

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081720\
 Data File : VV018028.D
 Acq On : 17 Aug 2020 15:59
 Operator : SY/MD
 Sample : L3684-05 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F94

Quant Time: Aug 18 01:27:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 18 01:23:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	282325	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	279690	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	146174	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	90225	41.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.78%
7) Chloroethane-d5	1.58	69	79319	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.02%
11) 1,1-Dichloroethene-d2	2.12	63	135598	32.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.82%
21) 2-Butanone-d5	3.91	46	119304	84.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.56%
24) Chloroform-d	4.38	84	167357	42.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.36%
26) 1,2-Dichloroethane-d4	5.06	65	115856	45.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.98%
32) Benzene-d6	5.07	84	337868	43.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.66%
36) 1,2-Dichloropropane-d6	6.09	67	110451	43.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.66%
41) Toluene-d8	7.34	98	296721	42.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.62%
43) trans-1,3-Dichloropropene-	7.64	79	49657	43.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.90%
47) 2-Hexanone-d5	8.11	63	67272	83.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.19%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	138212	42.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.24%
64) 1,2-Dichlorobenzene-d4	11.27	152	137375	47.75	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	4.41	83	10168	2.547	ug/L	97
27) 1,2-Dichloroethane	5.13	62	4969	1.564	ug/L #	75
31) Carbon tetrachloride	4.86	117	2453	0.860	ug/L	93
33) Benzene	5.13	78	548516	63.389	ug/L	100
35) Methylcyclohexane	6.09	83	25637	7.538	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	11962	5.069	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	3025	0.904	ug/L #	60
51) Chlorobenzene	8.90	112	2410707	415.120	ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	36537	12.537	ug/L #	45
62) 1,3-Dichlorobenzene	11.20	146	119948	25.805	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	952386	199.450	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1216328	254.232	ug/L	99
67) 1,3,5-Trichlorobenzene	13.28	180	188151	53.285	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	188151	60.607	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	48973	15.512	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Tue Aug 18 01:23:44 2020
Response via : Initial Calibration

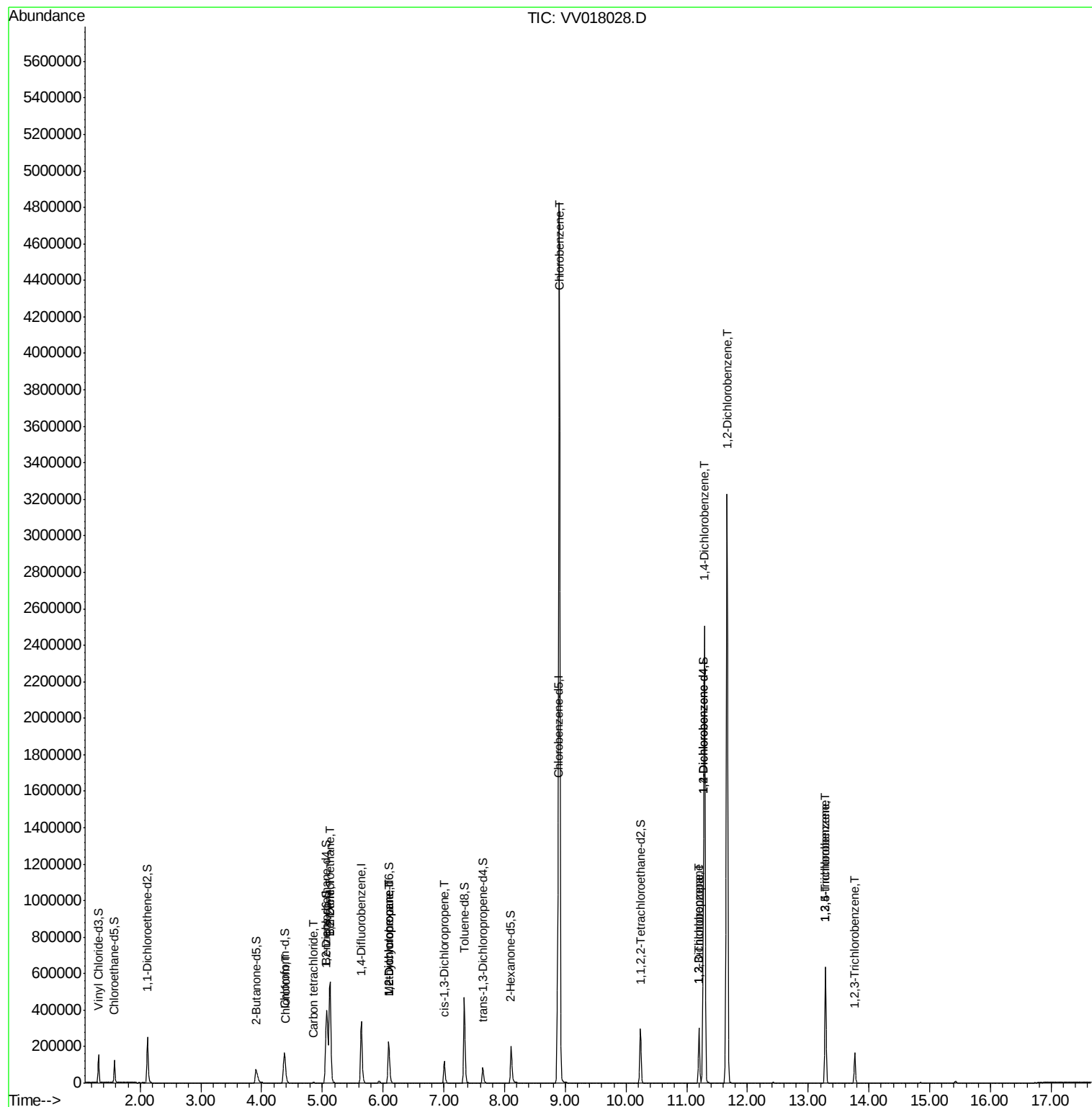
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

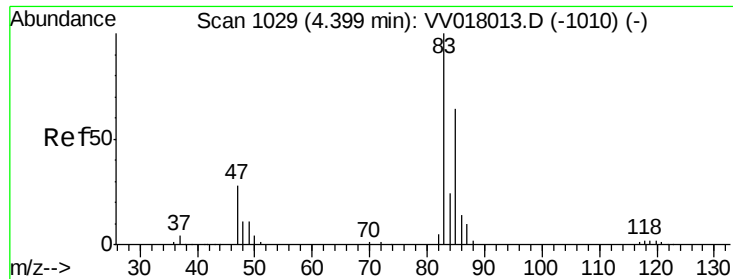
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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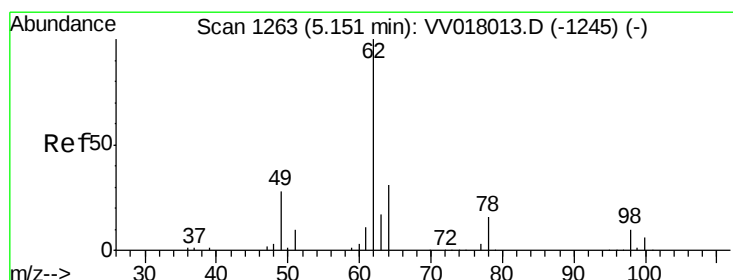
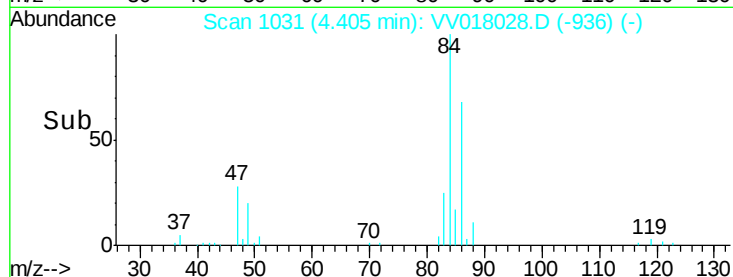
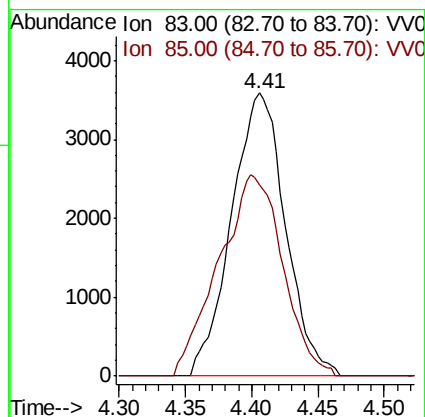
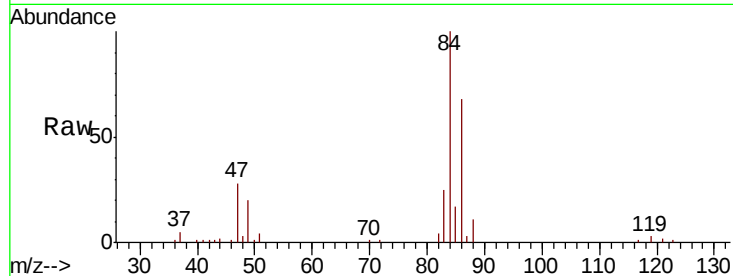




#25
Chloroform
Concen: 2.547 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV018028.D
Acq: 17 Aug 2020 15:59

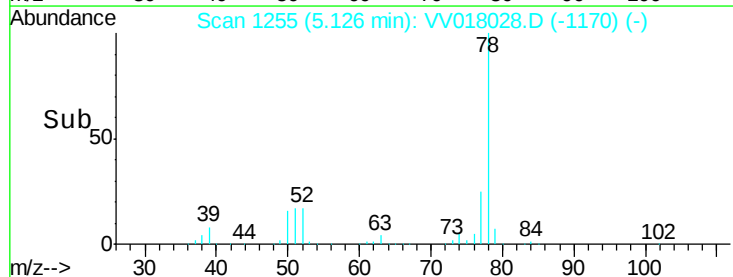
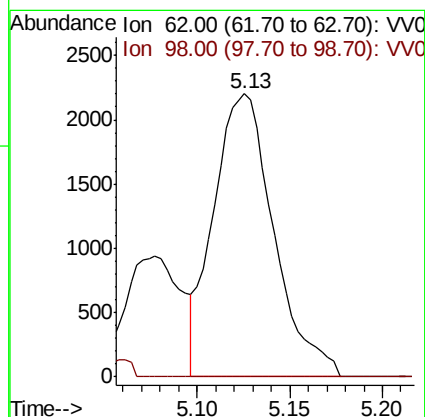
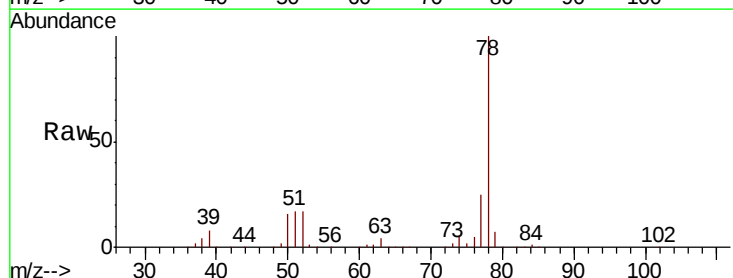
Instrument :
MSVOA_V
ClientSampleId :
C0F94

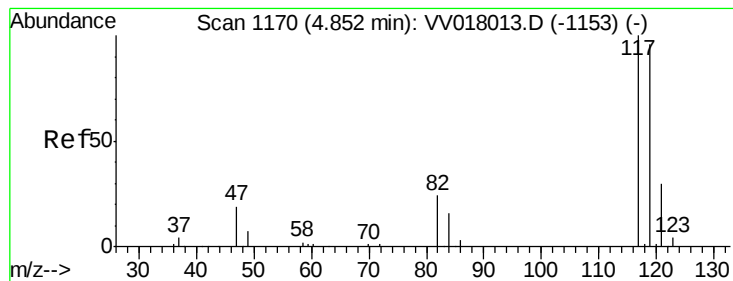
Tot Ion: 83 Resp: 10168
Ion Ratio Lower Upper
83 100
85 67.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 1.564 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.03 min
Lab File: VV018028.D
Acq: 17 Aug 2020 15:59

Tgt Ion: 62 Resp: 4969
Ion Ratio Lower Upper
62 100
98 0.0 7.1 10.7#





#31

Carbon tetrachloride

Concen: 0.860 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018028.D

Acq: 17 Aug 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

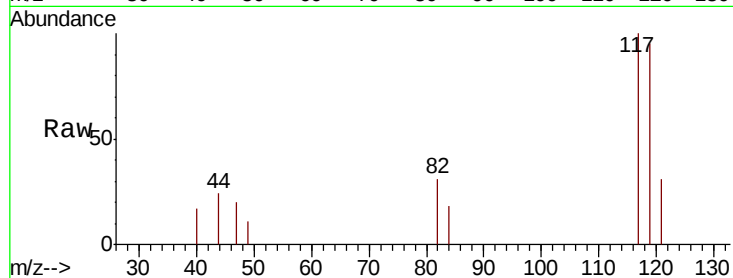
C0F94

Tot Ion:117 Resp: 2453

Ion Ratio Lower Upper

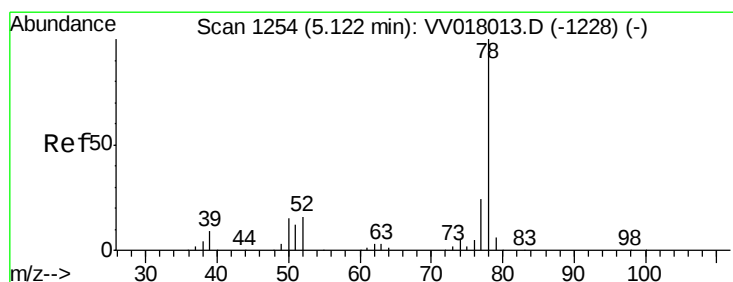
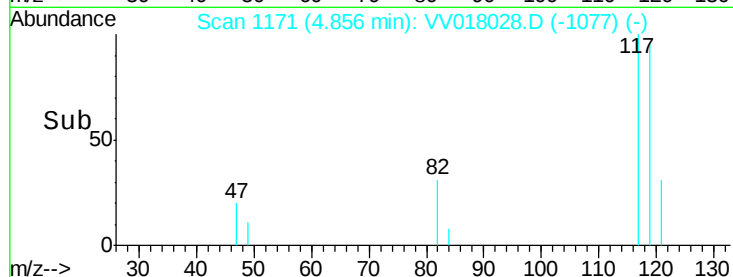
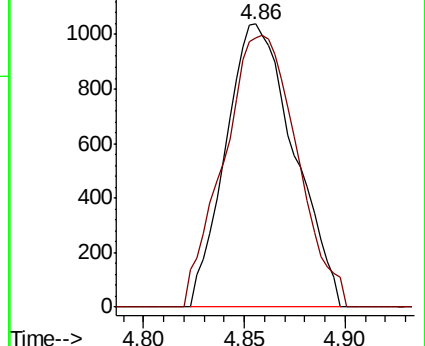
117 100

119 102.8 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 63.389 ug/L

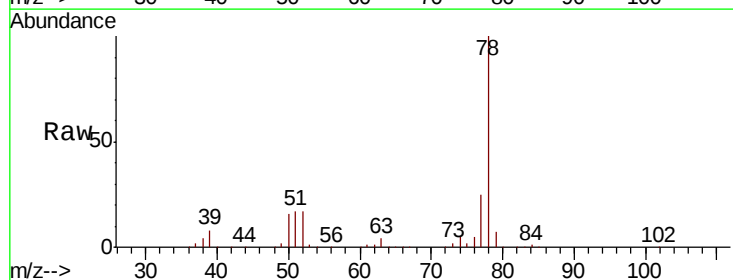
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

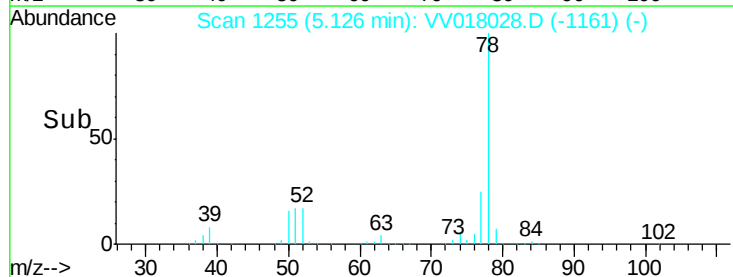
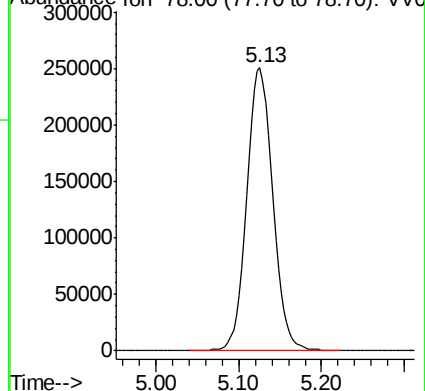
Lab File: VV018028.D

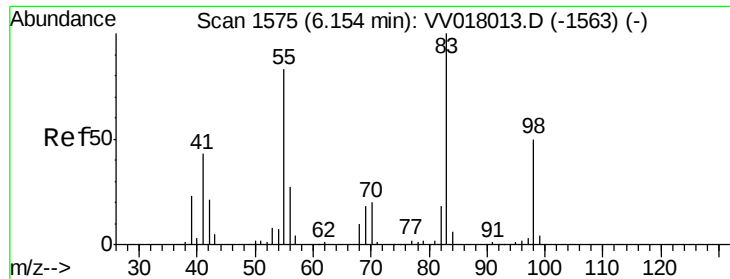
Acq: 17 Aug 2020 15:59

Tgt Ion: 78 Resp: 548516



Abundance Ion 78.00 (77.70 to 78.70): VV0

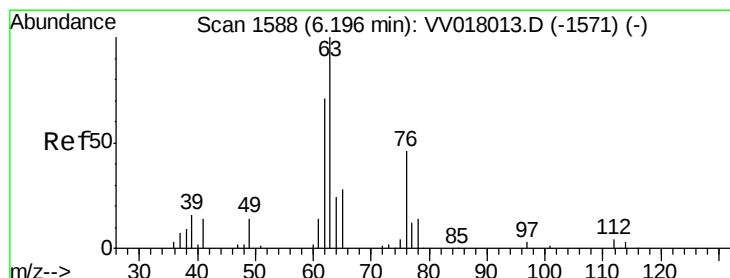
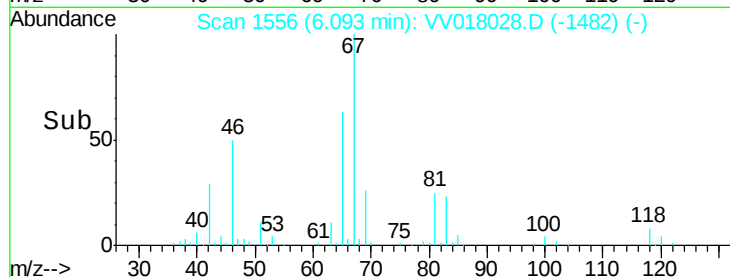
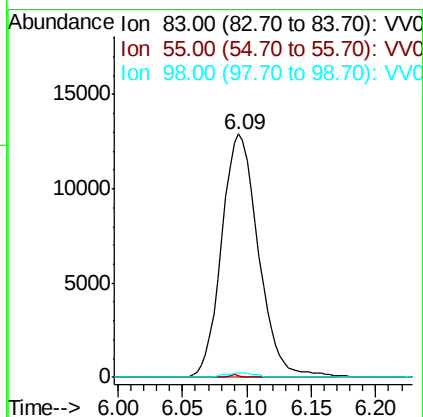
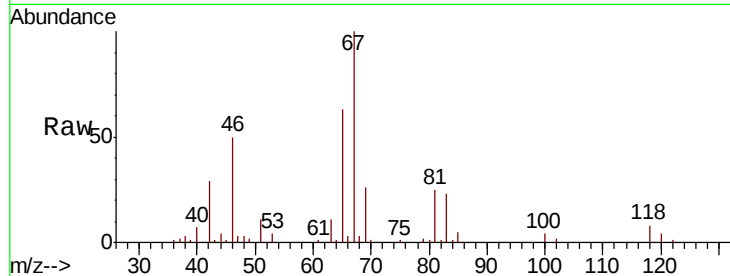




#35
Methvlcvclohexane
Concen: 7.538 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018028.D
Acq: 17 Aug 2020 15:59

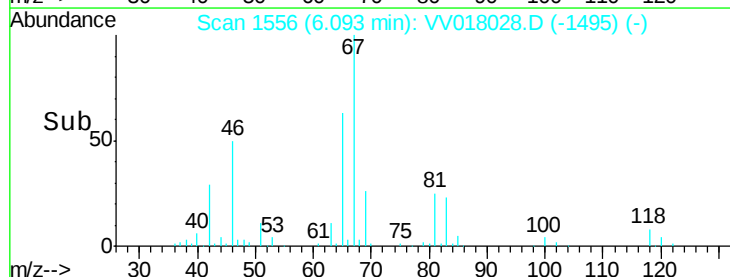
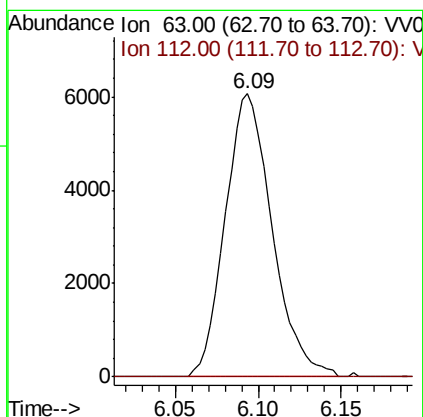
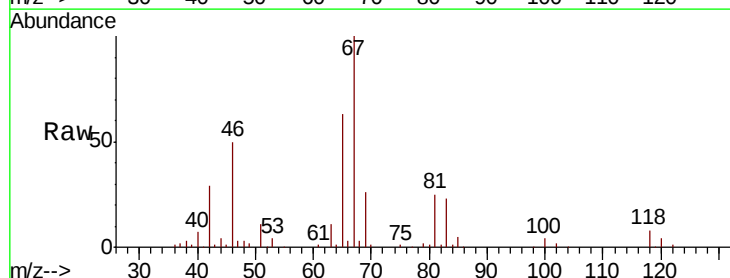
Instrument :
MSVOA_V
ClientSampleId :
C0F94

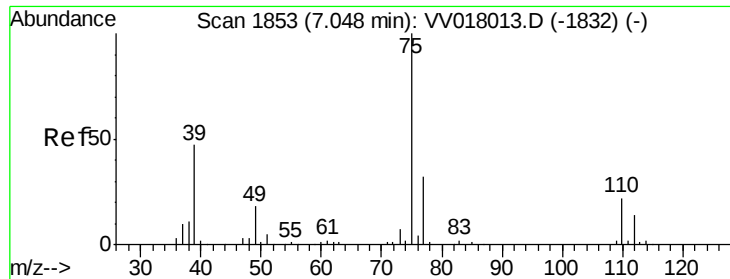
Tot Ion: 83 Resp: 25637
Ion Ratio Lower Upper
83 100
55 0.3 64.9 97.3#
98 1.5 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 5.069 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018028.D
Acq: 17 Aug 2020 15:59

Tgt Ion: 63 Resp: 11962
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

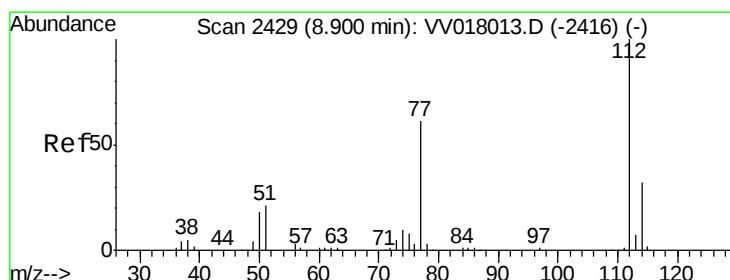
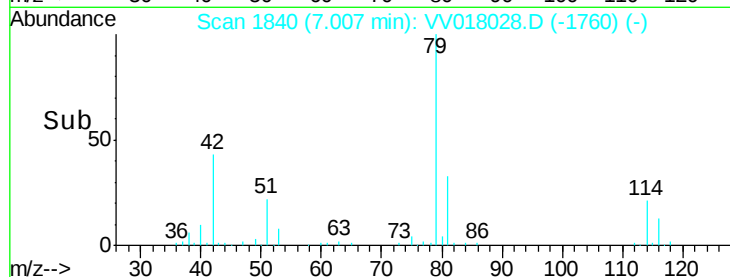
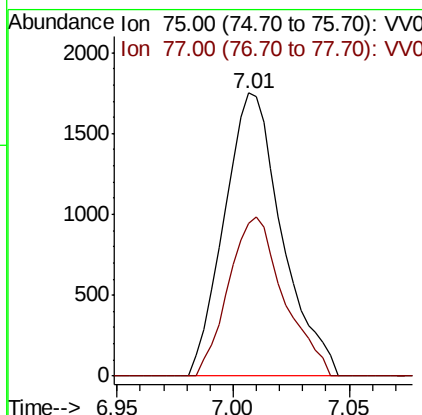
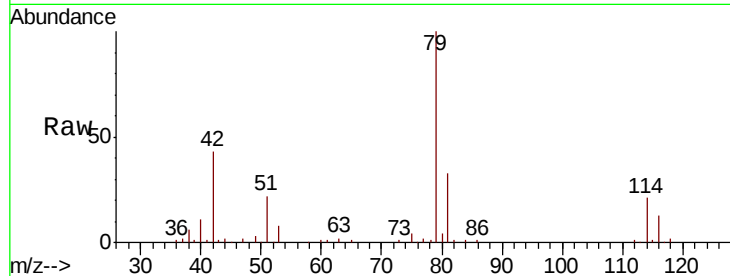




#39
 cis-1,3-Dichloropropene
 Concen: 0.904 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018028.D
 Acq: 17 Aug 2020 15:59

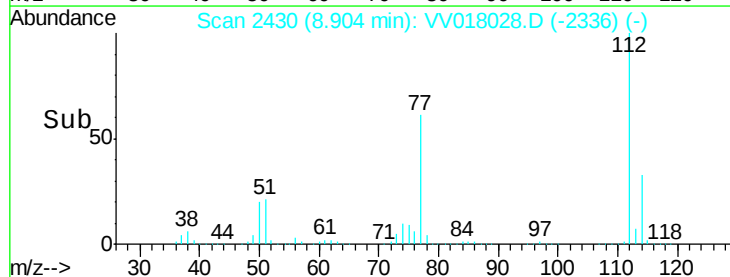
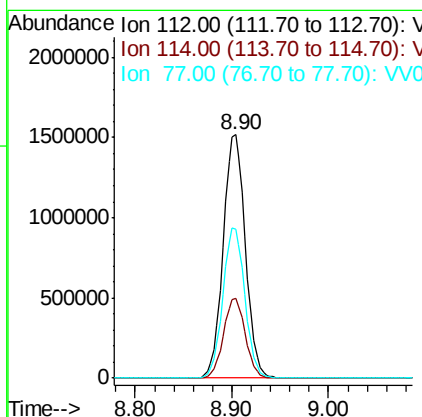
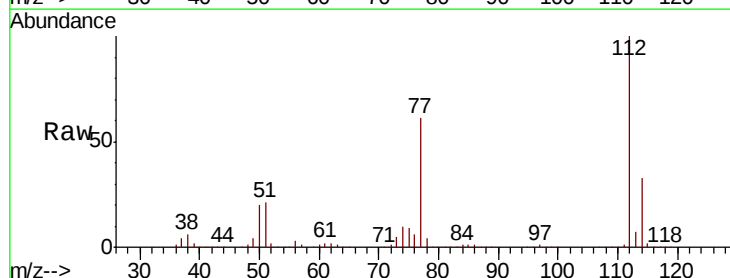
Instrument :
 MSVOA_V
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 C0F94

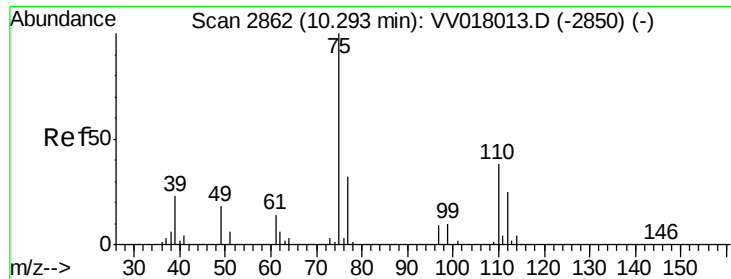
Tot Ion: 75 Resp: 3025
 Ion Ratio Lower Upper
 75 100
 77 54.1 22.3 41.5#



#51
 Chlorobenzene
 Concen: 415.120 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018028.D
 Acq: 17 Aug 2020 15:59

Tgt Ion: 112 Resp: 2410707
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.7 42.3
 77 61.1 49.4 74.2





#59

1,2,3-Trichloropropane

Concen: 12.537 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV018028.D

Acq: 17 Aug 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

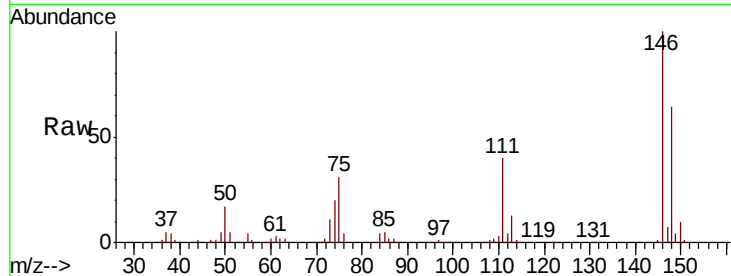
C0F94

Tot Ion: 75 Resp: 36537

Ion Ratio Lower Upper

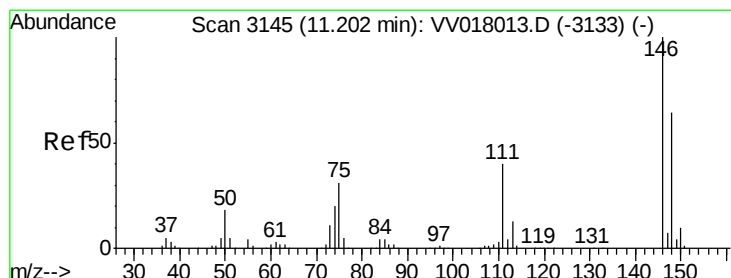
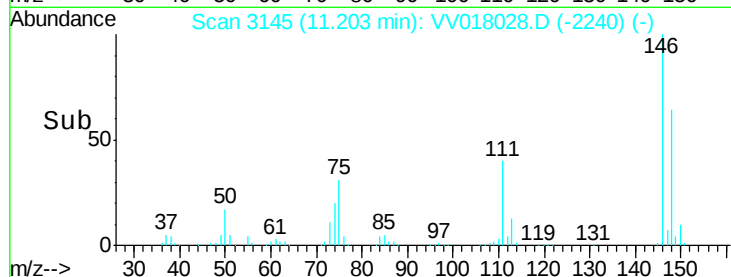
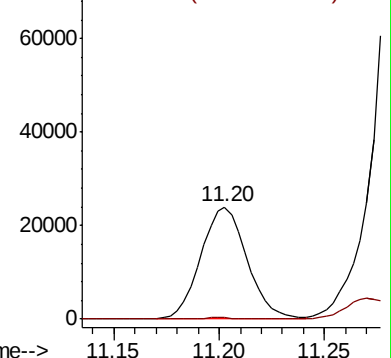
75 100

77 1.2 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV018013.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018013.D (-2850) (-)



#62

1,3-Dichlorobenzene

Concen: 25.805 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018028.D

Acq: 17 Aug 2020 15:59

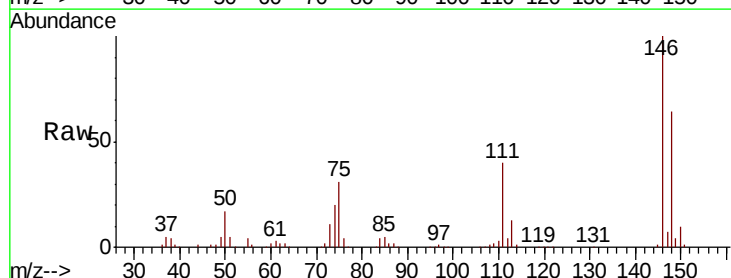
Tgt Ion: 146 Resp: 119948

Ion Ratio Lower Upper

146 100

111 39.8 28.8 53.4

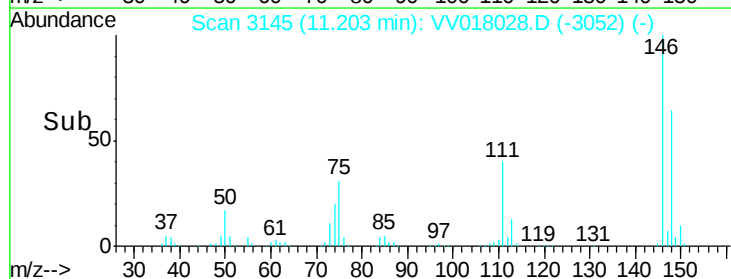
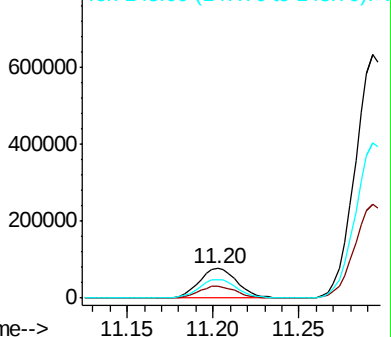
148 63.9 44.9 83.5

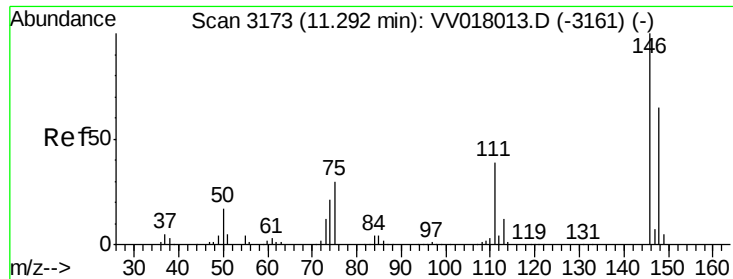


Abundance Ion 146.00 (145.70 to 146.70): VV018013.D (-3133) (-)

Ion 111.00 (110.70 to 111.70): VV018013.D (-3133) (-)

Ion 148.00 (147.70 to 148.70): VV018013.D (-3133) (-)





#63

1,4-Dichlorobenzene

Concen: 199.450 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018028.D

Acq: 17 Aug 2020 15:59

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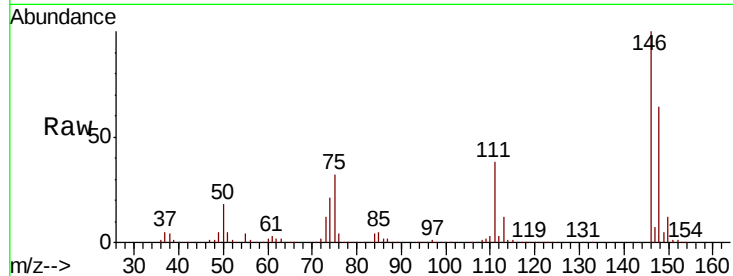
Tot Ion:146 Resp: 952386

Ion Ratio Lower Upper

146 100

111 38.4 28.0 52.0

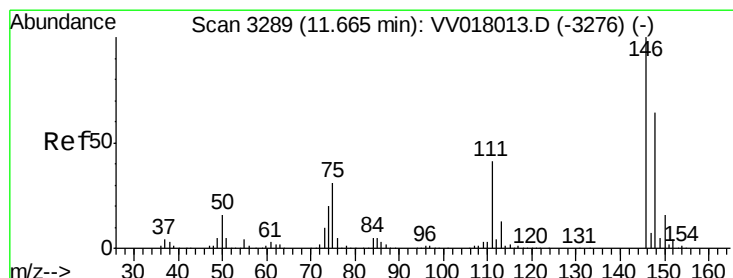
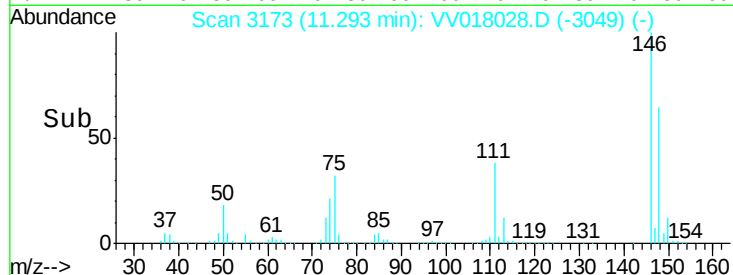
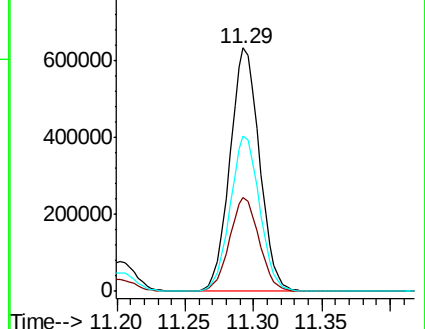
148 63.6 44.2 82.2



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



#65

1,2-Dichlorobenzene

Concen: 254.232 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018028.D

Acq: 17 Aug 2020 15:59

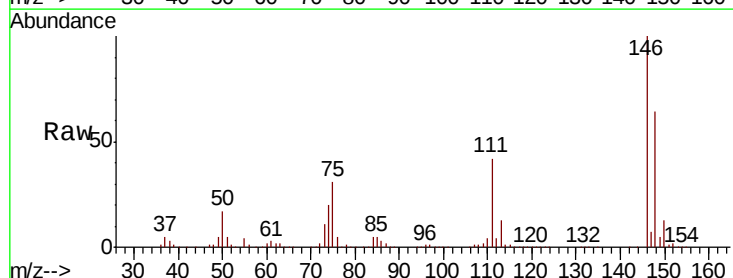
Tgt Ion:146 Resp: 1216328

Ion Ratio Lower Upper

146 100

111 42.1 34.2 51.4

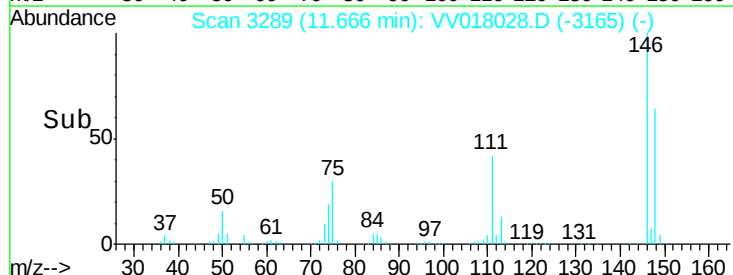
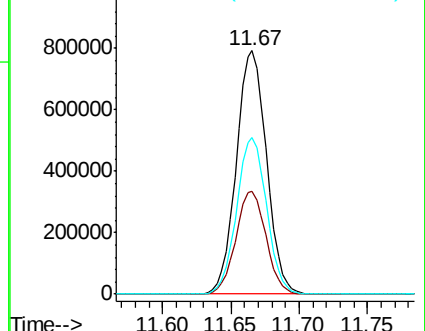
148 64.3 50.6 76.0

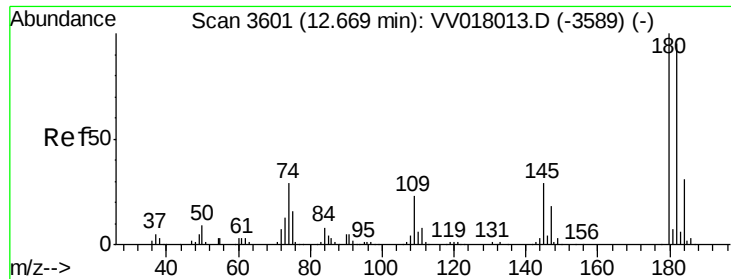


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

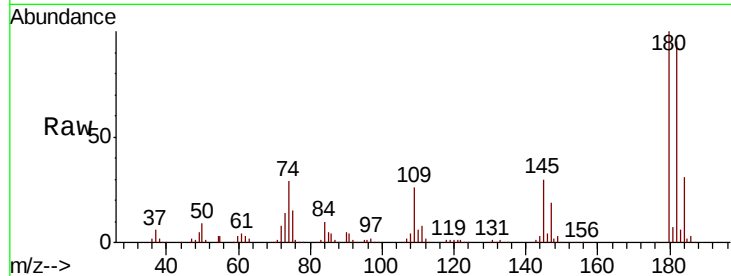




#67
 1,3,5-Trichlorobenzene
 Concen: 53.285 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.61 min
 Lab File: VV018028.D
 Acq: 17 Aug 2020 15:59

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F94

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.2	115.8
184	30.4	24.6	36.8
145	29.4	23.5	35.3

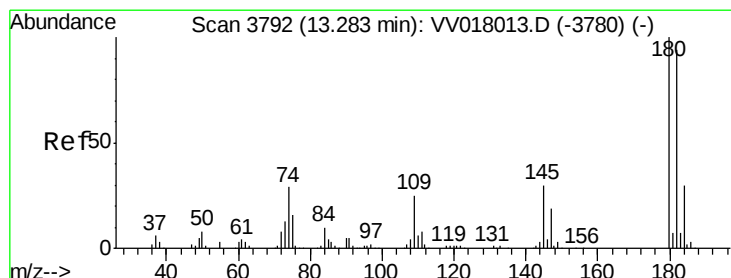
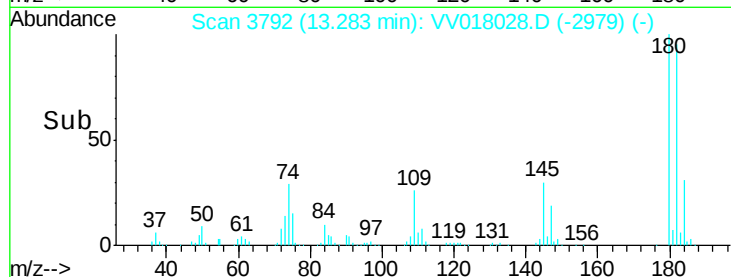
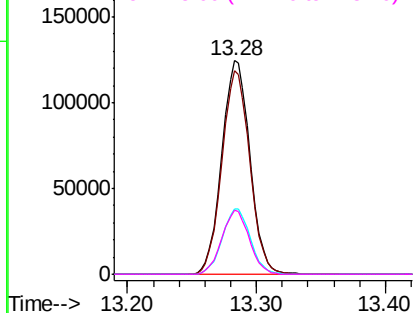


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

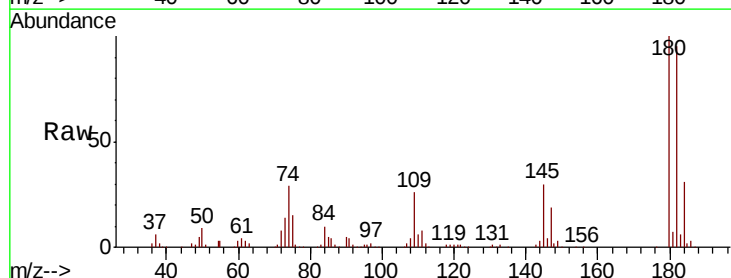
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 60.607 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018028.D
 Acq: 17 Aug 2020 15:59

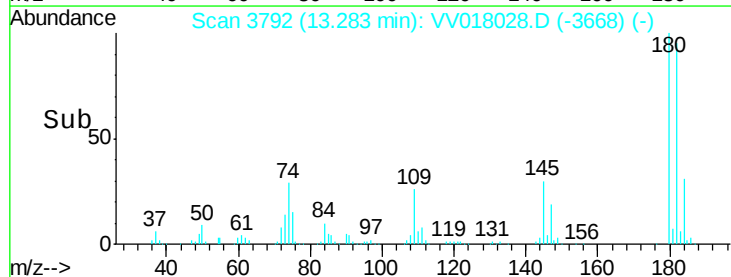
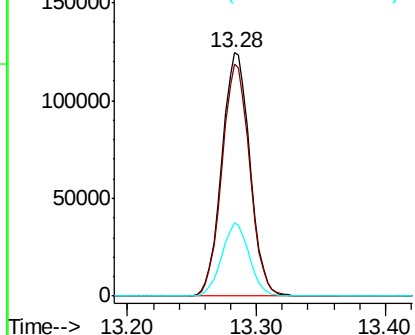
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.4	114.6
145	29.4	24.0	36.0

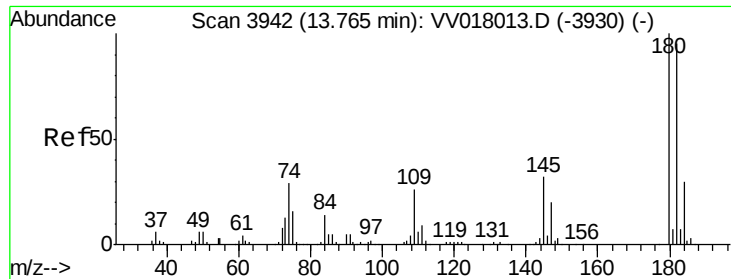


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70

1,2,3-Trichlorobenzene

Concen: 15.512 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018028.D

Acq: 17 Aug 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

C0F94

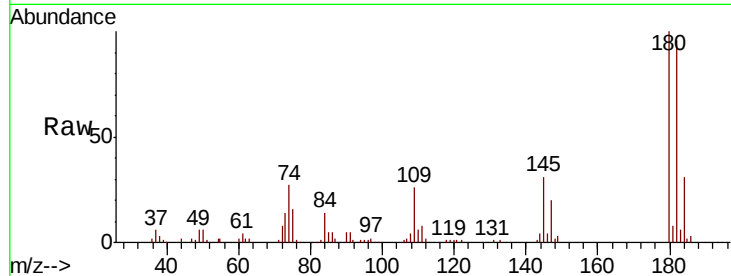
Tot Ion:180 Resp: 48973

Ion Ratio Lower Upper

180 100

182 96.0 76.5 114.7

145 31.5 26.0 39.0



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

