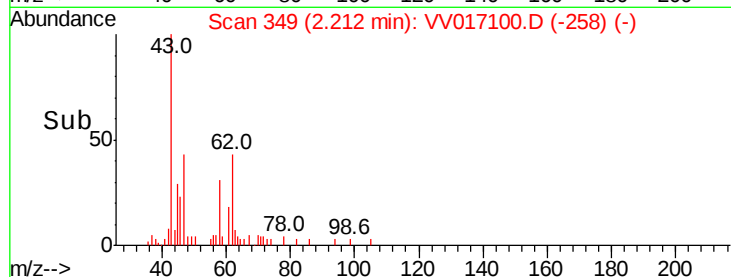
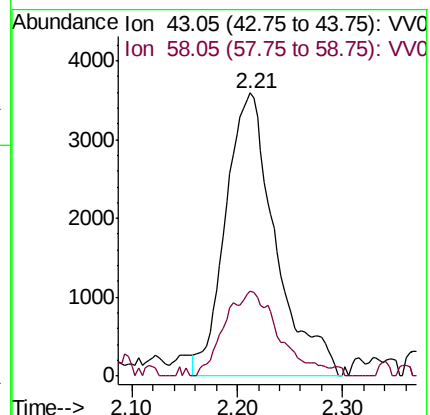
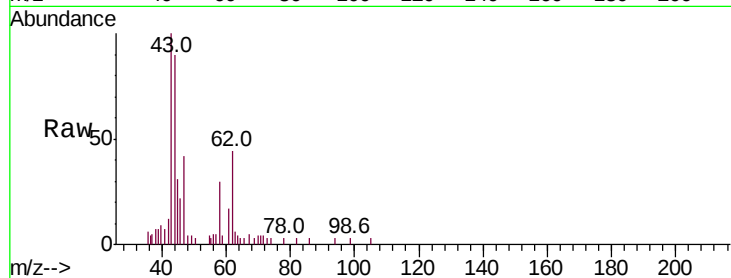
F9L53

Tot Ion: 43 Resp: 11824

Ion Ratio Lower Upper

43 100

58 32.7 0.0 58.4



#14

Carbon disulfide

Concen: 0.184 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV017100.D

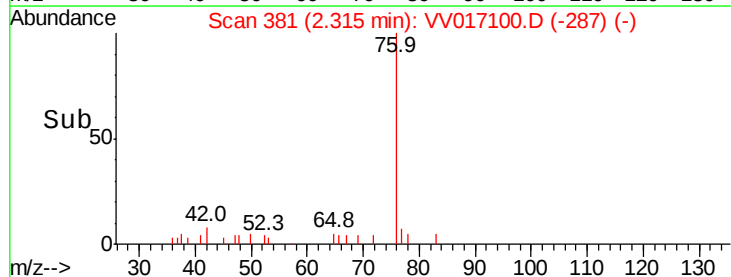
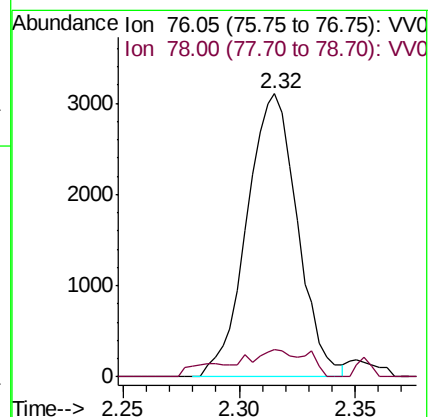
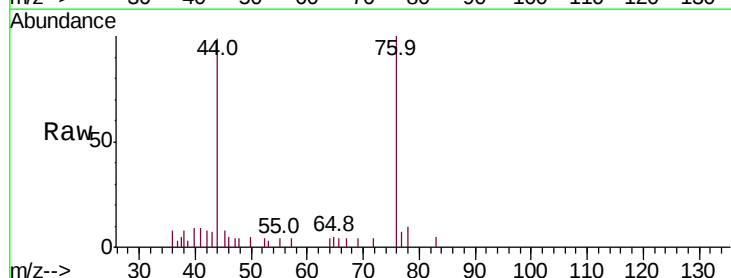
Acq: 25 Jun 2020 03:29

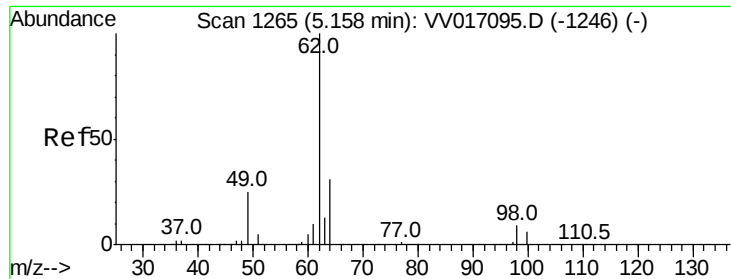
Tgt Ion: 76 Resp: 4698

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5





#27

1,2-Dichloroethane

Concen: 0.063 ug/L

RT: 5.16 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VV017100.D

Acq: 25 Jun 2020 03:29

Instrument :

MSVOA_V

ClientSampled :

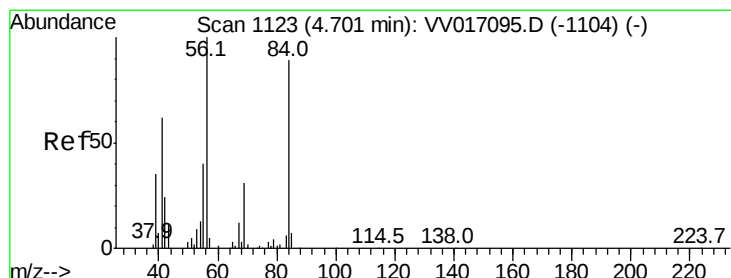
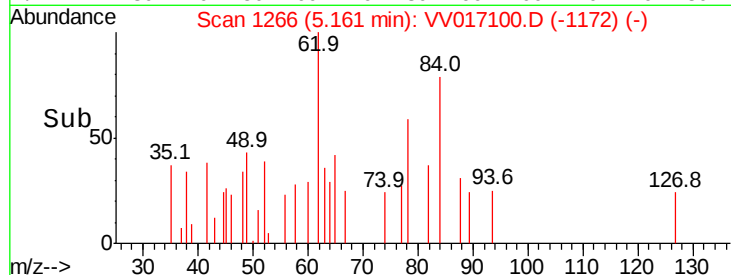
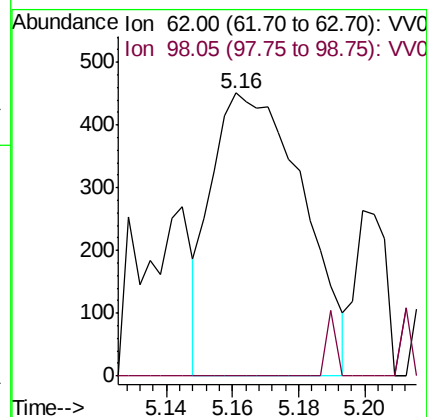
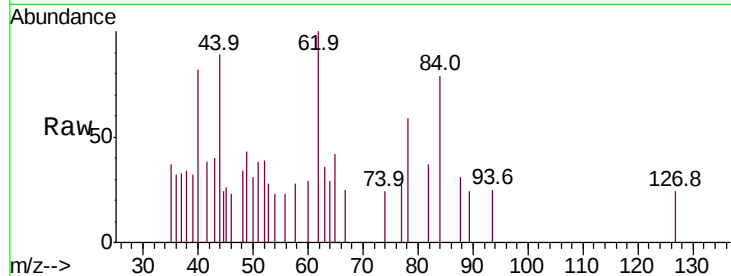
F9L53

Tot Ion: 62 Resp: 866

Ion Ratio Lower Upper

62 100

98 0.0 6.7 10.1#



#30

Cyclohexane

Concen: 1.863 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV017100.D

Acq: 25 Jun 2020 03:29

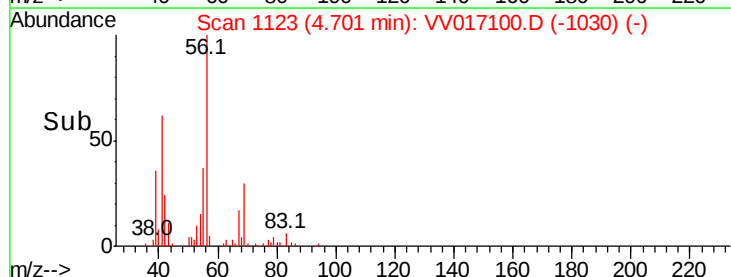
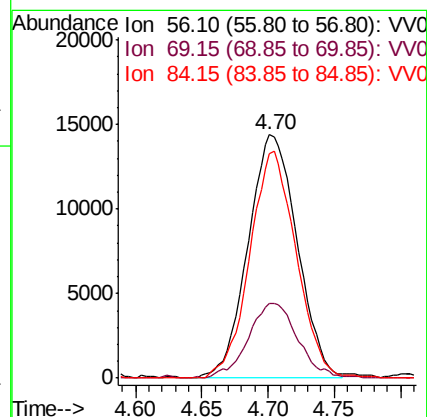
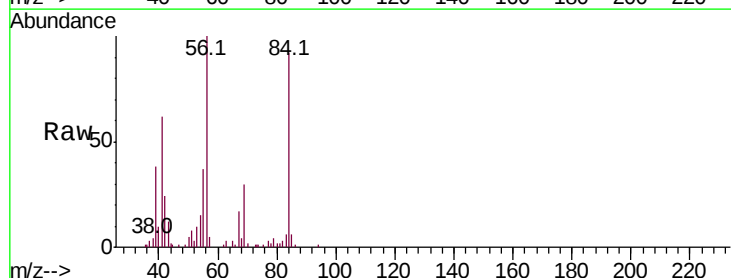
Tgt Ion: 56 Resp: 37174

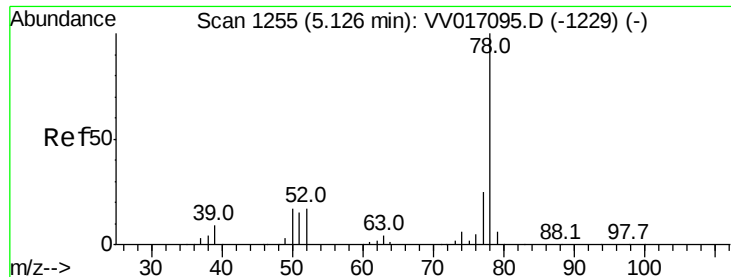
Ion Ratio Lower Upper

56 100

69 31.0 24.4 36.6

84 88.5 69.9 104.9





#33

Benzene

Concen: 0.073 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV017100.D

Acq: 25 Jun 2020 03:29

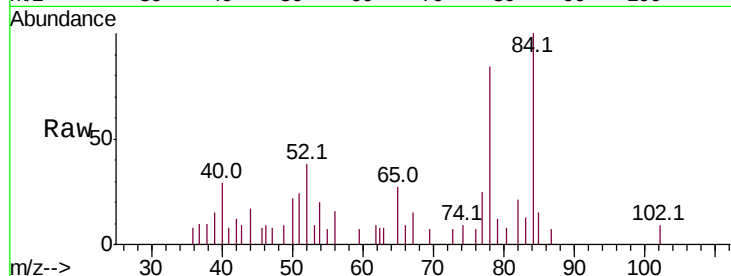
Instrument :

MSVOA_V

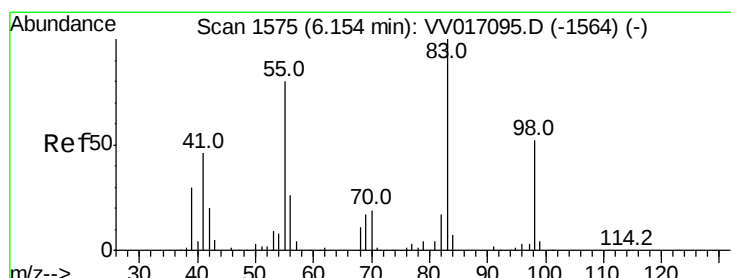
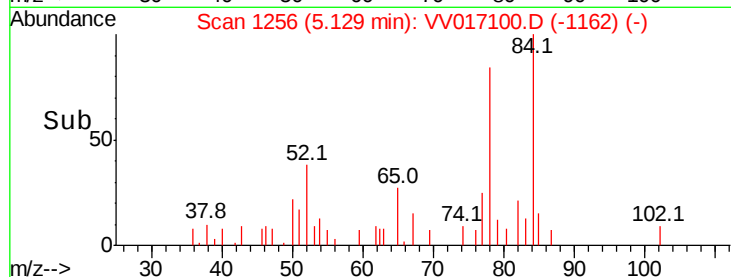
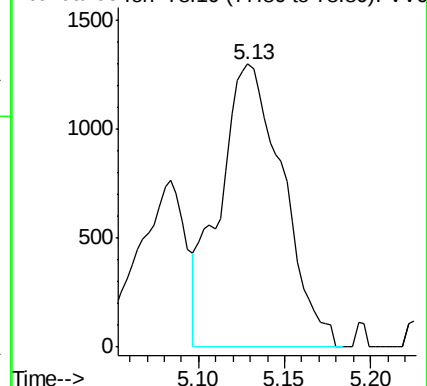
ClientSampled :

F9L53

Tgt Ion: 78 Resp: 3333



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.703 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV017100.D

Acq: 25 Jun 2020 03:29

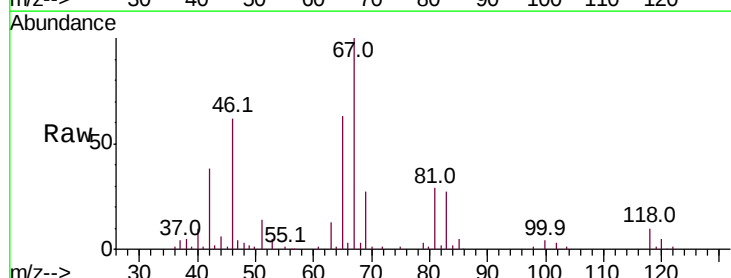
Tgt Ion: 83 Resp: 14669

Ion Ratio Lower Upper

83 100

55 1.7 63.6 95.4#

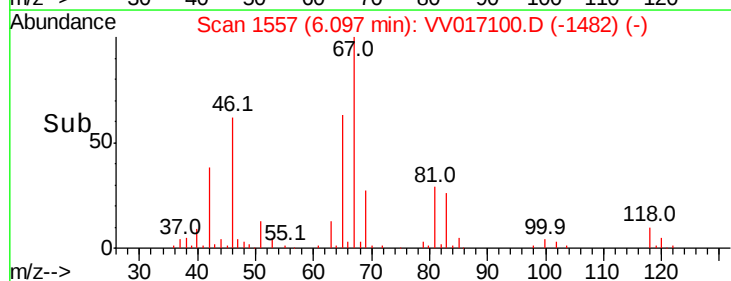
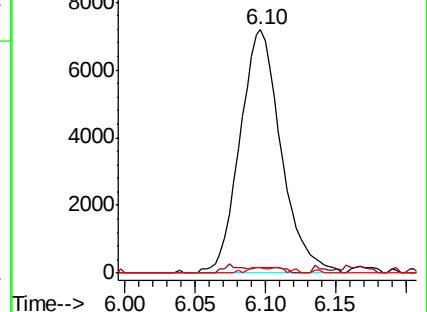
98 1.3 38.8 58.2#

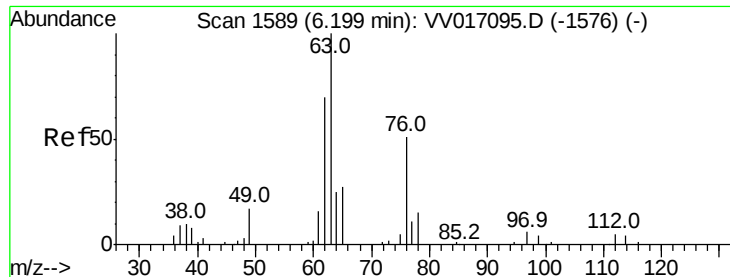


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.609 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017100.D

Acq: 25 Jun 2020 03:29

Instrument :

MSVOA_V

ClientSampled :

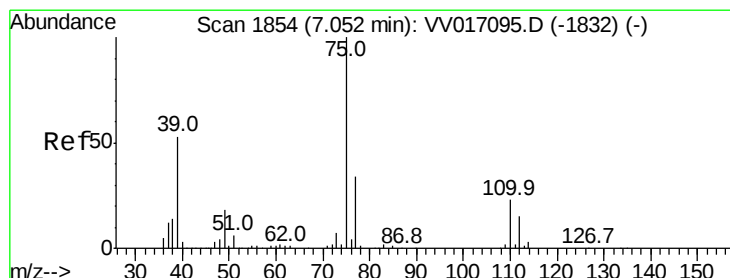
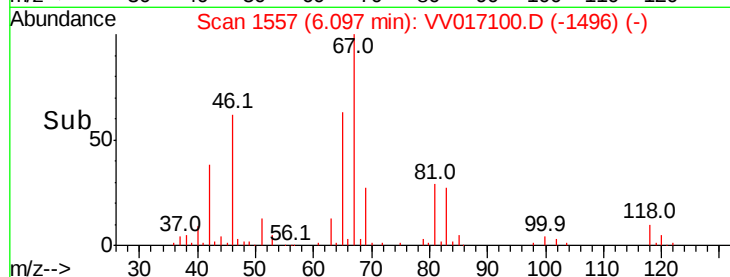
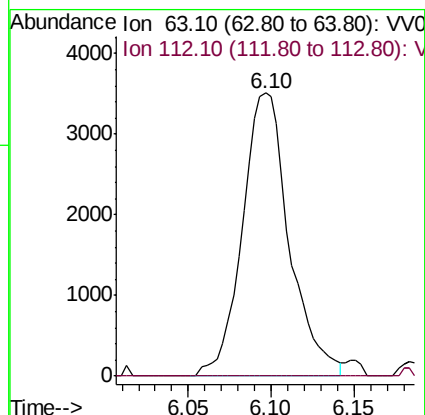
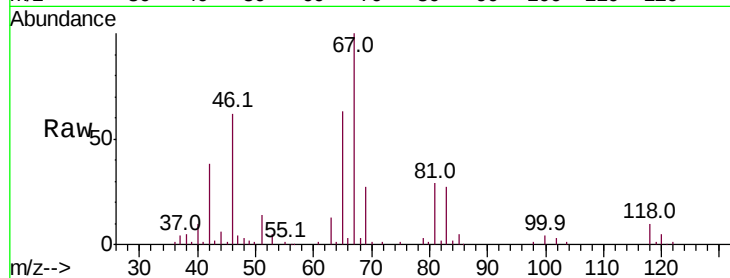
F9L53

Tot Ion: 63 Resp: 6912

Ion Ratio Lower Upper

63 100

112 0.6 4.4 6.6#



#39

cis-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV017100.D

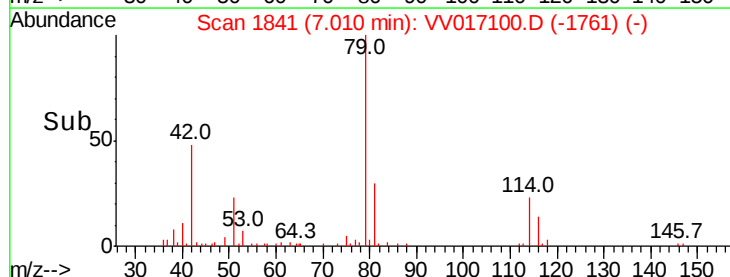
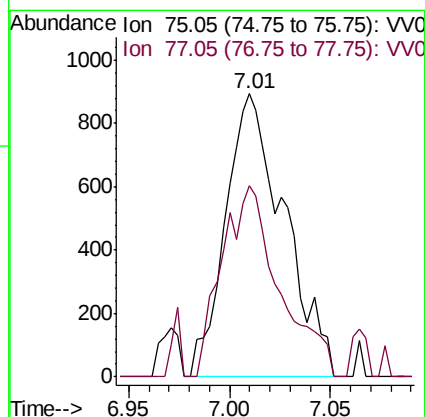
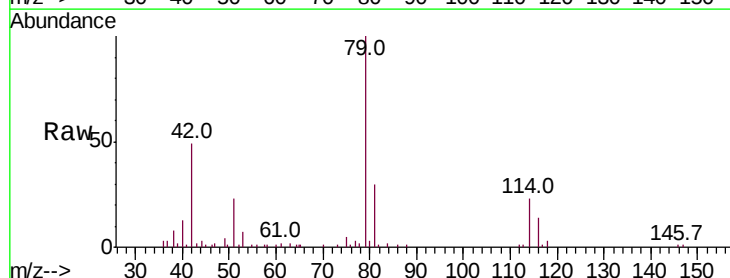
Acq: 25 Jun 2020 03:29

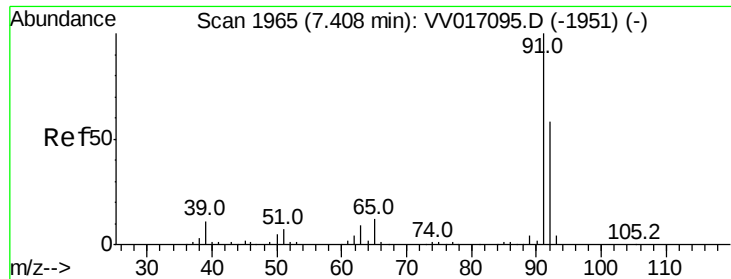
Tgt Ion: 75 Resp: 1818

Ion Ratio Lower Upper

75 100

77 67.7 22.3 41.5#





#42

Toluene

Concen: 1.153 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV017100.D

Acq: 25 Jun 2020 03:29

Instrument :

MSVOA_V

ClientSampleId :

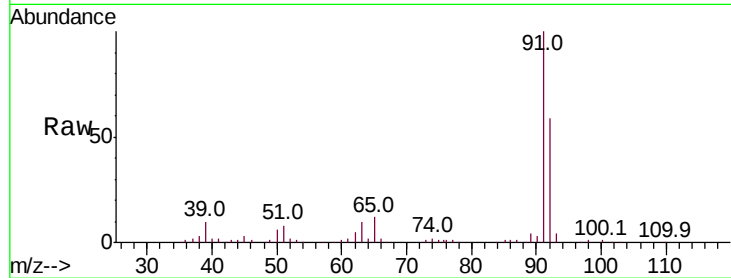
F9L53

Tot Ion: 91 Resp: 61470

Ion Ratio Lower Upper

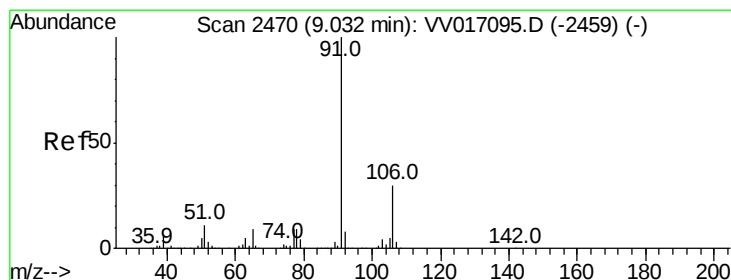
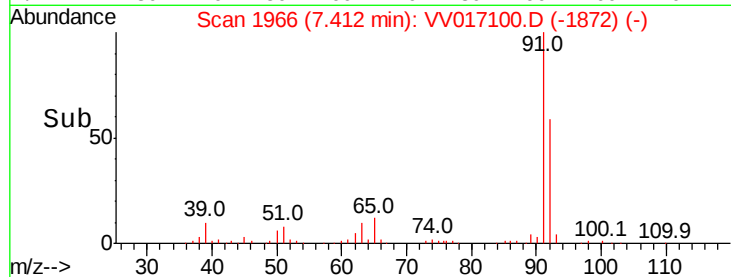
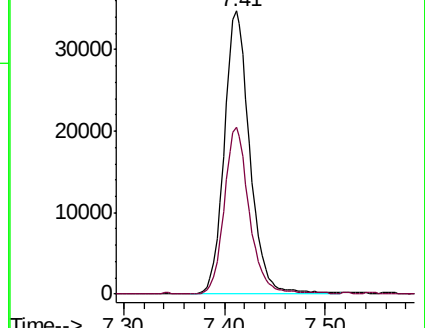
91 100

92 58.8 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017100.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV017100.D (-1951) (-)



#54

Ethylbenzene

Concen: 0.248 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017100.D

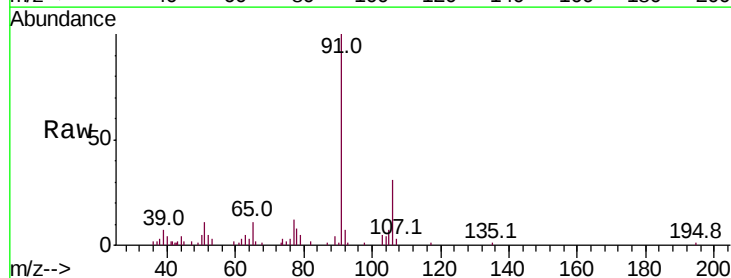
Acq: 25 Jun 2020 03:29

Tgt Ion: 91 Resp: 14126

Ion Ratio Lower Upper

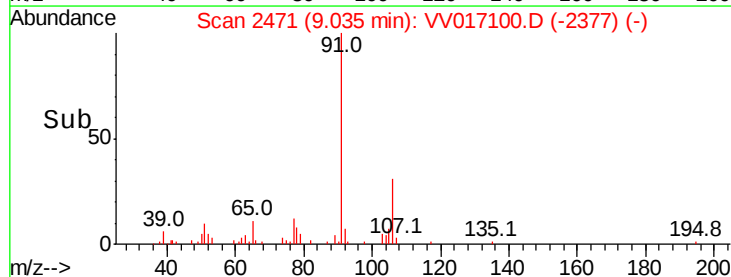
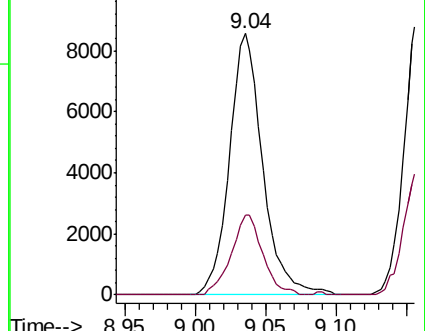
91 100

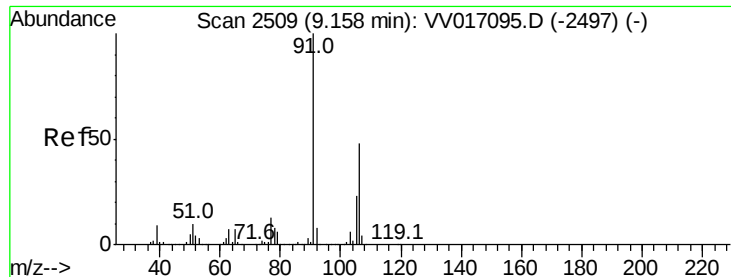
106 30.8 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV017100.D (-2459) (-)

Ion 106.15 (105.85 to 106.85): VV017100.D (-2459) (-)





#55

m,p-xylene

Concen: 0.361 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017100.D

Acq: 25 Jun 2020 03:29

Instrument :

MSVOA_V

ClientSampled :

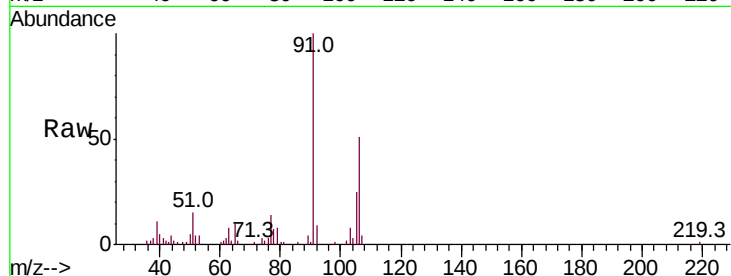
F9L53

Tot Ion:106 Resp: 8057

Ion Ratio Lower Upper

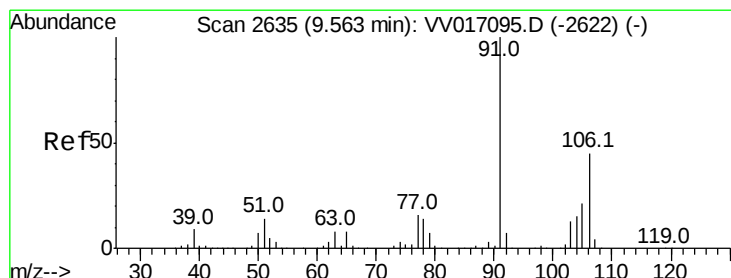
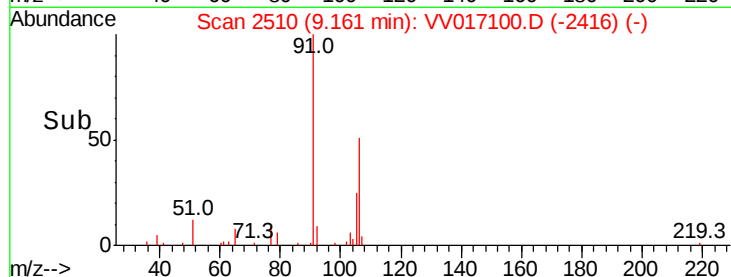
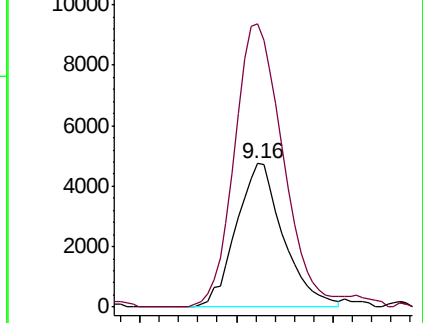
106 100

91 197.5 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.161 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017100.D

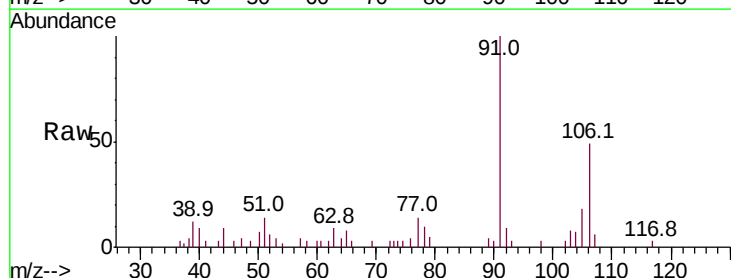
Acq: 25 Jun 2020 03:29

Tgt Ion:106 Resp: 3352

Ion Ratio Lower Upper

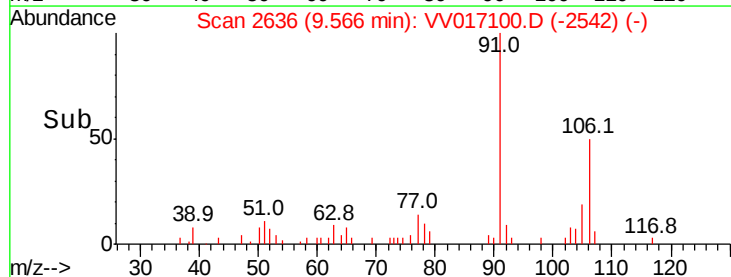
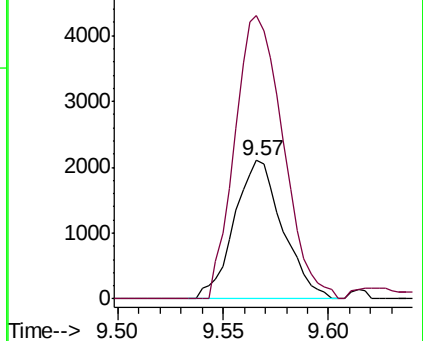
106 100

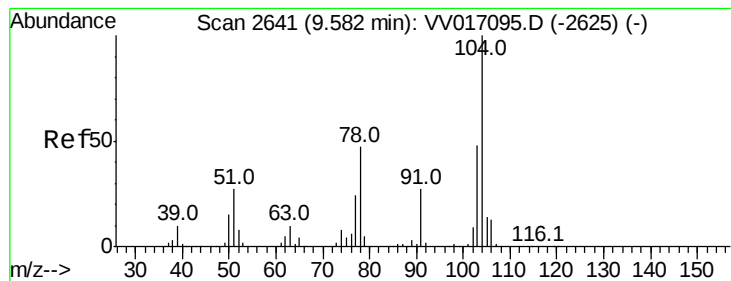
91 204.3 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#57

Stvrene

Concen: 0.077 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.01 min

Lab File: VV017100.D

Acq: 25 Jun 2020 03:29

Instrument :

MSVOA_V

ClientSampleId :

F9L53

Tot Ion:104 Resp: 2658

Ion Ratio Lower Upper

104 100

78 55.7 33.9 62.9

