

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
 Data File : VV017108.D
 Acq On : 25 Jun 2020 06:41
 Operator : SY/MD
 Sample : L3102-12
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9L61

Quant Time: Jun 25 07:31:10 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	181872	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	173033	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	82610	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35252	3.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.60%
7) Chloroethane-d5	1.58	69	30225	3.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.20%
11) 1,1-Dichloroethene-d2	2.13	63	56982	2.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.80%#
20) 2-Butanone-d5	3.93	46	115580	41.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.10%
24) Chloroform-d	4.38	84	98550	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	5.06	65	53703	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	5.07	84	183658	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
36) 1,2-Dichloropropane-d6	6.10	67	54515	4.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.20%
41) Toluene-d8	7.34	98	158923	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.40%
45) trans-1,3-Dichloropropene-	7.64	79	19800	3.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.80%
48) 2-Hexanone-d5	8.11	63	80713	37.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.70%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39734	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	66131	4.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.60%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	1132	0.092 ug/L	95
5) Vinyl chloride	1.32	62	38351	3.214 ug/L	98
8) Chloroethane	1.60	64	841	0.128 ug/L	90
13) Acetone	2.21	43	13620	9.685 ug/L	94
14) Carbon disulfide	2.31	76	1483	0.057 ug/L #	64
17) Methyl tert-butyl Ether	2.78	73	1549	0.071 ug/L #	83
27) 1,2-Dichloroethane	5.17	62	810	0.057 ug/L #	76
30) Cyclohexane	4.70	56	63770	3.233 ug/L	98
33) Benzene	5.13	78	8119	0.179 ug/L	100
35) Methylcyclohexane	6.10	83	14077	0.682 ug/L #	17
37) 1,2-Dichloropropane	6.10	63	7079	0.631 ug/L #	87
42) Toluene	7.41	91	10530	0.200 ug/L	100
49) Tetrachloroethene	8.00	164	1374	0.129 ug/L	82
50) 2-Hexanone	8.11	43	11943	2.591 ug/L #	70
54) Ethylbenzene	9.04	91	7414	0.132 ug/L	99
55) m,p-xylene	9.16	106	11912	0.540 ug/L	90
56) o-xylene	9.56	106	8318	0.404 ug/L	100

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

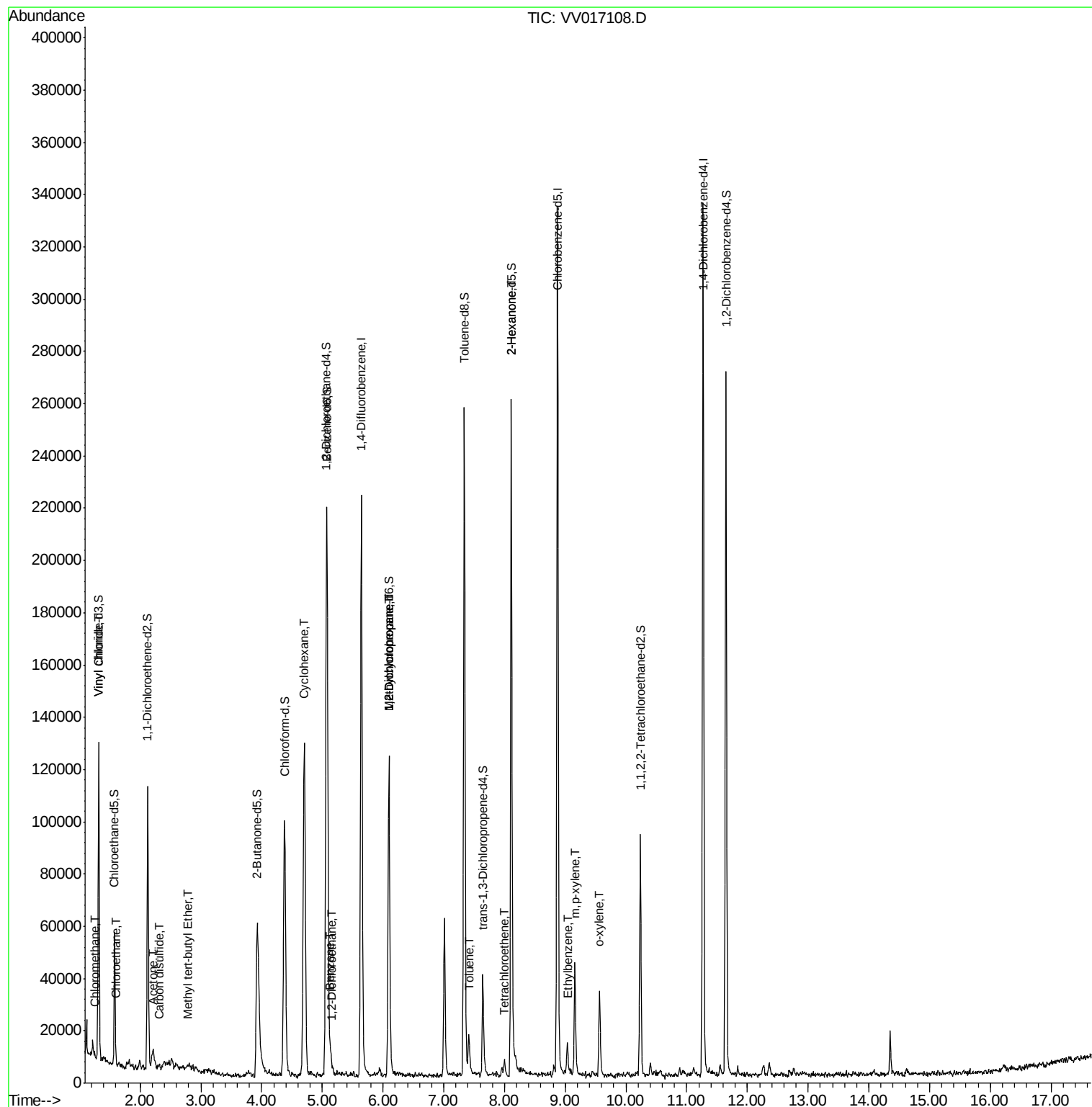
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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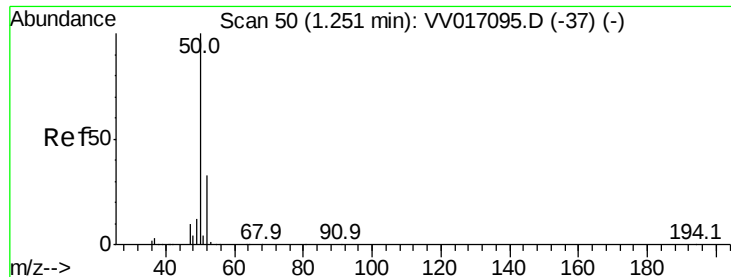
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.092 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017108.D

Acq: 25 Jun 2020 06:41

Instrument :

MSVOA_V

ClientSampled :

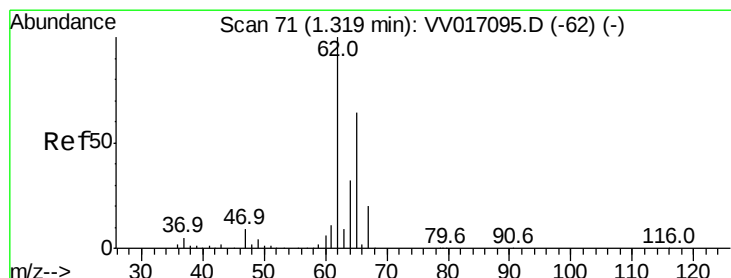
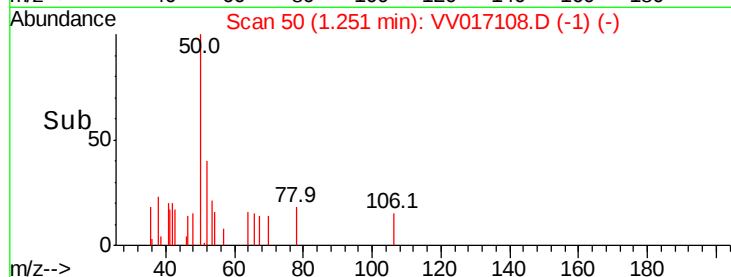
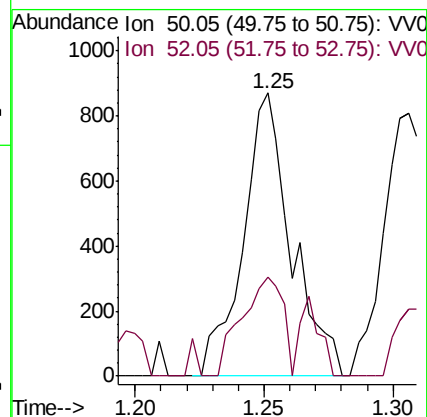
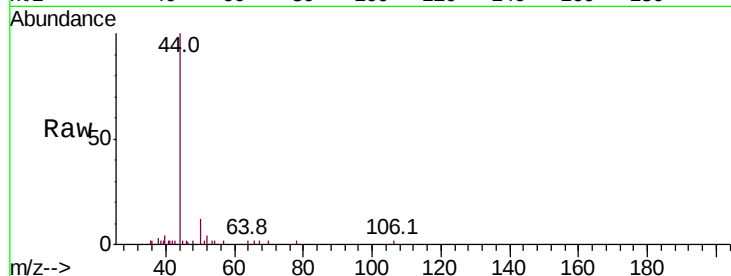
F9L61

Tot Ion: 50 Resp: 1132

Ion Ratio Lower Upper

50 100

52 34.8 22.5 41.9



#5

Vinyl chloride

Concen: 3.214 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017108.D

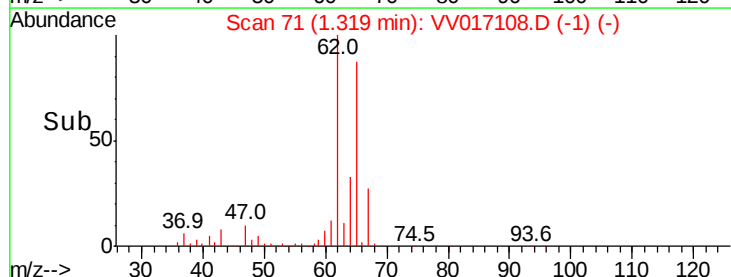
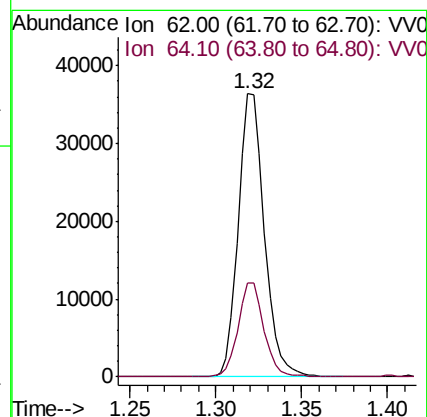
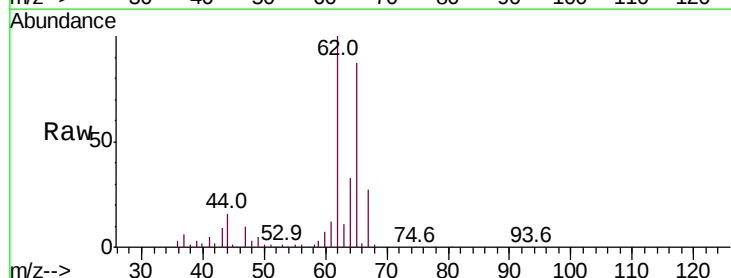
Acq: 25 Jun 2020 06:41

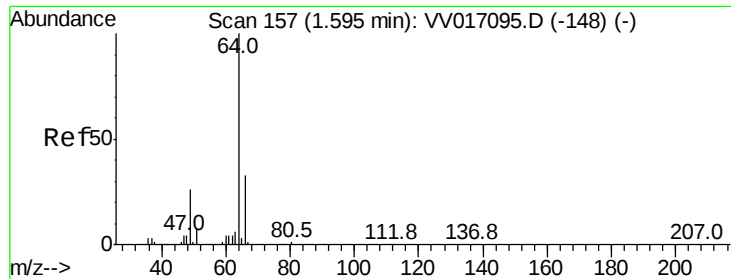
Tgt Ion: 62 Resp: 38351

Ion Ratio Lower Upper

62 100

64 33.4 22.5 41.7





#8

Chloroethane

Concen: 0.128 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.01 min

Lab File: VV017108.D

Acq: 25 Jun 2020 06:41

Instrument :

MSVOA_V

ClientSampled :

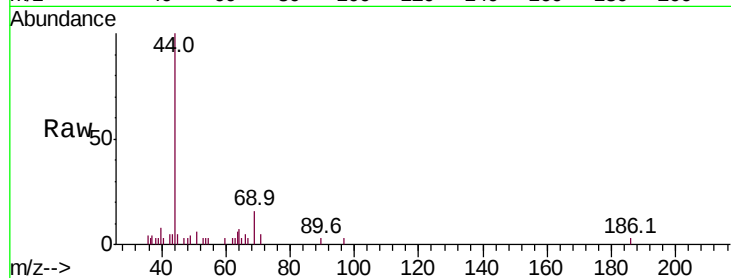
F9L61

Tot Ion: 64 Resp: 841

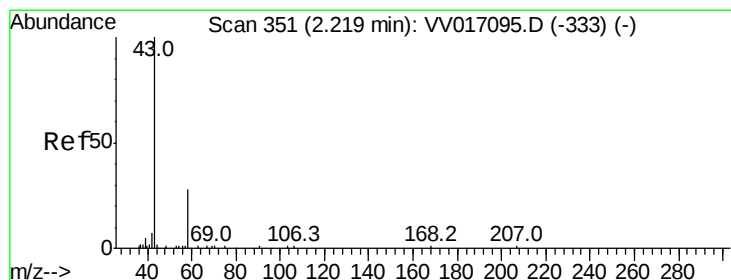
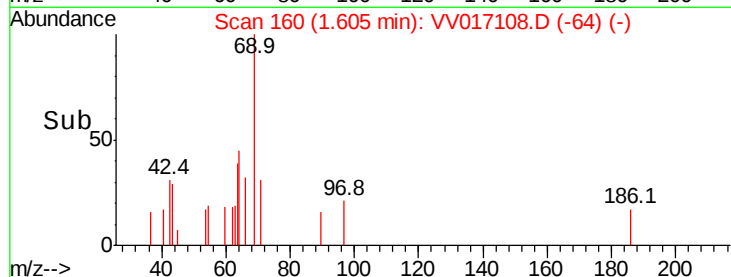
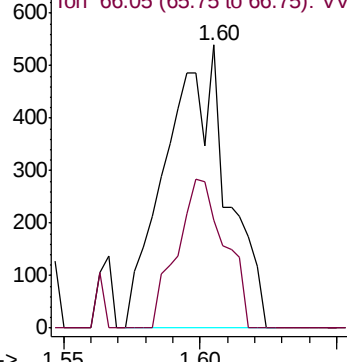
Ion Ratio Lower Upper

64 100

66 38.4 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV017108.D (-148) (-)



#13

Acetone

Concen: 9.685 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV017108.D

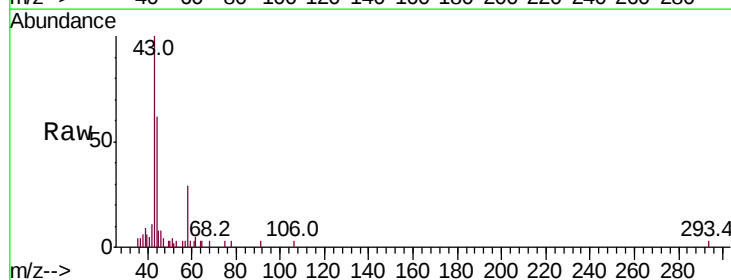
Acq: 25 Jun 2020 06:41

Tgt Ion: 43 Resp: 13620

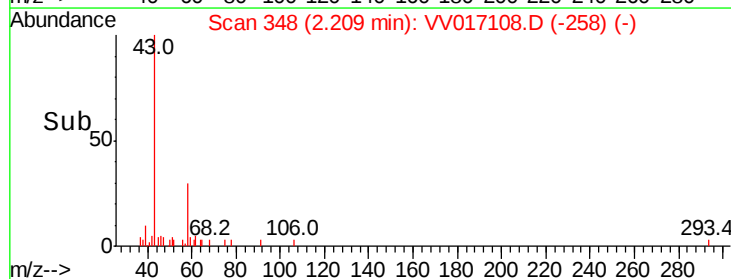
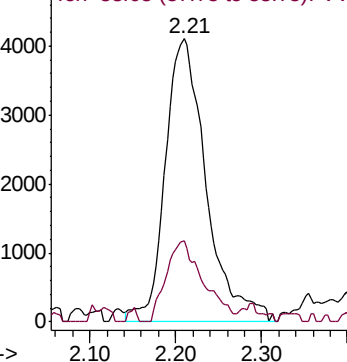
Ion Ratio Lower Upper

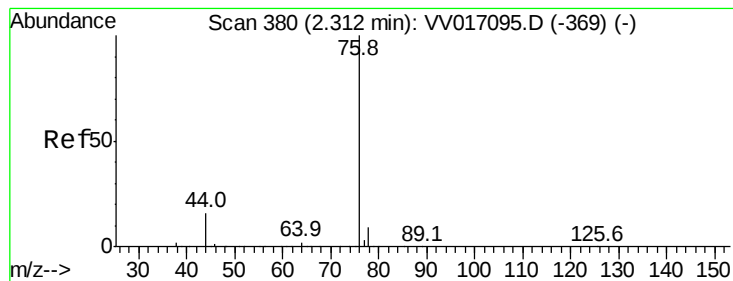
43 100

58 25.9 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV017108.D (-333) (-)





#14

Carbon disulfide

Concen: 0.057 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017108.D

Acq: 25 Jun 2020 06:41

Instrument :

MSVOA_V

ClientSampled :

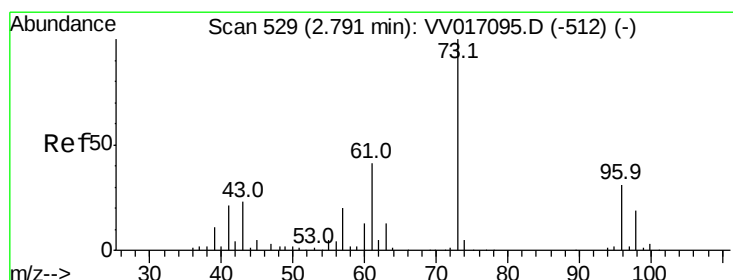
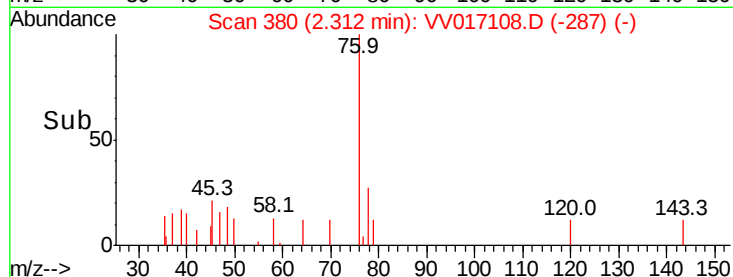
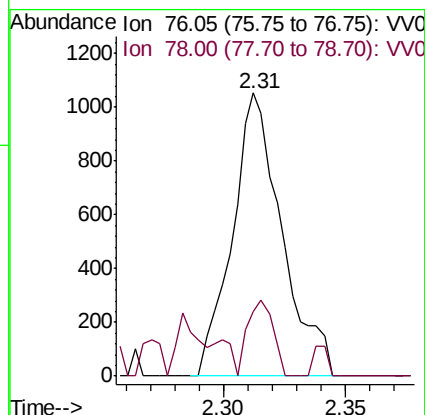
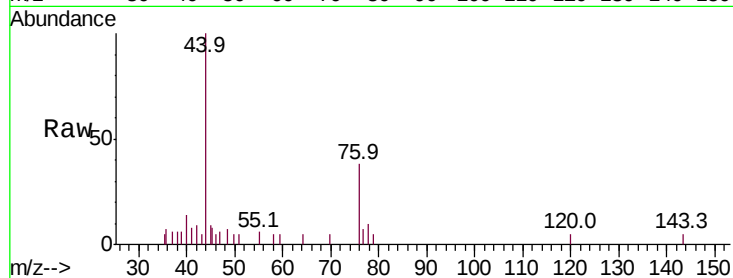
F9L61

Tot Ion: 76 Resp: 1483

Ion Ratio Lower Upper

76 100

78 22.9 7.7 11.5#



#17

Methyl tert-butyl Ether

Concen: 0.071 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.01 min

Lab File: VV017108.D

Acq: 25 Jun 2020 06:41

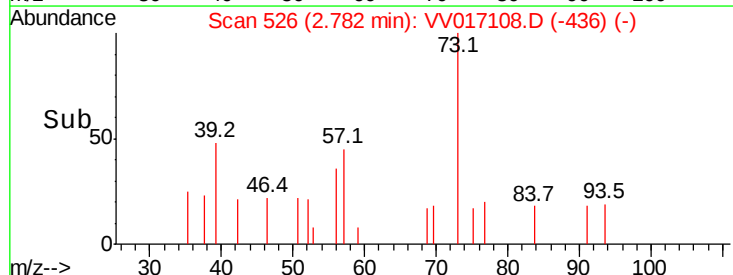
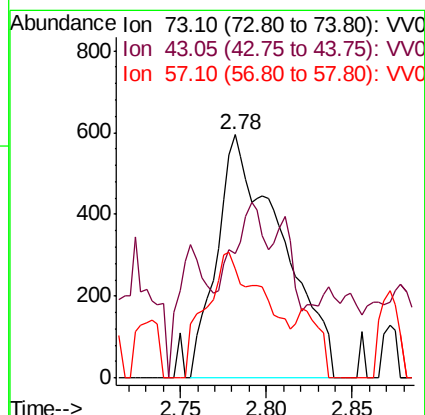
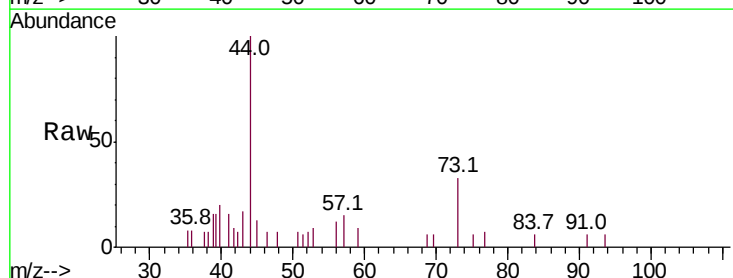
Tgt Ion: 73 Resp: 1549

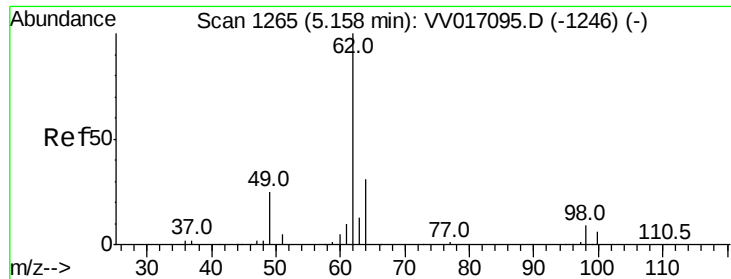
Ion Ratio Lower Upper

73 100

43 15.9 18.6 28.0#

57 29.7 16.4 24.6#

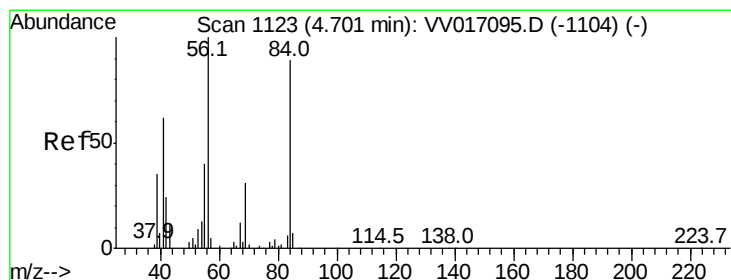
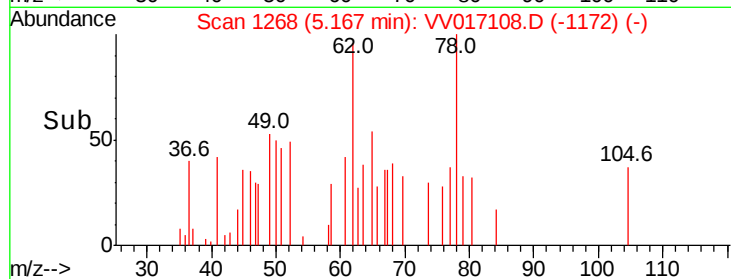
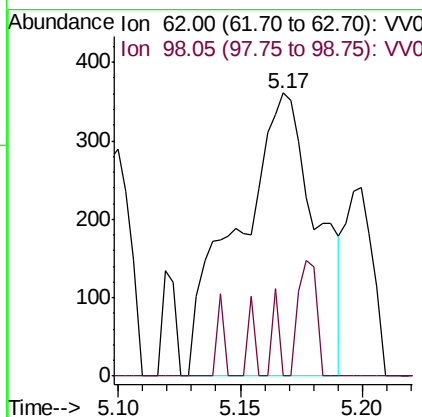
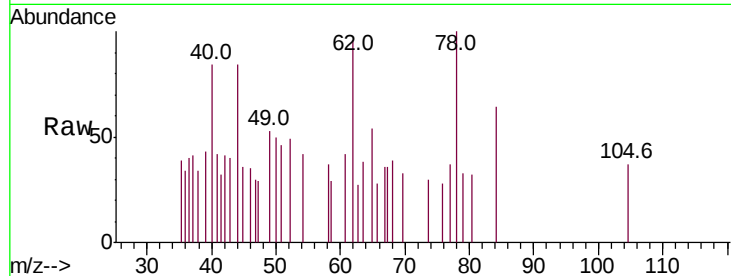




#27
 1,2-Dichloroethane
 Concen: 0.057 ug/L
 RT: 5.17 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VV017108.D
 Acq: 25 Jun 2020 06:41

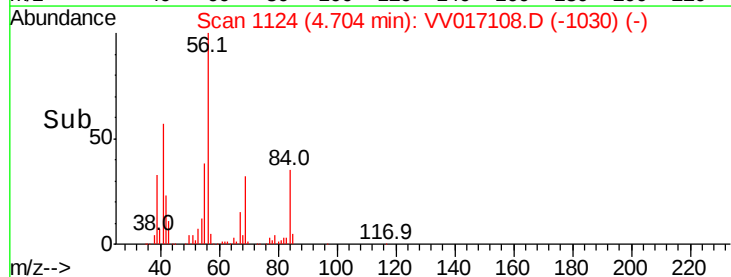
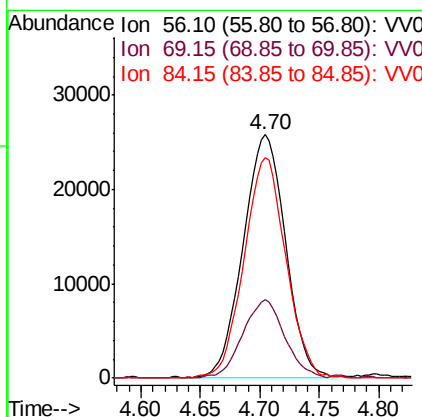
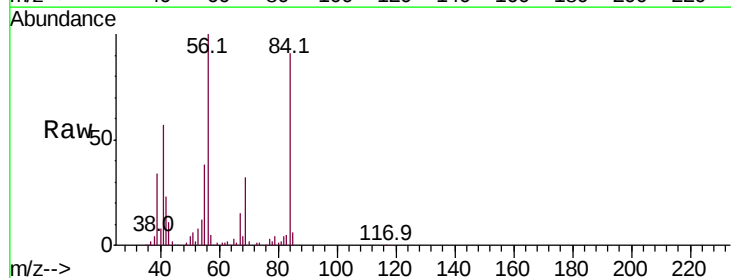
Instrument :
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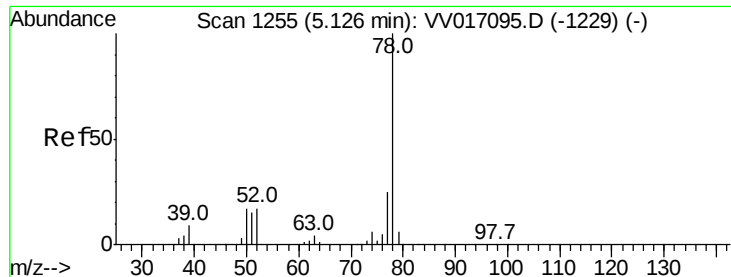
Tot Ion: 62 Resp: 810
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#



#30
 Cyclohexane
 Concen: 3.233 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV017108.D
 Acq: 25 Jun 2020 06:41

Tgt Ion: 56 Resp: 63770
 Ion Ratio Lower Upper
 56 100
 69 31.8 24.4 36.6
 84 89.4 69.9 104.9

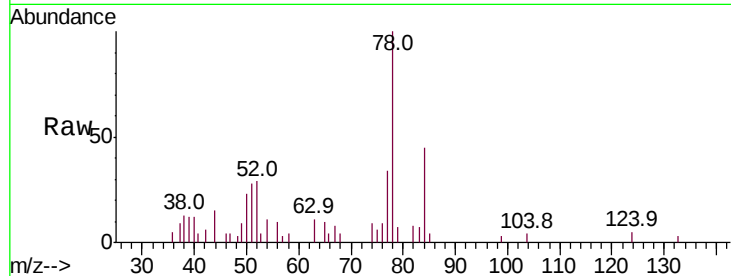




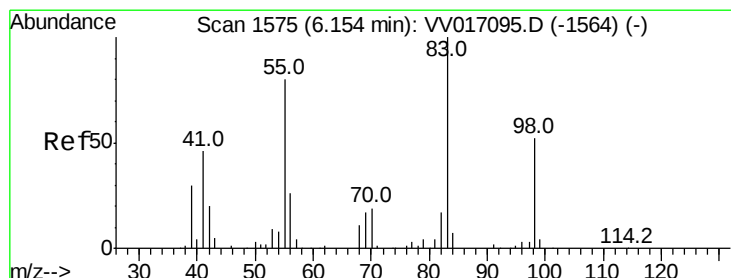
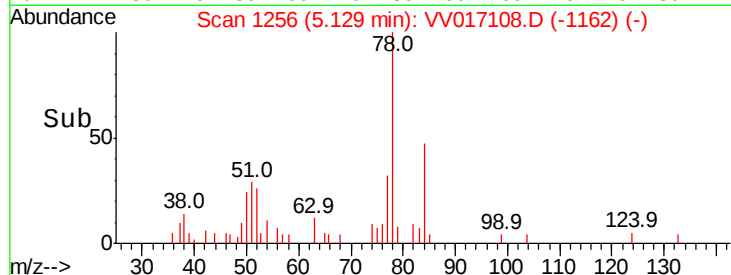
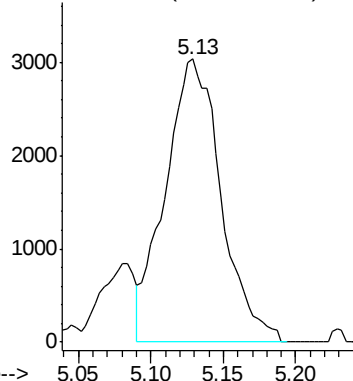
#33
Benzene
Concen: 0.179 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV017108.D
Acq: 25 Jun 2020 06:41

Instrument :
MSVOA_V
ClientSampled :
F9L61

Tgt Ion: 78 Resp: 8119

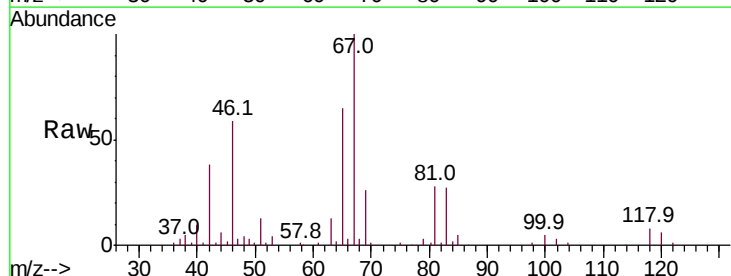


Abundance Ion 78.10 (77.80 to 78.80): VV0



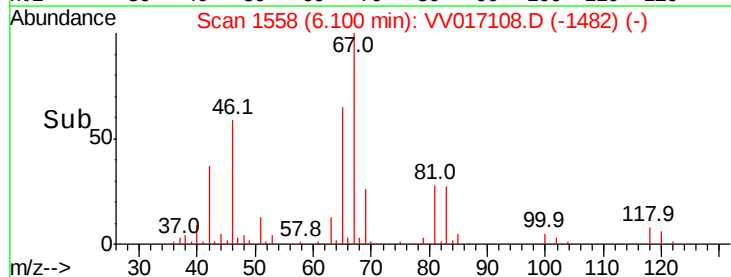
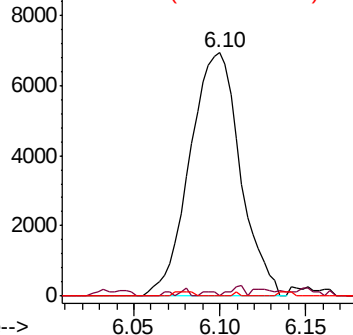
#35
Methylcyclohexane
Concen: 0.682 ug/L
RT: 6.10 min Scan# 1558
Delta R.T. -0.05 min
Lab File: VV017108.D
Acq: 25 Jun 2020 06:41

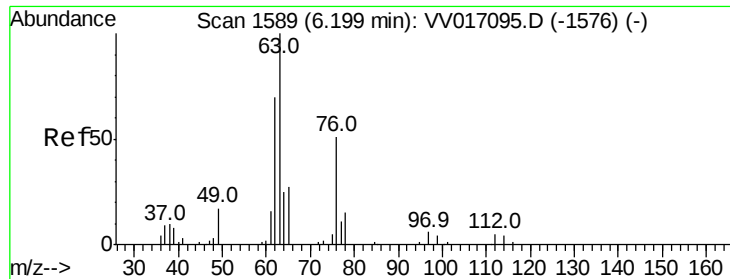
Tgt Ion: 83 Resp: 14077
Ion Ratio Lower Upper
83 100
55 0.5 63.6 95.4#
98 0.0 38.8 58.2#



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: 0.631 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017108.D

Acq: 25 Jun 2020 06:41

Instrument :

MSVOA_V

ClientSampleId :

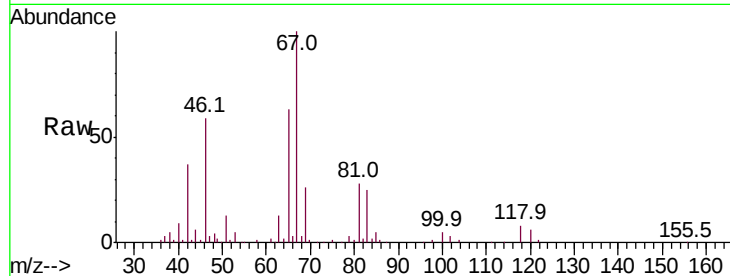
F9L61

Tot Ion: 63 Resp: 7079

Ion Ratio Lower Upper

63 100

112 1.3 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV017108.D (-1496) (-)

Ion 112.10 (111.80 to 112.80): VV017108.D (-1496) (-)

6.10

4000

3000

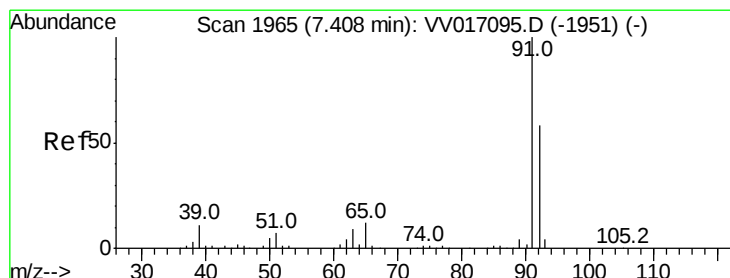
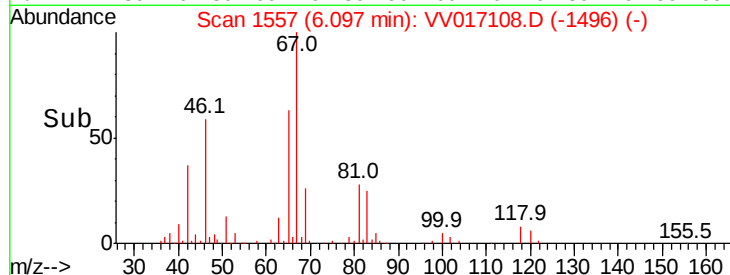
2000

1000

0

6.05 6.10 6.15

Time-->



#42

Toluene

Concen: 0.200 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017108.D

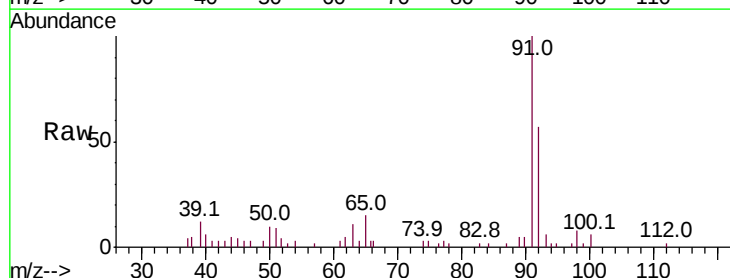
Acq: 25 Jun 2020 06:41

Tgt Ion: 91 Resp: 10530

Ion Ratio Lower Upper

91 100

92 57.2 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017108.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV017108.D (-1872) (-)

7.41

6000

5000

4000

3000

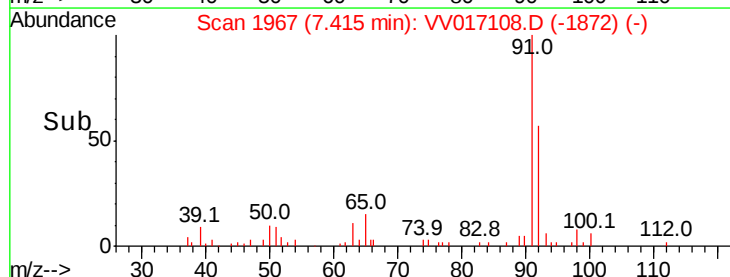
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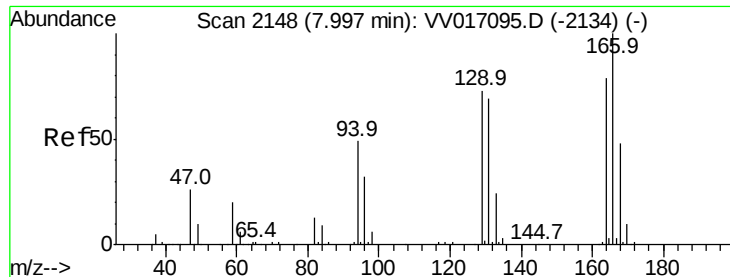
1000

0

7.35 7.40 7.45

Time-->





#49

Tetrachloroethene

Concen: 0.129 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV017108.D

Acq: 25 Jun 2020 06:41

Instrument :

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ClientSampleId :

F9L61

Tot Ion:164 Resp: 1374

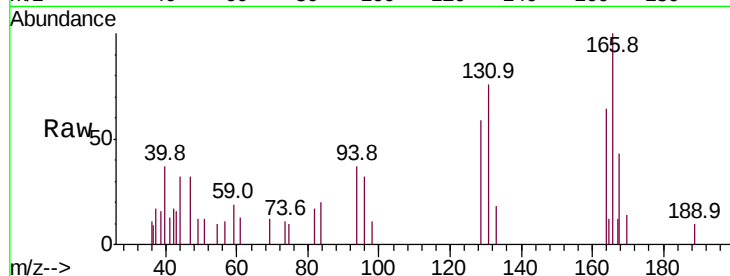
Ion Ratio Lower Upper

164 100

129 91.8 65.2 121.0

131 118.6 64.1 119.1

166 155.2 90.2 167.4

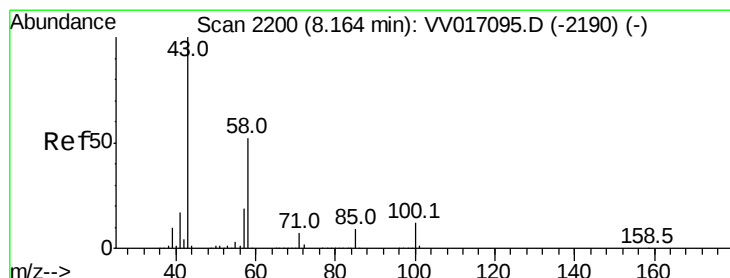
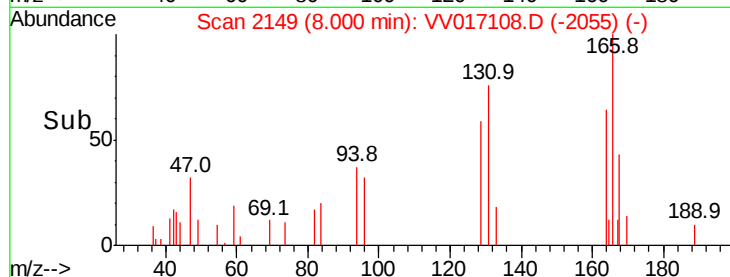
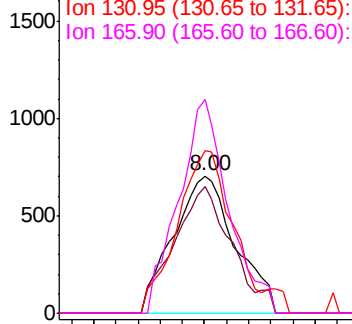


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 2.591 ug/L

RT: 8.11 min Scan# 2183

Delta R.T. -0.05 min

Lab File: VV017108.D

Acq: 25 Jun 2020 06:41

Tgt Ion: 43 Resp: 11943

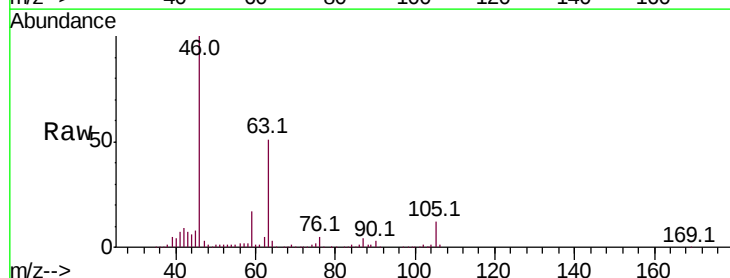
Ion Ratio Lower Upper

43 100

58 29.9 41.6 62.4#

57 30.9 15.4 23.0#

100 1.9 10.1 15.1#

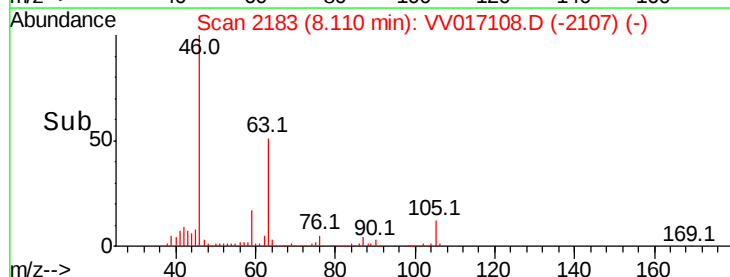
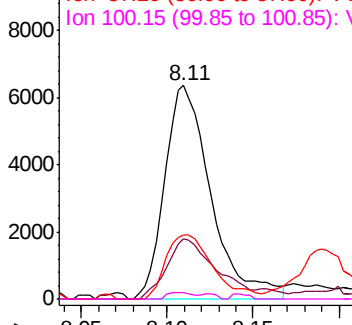


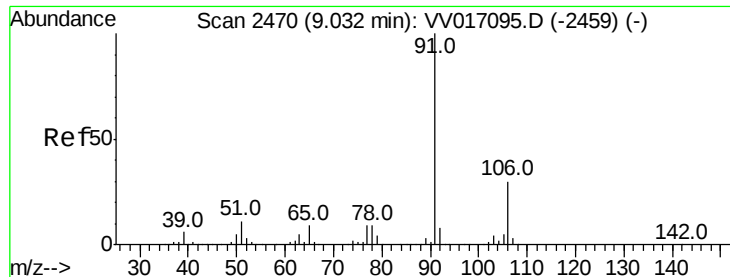
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#54

Ethylbenzene

Concen: 0.132 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017108.D

Acq: 25 Jun 2020 06:41

Instrument :

MSVOA_V

ClientSampleId :

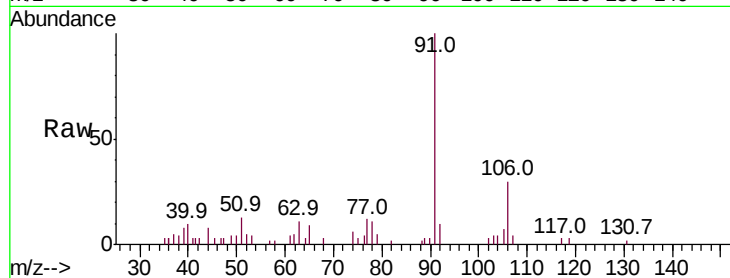
F9L61

Tot Ion: 91 Resp: 7414

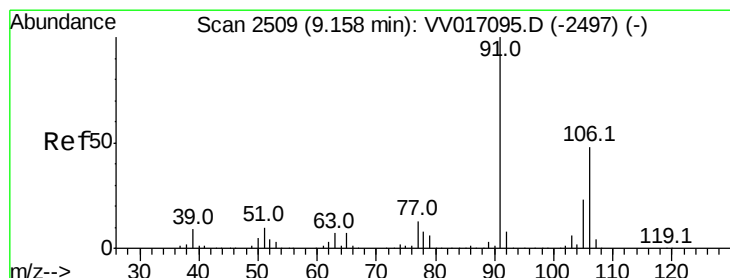
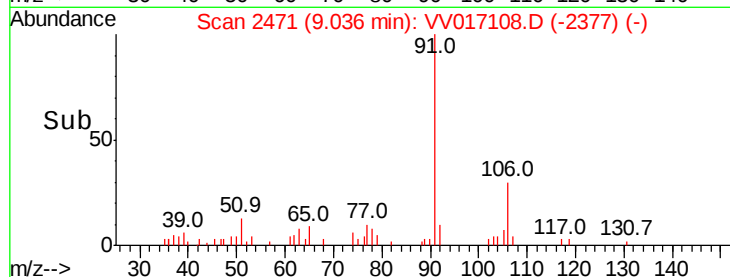
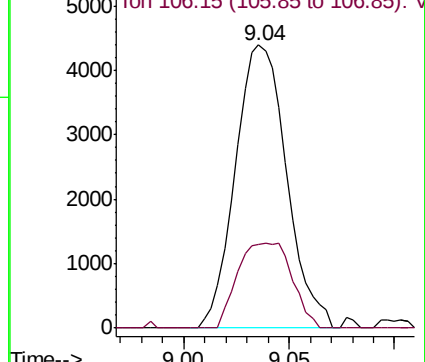
Ion Ratio Lower Upper

91 100

106 29.8 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV017108.D (-2377) (-)



#55

m,p-xylene

Concen: 0.540 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017108.D

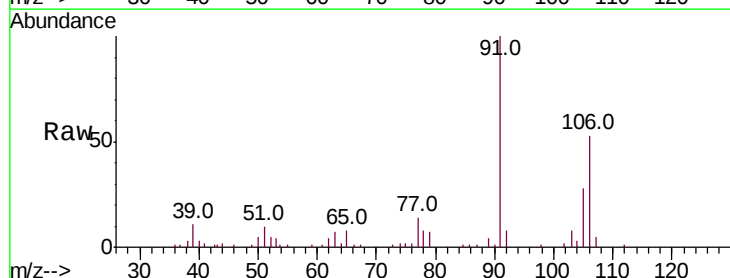
Acq: 25 Jun 2020 06:41

Tgt Ion: 106 Resp: 11912

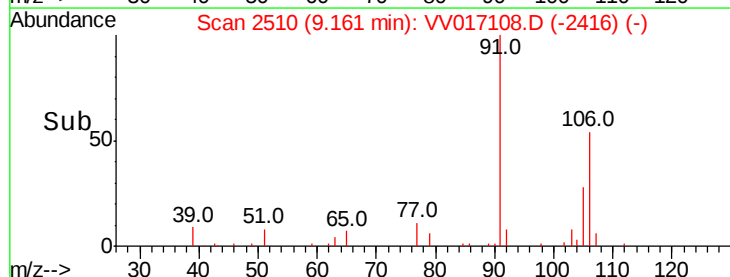
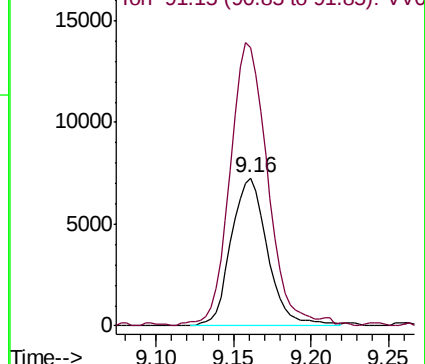
Ion Ratio Lower Upper

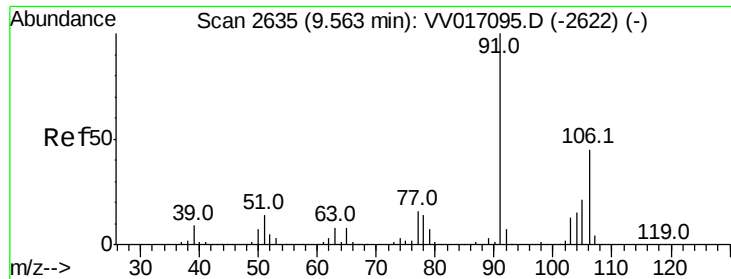
106 100

91 188.0 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): VV017108.D (-2416) (-)





#56
 o-xylene
 Concen: 0.404 ug/L
 RT: 9.56 min Scan# 2635
 Delta R.T. 0.00 min
 Lab File: VV017108.D
 Acq: 25 Jun 2020 06:41

Instrument :
 MSVOA_V
 ClientSampleId :
 F9L61

Tot Ion:106 Resp: 8318
 Ion Ratio Lower Upper
 106 100
 91 219.7 153.6 285.2

