

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018528.D
 Acq On : 29 Sep 2020 19:51
 Operator : SY/MD
 Sample : L4171-14 20X
 Misc : 6.13g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Y4

Quant Time: Sep 30 01:52:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 01:47:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	443770	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	426253	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	229328	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	115774	44.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.96%
7) Chloroethane-d5	1.58	69	96606	44.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.78%
11) 1,1-Dichloroethene-d2	2.12	63	173361	32.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.38%
21) 2-Butanone-d5	3.91	46	194819	100.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.35%
24) Chloroform-d	4.38	84	247243	43.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.86%
26) 1,2-Dichloroethane-d4	5.06	65	168593	47.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.38%
32) Benzene-d6	5.07	84	515978	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
36) 1,2-Dichloropropane-d6	6.09	67	161698	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.14%
41) Toluene-d8	7.34	98	478906	47.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.30%
43) trans-1,3-Dichloropropene-	7.64	79	80338	45.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.18%
47) 2-Hexanone-d5	8.11	63	124436	100.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.42%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	206202	47.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	213638	48.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.88%

Target Compounds

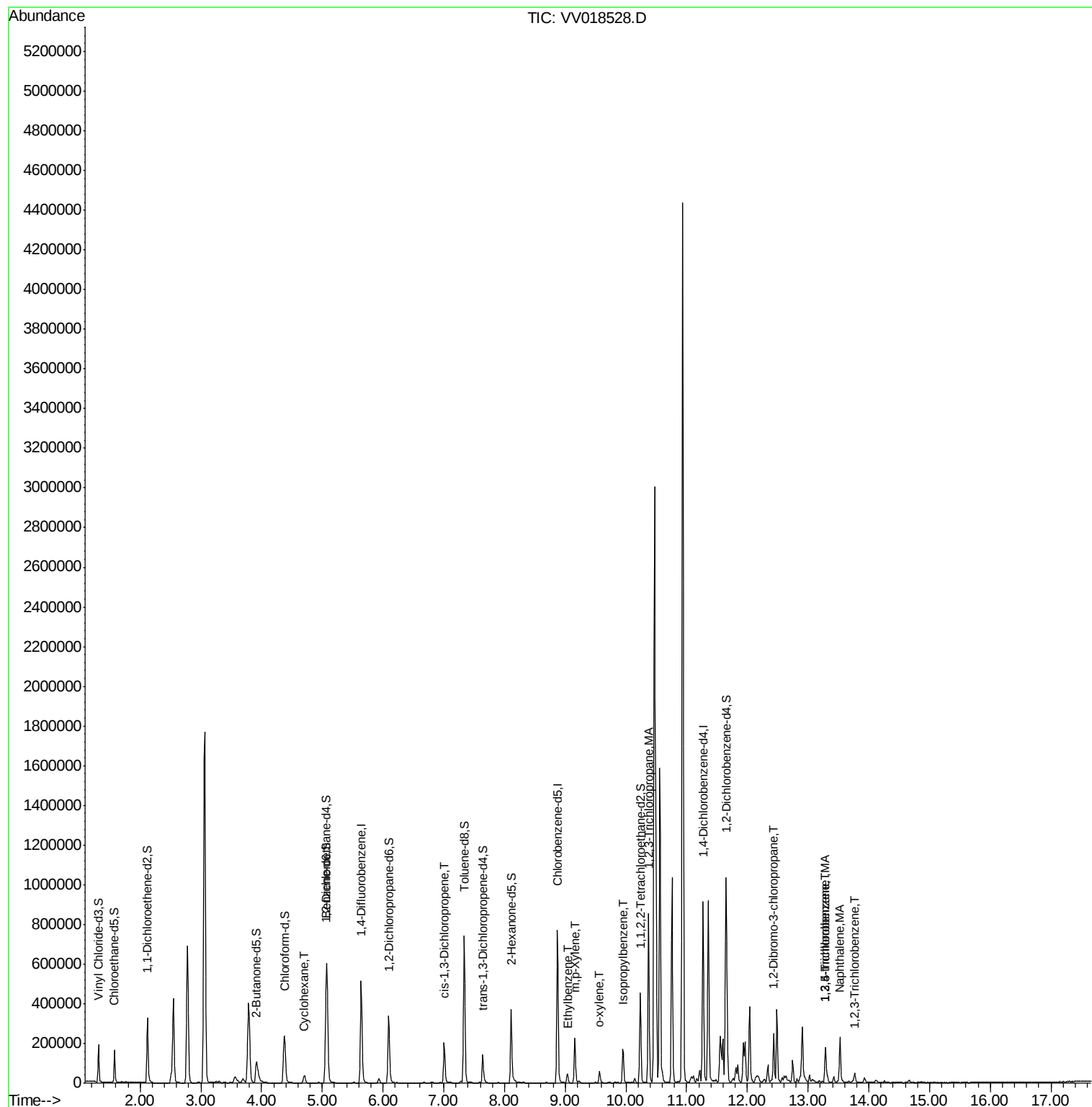
					Ovalue
29) Cyclohexane	4.70	56	18769	3.861 ug/L	97
39) cis-1,3-Dichloropropene	7.01	75	4799	0.952 ug/L #	57
52) Ethylbenzene	9.04	91	31533	2.084 ug/L	97
53) m,p-Xylene	9.16	106	64255	10.990 ug/L	95
54) o-xylene	9.57	106	15302	2.764 ug/L	93
56) Isopropylbenzene	9.95	105	109884	7.402 ug/L	99
59) 1,2,3-Trichloropropane	10.37	75	3576	0.915 ug/L #	1
66) 1,2-Dibromo-3-chloropropan	12.43	75	1012	1.010 ug/L #	1
67) 1,3,5-Trichlorobenzene	13.29	180	42761	8.318 ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	42761	8.939 ug/L	99
69) Naphthalene	13.53	128	177453	12.958 ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	12563	2.616 ug/L #	94

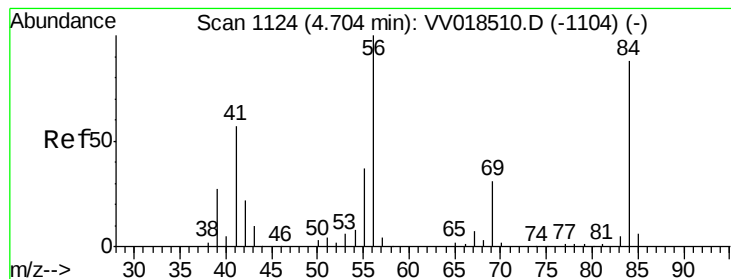
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_V
ClientSampleId :
BG3Y4

Quant Time: Sep 30 01:52:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 30 01:47:57 2020
Response via : Initial Calibration





#29

Cyclohexane

Concen: 3.861 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018528.D

Acq: 29 Sep 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

BG3Y4

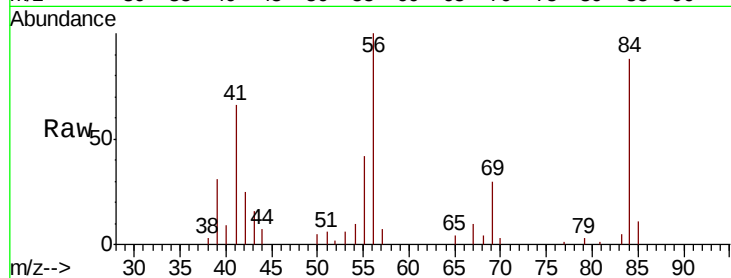
Tot Ion: 56 Resp: 18769

Ion Ratio Lower Upper

56 100

69 30.9 24.8 37.2

84 86.5 72.2 108.4

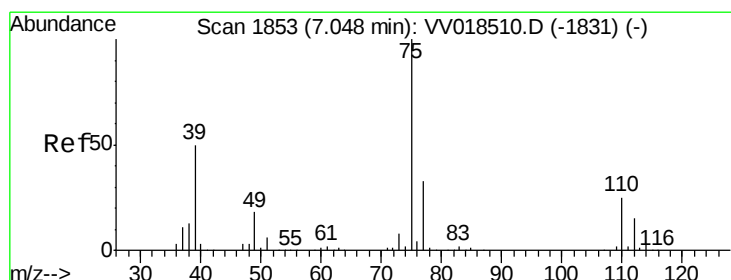
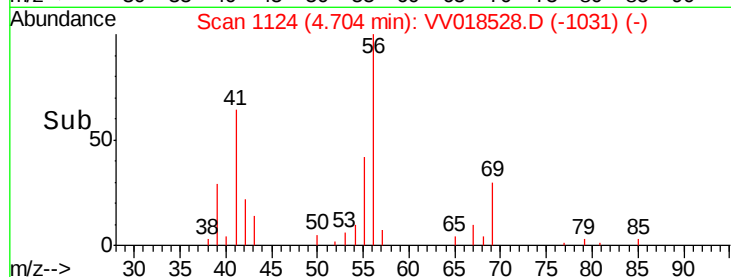
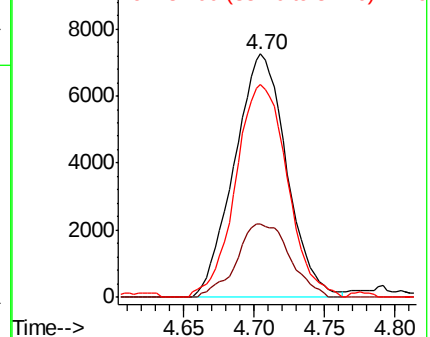


Abundance

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



#39

cis-1,3-Dichloropropene

Concen: 0.952 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018528.D

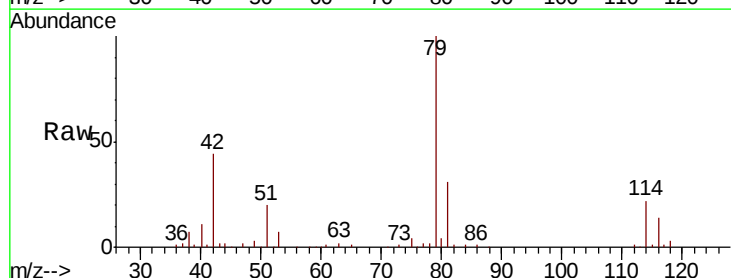
Acq: 29 Sep 2020 19:51

Tgt Ion: 75 Resp: 4799

Ion Ratio Lower Upper

75 100

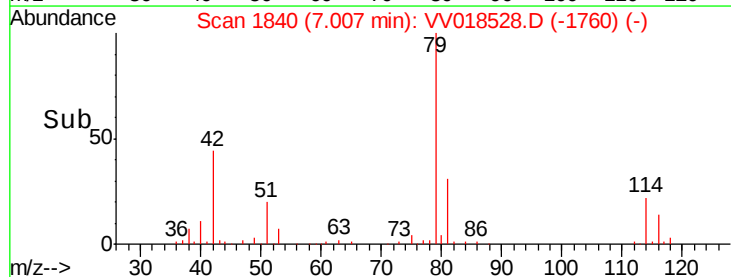
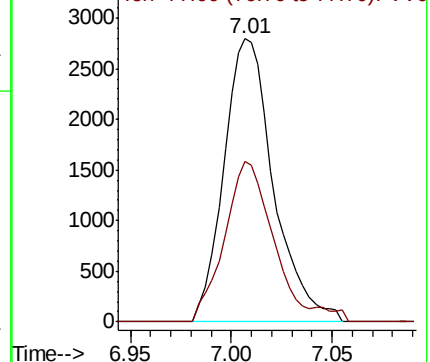
77 56.8 23.0 42.6#

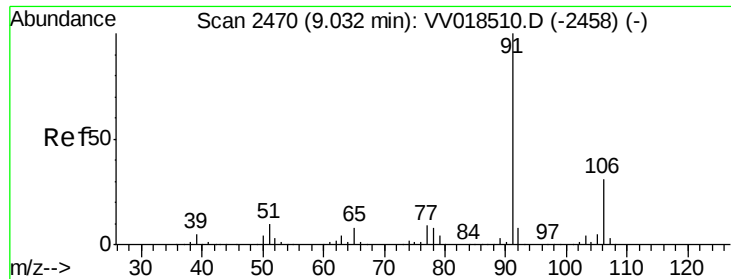


Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 2.084 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV018528.D

Acq: 29 Sep 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

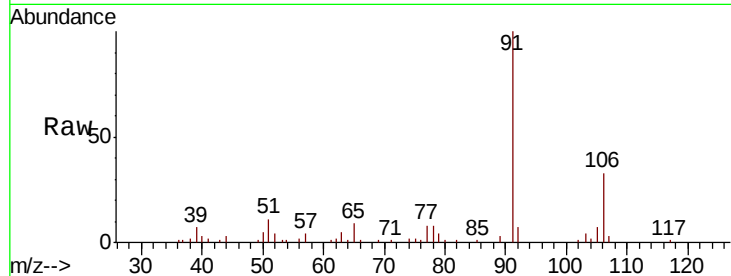
BG3Y4

Tot Ion: 91 Resp: 31533

Ion Ratio Lower Upper

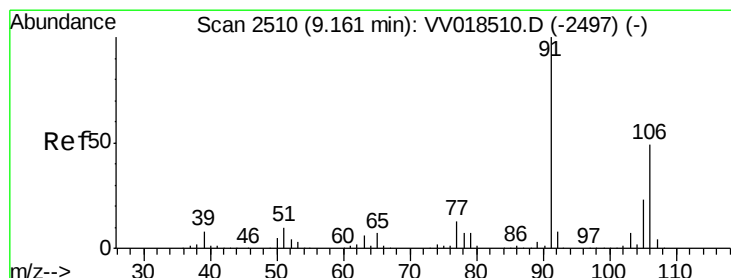
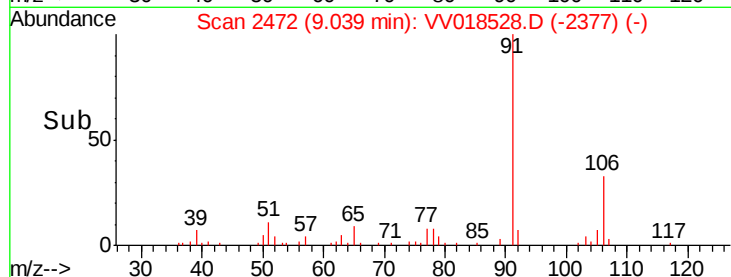
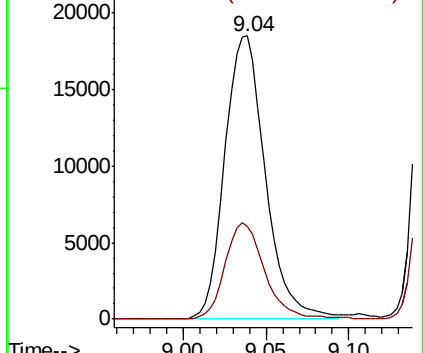
91 100

106 32.9 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018510.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV018528.D (-2377) (-)



#53

m,p-Xylene

Concen: 10.990 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018528.D

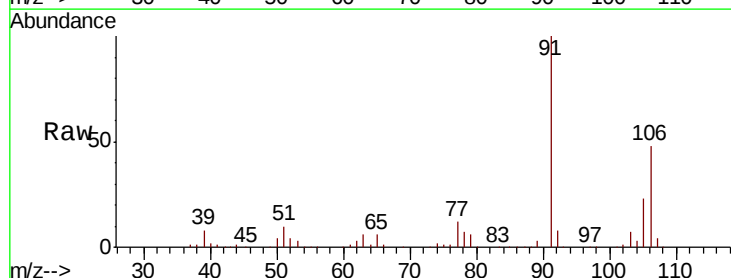
Acq: 29 Sep 2020 19:51

Tgt Ion: 106 Resp: 64255

Ion Ratio Lower Upper

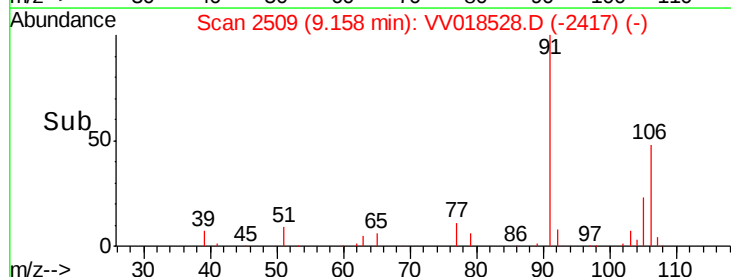
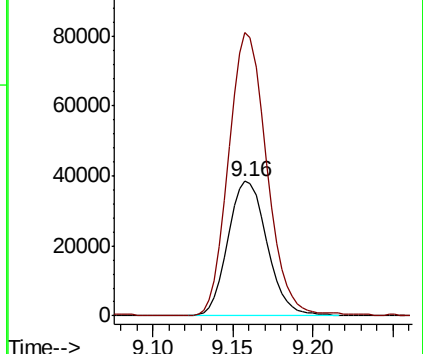
106 100

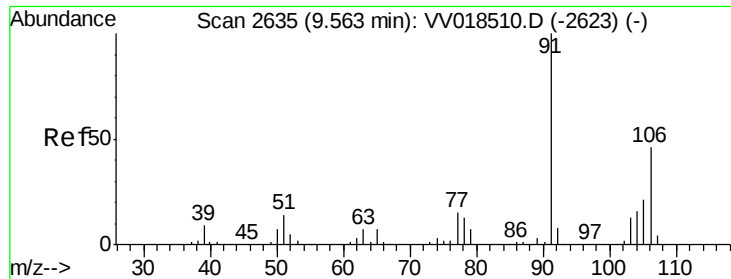
91 210.4 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018528.D (-2417) (-)

Ion 91.00 (90.70 to 91.70): VV018510.D (-2497) (-)





#54

o-xylene

Concen: 2.764 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018528.D

Acq: 29 Sep 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

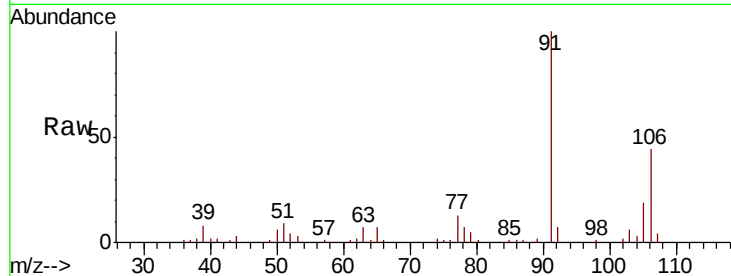
BG3Y4

Tot Ion:106 Resp: 15302

Ion Ratio Lower Upper

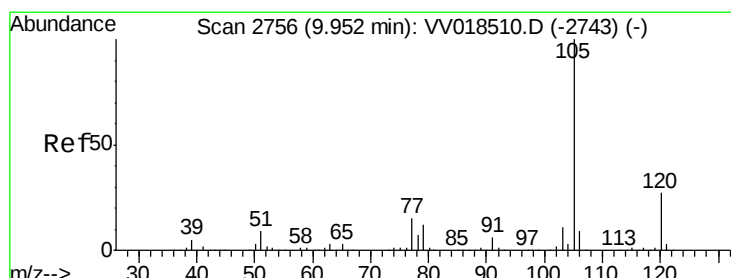
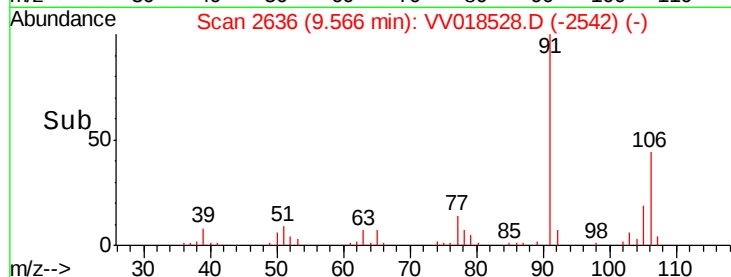
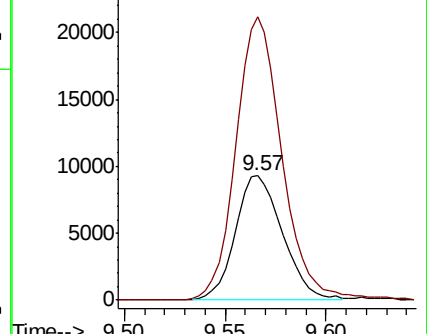
106 100

91 227.6 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Isopropylbenzene

Concen: 7.402 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018528.D

Acq: 29 Sep 2020 19:51

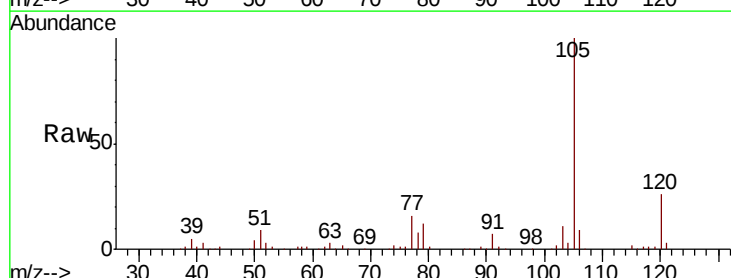
Tgt Ion:105 Resp: 109884

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

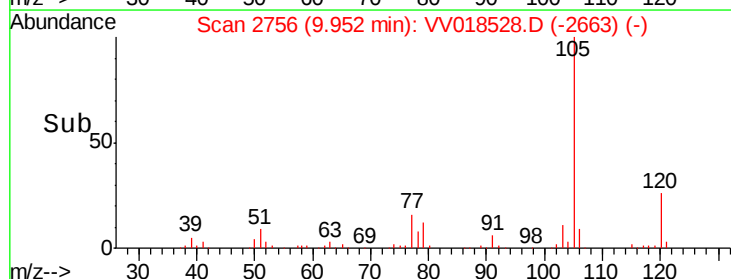
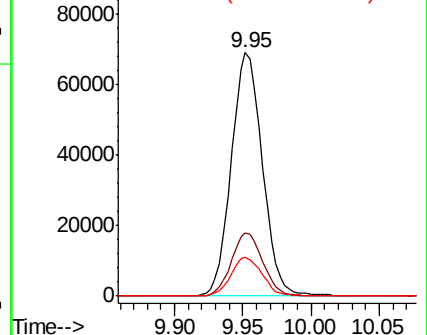
77 15.9 12.2 18.2

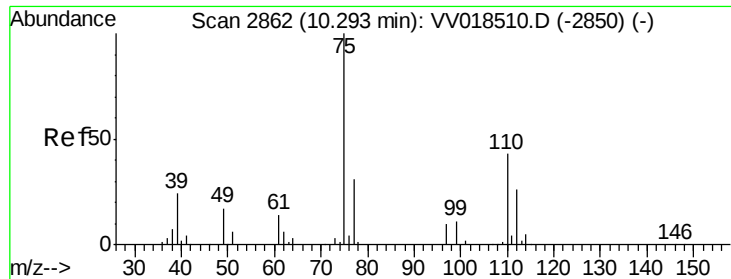


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#59

1,2,3-Trichloropropane

Concen: 0.915 ug/L

RT: 10.37 min Scan# 2887

Delta R.T. 0.08 min

Lab File: VV018528.D

Acq: 29 Sep 2020 19:51

Instrument :

MSVOA_V

ClientSampleId :

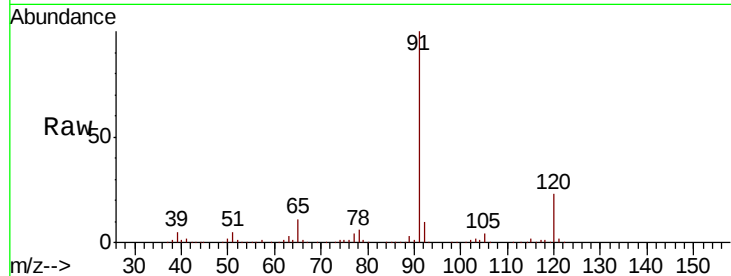
BG3Y4

Tot Ion: 75 Resp: 3576

Ion Ratio Lower Upper

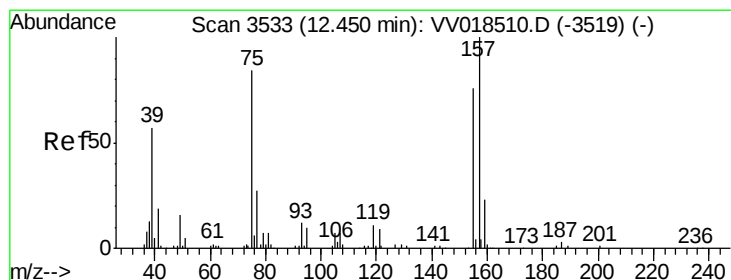
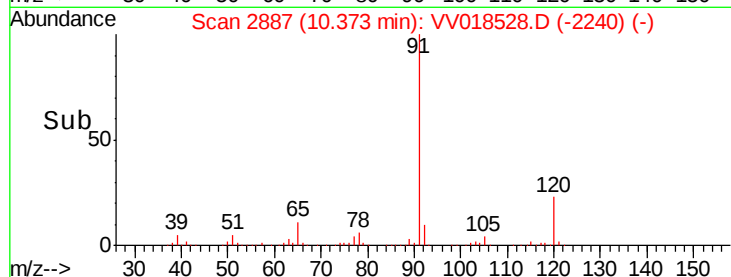
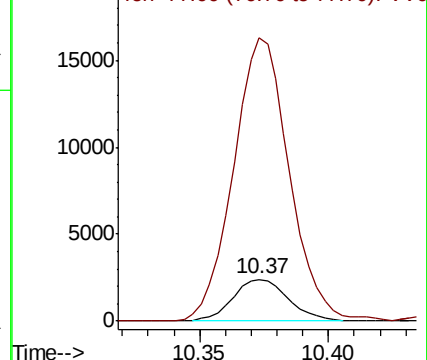
75 100

77 688.5 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#66

1,2-Dibromo-3-chloropropane

Concen: 1.010 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.02 min

Lab File: VV018528.D

Acq: 29 Sep 2020 19:51

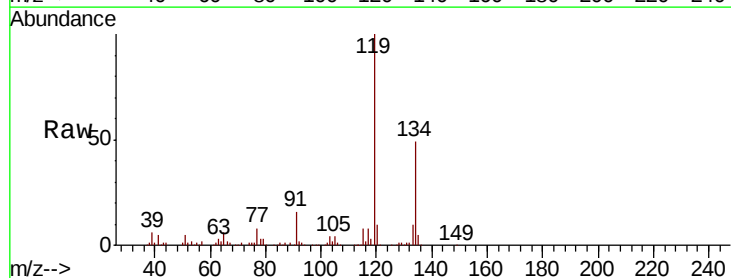
Tgt Ion: 75 Resp: 1012

Ion Ratio Lower Upper

75 100

155 0.0 73.0 109.6#

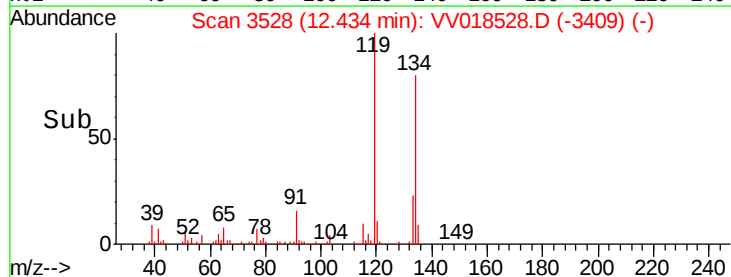
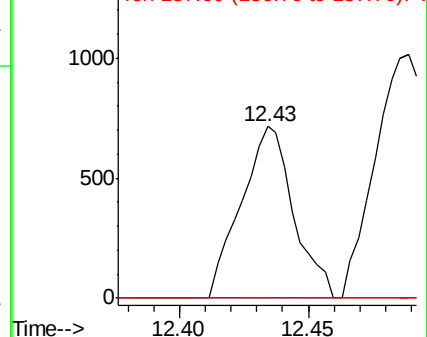
157 0.0 95.8 143.6#

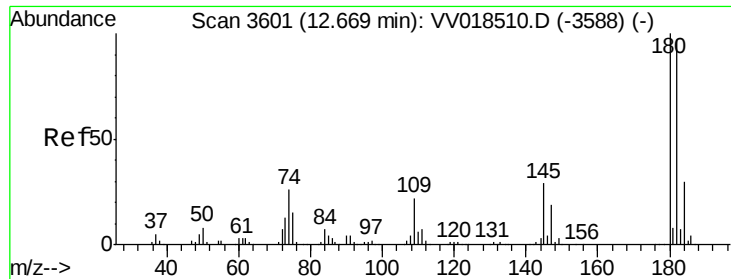


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

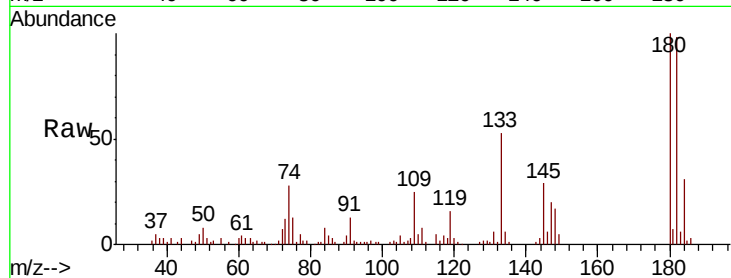




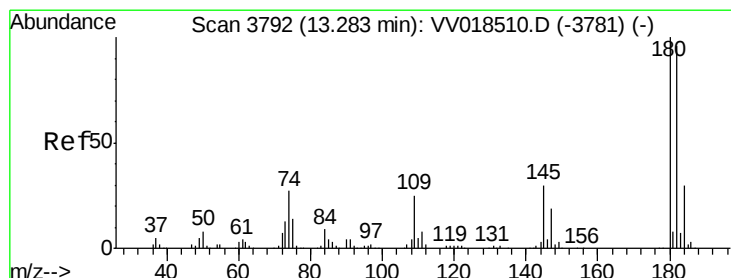
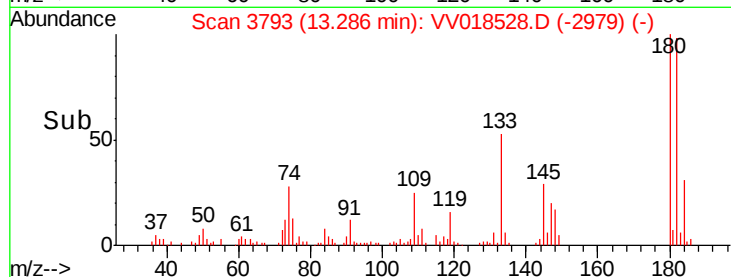
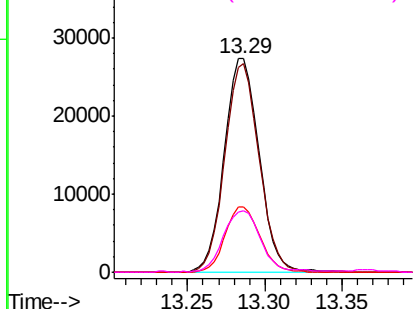
#67
 1,3,5-Trichlorobenzene
 Concen: 8.318 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV018528.D
 Acq: 29 Sep 2020 19:51

Instrument :
 MSVOA_V
 ClientSampled :
 BG3Y4

Tot Ion:180 Resp: 42761
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.1 115.7
 184 30.3 24.3 36.5
 145 30.5 22.9 34.3

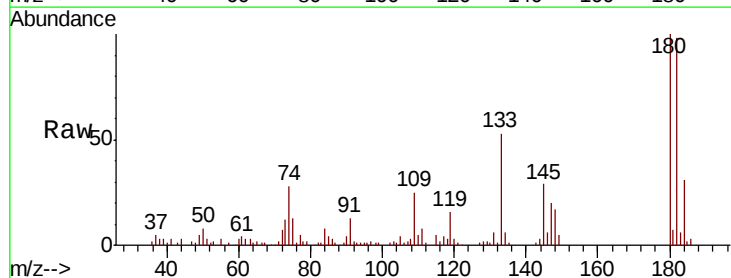


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

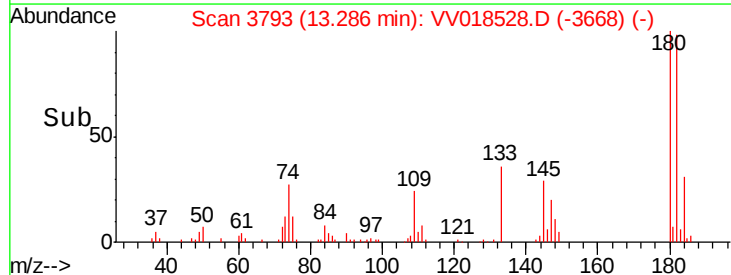
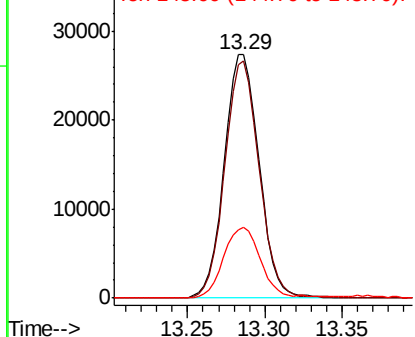


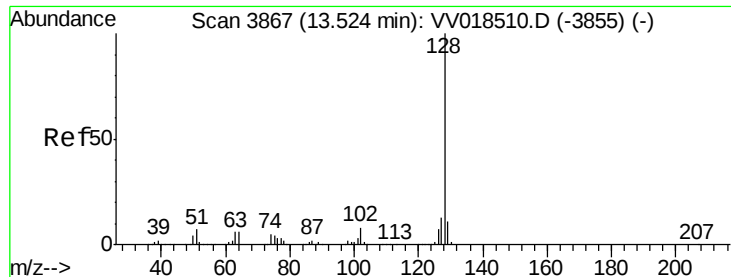
#68
 1,2,4-trichlorobenzene
 Concen: 8.939 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018528.D
 Acq: 29 Sep 2020 19:51

Tgt Ion:180 Resp: 42761
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.3 114.5
 145 30.5 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: 12.958 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV018528.D

Acq: 29 Sep 2020 19:51

Instrument :

MSVOA_V

ClientSampled :

BG3Y4

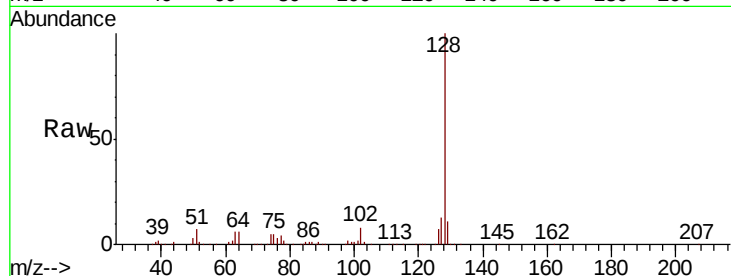
Tot Ion:128 Resp: 177453

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

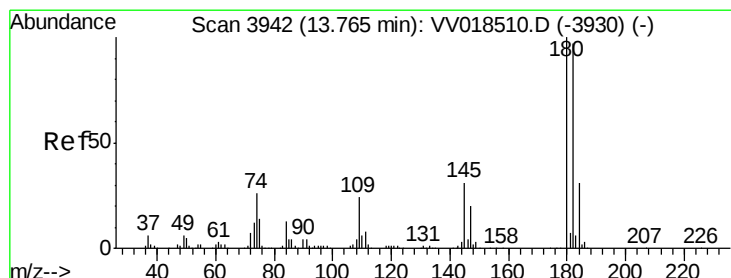
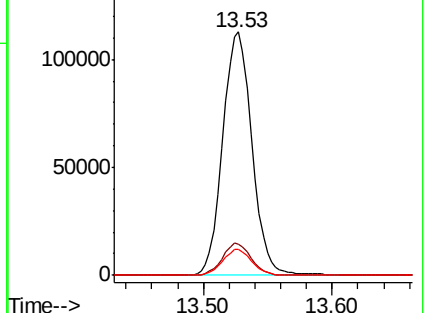
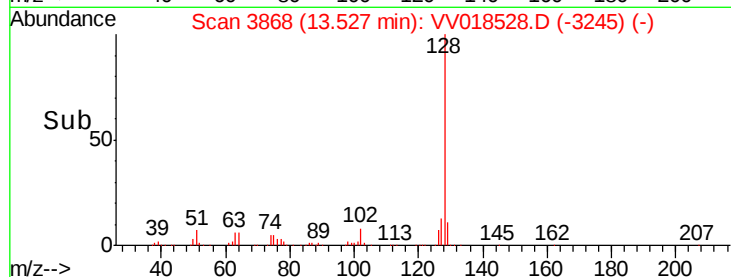
129 10.8 8.6 12.8



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: 2.616 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV018528.D

Acq: 29 Sep 2020 19:51

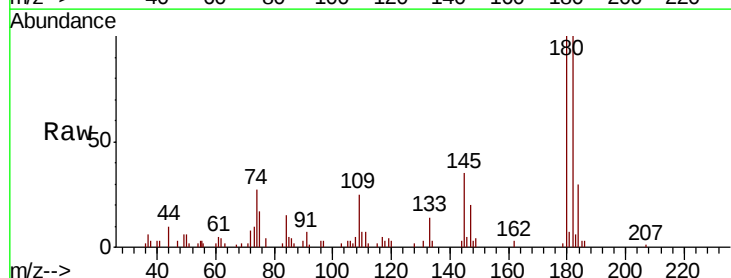
Tgt Ion:180 Resp: 12563

Ion Ratio Lower Upper

180 100

182 98.1 77.1 115.7

145 41.5 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

