

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081720\
 Data File : VV018018.D
 Acq On : 17 Aug 2020 12:04
 Operator : SY/MD
 Sample : L3684-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F91

Quant Time: Aug 18 01:25:45 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	235443	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	235349	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	112512	50.00	ug/L	0.00

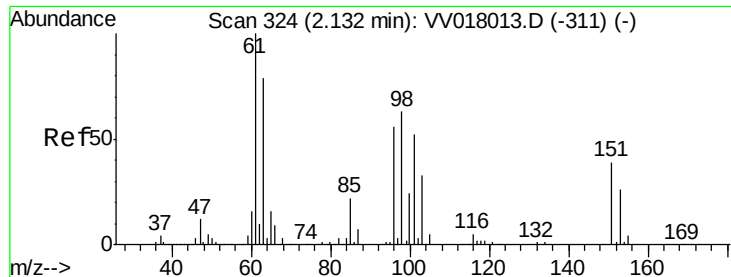
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	90079	50.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.28%
7) Chloroethane-d5	1.58	69	77780	52.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.84%
11) 1,1-Dichloroethene-d2	2.12	63	135139	39.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.66%
21) 2-Butanone-d5	3.91	46	119029	101.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.17%
24) Chloroform-d	4.38	84	164694	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.72%
26) 1,2-Dichloroethane-d4	5.05	65	115898	54.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.14%
32) Benzene-d6	5.07	84	335805	51.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.54%
36) 1,2-Dichloropropane-d6	6.09	67	110637	52.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.34%
41) Toluene-d8	7.34	98	296868	50.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.78%
43) trans-1,3-Dichloropropene-	7.64	79	50409	52.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.82%
47) 2-Hexanone-d5	8.11	63	60353	88.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.69%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	135772	49.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.34%
64) 1,2-Dichlorobenzene-d4	11.65	152	123958	55.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1165	0.698	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	1102	0.698	ug/L #	1
13) Acetone	2.19	43	1584	1.303	ug/L	88
25) Chloroform	4.40	83	13798	4.144	ug/L	88
35) Methylcyclohexane	6.09	83	25901	9.050	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	11913	5.999	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2897	1.029	ug/L #	55
51) Chlorobenzene	8.90	112	4226	0.865	ug/L	94
59) 1,2,3-Trichloropropane	11.27	75	14496	5.911	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	2644	0.719	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	20092	5.456	ug/L	98
67) 1,3,5-Trichlorobenzene	13.29	180	2803	1.031	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	2803	1.173	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	2678	1.102	ug/L	98

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



#10

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

Concen: 0.698 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV018018.D

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C0F91

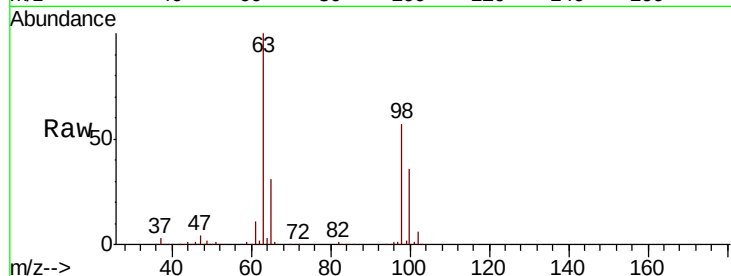
Tot Ion:101 Resp: 1165

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

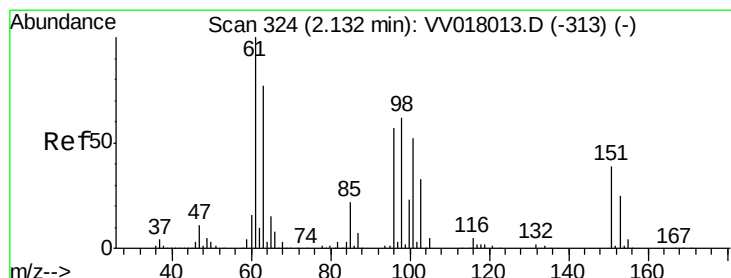
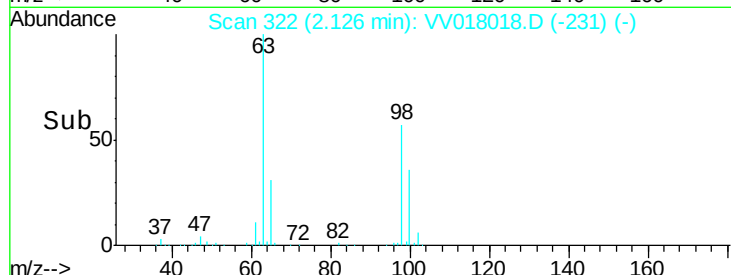
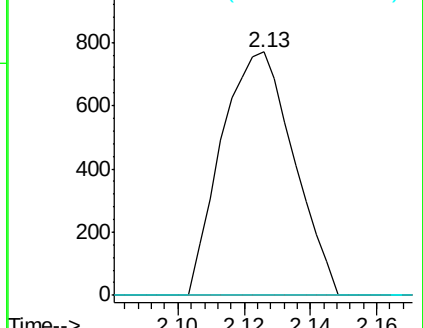
151 0.0 59.1 88.7#



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: 0.698 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018018.D

Acq: 17 Aug 2020 12:04

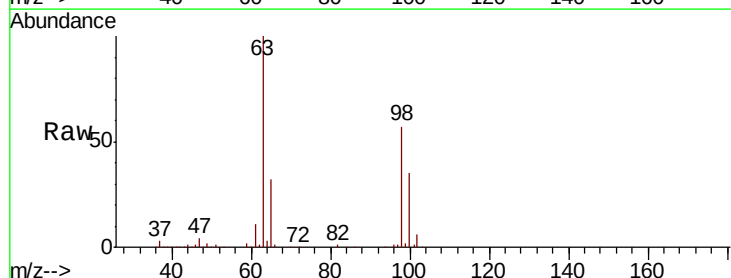
Tgt Ion: 96 Resp: 1102

Ion Ratio Lower Upper

96 100

61 1442.5 127.1 236.0#

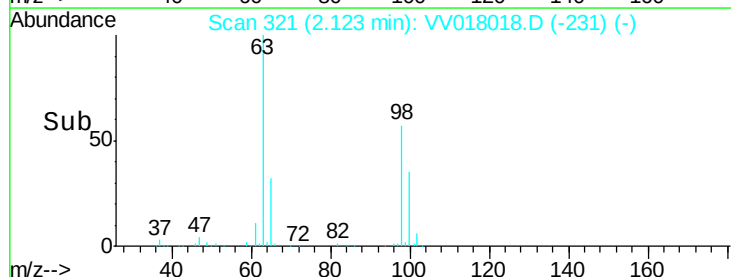
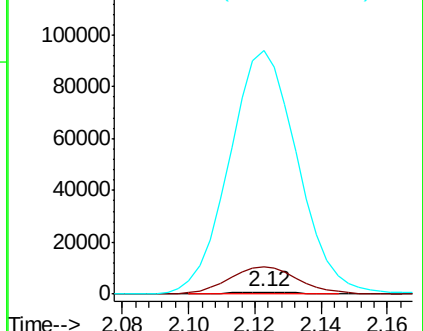
63 12714.5 95.2 176.8#

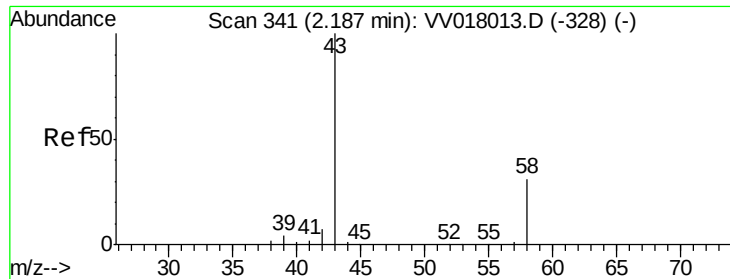


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.303 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV018018.D

Acq: 17 Aug 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

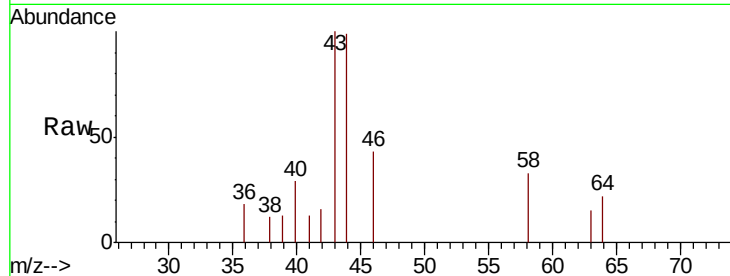
C0F91

Tot Ion: 43 Resp: 1584

Ion Ratio Lower Upper

43 100

58 25.1 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV018013.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV018013.D (-328) (-)

2.19

800

600

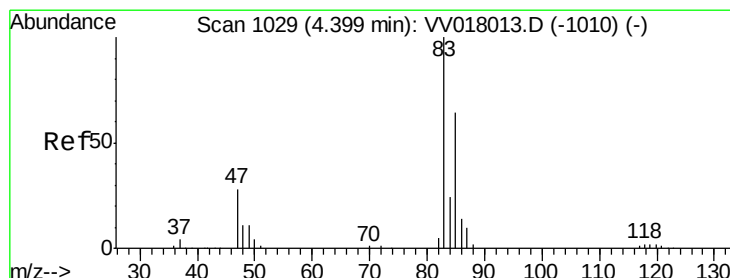
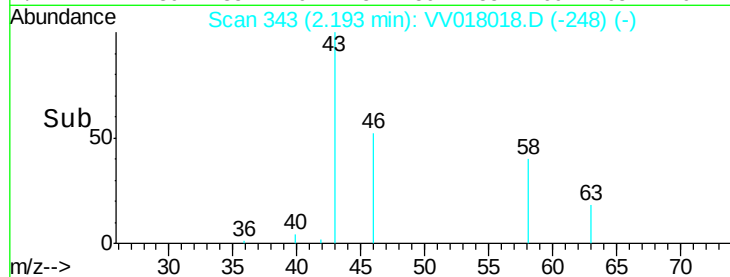
400

200

0

Time-->

2.15 2.20 2.25



#25

Chloroform

Concen: 4.144 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV018018.D

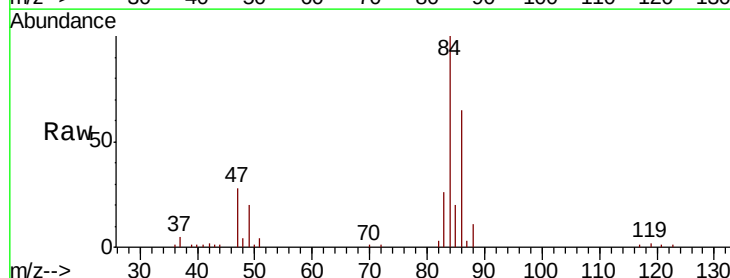
Acq: 17 Aug 2020 12:04

Tgt Ion: 83 Resp: 13798

Ion Ratio Lower Upper

83 100

85 74.2 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV018013.D (-1010) (-)

Ion 85.00 (84.70 to 85.70): VV018013.D (-1010) (-)

4.40

6000

5000

4000

3000

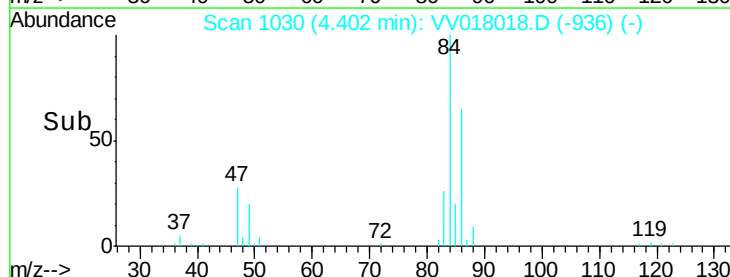
2000

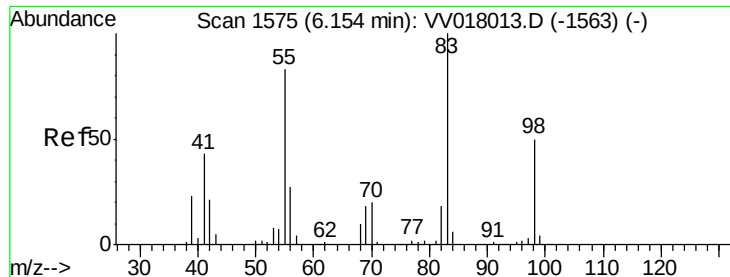
1000

0

Time-->

4.30 4.35 4.40 4.45 4.50

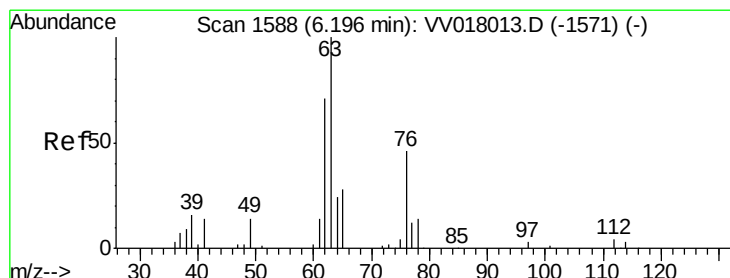
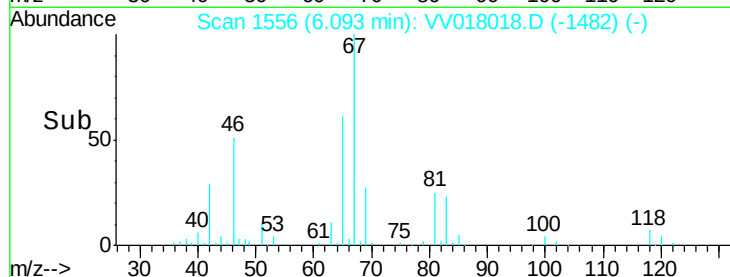
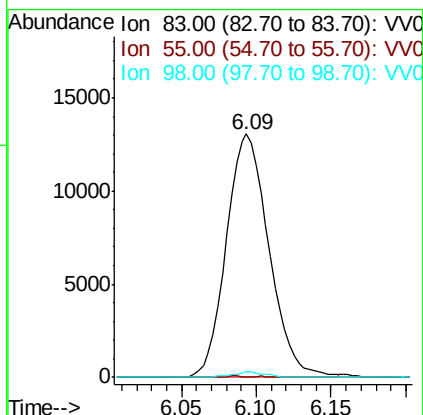
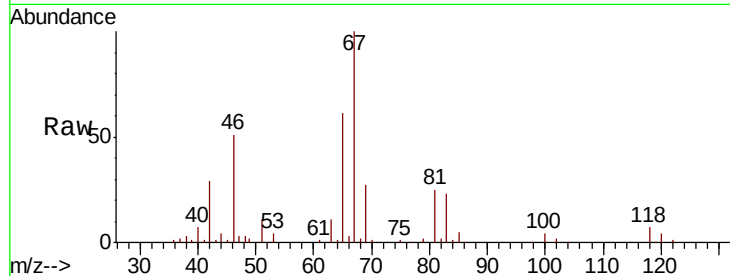




#35
Methylvlcyclohexane
Concen: 9.050 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018018.D
Acq: 17 Aug 2020 12:04

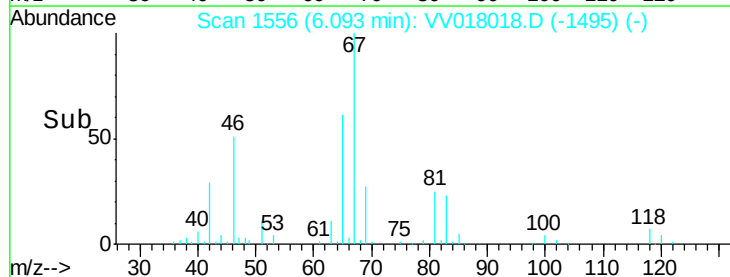
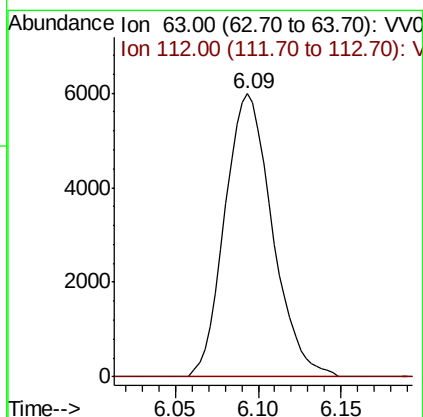
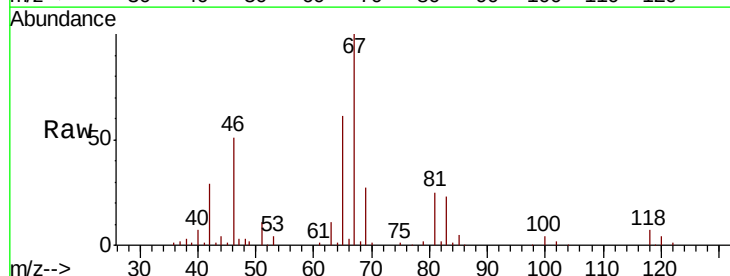
Instrument :
MSVOA_V
ClientSampleId :
C0F91

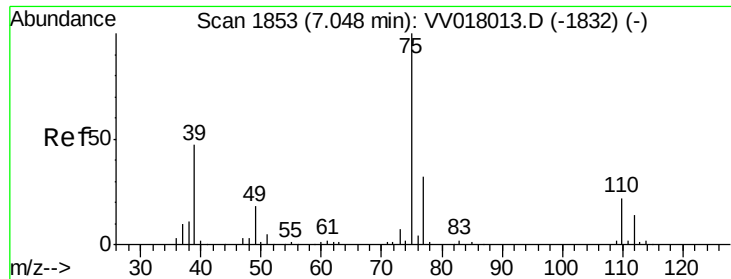
Tot Ion	Ratio	Lower	Upper
83	100		
55	0.2	64.9	97.3#
98	1.7	38.7	58.1#



#37
1,2-Dichloropropane
Concen: 5.999 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018018.D
Acq: 17 Aug 2020 12:04

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

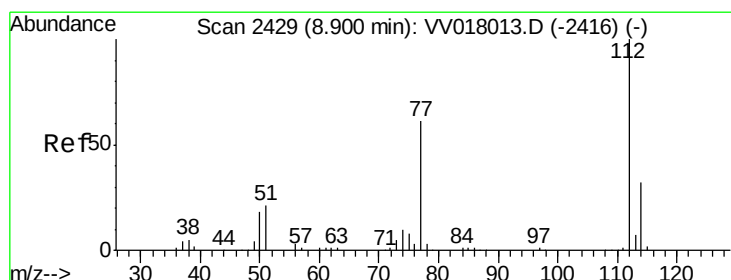
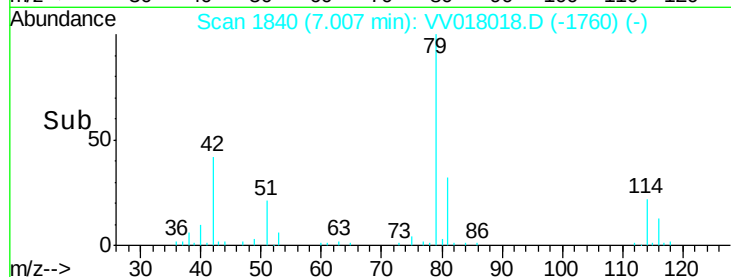
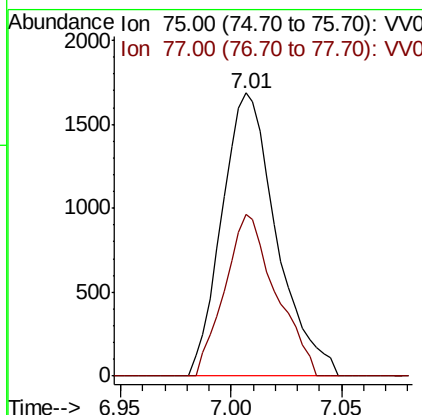
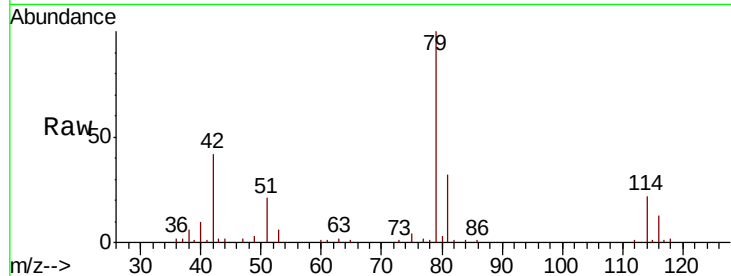




#39
 cis-1,3-Dichloropropene
 Concen: 1.029 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018018.D
 Acq: 17 Aug 2020 12:04

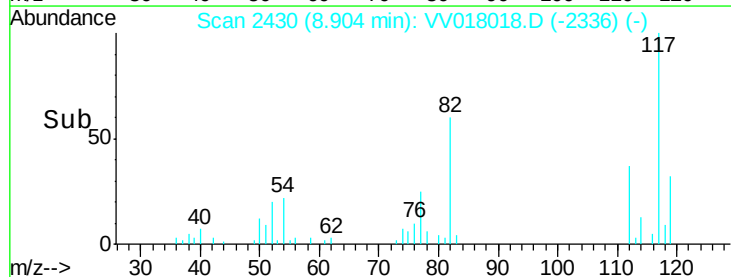
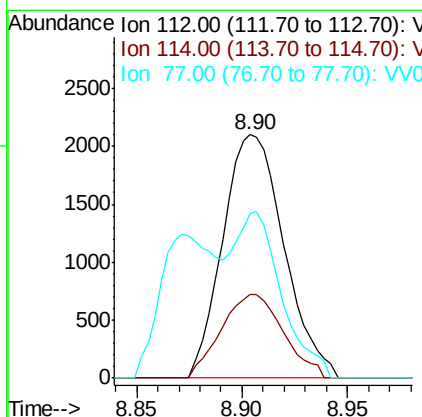
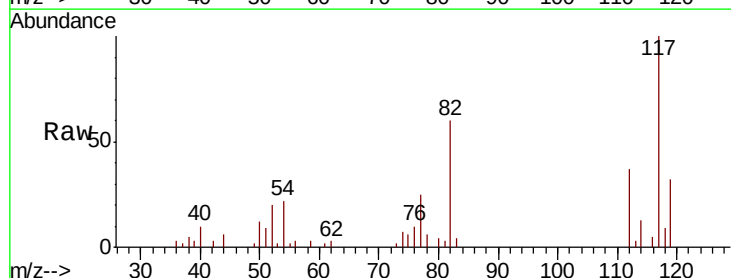
Instrument :
 MSVOA_V
 ClientSampleId :
 C0F91

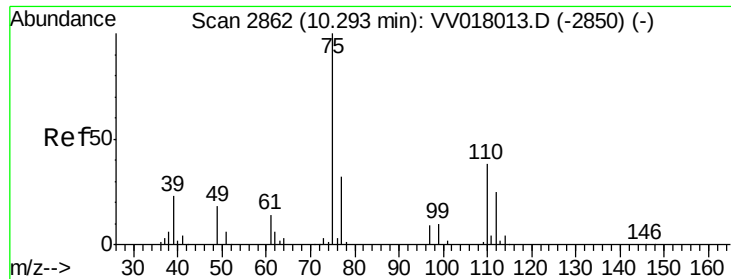
Tot Ion: 75 Resp: 2897
 Ion Ratio Lower Upper
 75 100
 77 57.2 22.3 41.5#



#51
 Chlorobenzene
 Concen: 0.865 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018018.D
 Acq: 17 Aug 2020 12:04

Tgt Ion: 112 Resp: 4226
 Ion Ratio Lower Upper
 112 100
 114 34.5 22.7 42.3
 77 67.3 49.4 74.2





#59

1,2,3-Trichloropropane

Concen: 5.911 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018018.D

Acq: 17 Aug 2020 12:04

Instrument :

MSVOA_V

ClientSampled :

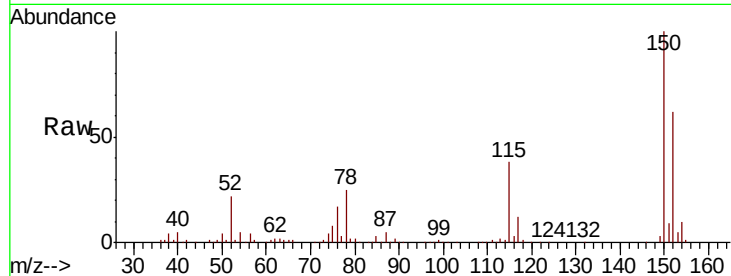
C0F91

Tot Ion: 75 Resp: 14496

Ion Ratio Lower Upper

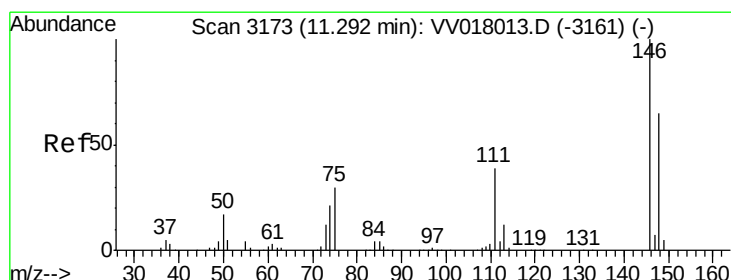
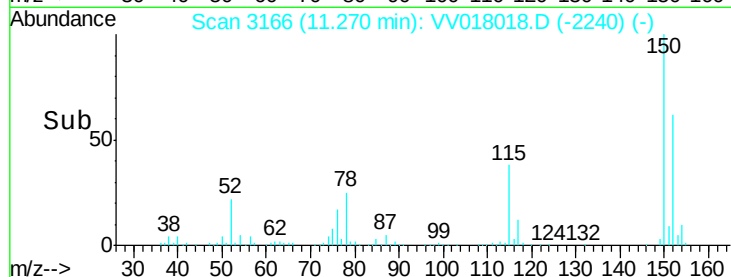
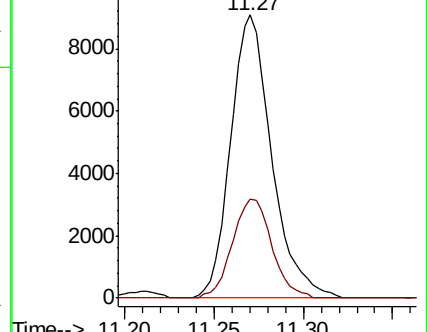
75 100

77 33.5 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) (-)



#63

1,4-Dichlorobenzene

Concen: 0.719 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV018018.D

Acq: 17 Aug 2020 12:04

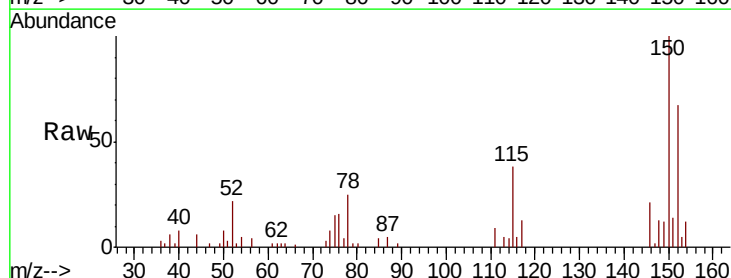
Tgt Ion: 146 Resp: 2644

Ion Ratio Lower Upper

146 100

111 41.9 28.0 52.0

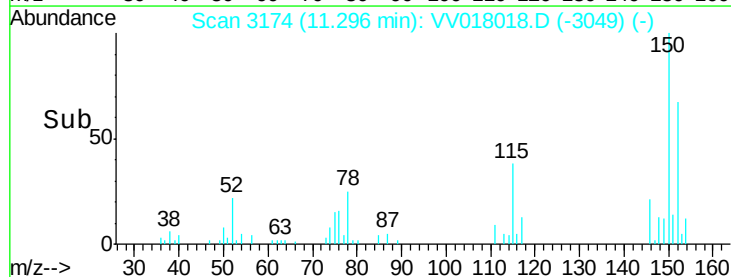
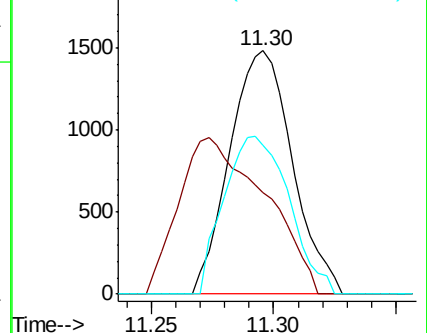
148 61.4 44.2 82.2

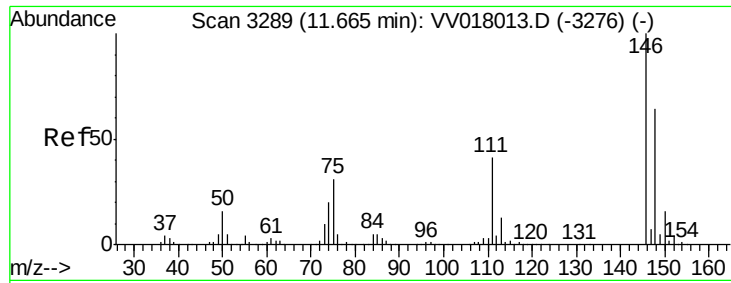


Abundance Ion 146.00 (145.70 to 146.70): VV018013.D (-3161) (-)

Ion 111.00 (110.70 to 111.70): VV018013.D (-3161) (-)

Ion 148.00 (147.70 to 148.70): VV018013.D (-3161) (-)





#65

1,2-Dichlorobenzene

Concen: 5.456 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018018.D

Acq: 17 Aug 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

C0F91

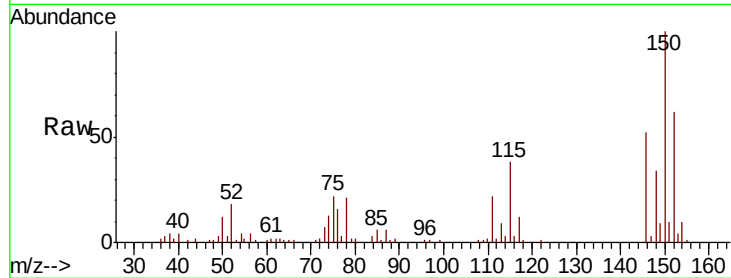
Tot Ion:146 Resp: 20092

Ion Ratio Lower Upper

146 100

111 42.5 34.2 51.4

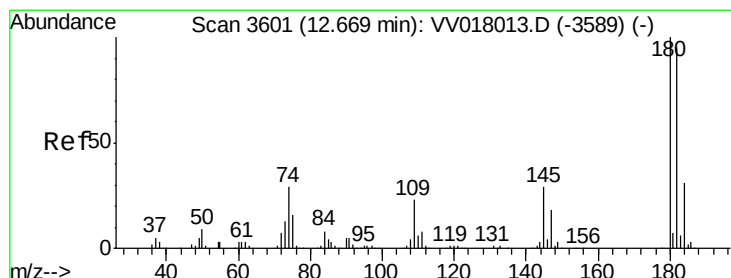
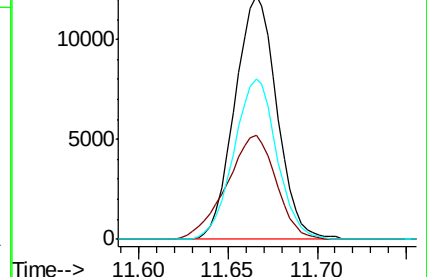
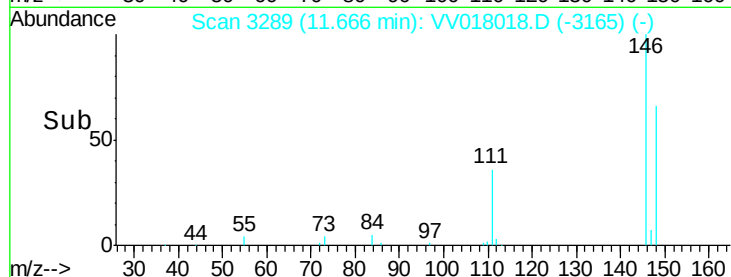
148 65.7 50.6 76.0



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: 1.031 ug/L

RT: 13.29 min Scan# 3794

Delta R.T. 0.62 min

Lab File: VV018018.D

Acq: 17 Aug 2020 12:04

Tgt Ion:180 Resp: 2803

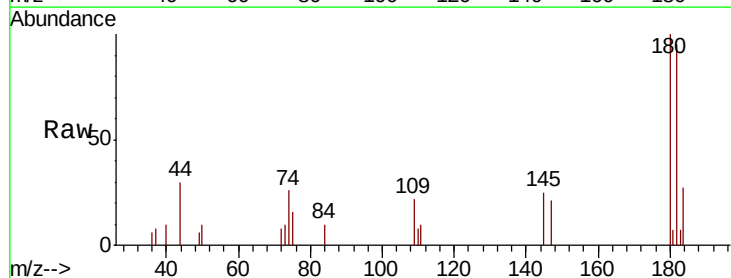
Ion Ratio Lower Upper

180 100

182 97.0 77.2 115.8

184 30.1 24.6 36.8

145 29.7 23.5 35.3

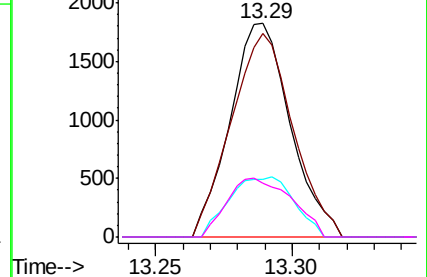
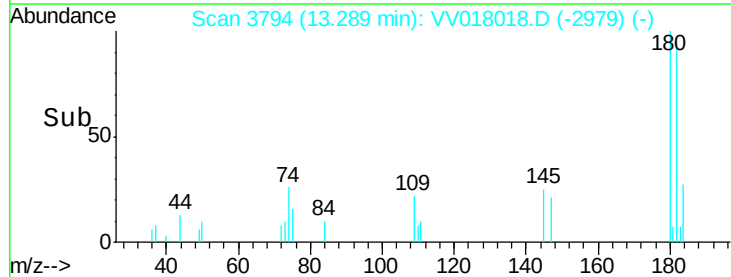


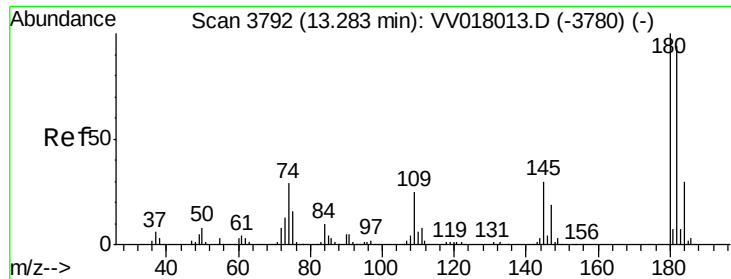
Abundance Ion 180.00 (179.70 to 180.70): V

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

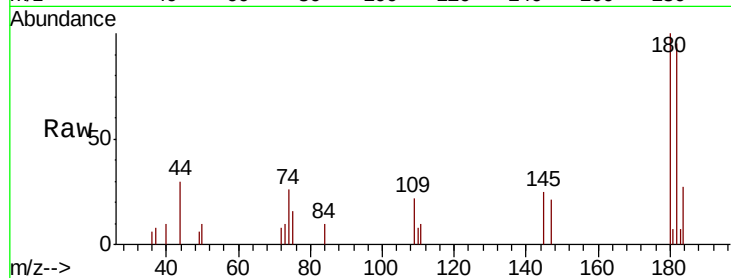




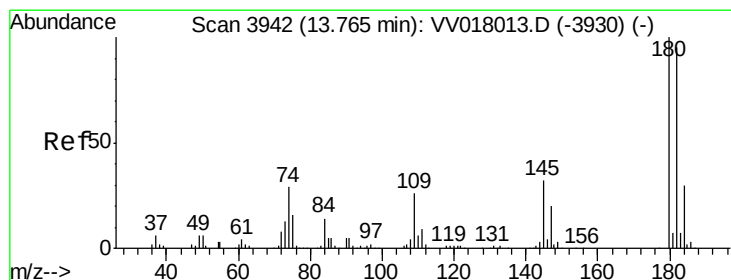
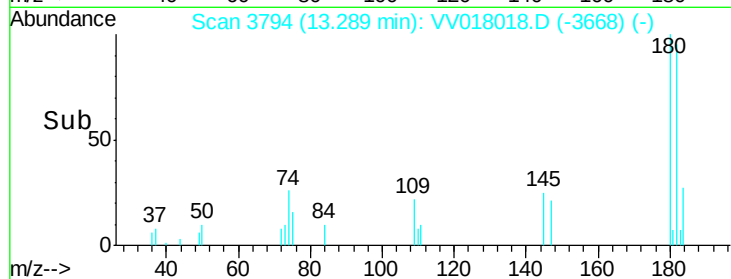
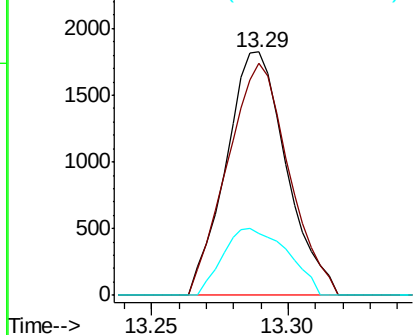
#68
 1,2,4-trichlorobenzene
 Concen: 1.173 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018018.D
 Acq: 17 Aug 2020 12:04

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F91

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.4	114.6
145	29.7	24.0	36.0

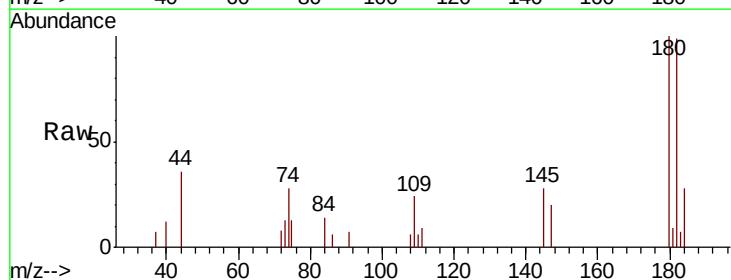


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 1.102 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV018018.D
 Acq: 17 Aug 2020 12:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.5	114.7
145	28.9	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

