

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081720\
 Data File : VV018016.D
 Acq On : 17 Aug 2020 11:07
 Operator : SY/MD
 Sample : L3684-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F89

Quant Time: Aug 18 01:25:23 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	246362	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	246618	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	123713	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89739	47.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.48%
7) Chloroethane-d5	1.58	69	76871	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.98%
11) 1,1-Dichloroethene-d2	2.12	63	135318	37.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.26%
21) 2-Butanone-d5	3.91	46	108177	87.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.87%
24) Chloroform-d	4.37	84	160519	46.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.82%
26) 1,2-Dichloroethane-d4	5.05	65	113203	50.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.88%
32) Benzene-d6	5.07	84	333280	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.08%
36) 1,2-Dichloropropane-d6	6.09	67	107714	48.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.96%
41) Toluene-d8	7.34	98	292806	47.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.64	79	49083	48.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.40%
47) 2-Hexanone-d5	8.11	63	59289	83.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.15%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	133088	46.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	11.37	152	69	0.03	ug/L	-0.28
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.06%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1162	0.666	ug/L #	20
13) Acetone	2.19	43	18843	14.818	ug/L	96
25) Chloroform	4.40	83	6734	1.933	ug/L	99
33) Benzene	5.13	78	11689	1.532	ug/L	100
35) Methylcyclohexane	6.09	83	25276	8.428	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12001	5.768	ug/L #	87
48) 2-Hexanone	8.11	43	7659	3.492	ug/L #	72
51) Chlorobenzene	8.90	112	204524	39.942	ug/L	99
59) 1,2,3-Trichloropropane	11.21	75	8254	3.212	ug/L #	43
62) 1,3-Dichlorobenzene	11.21	146	27768	7.058	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	216736	53.630	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	912144	225.267	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	1144	1.918	ug/L #	2
67) 1,3,5-Trichlorobenzene	13.28	180	190313	63.683	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	190313	72.433	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	112041	41.932	ug/L	99

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

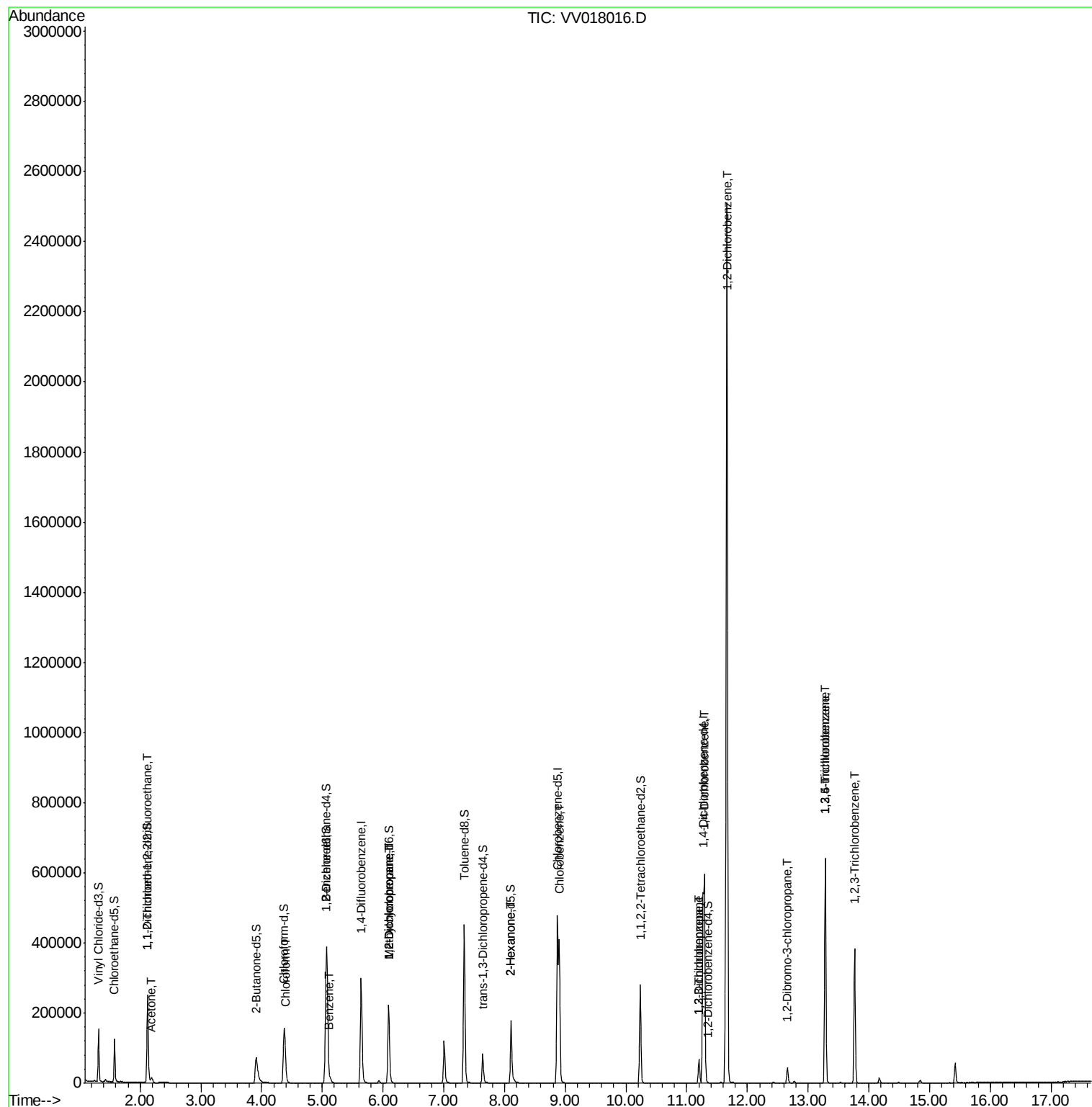
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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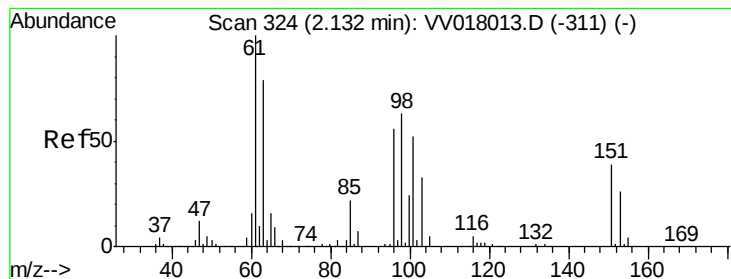
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.666 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018016.D

Acq: 17 Aug 2020 11:07

Instrument :

MSVOA_V

ClientSampled :

C0F89

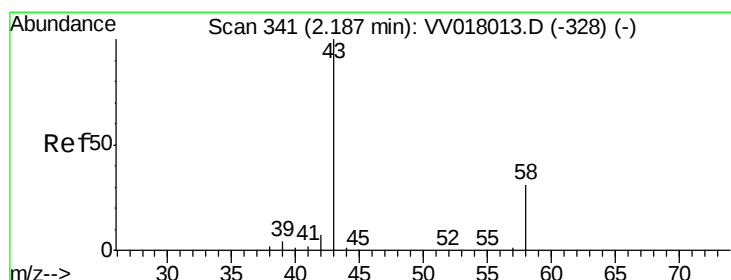
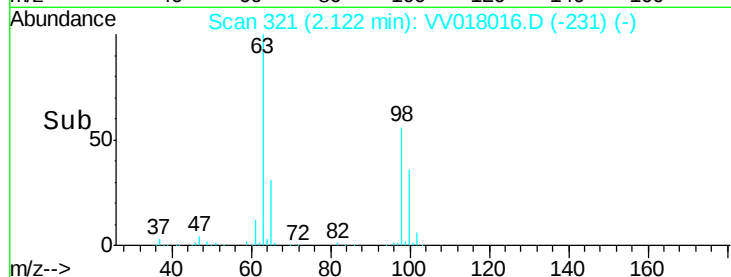
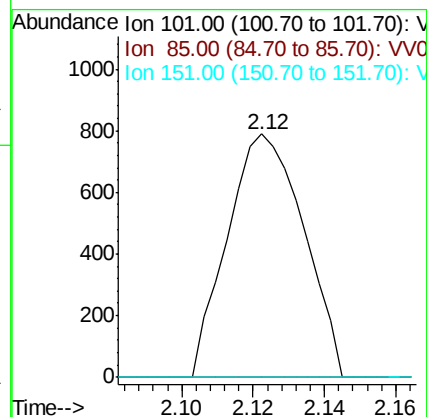
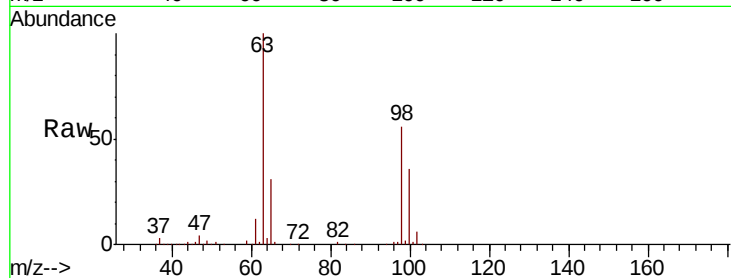
Tot Ion:101 Resp: 1162

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 59.1 88.7#



#13

Acetone

Concen: 14.818 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV018016.D

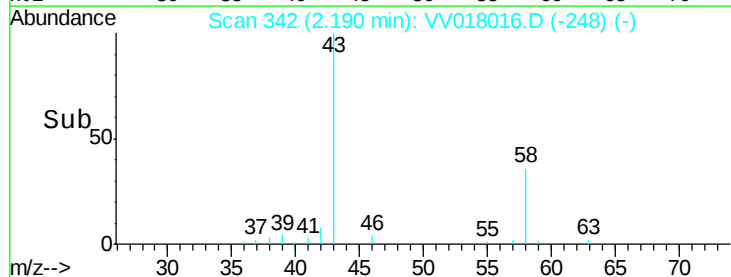
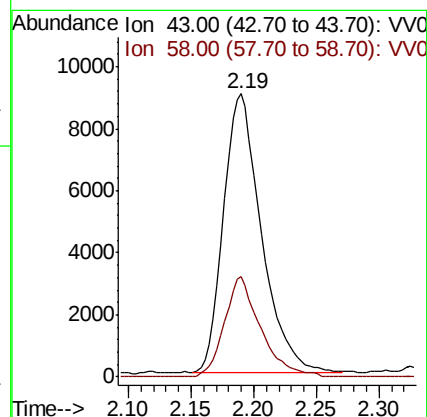
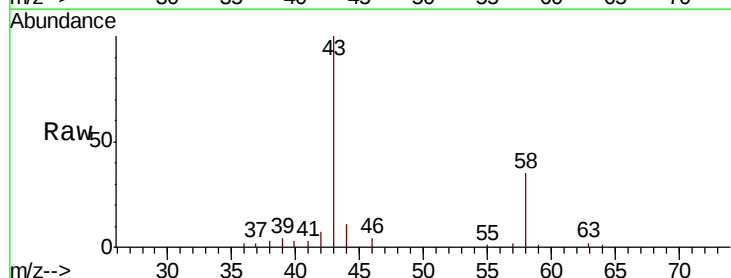
Acq: 17 Aug 2020 11:07

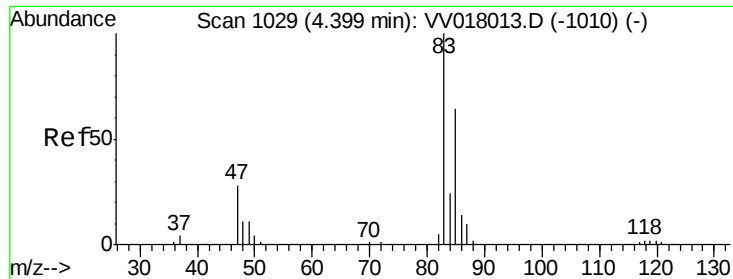
Tgt Ion: 43 Resp: 18843

Ion Ratio Lower Upper

43 100

58 34.2 0.0 63.6

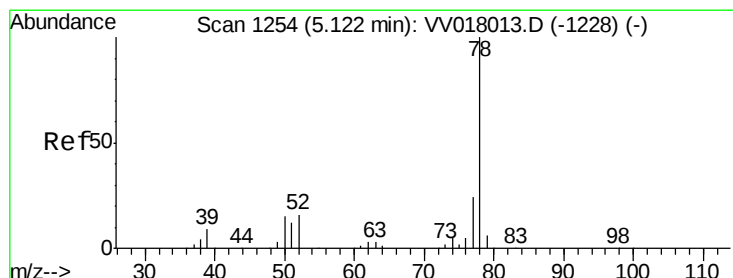
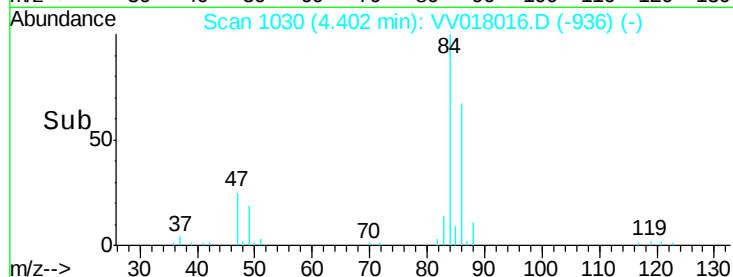
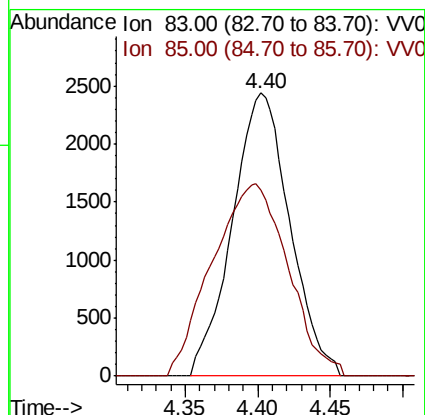
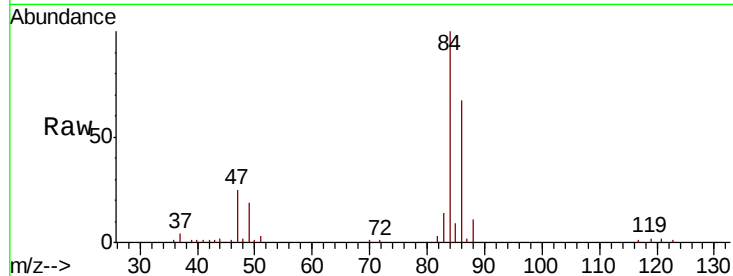




#25
Chloroform
Concen: 1.933 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018016.D
Acq: 17 Aug 2020 11:07

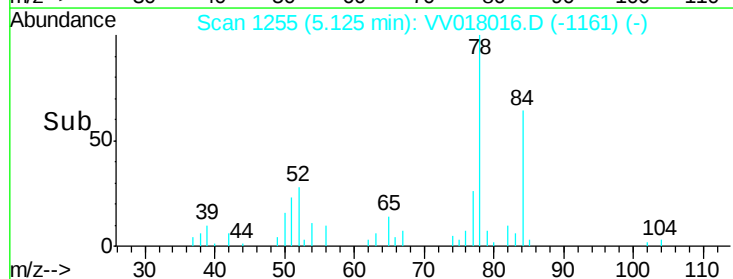
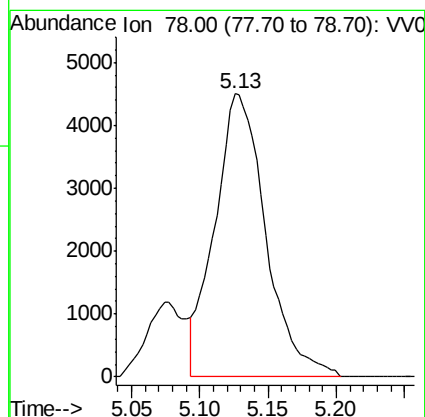
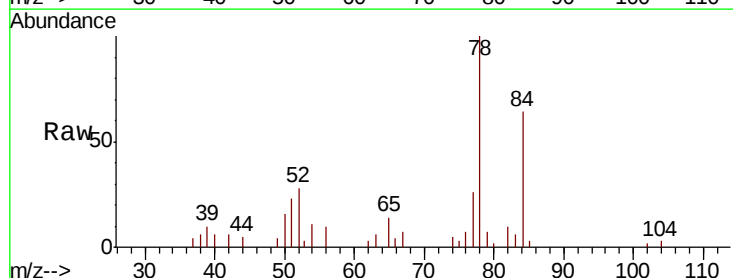
Instrument :
MSVOA_V
ClientSampled :
C0F89

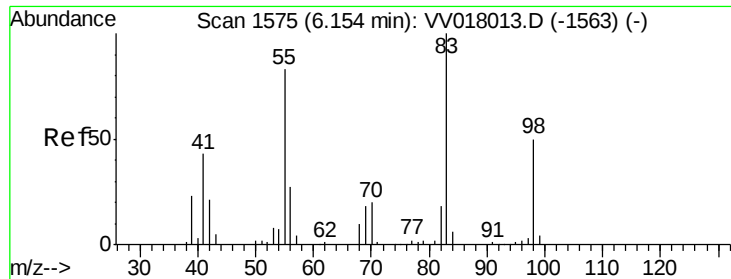
Tot Ion: 83 Resp: 6734
Ion Ratio Lower Upper
83 100
85 66.0 45.5 84.5



#33
Benzene
Concen: 1.532 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV018016.D
Acq: 17 Aug 2020 11:07

Tgt Ion: 78 Resp: 11689

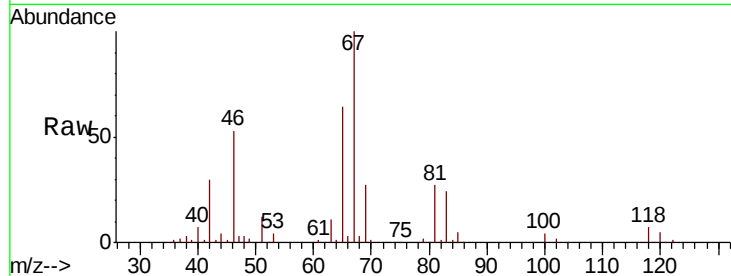




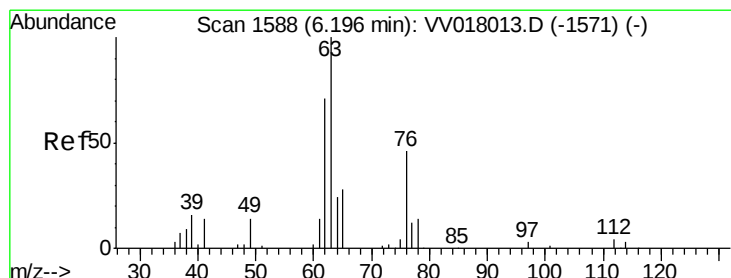
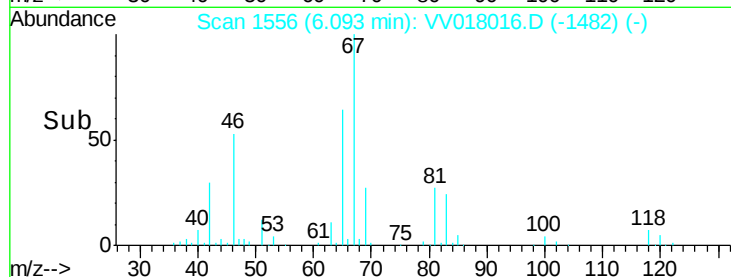
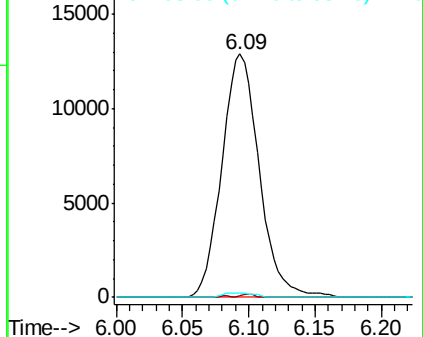
#35
Methvlcvclohexane
Concen: 8.428 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018016.D
Acq: 17 Aug 2020 11:07

Instrument :
MSVOA_V
ClientSampleId :
C0F89

Tot Ion: 83 Resp: 25276
Ion Ratio Lower Upper
83 100
55 0.4 64.9 97.3#
98 1.5 38.7 58.1#

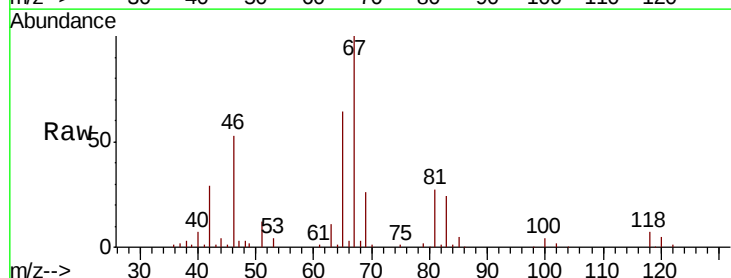


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

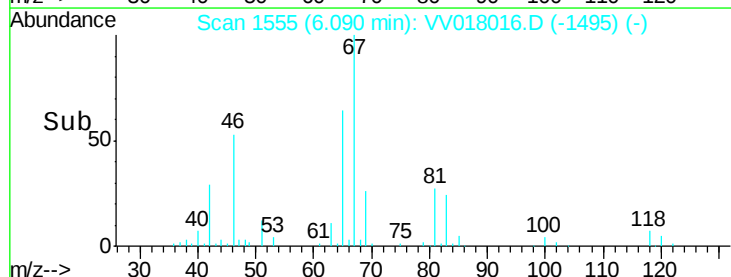
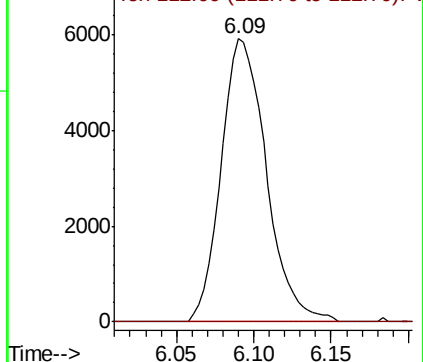


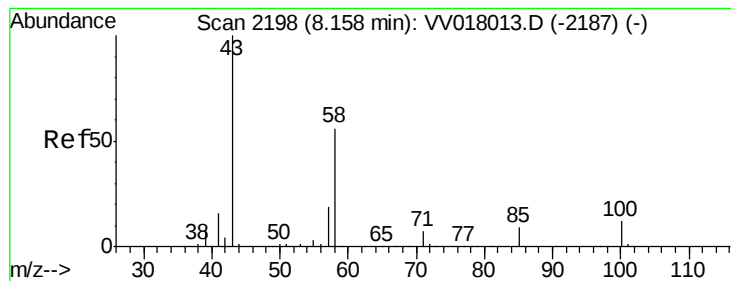
#37
1,2-Dichloropropane
Concen: 5.768 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.11 min
Lab File: VV018016.D
Acq: 17 Aug 2020 11:07

Tgt Ion: 63 Resp: 12001
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#48

2-Hexanone

Concen: 3.492 ug/L

RT: 8.11 min Scan# 2182

Delta R.T. -0.05 min

Lab File: VV018016.D

Acq: 17 Aug 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

C0F89

Tot Ion: 43 Resp: 7659

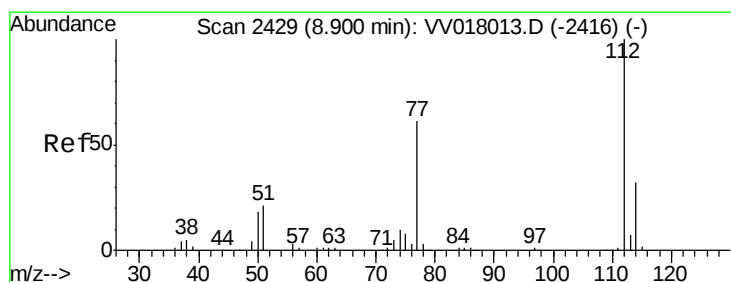
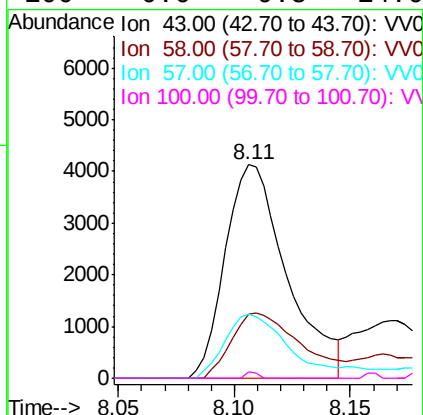
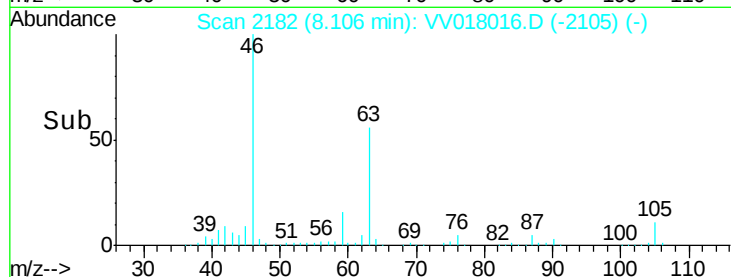
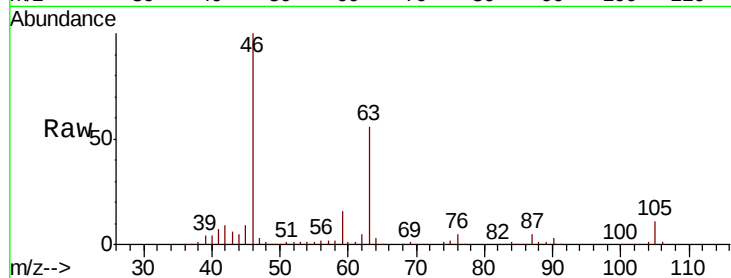
Ion Ratio Lower Upper

43 100

58 34.2 44.4 66.6#

57 30.3 15.2 22.8#

100 0.6 9.8 14.6#



#51

Chlorobenzene

Concen: 39.942 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV018016.D

Acq: 17 Aug 2020 11:07

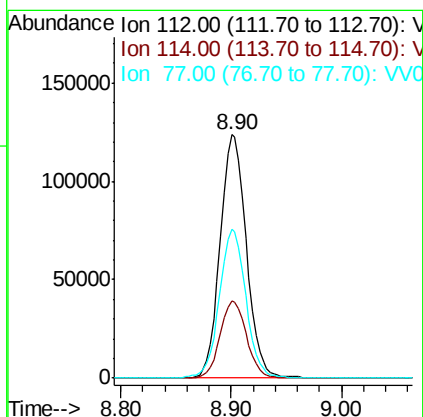
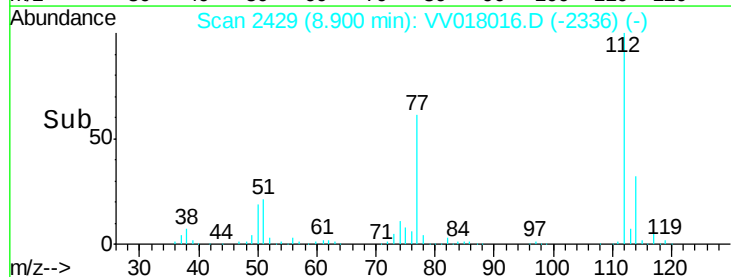
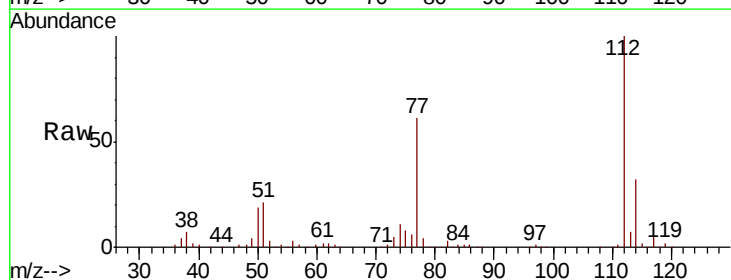
Tgt Ion: 112 Resp: 204524

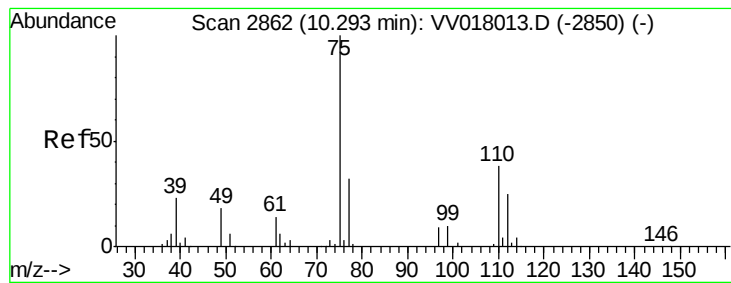
Ion Ratio Lower Upper

112 100

114 31.5 22.7 42.3

77 61.3 49.4 74.2





#59

1,2,3-Trichloropropane

Concen: 3.212 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.91 min

Lab File: VV018016.D

Acq: 17 Aug 2020 11:07

Instrument :

MSVOA_V

ClientSampled :

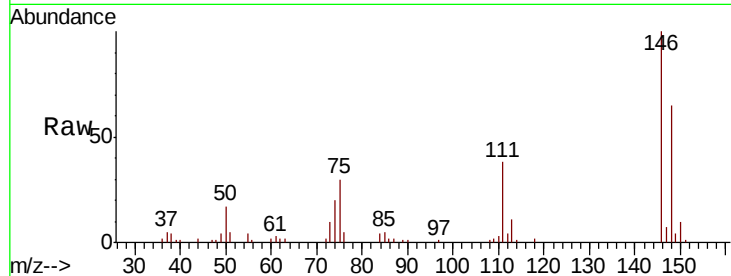
C0F89

Tot Ion: 75 Resp: 8254

Ion Ratio Lower Upper

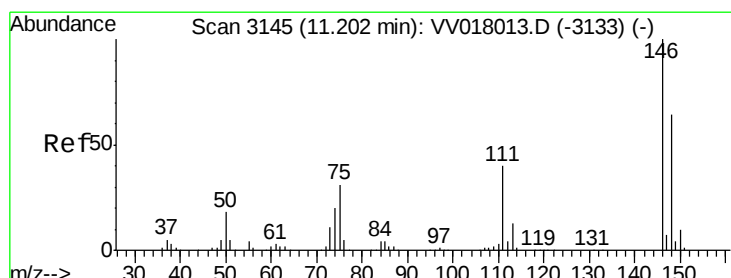
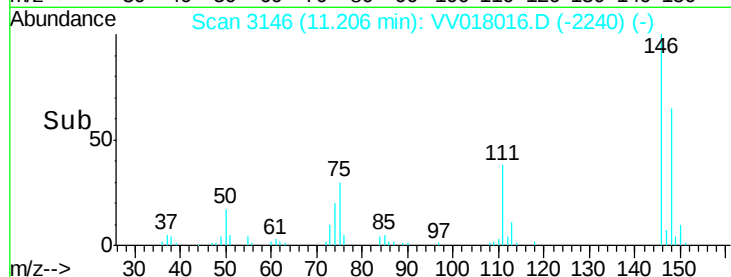
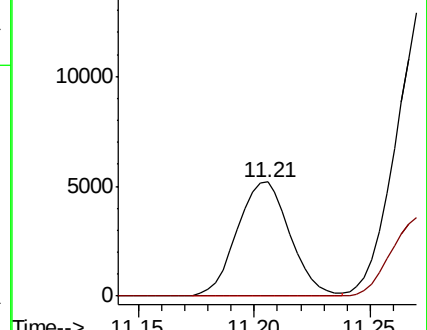
75 100

77 0.0 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV018016.D (-2240) (-)

Ion 77.00 (76.70 to 77.70): VV018016.D (-2240) (-)



#62

1,3-Dichlorobenzene

Concen: 7.058 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV018016.D

Acq: 17 Aug 2020 11:07

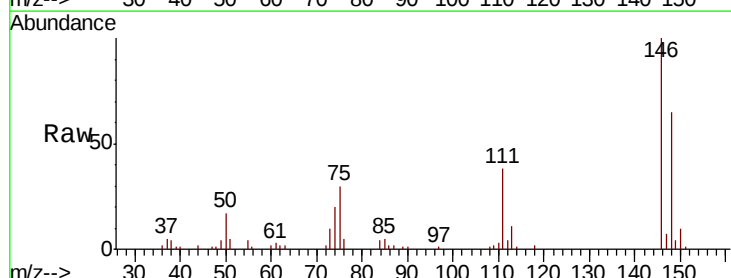
Tgt Ion: 146 Resp: 27768

Ion Ratio Lower Upper

146 100

111 38.3 28.8 53.4

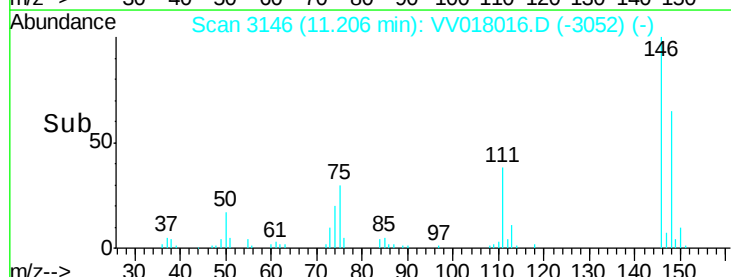
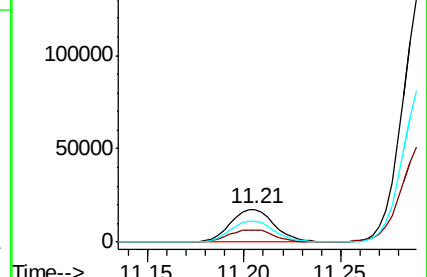
148 64.7 44.9 83.5

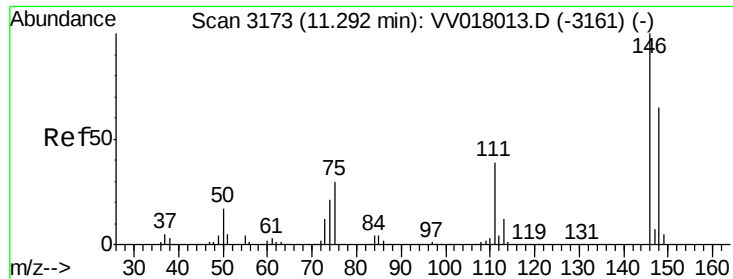


Abundance Ion 146.00 (145.70 to 146.70): VV018016.D (-3052) (-)

Ion 111.00 (110.70 to 111.70): VV018016.D (-3052) (-)

Ion 148.00 (147.70 to 148.70): VV018016.D (-3052) (-)

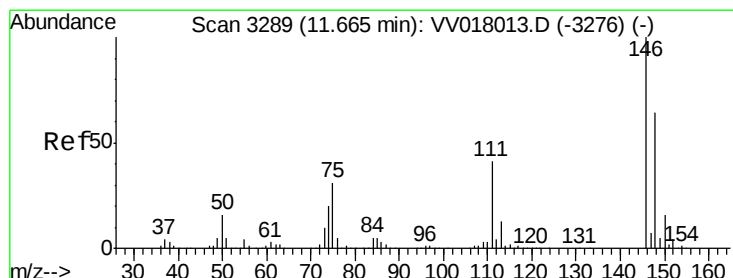
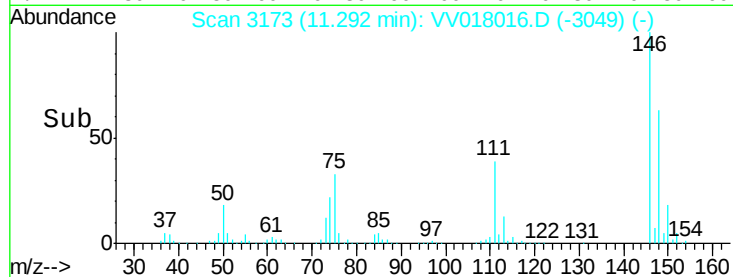
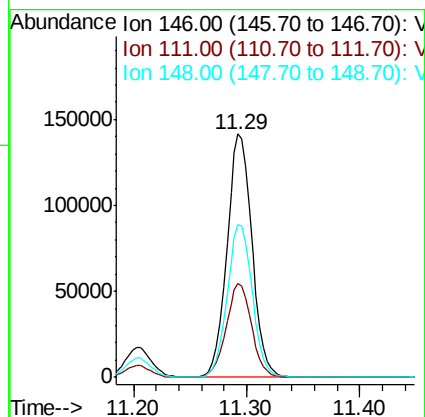
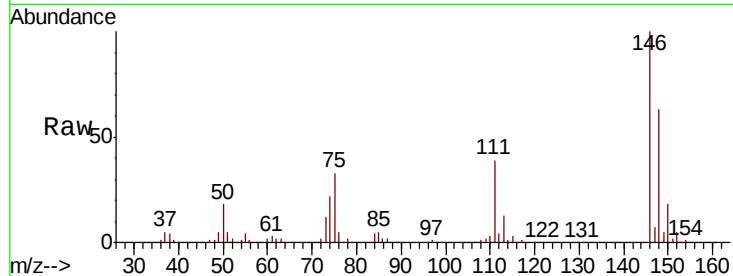




#63
 1,4-Dichlorobenzene
 Concen: 53.630 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018016.D
 Acq: 17 Aug 2020 11:07

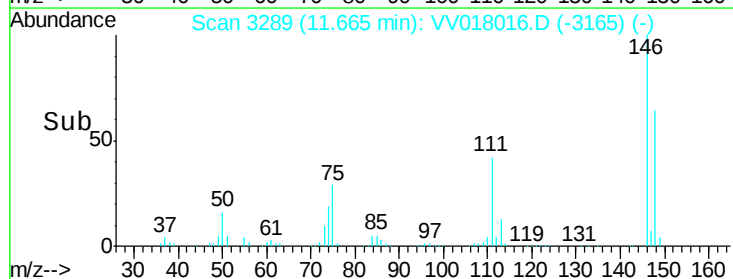
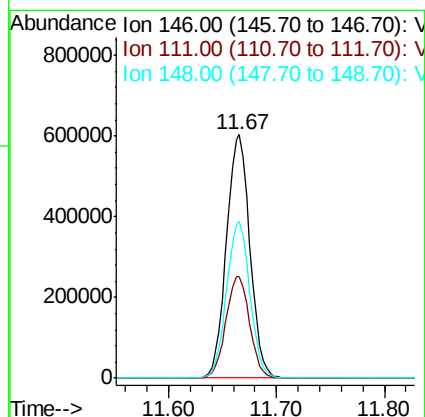
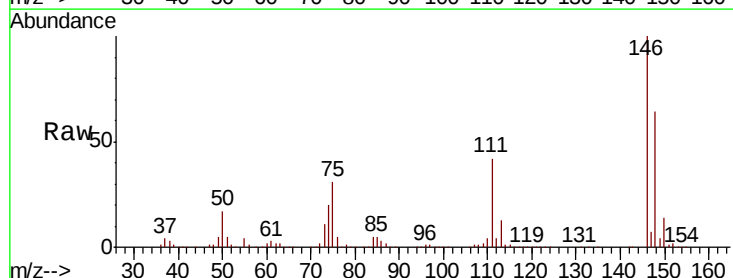
Instrument :
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 C0F89

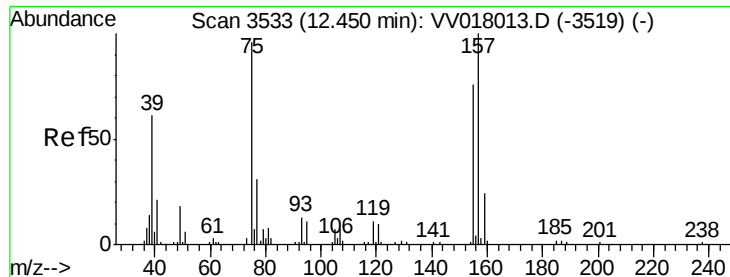
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	28.0	52.0
148	63.0	44.2	82.2



#65
 1,2-Dichlorobenzene
 Concen: 225.267 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018016.D
 Acq: 17 Aug 2020 11:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	34.2	51.4
148	64.4	50.6	76.0





#66

1,2-Dibromo-3-chloropropane

Concen: 1.918 ug/L

RT: 12.66 min Scan# 3598

Delta R.T. 0.21 min

Lab File: VV018016.D

Acq: 17 Aug 2020 11:07

Instrument :

MSVOA_V

ClientSampleId :

C0F89

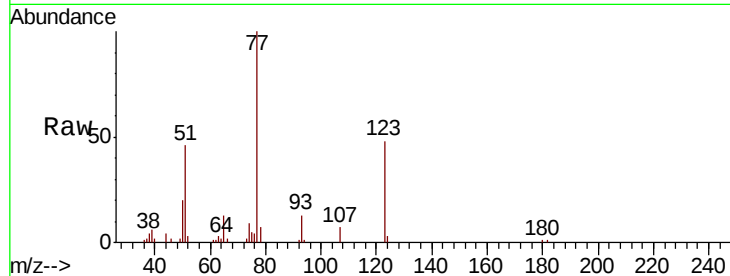
Tot Ion: 75 Resp: 1144

Ion Ratio Lower Upper

75 100

155 0.0 67.6 101.4#

157 0.0 84.3 126.5#



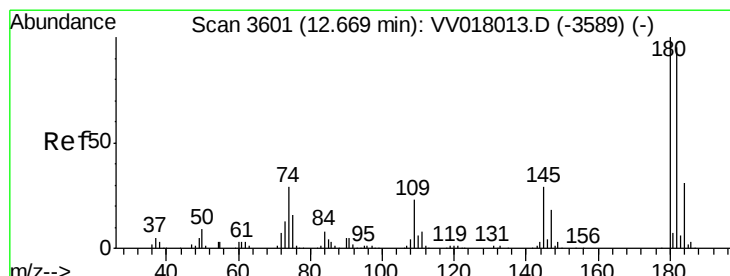
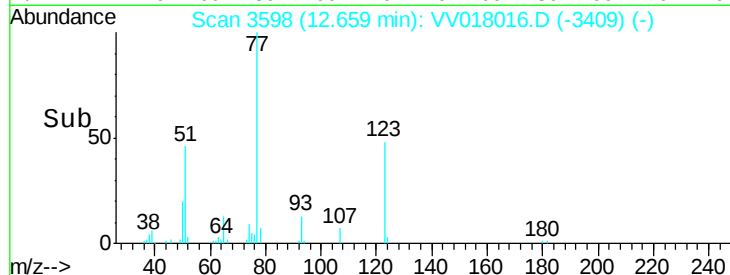
Abundance Ion 75.00 (74.70 to 75.70): VV018013.D (-3519) (-)

Ion 155.00 (154.70 to 155.70): VV018013.D (-3519) (-)

Ion 157.00 (156.70 to 157.70): VV018013.D (-3519) (-)

12.66

Time--> 12.60 12.65 12.70



#67

1,3,5-Trichlorobenzene

Concen: 63.683 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.61 min

Lab File: VV018016.D

Acq: 17 Aug 2020 11:07

Tgt Ion: 180 Resp: 190313

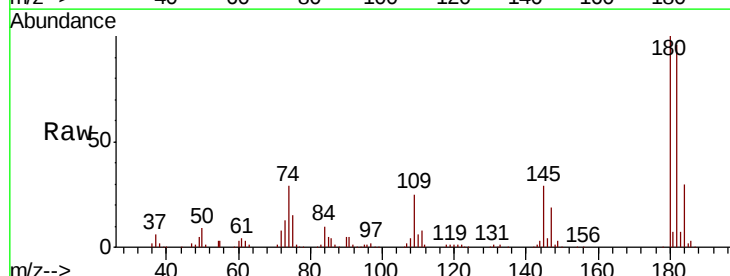
Ion Ratio Lower Upper

180 100

182 95.2 77.2 115.8

184 30.4 24.6 36.8

145 29.3 23.5 35.3



Abundance Ion 180.00 (179.70 to 180.70): VV018013.D (-3589) (-)

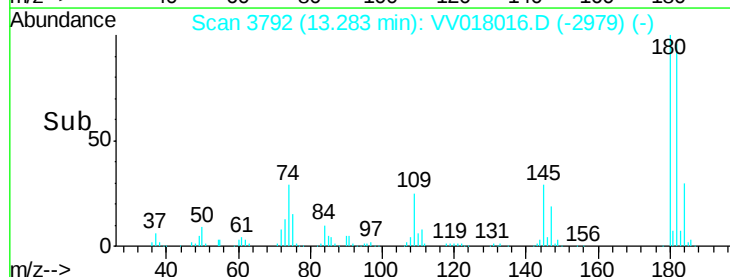
Ion 182.00 (181.70 to 182.70): VV018013.D (-3589) (-)

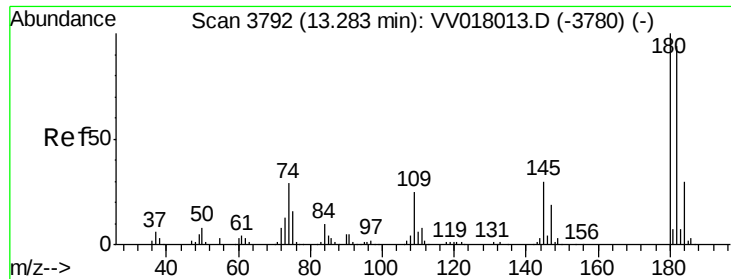
Ion 184.00 (183.70 to 184.70): VV018013.D (-3589) (-)

Ion 145.00 (144.70 to 145.70): VV018013.D (-3589) (-)

13.28

Time--> 13.20 13.30

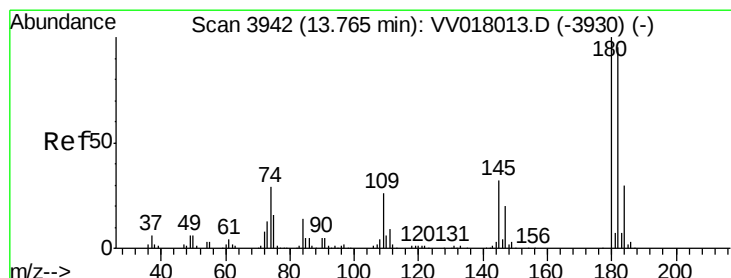
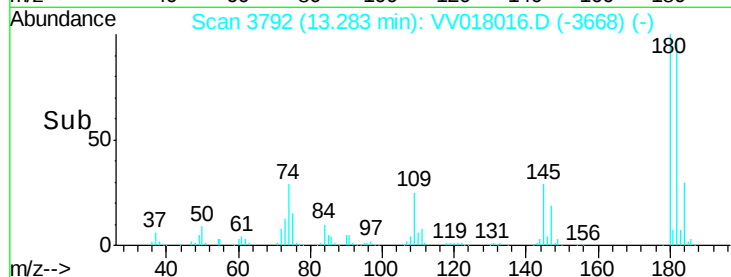
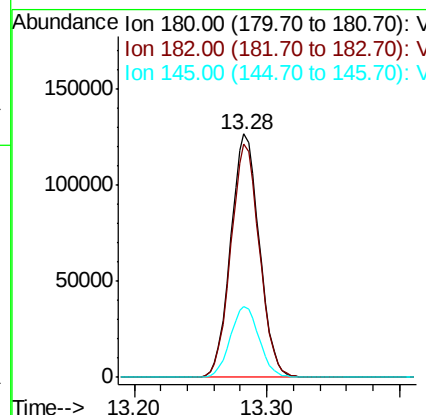
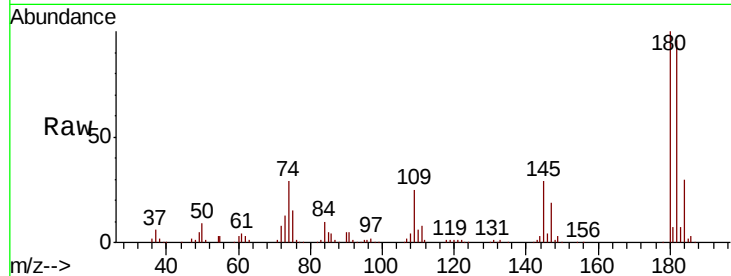




#68
 1,2,4-trichlorobenzene
 Concen: 72.433 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018016.D
 Acq: 17 Aug 2020 11:07

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F89

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.4	114.6
145	29.3	24.0	36.0



#70
 1,2,3-Trichlorobenzene
 Concen: 41.932 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV018016.D
 Acq: 17 Aug 2020 11:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.5	114.7
145	31.7	26.0	39.0

