

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018793.D
 Acq On : 09 Oct 2020 04:35
 Operator : SY/MD
 Sample : L4239-08 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3N9

Quant Time: Oct 09 07:35:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 07:31:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	307543	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	298653	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	156466	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	137215	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.20%
7) Chloroethane-d5	1.58	69	113190	50.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.64%
11) 1,1-Dichloroethene-d2	2.12	63	205741	38.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.38%
21) 2-Butanone-d5	3.90	46	183001	106.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.66%
24) Chloroform-d	4.37	84	233493	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
26) 1,2-Dichloroethane-d4	5.05	65	170097	50.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.80%
32) Benzene-d6	5.07	84	466585	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.08%
36) 1,2-Dichloropropane-d6	6.09	67	151139	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.46%
41) Toluene-d8	7.34	98	420179	49.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.50%
43) trans-1,3-Dichloropropene-	7.64	79	72036	47.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.04%
47) 2-Hexanone-d5	8.11	63	112493	102.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.41%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	170310	47.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	169301	48.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.78%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1918	0.868	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	2904	1.364	ug/L #	1
19) 1,1-Dichloroethane	3.22	63	3093	0.701	ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	91963	38.730	ug/L	97
29) Cyclohexane	4.70	56	19798	5.474	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	277214	69.644	ug/L	100
31) Carbon tetrachloride	4.63	117	34468	10.274	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	4413	1.200	ug/L #	59
42) Toluene	7.41	91	3477049	357.276	ug/L	98
46) Tetrachloroethene	8.00	164	1503	0.752	ug/L	87
48) 2-Hexanone	8.11	43	14905	5.582	ug/L #	70
52) Ethylbenzene	9.04	91	57416	5.195	ug/L	99
53) m,p-Xylene	9.16	106	78353	19.314	ug/L	99
54) o-xylene	9.57	106	45431	11.791	ug/L	98
56) Isopropylbenzene	9.95	105	8128	0.762	ug/L	98
69) Naphthalene	13.53	128	37483	4.282	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Fri Oct 09 07:31:27 2020
Response via : Initial Calibration

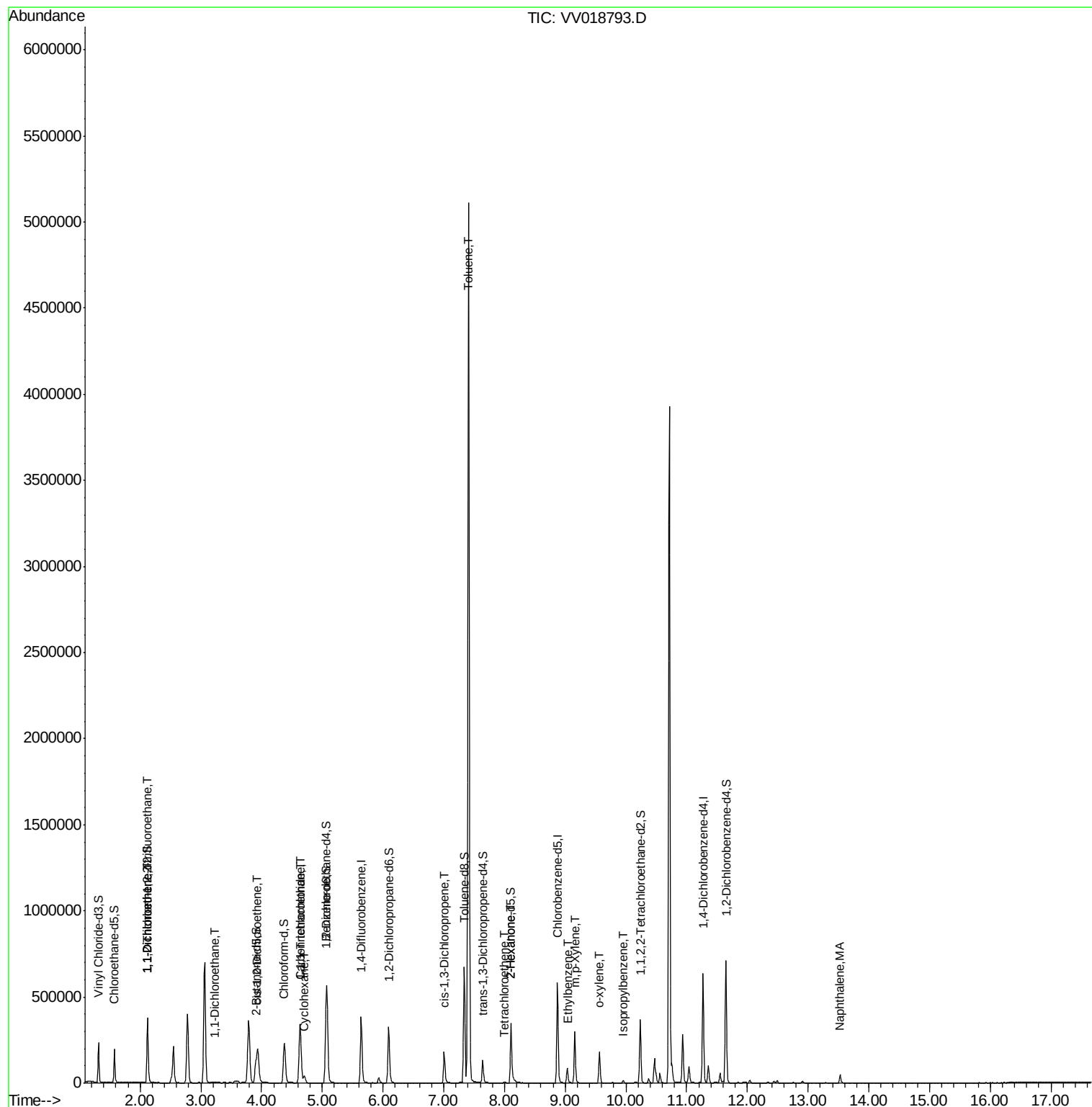
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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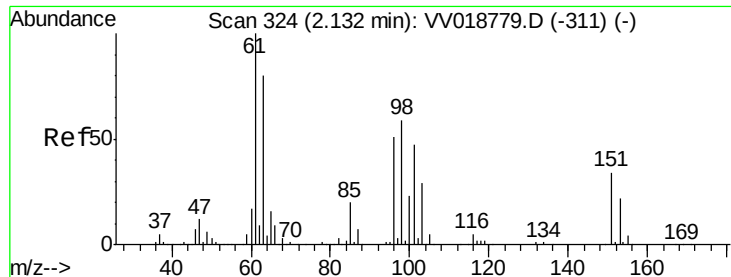
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.868 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018793.D

Acq: 09 Oct 2020 04:35

Instrument :

MSVOA_V

ClientSampleId :

BG3N9

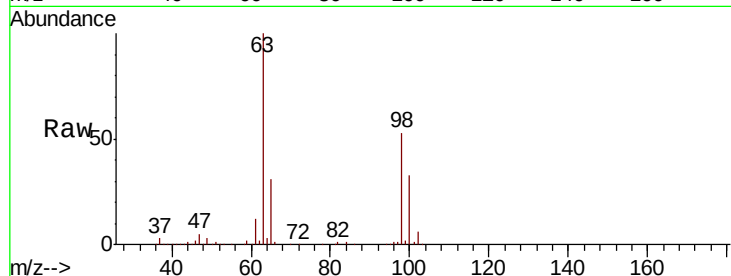
Tot Ion:101 Resp: 1918

Ion Ratio Lower Upper

101 100

85 2.1 35.9 53.9#

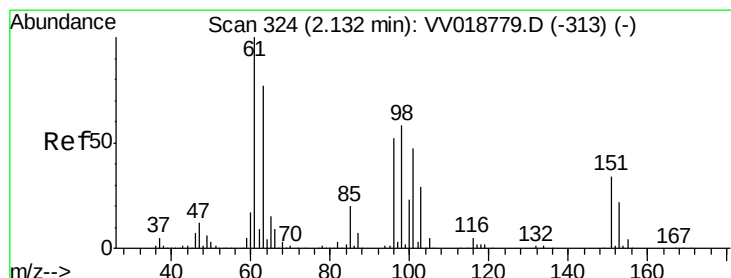
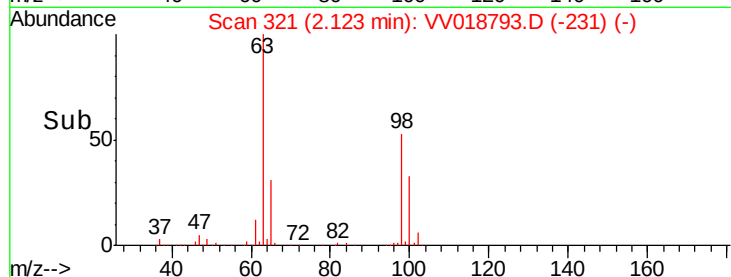
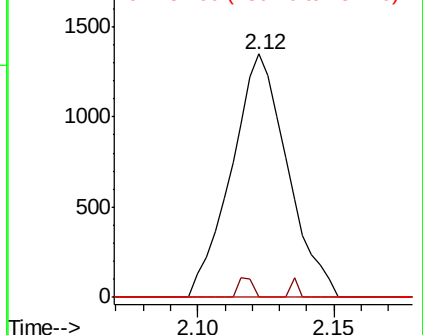
151 0.0 59.8 89.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.364 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV018793.D

Acq: 09 Oct 2020 04:35

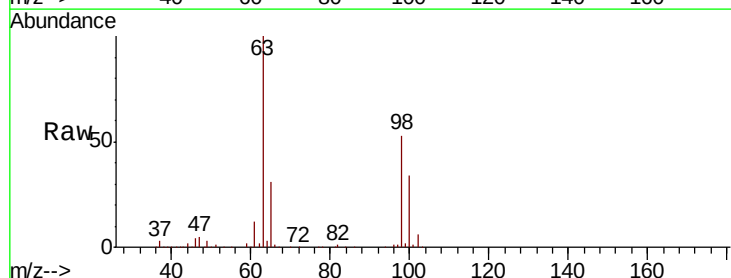
Tgt Ion: 96 Resp: 2904

Ion Ratio Lower Upper

96 100

61 997.5 133.6 248.0#

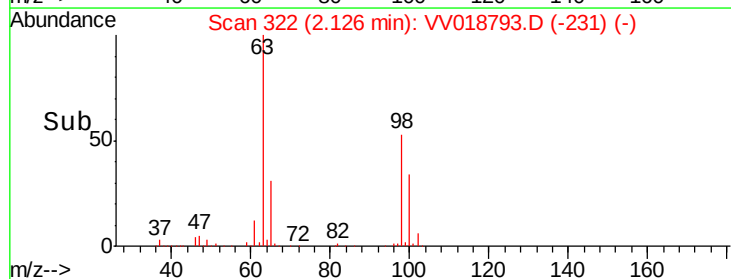
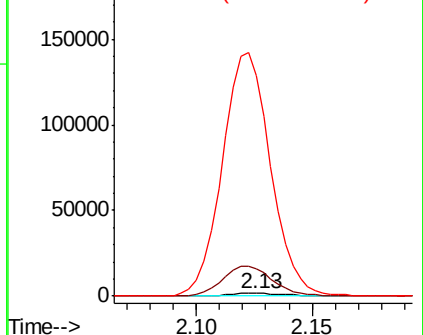
63 8057.9 108.4 201.4#

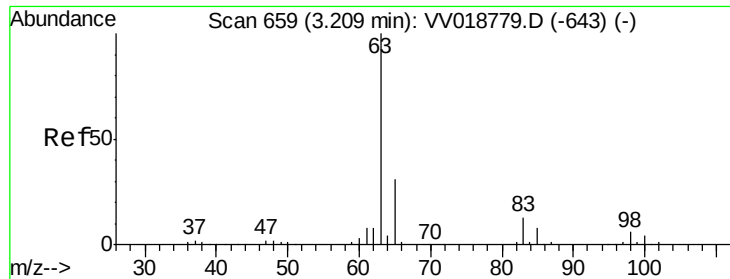


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

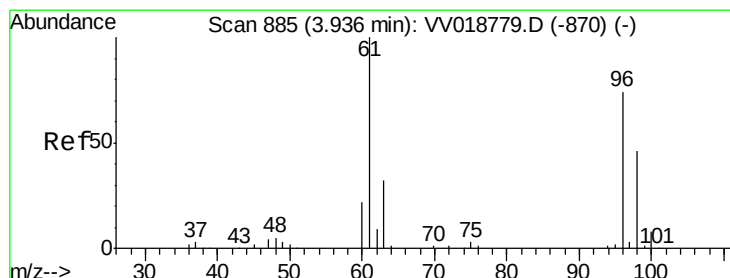
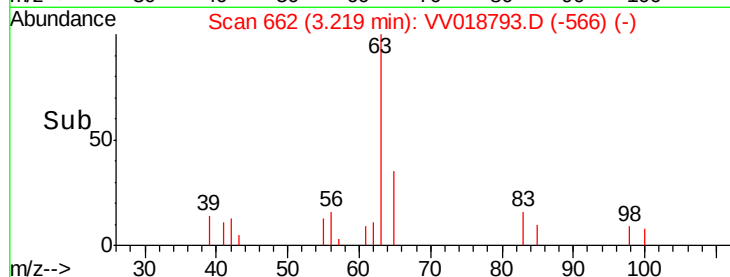
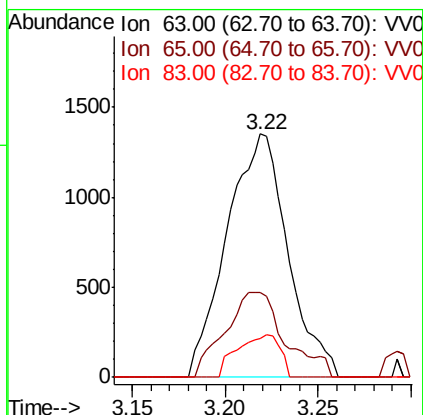
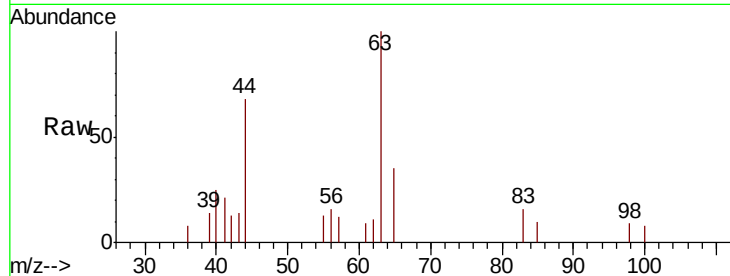




#19
 1,1-Dichloroethane
 Concen: 0.701 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. 0.01 min
 Lab File: VV018793.D
 Acq: 09 Oct 2020 04:35

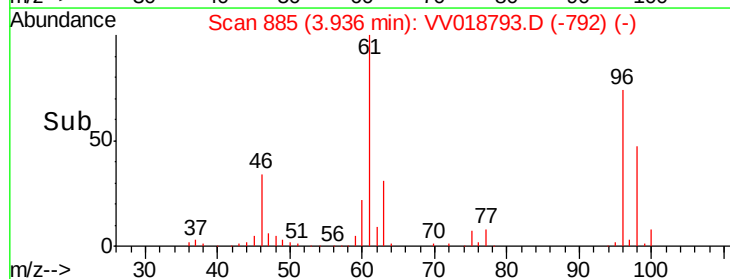
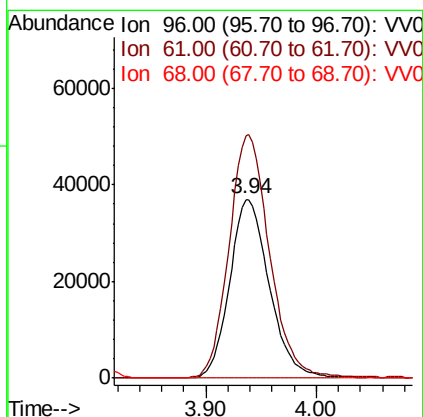
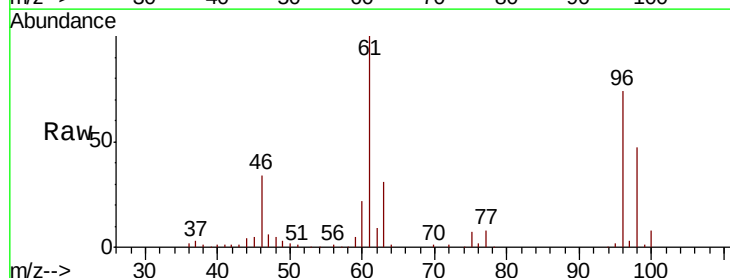
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3N9

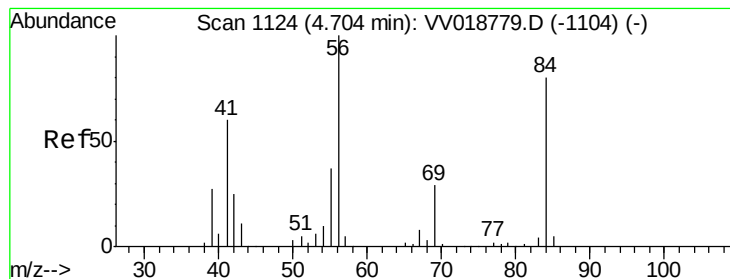
Tot Ion: 63 Resp: 3093
 Ion Ratio Lower Upper
 63 100
 65 34.6 22.0 40.8
 83 15.8 9.2 17.0



#20
 cis-1,2-Dichloroethene
 Concen: 38.730 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018793.D
 Acq: 09 Oct 2020 04:35

Tgt Ion: 96 Resp: 91963
 Ion Ratio Lower Upper
 96 100
 61 135.5 97.3 180.7
 68 0.0 0.0 0.0





#29

Cyclohexane

Concen: 5.474 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018793.D

Acq: 09 Oct 2020 04:35

Instrument :

MSVOA_V

ClientSampleId :

BG3N9

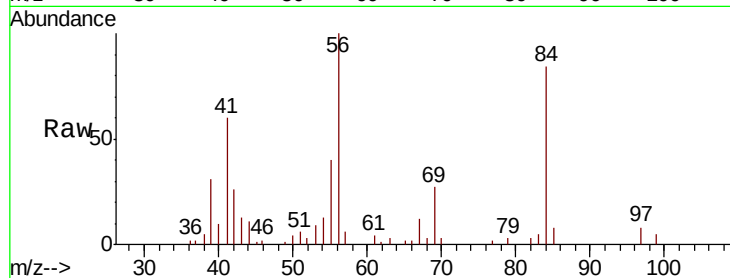
Tot Ion: 56 Resp: 19798

Ion Ratio Lower Upper

56 100

69 28.8 23.1 34.7

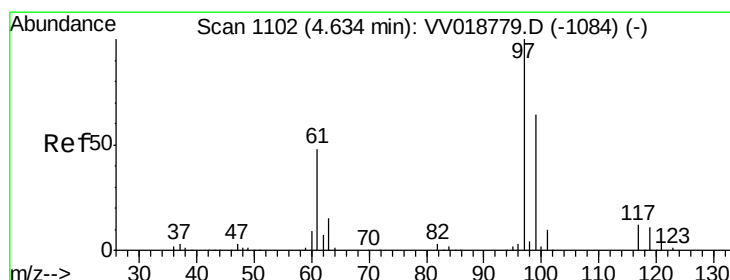
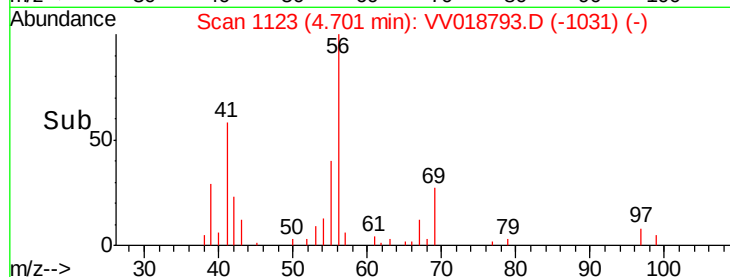
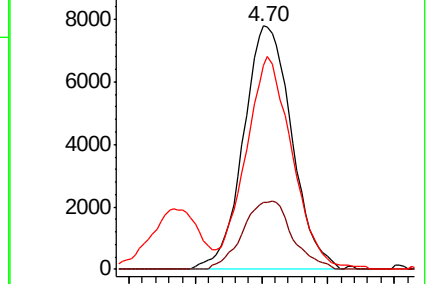
84 80.8 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 69.644 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018793.D

Acq: 09 Oct 2020 04:35

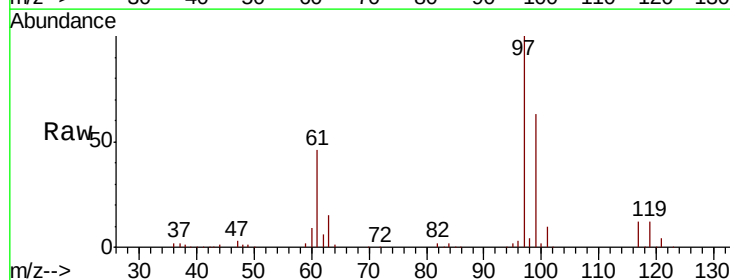
Tgt Ion: 97 Resp: 277214

Ion Ratio Lower Upper

97 100

99 63.6 51.0 76.4

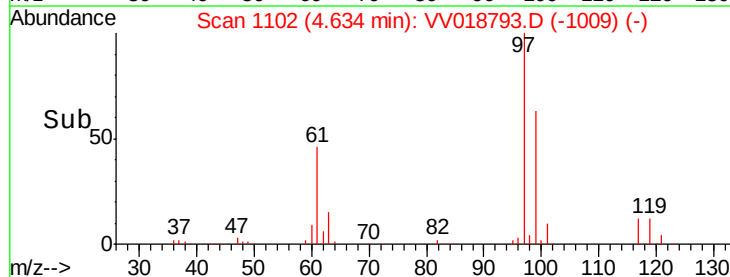
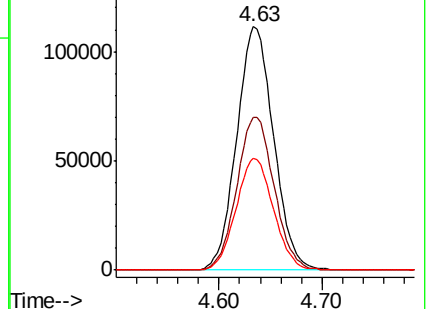
61 46.6 37.0 55.4

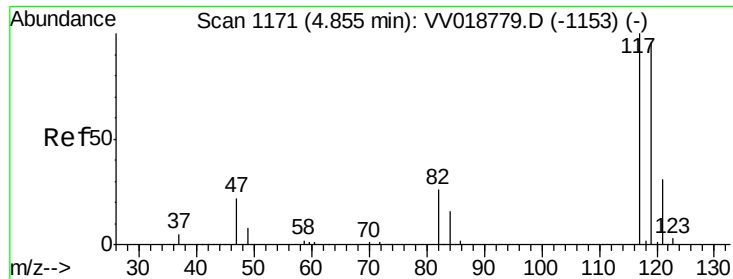


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 10.274 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.23 min

Lab File: VV018793.D

Acq: 09 Oct 2020 04:35

Instrument :

MSVOA_V

ClientSampleId :

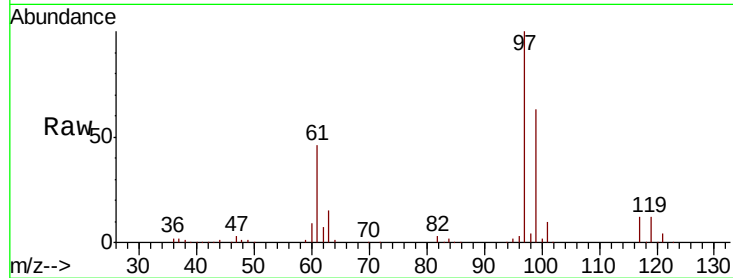
BG3N9

Tot Ion:117 Resp: 34468

Ion Ratio Lower Upper

117 100

119 95.2 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.63

15000

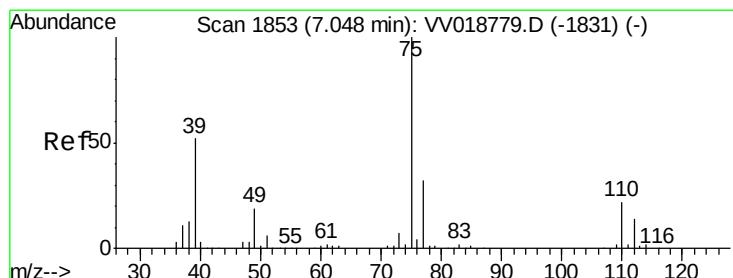
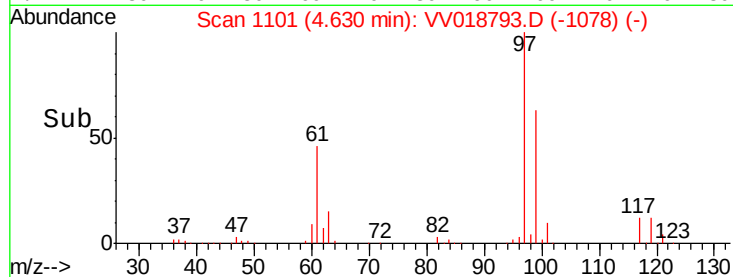
10000

5000

0

Time-->

4.55 4.60 4.65 4.70



#39

cis-1,3-Dichloropropene

Concen: 1.200 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018793.D

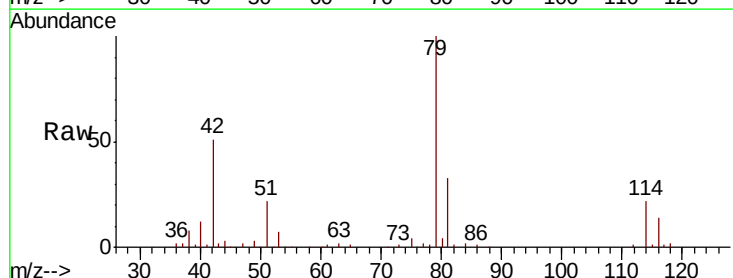
Acq: 09 Oct 2020 04:35

Tgt Ion: 75 Resp: 4413

Ion Ratio Lower Upper

75 100

77 53.8 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.01

2500

2000

1500

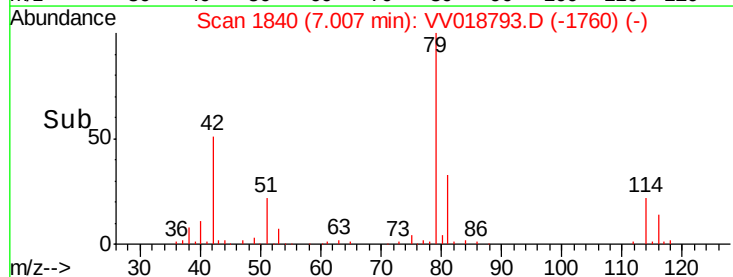
1000

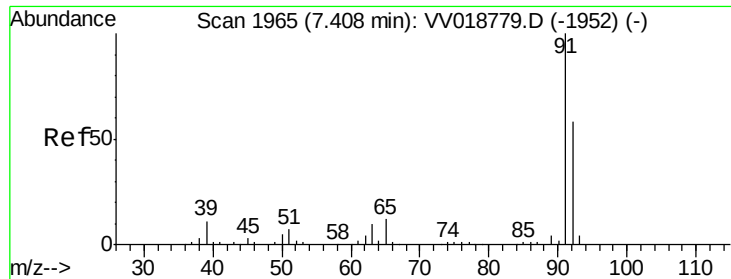
500

0

Time-->

6.95 7.00 7.05





#42

Toluene

Concen: 357.276 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018793.D

Acq: 09 Oct 2020 04:35

Instrument :

MSVOA_V

ClientSampleId :

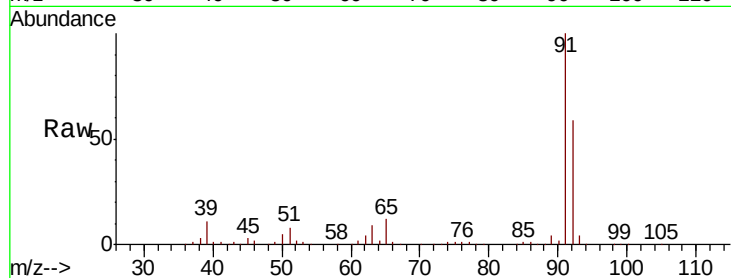
BG3N9

Tot Ion: 91 Resp: 3477049

Ion Ratio Lower Upper

91 100

92 58.7 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV018779.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV018779.D (-1952) (-)

7.41

2000000

1500000

1000000

500000

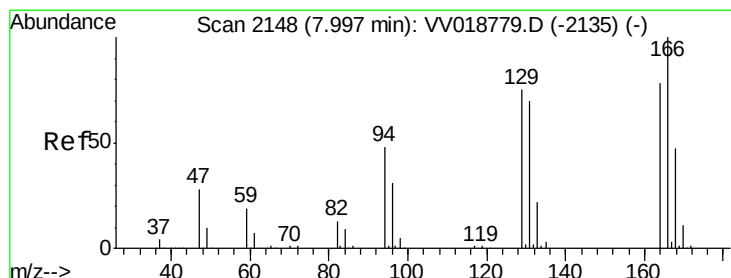
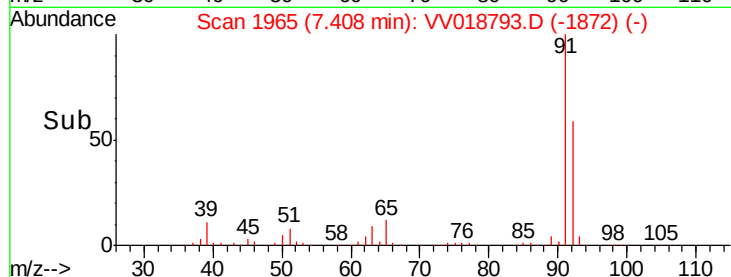
0

Time-->

7.30

7.40

7.50



#46

Tetrachloroethene

Concen: 0.752 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018793.D

Acq: 09 Oct 2020 04:35

Tgt Ion:164 Resp: 1503

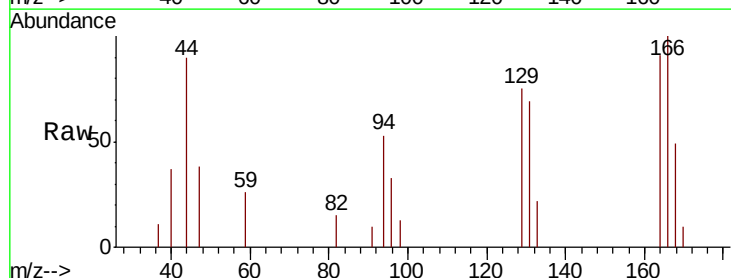
Ion Ratio Lower Upper

164 100

129 82.5 64.6 120.0

131 76.2 63.6 118.0

166 109.9 88.3 164.1



Abundance Ion 164.00 (163.70 to 164.70): VV018779.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV018779.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV018779.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV018779.D (-2135) (-)

1500

1000

500

0

Time-->

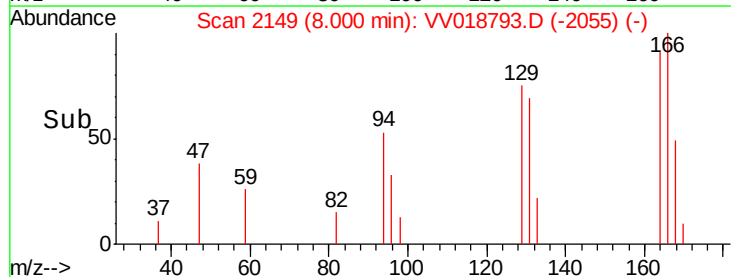
7.96

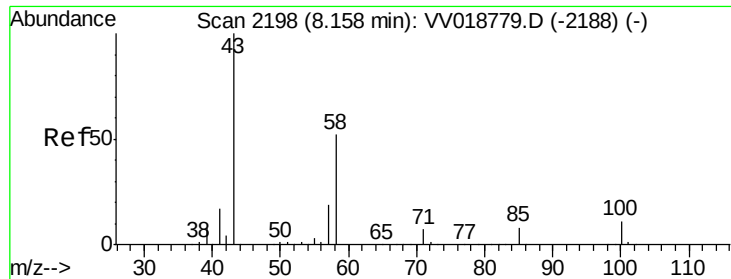
7.98

8.00

8.02

8.04

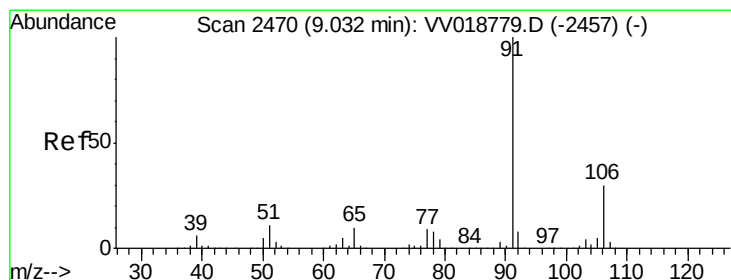
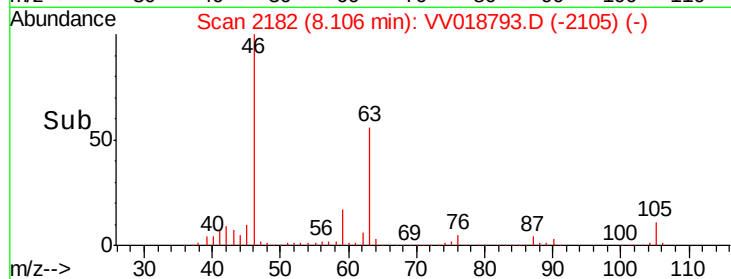
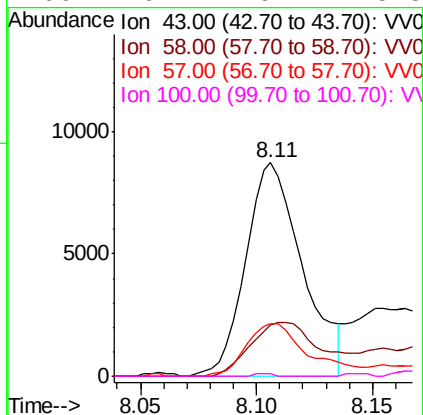
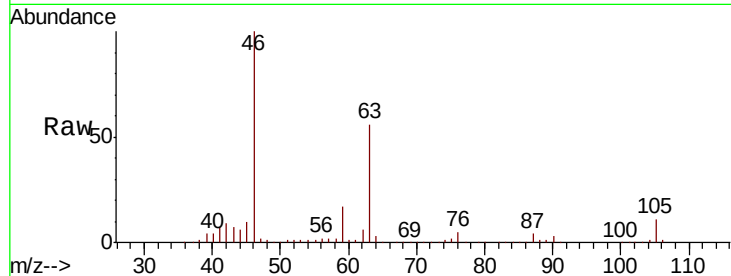




#48
2-Hexanone
Concen: 5.582 ug/L
RT: 8.11 min Scan# 2182
Delta R.T. -0.05 min
Lab File: VV018793.D
Acq: 09 Oct 2020 04:35

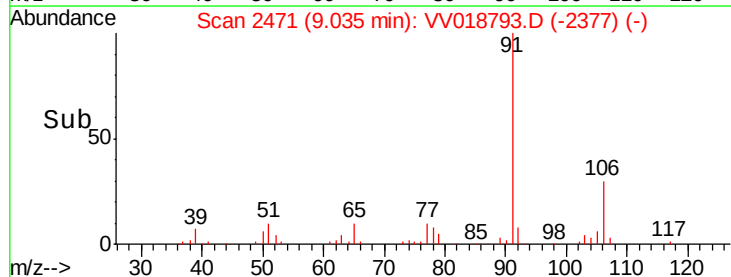
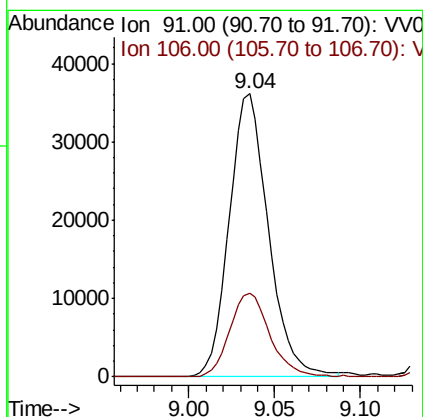
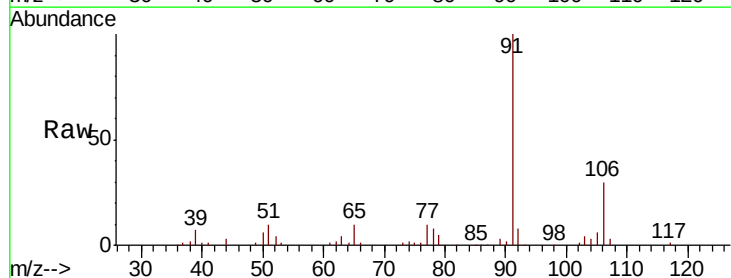
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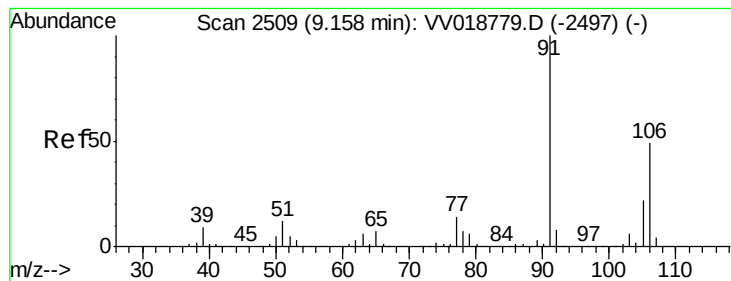
Tot Ion	Ratio	Lower	Upper
43	100		
58	27.8	41.8	62.8#
57	27.3	14.9	22.3#
100	0.4	9.2	13.8#



#52
Ethylbenzene
Concen: 5.195 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV018793.D
Acq: 09 Oct 2020 04:35

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.6	20.9	38.9





#53

m,p-Xylene

Concen: 19.314 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018793.D

Acq: 09 Oct 2020 04:35

Instrument :

MSVOA_V

ClientSampleId :

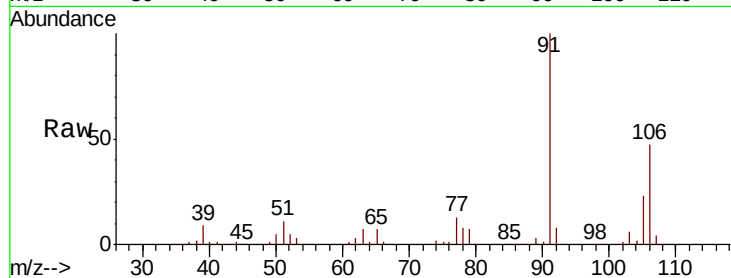
BG3N9

Tot Ion:106 Resp: 78353

Ion Ratio Lower Upper

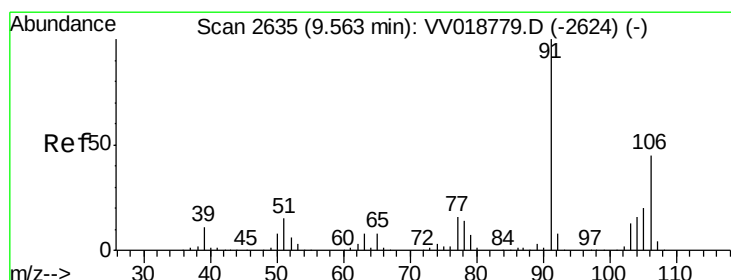
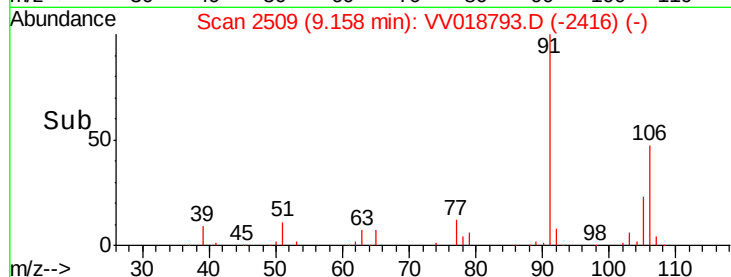
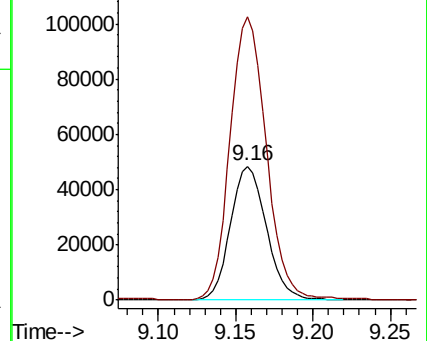
106 100

91 211.4 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 11.791 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018793.D

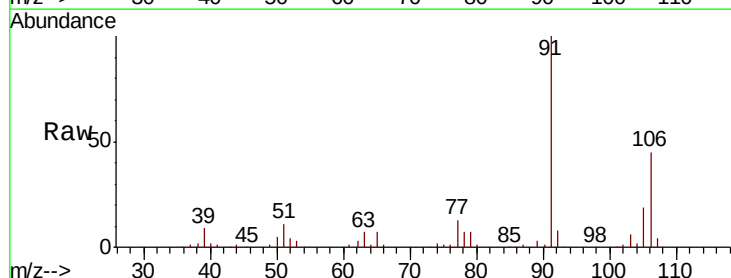
Acq: 09 Oct 2020 04:35

Tgt Ion:106 Resp: 45431

Ion Ratio Lower Upper

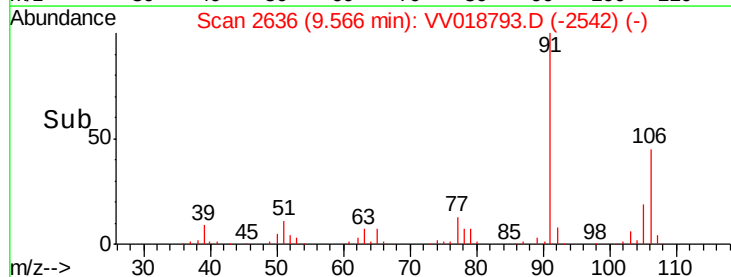
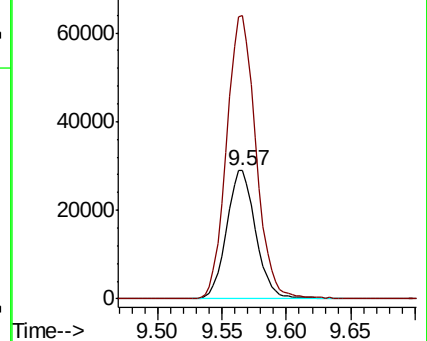
106 100

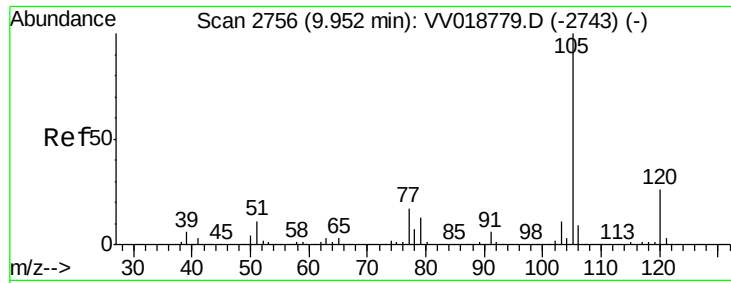
91 220.6 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 0.762 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018793.D

Acq: 09 Oct 2020 04:35

Instrument :

MSVOA_V

ClientSampleId :

BG3N9

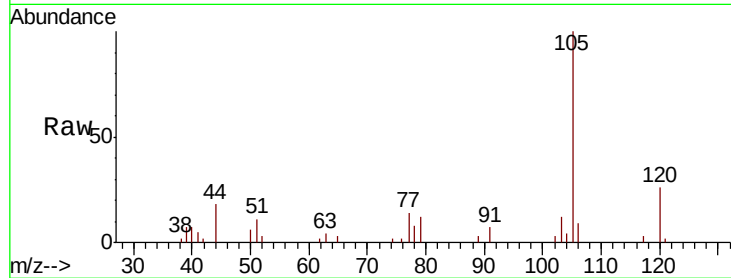
Tot Ion:105 Resp: 8128

Ion Ratio Lower Upper

105 100

120 27.0 20.4 30.6

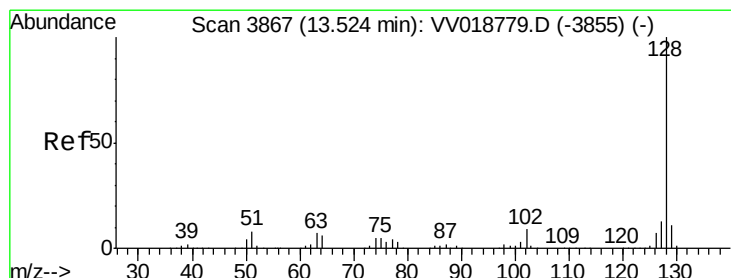
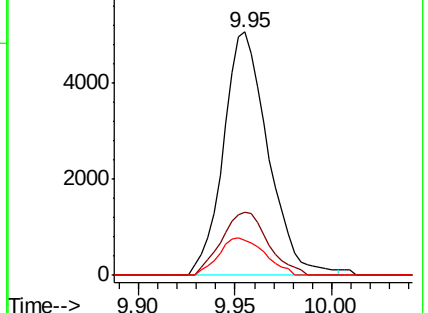
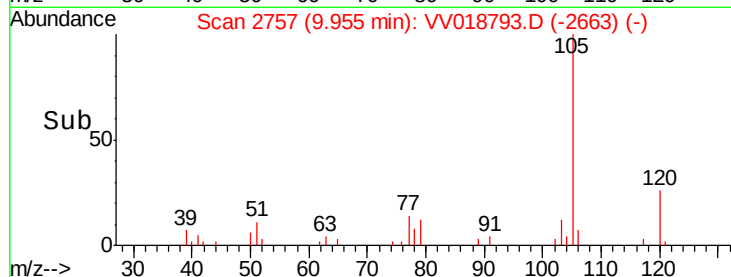
77 15.8 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#69

Naphthalene

Concen: 4.282 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV018793.D

Acq: 09 Oct 2020 04:35

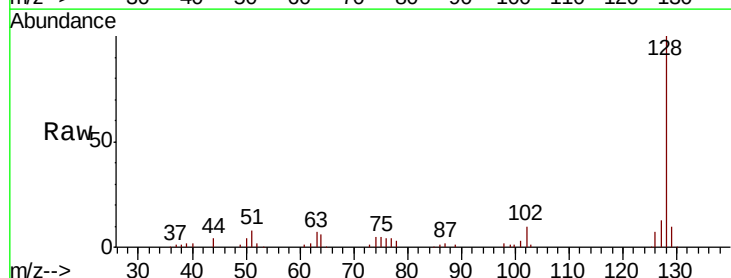
Tgt Ion:128 Resp: 37483

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

