

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV093020\
 Data File : VV018570.D
 Acq On : 30 Sep 2020 15:28
 Operator : SY/MD
 Sample : L4171-14DL 5X
 Misc : 6.13g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Y4DL

Quant Time: Oct 01 07:41:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 01 07:39:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	332776	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	326642	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	183794	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	72471	37.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.26%
7) Chloroethane-d5	1.58	69	73422	45.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.12	63	127717	32.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.24%
21) 2-Butanone-d5	3.92	46	135796	93.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.28%
24) Chloroform-d	4.37	84	175738	41.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.28%
26) 1,2-Dichloroethane-d4	5.06	65	121042	45.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.36%
32) Benzene-d6	5.07	84	347082	41.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.90%
36) 1,2-Dichloropropane-d6	6.09	67	109702	43.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.76%
41) Toluene-d8	7.34	98	328689	42.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.46%
43) trans-1,3-Dichloropropene-	7.64	79	55858	41.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.72%
47) 2-Hexanone-d5	8.11	63	92693	97.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.62%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	154962	46.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	159043	45.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

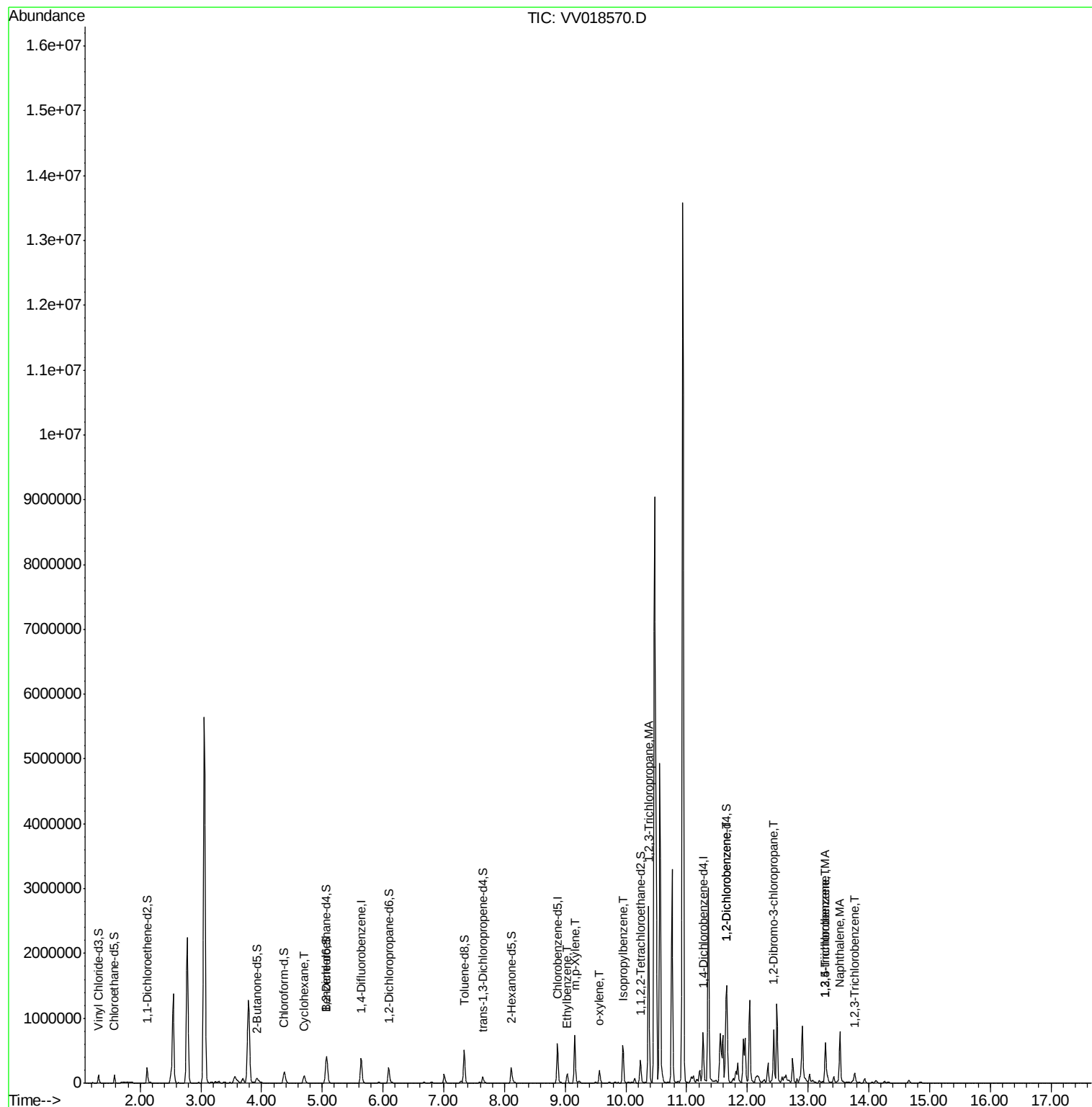
					Ovalue
29) Cyclohexane	4.70	56	58152	15.609	ug/L 100
52) Ethylbenzene	9.04	91	95772	8.261	ug/L 99
53) m,p-Xylene	9.16	106	202374	45.169	ug/L 99
54) o-xylene	9.57	106	49647	11.704	ug/L 97
56) Isopropylbenzene	9.95	105	361640	31.789	ug/L 99
59) 1,2,3-Trichloropropane	10.37	75	12769	4.264	ug/L # 1
65) 1,2-Dichlorobenzene	11.67	146	12872	2.187	ug/L 95
66) 1,2-Dibromo-3-chloropropan	12.43	75	3279	4.082	ug/L # 1
67) 1,3,5-Trichlorobenzene	13.28	180	140265	34.043	ug/L 98
68) 1,2,4-trichlorobenzene	13.28	180	140265	36.584	ug/L 98
69) Naphthalene	13.52	128	589113	53.677	ug/L 100
70) 1,2,3-Trichlorobenzene	13.77	180	43175	11.218	ug/L 97

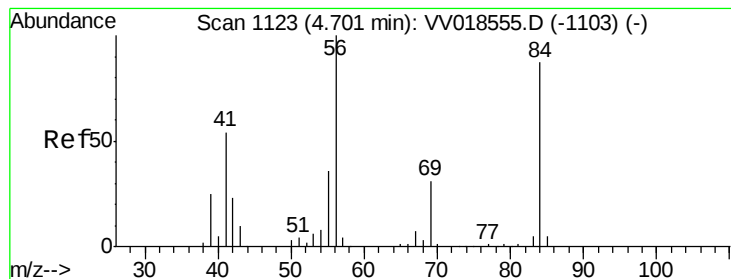
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 01 07:41:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 01 07:39:17 2020
Response via : Initial Calibration





#29

Cyclohexane

Concen: 15.609 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018570.D

Acq: 30 Sep 2020 15:28

Instrument :

MSVOA_V

ClientSampleId :

BG3Y4DL

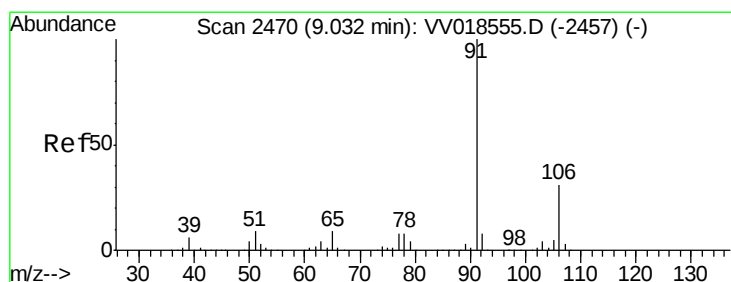
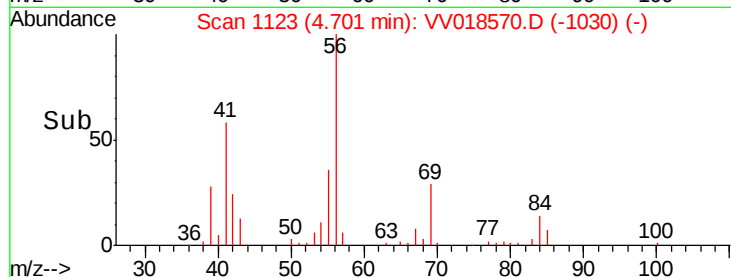
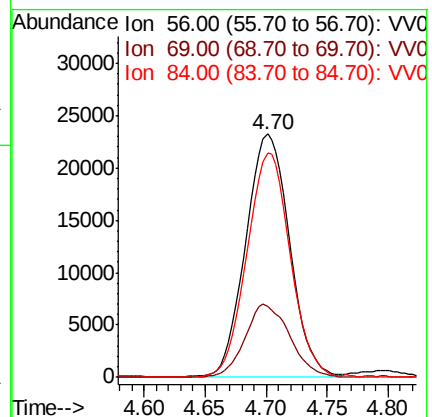
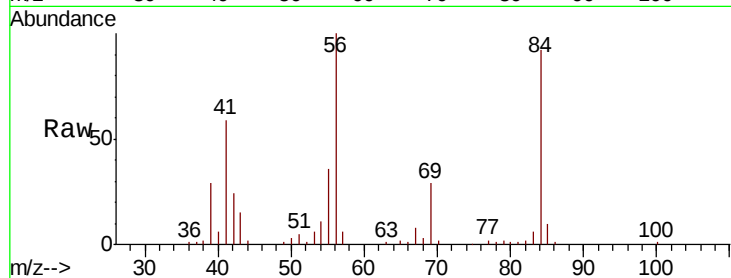
Tot Ion: 56 Resp: 58152

Ion Ratio Lower Upper

56 100

69 30.5 24.8 37.2

84 90.5 72.2 108.4



#52

Ethylbenzene

Concen: 8.261 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018570.D

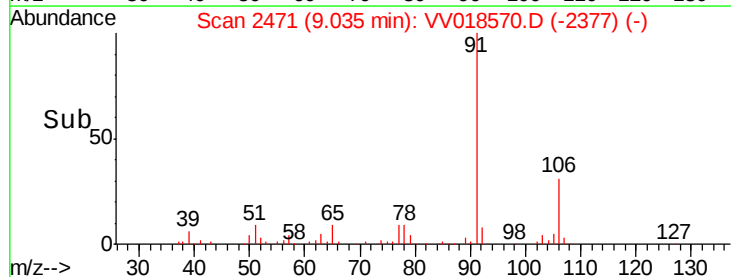
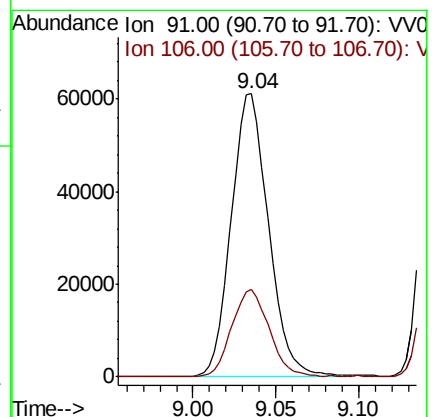
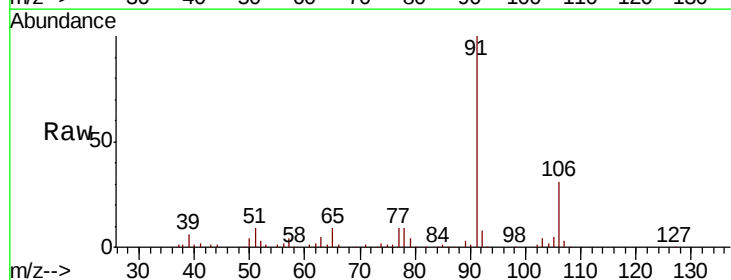
Acq: 30 Sep 2020 15:28

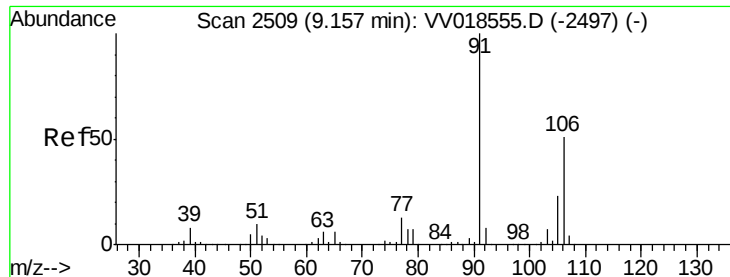
Tgt Ion: 91 Resp: 95772

Ion Ratio Lower Upper

91 100

106 30.8 21.9 40.7





#53

m,p-Xylene

Concen: 45.169 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018570.D

Acq: 30 Sep 2020 15:28

Instrument :

MSVOA_V

ClientSampled :

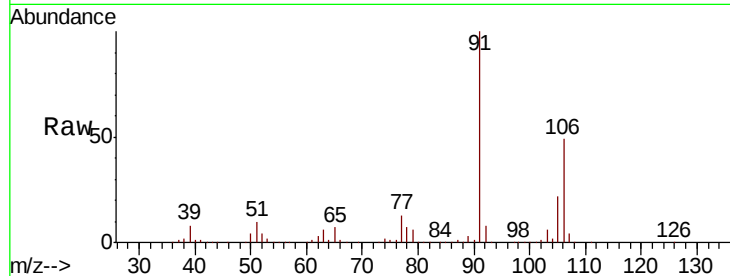
BG3Y4DL

Tot Ion:106 Resp: 202374

Ion Ratio Lower Upper

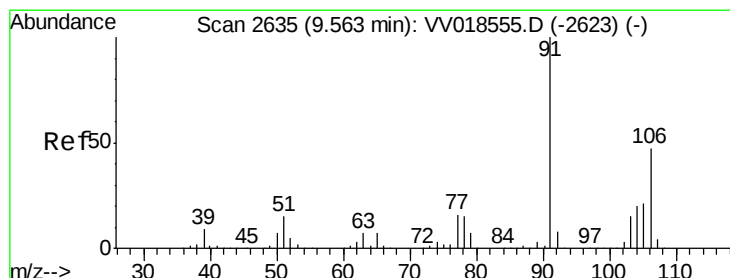
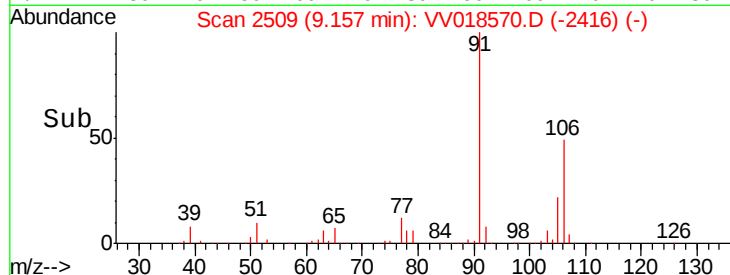
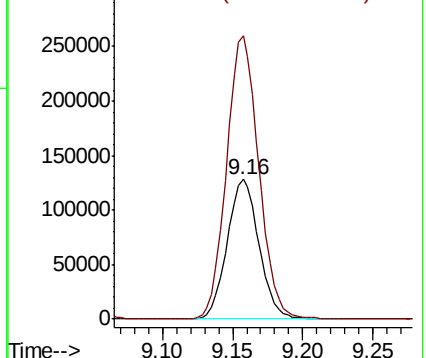
106 100

91 202.5 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 11.704 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018570.D

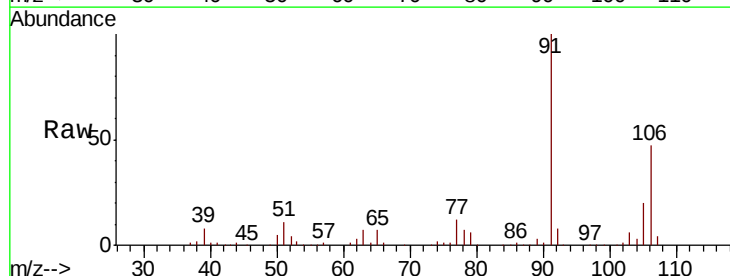
Acq: 30 Sep 2020 15:28

Tgt Ion:106 Resp: 49647

Ion Ratio Lower Upper

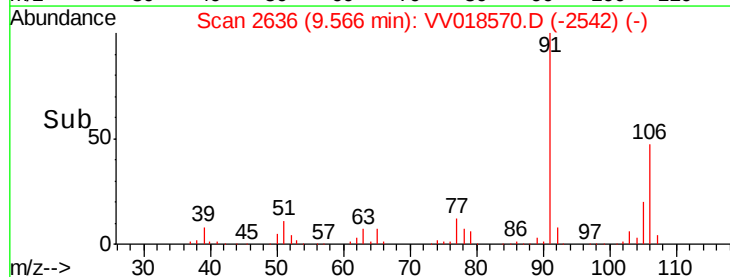
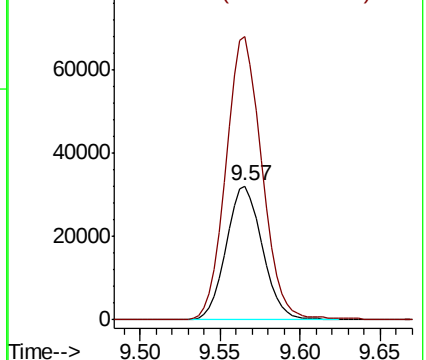
106 100

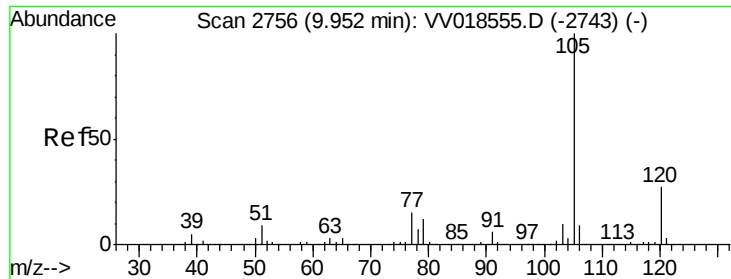
91 211.2 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 31.789 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018570.D

Acq: 30 Sep 2020 15:28

Instrument :

MSVOA_V

ClientSampleId :

BG3Y4DL

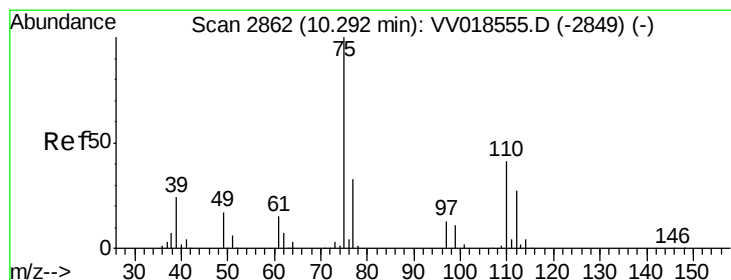
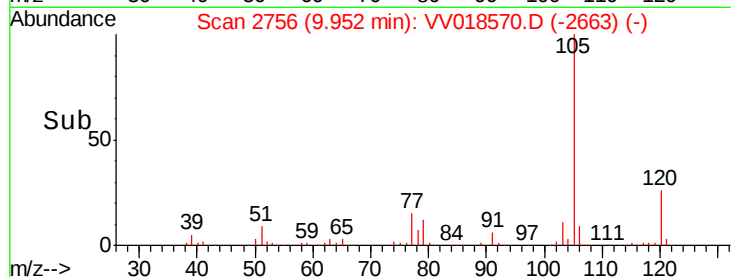
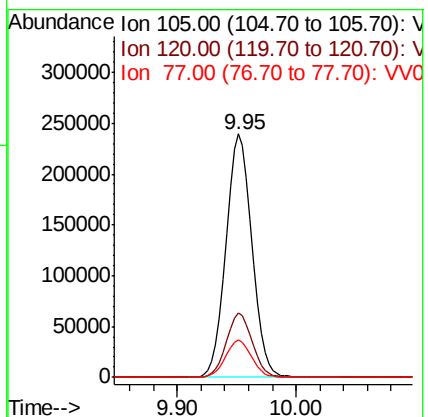
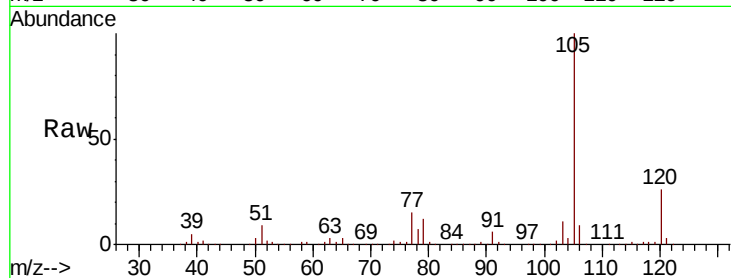
Tot Ion:105 Resp: 361640

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

77 15.5 12.2 18.2



#59

1,2,3-Trichloropropane

Concen: 4.264 ug/L

RT: 10.37 min Scan# 2887

Delta R.T. 0.08 min

Lab File: VV018570.D

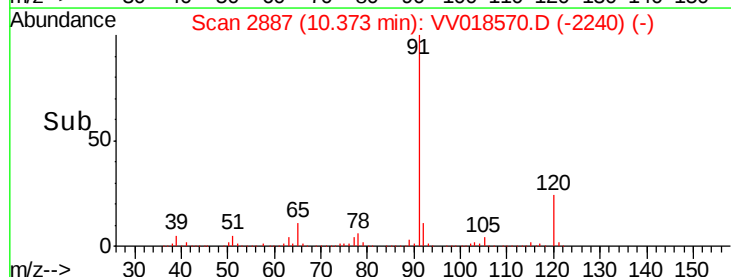
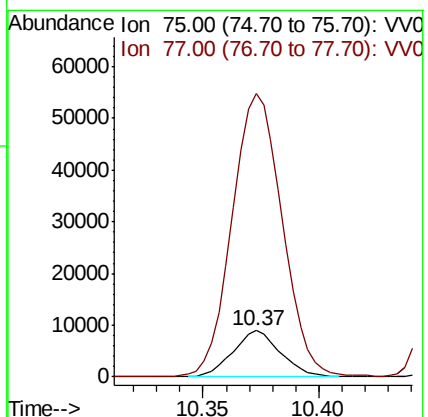
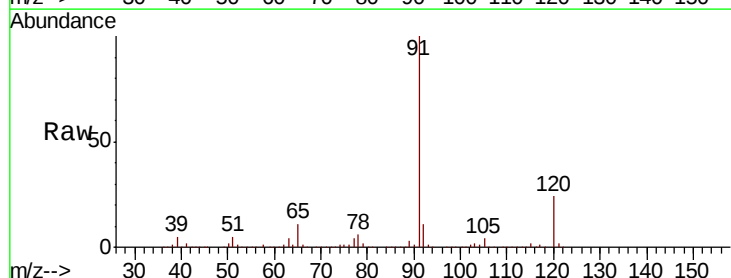
Acq: 30 Sep 2020 15:28

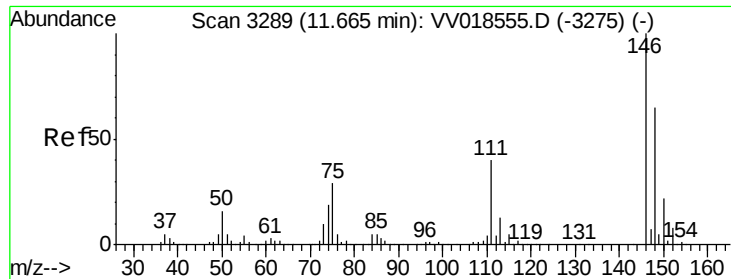
Tgt Ion: 75 Resp: 12769

Ion Ratio Lower Upper

75 100

77 645.4 25.4 38.0#





#65

1,2-Dichlorobenzene

Concen: 2.187 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018570.D

Acq: 30 Sep 2020 15:28

Instrument :

MSVOA_V

ClientSampled :

BG3Y4DL

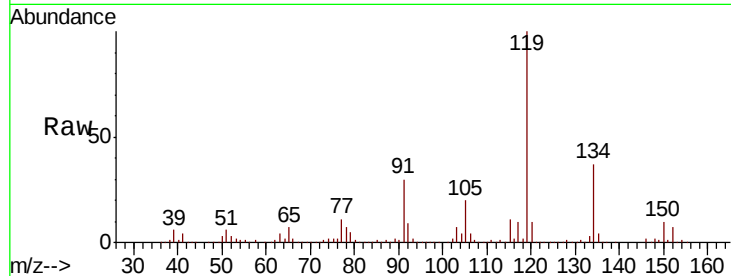
Tot Ion:146 Resp: 12872

Ion Ratio Lower Upper

146 100

111 46.1 32.8 49.2

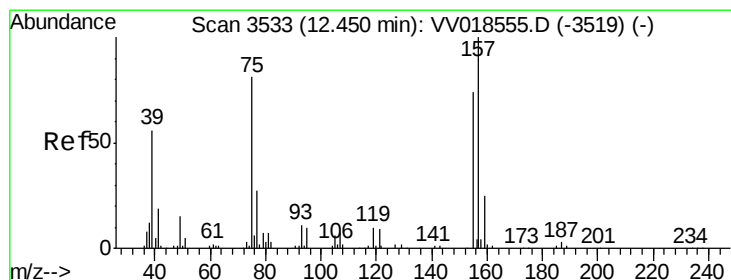
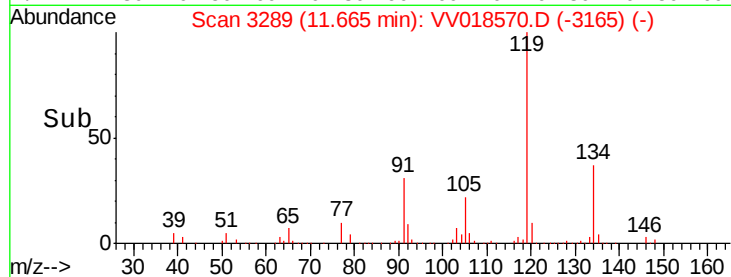
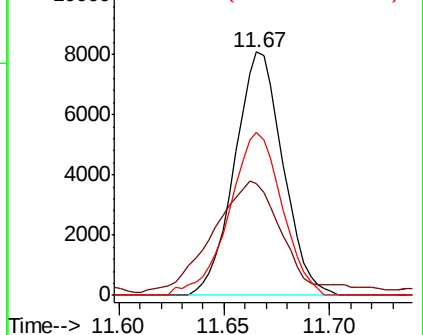
148 66.8 51.9 77.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.082 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.02 min

Lab File: VV018570.D

Acq: 30 Sep 2020 15:28

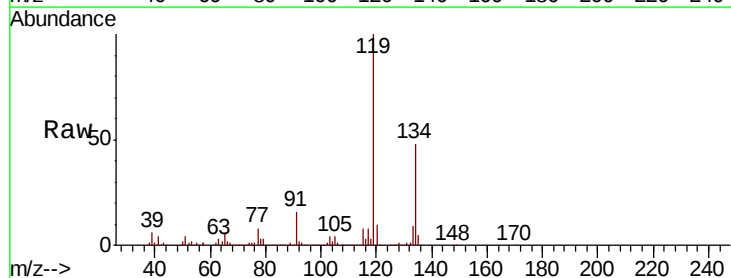
Tgt Ion: 75 Resp: 3279

Ion Ratio Lower Upper

75 100

155 0.0 73.0 109.6#

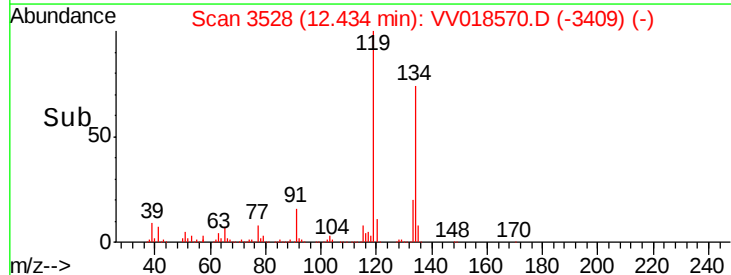
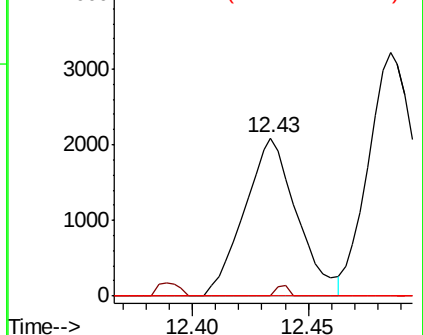
157 0.0 95.8 143.6#

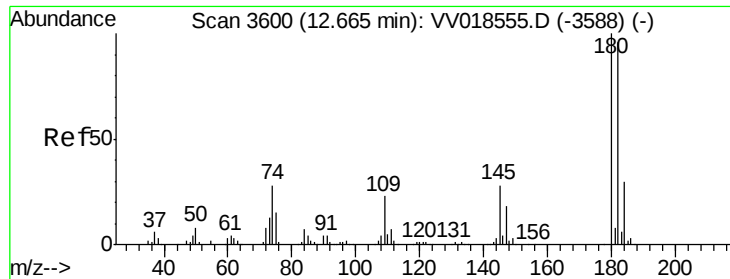


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 34.043 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.62 min

Lab File: VV018570.D

Acq: 30 Sep 2020 15:28

Instrument :

MSVOA_V

ClientSampleId :

BG3Y4DL

Tot Ion:180 Resp: 140265

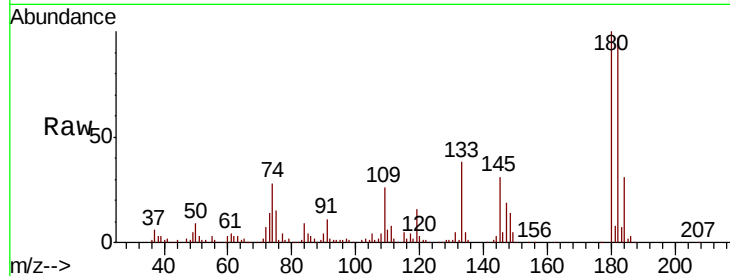
Ion Ratio Lower Upper

180 100

182 97.2 77.1 115.7

184 31.3 24.3 36.5

145 30.8 22.9 34.3



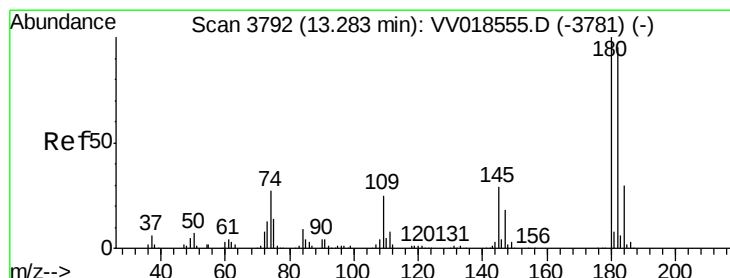
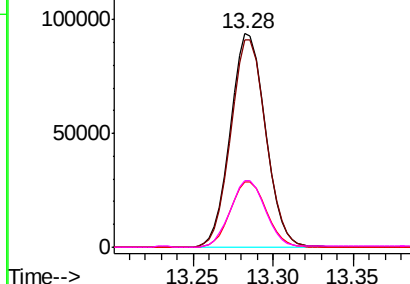
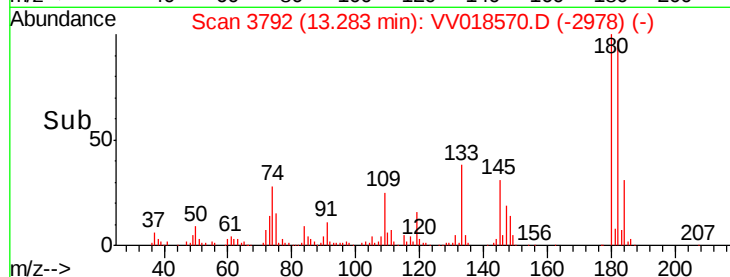
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 36.584 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. -0.00 min

Lab File: VV018570.D

Acq: 30 Sep 2020 15:28

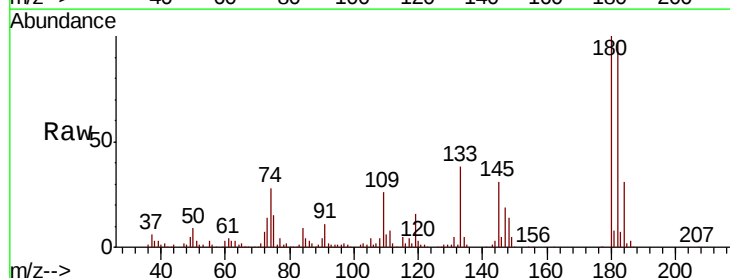
Tgt Ion:180 Resp: 140265

Ion Ratio Lower Upper

180 100

182 97.2 76.3 114.5

145 30.8 23.6 35.4

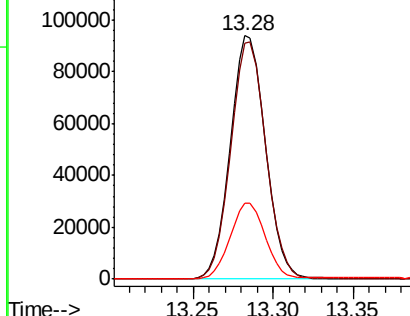
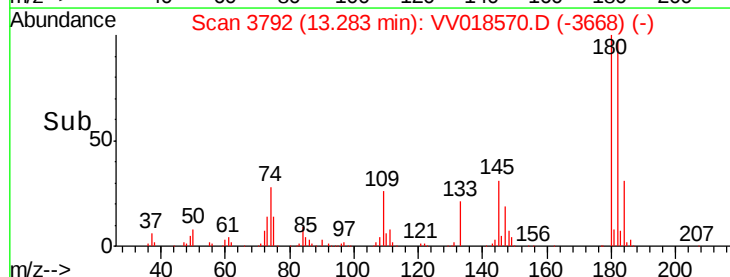


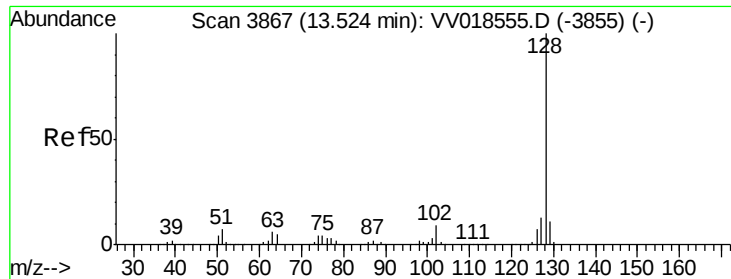
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 53.677 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018570.D

Acq: 30 Sep 2020 15:28

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ClientSampleId :

BG3Y4DL

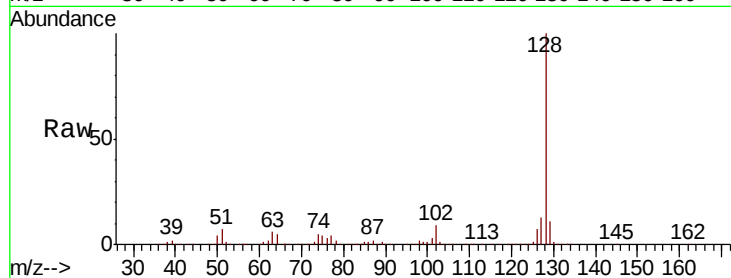
Tot Ion:128 Resp: 589113

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

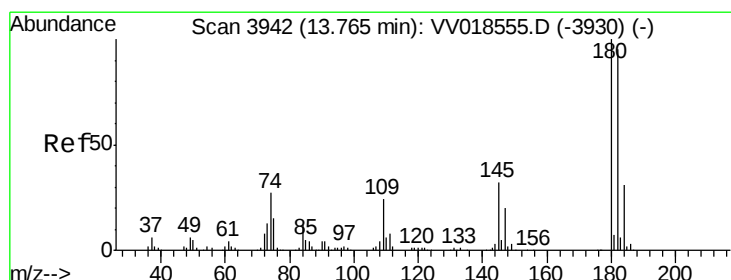
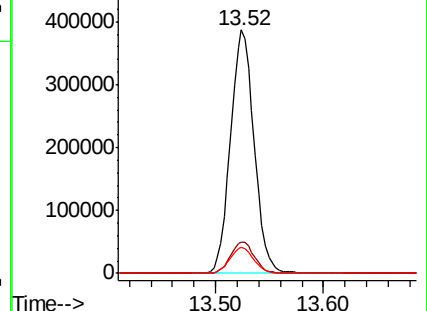
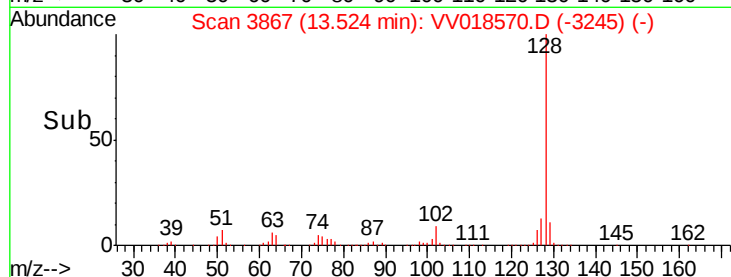
129 10.9 8.6 12.8



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



#70

1,2,3-Trichlorobenzene

Concen: 11.218 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018570.D

Acq: 30 Sep 2020 15:28

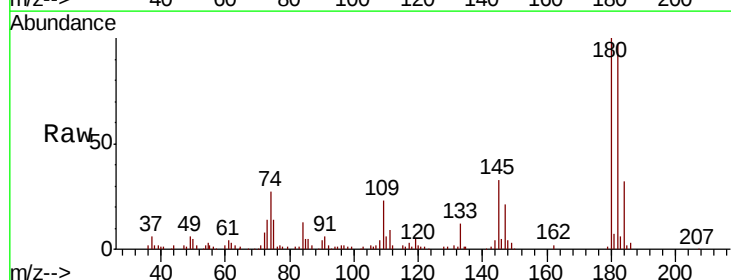
Tgt Ion:180 Resp: 43175

Ion Ratio Lower Upper

180 100

182 97.4 77.1 115.7

145 36.8 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

