

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014946.D
 Acq On : 16 Mar 2020 15:18
 Operator : SY/MD
 Sample : L1890-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD1

Manual Integrations
 APPROVED

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Quant Time: Mar 18 03:53:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 03:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	367968	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	373013	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	208226	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	112954	46.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.16%
7) Chloroethane-d5	1.58	69	85844	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.30%
11) 1,1-Dichloroethene-d2	2.12	63	138099	36.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.44%
21) 2-Butanone-d5	3.93	46	117499	78.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.61%
24) Chloroform-d	4.38	84	234703	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.90%
26) 1,2-Dichloroethane-d4	5.06	65	155736	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.26%
32) Benzene-d6	5.08	84	493146	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
36) 1,2-Dichloropropane-d6	6.10	67	144242	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.28%
41) Toluene-d8	7.34	98	471001	46.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.68%
43) trans-1,3-Dichloropropene-	7.64	79	73260	45.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.06%
47) 2-Hexanone-d5	8.12	63	132367	95.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.83%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	201434	44.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	216882	47.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.10%

Target Compounds

					Ovalue
25) Chloroform	4.41	83	12290	2.551 ug/L	88
31) Carbon tetrachloride	4.86	117	5149	1.302 ug/L	# 45
33) Benzene	5.13	78	4336064	427.196 ug/L	100
51) Chlorobenzene	8.91	112	16050400m	2040.727 ug/L	
62) 1,3-Dichlorobenzene	11.20	146	1081298	157.582 ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	6332989	916.213 ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	5949929	868.053 ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	10865	2.020 ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	4122659	859.753 ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	1034350	217.910 ug/L	100

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

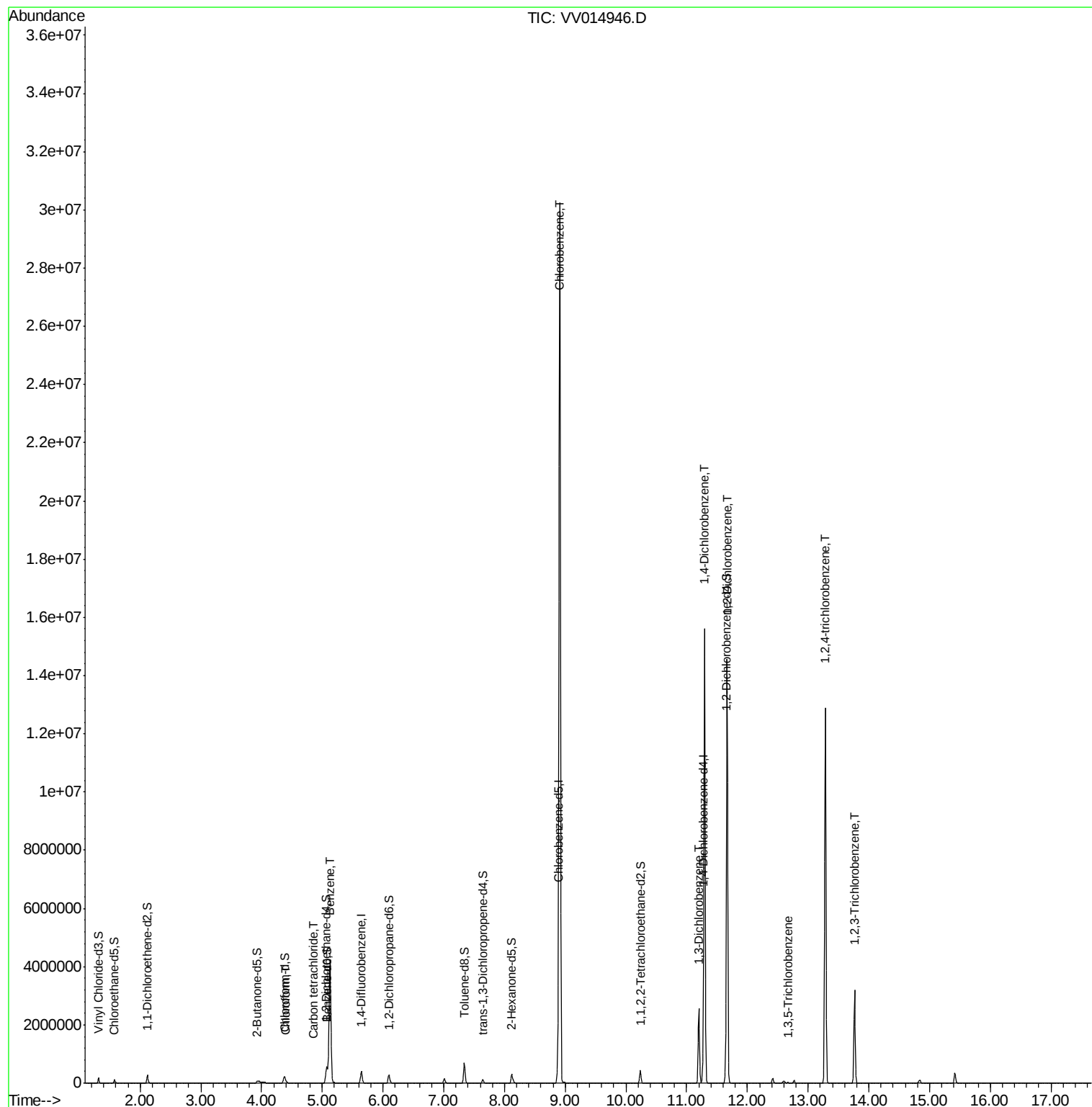
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
Data File : VV014946.D
Acq On : 16 Mar 2020 15:18
Operator : SY/MD
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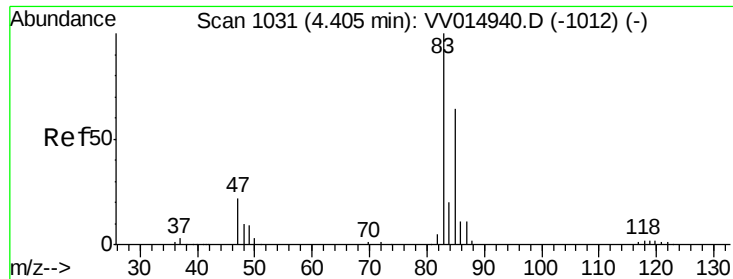
Instrument :
MSVOA_V
ClientSampleId :
C0DD1

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Quant Time: Mar 18 03:53:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
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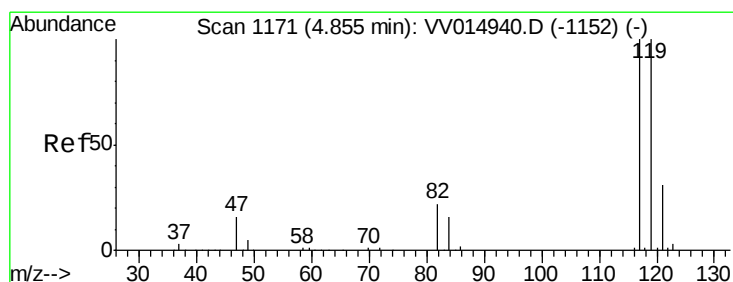
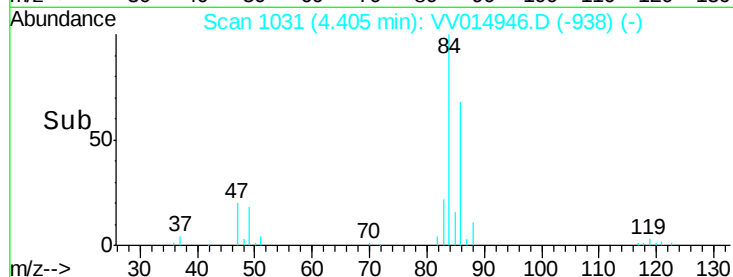
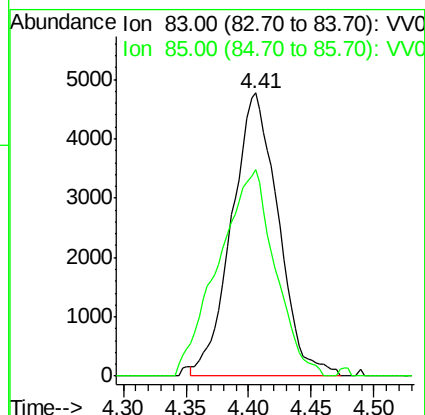
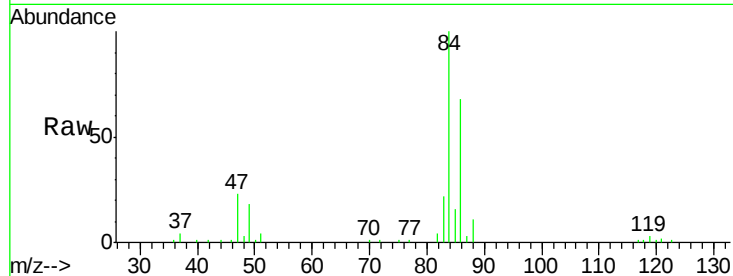
#25
Chloroform
Concen: 2.551 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV014946.D
Acq: 16 Mar 2020 15:18

Instrument :
MSVOA_V
ClientSampled :
C0DD1

Tot Ion: 83 Resp: 12290
Ion Ratio Lower Upper
83 100
85 72.9 44.6 82.8

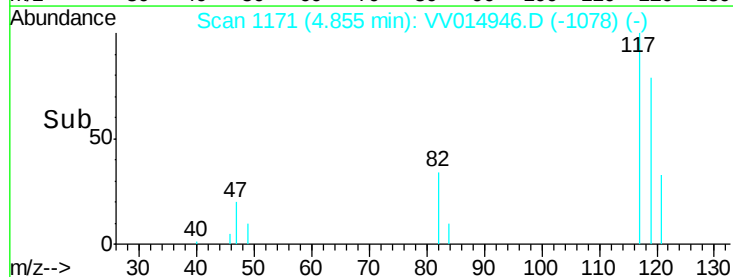
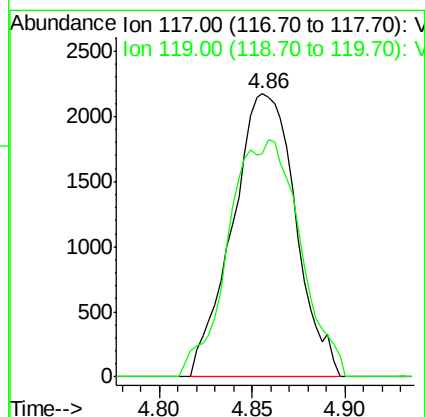
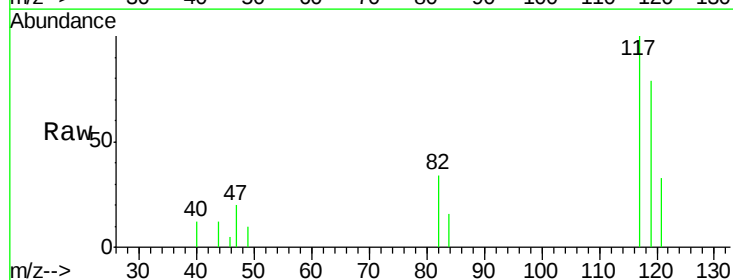
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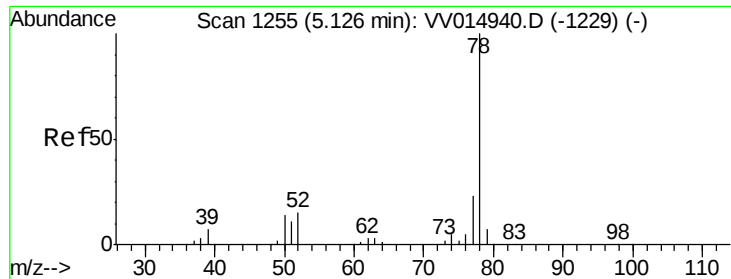
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#31
Carbon tetrachloride
Concen: 1.302 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VV014946.D
Acq: 16 Mar 2020 15:18

Tgt Ion: 117 Resp: 5149
Ion Ratio Lower Upper
117 100
119 42.0 75.9 113.9#





#33

Benzene

Concen: 427.196 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV014946.D

Acq: 16 Mar 2020 15:18

Instrument :

MSVOA_V

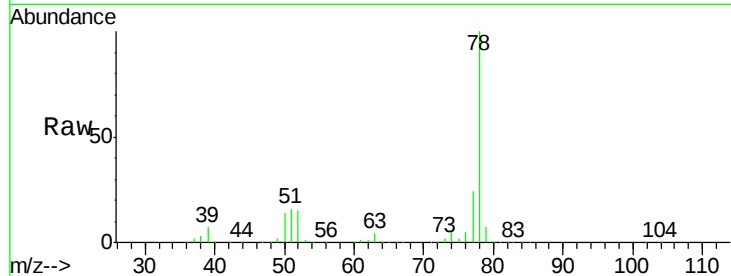
ClientSampleId :

C0DD1

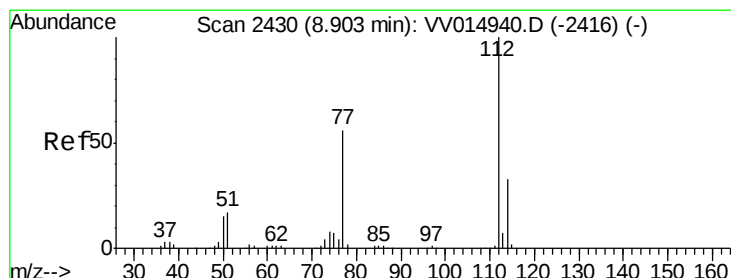
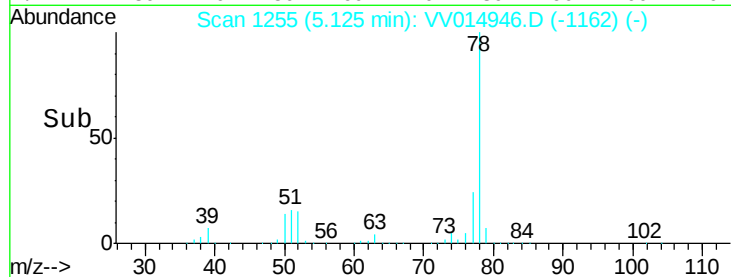
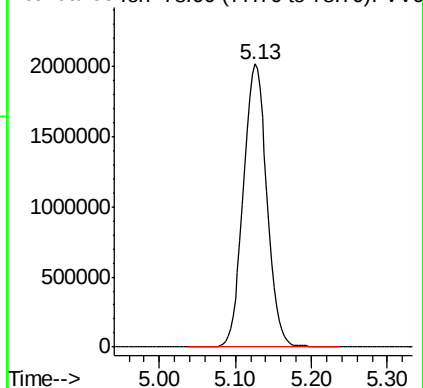
Tgt Ion: 78 Resp: 4336064

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Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 2040.727 ug/L m

RT: 8.91 min Scan# 2431

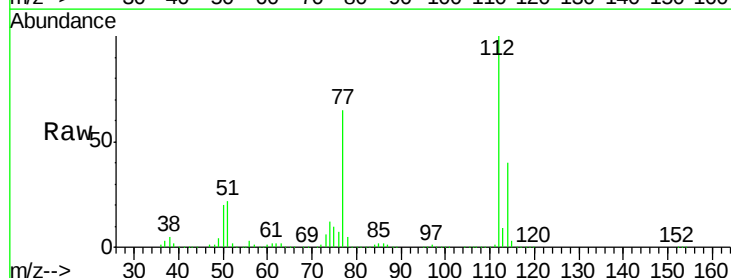
Delta R.T. 0.00 min

Lab File: VV014946.D

Acq: 16 Mar 2020 15:18

Tgt Ion: 112 Resp: 16050400

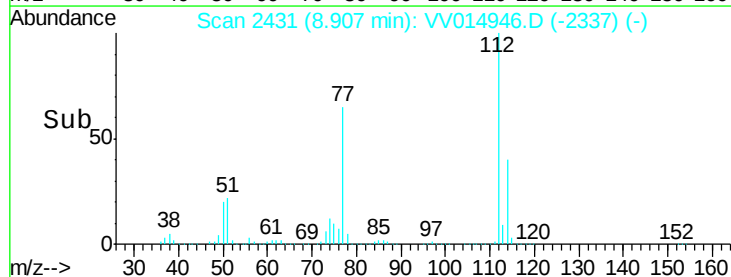
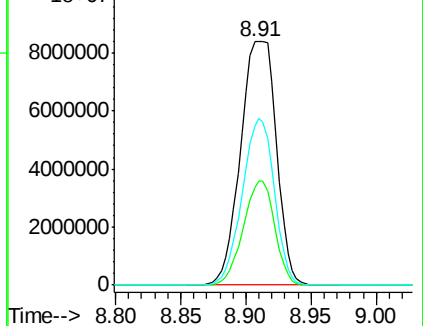
Ion	Ratio	Lower	Upper
112	100		
114	40.1	22.8	42.4
77	65.1	44.5	66.7

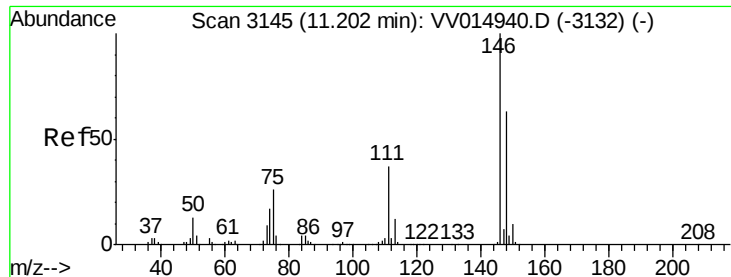


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 157.582 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV014946.D

Acq: 16 Mar 2020 15:18

Instrument :

MSVOA_V

ClientSampled :

C0DD1

Tot Ion:146 Resp: 1081298

Ion Ratio Lower Upper

146 100

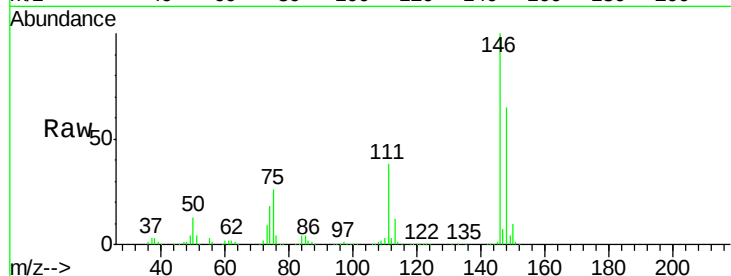
111 38.0 26.5 49.3

148 64.9 45.4 84.2

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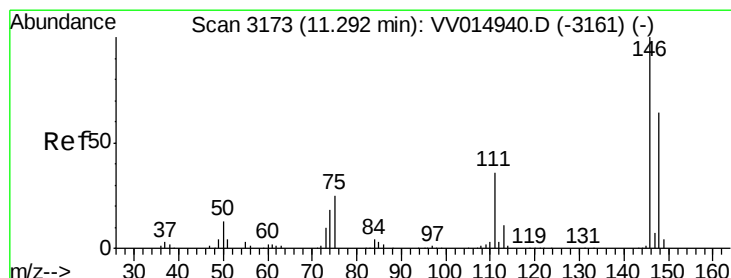
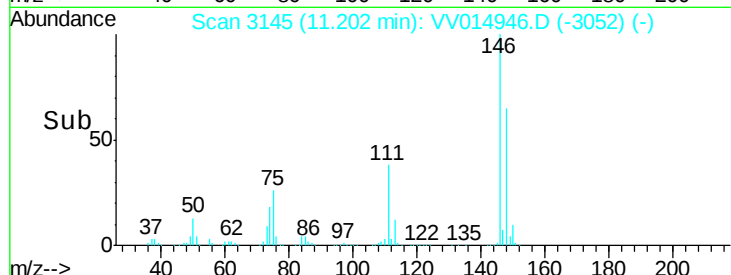
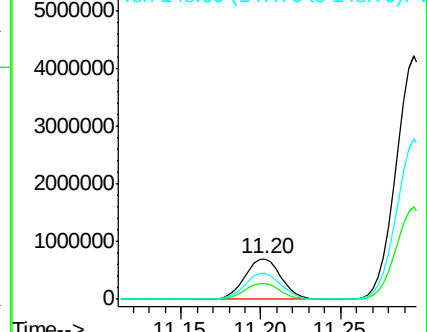
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 916.213 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV014946.D

Acq: 16 Mar 2020 15:18

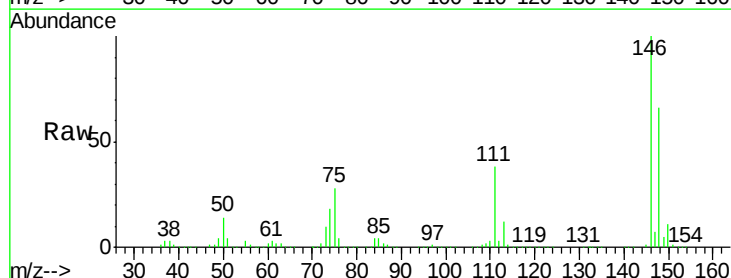
Tgt Ion:146 Resp: 6332989

Ion Ratio Lower Upper

146 100

111 37.8 26.0 48.2

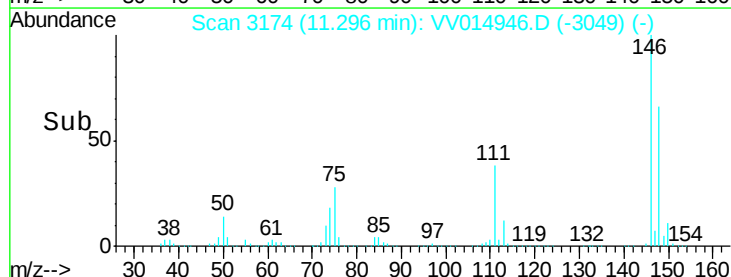
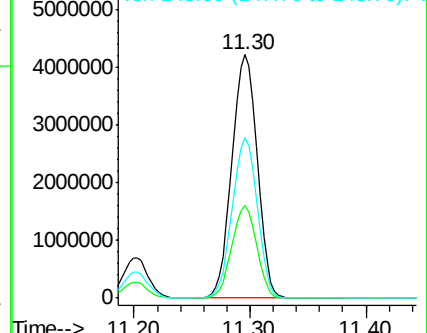
148 65.7 46.1 85.5

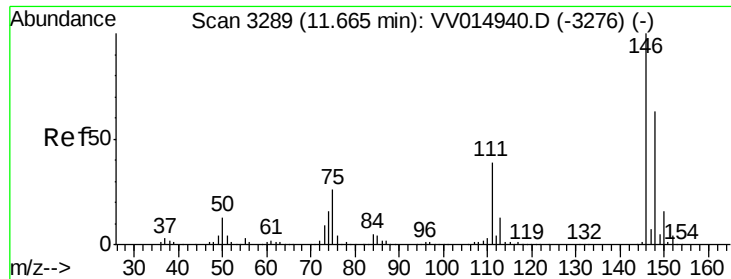


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 868.053 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV014946.D

Acq: 16 Mar 2020 15:18

Instrument :

MSVOA_V

ClientSampled :

C0DD1

Tot Ion:146 Resp: 5949929

Ion Ratio Lower Upper

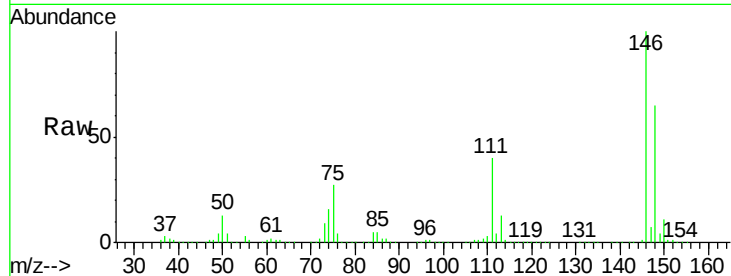
146 100

111 40.2 31.6 47.4

148 65.1 52.2 78.4

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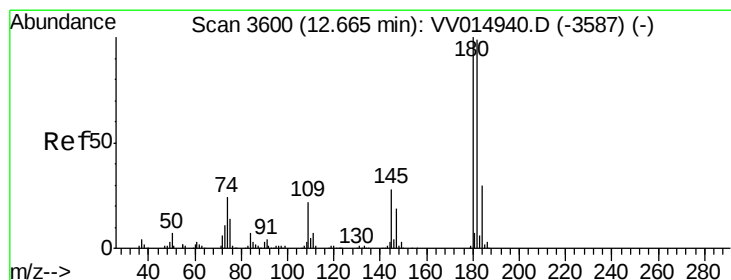
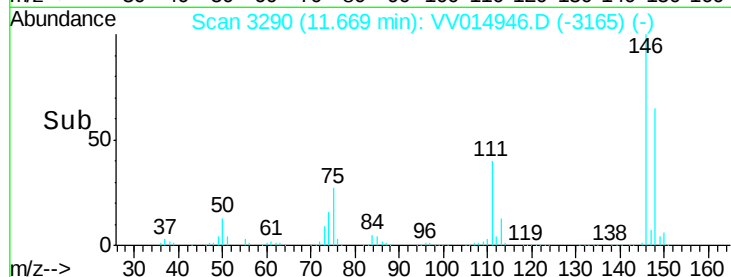
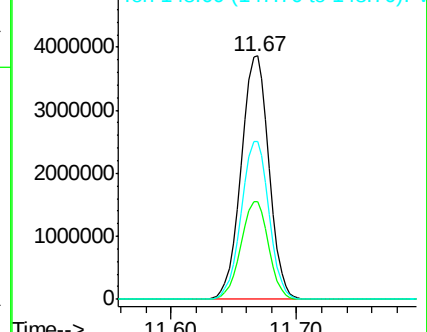


Abundance

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: 2.020 ug/L

RT: 12.67 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VV014946.D

Acq: 16 Mar 2020 15:18

Tgt Ion:180 Resp: 10865

Ion Ratio Lower Upper

180 100

182 91.5 75.7 113.5

184 29.6 24.2 36.4

145 27.0 22.0 33.0

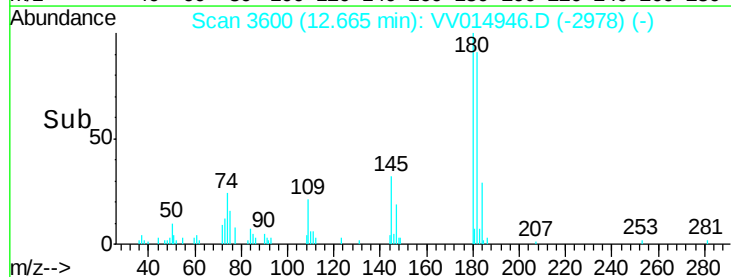
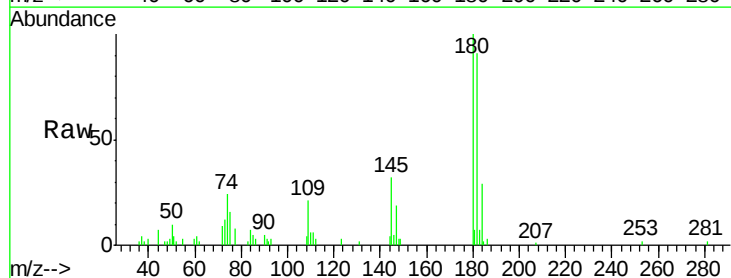
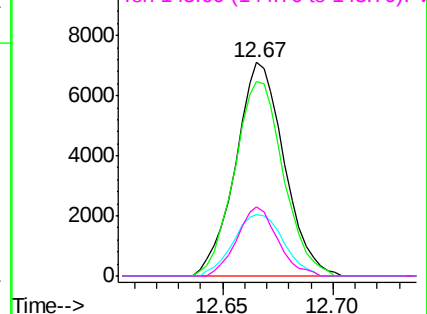
Abundance

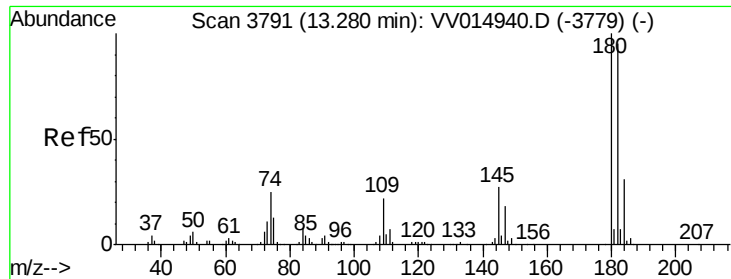
Ion 180.00 (179.70 to 180.70): V

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





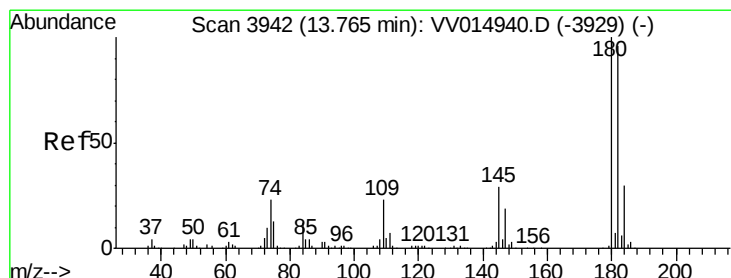
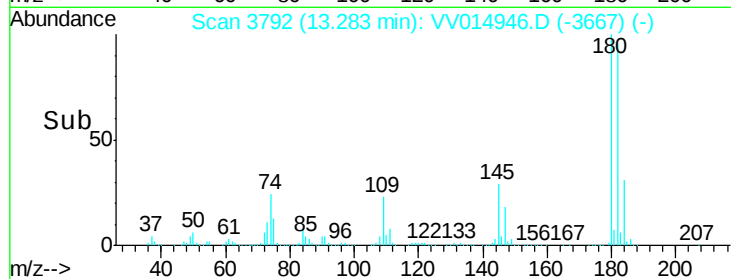
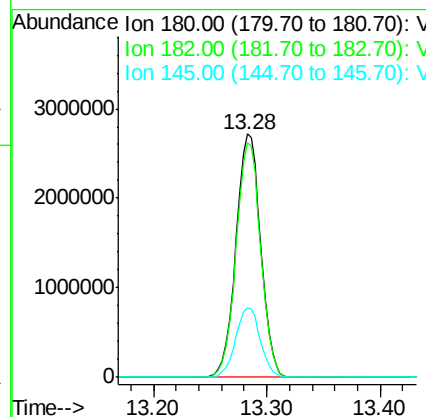
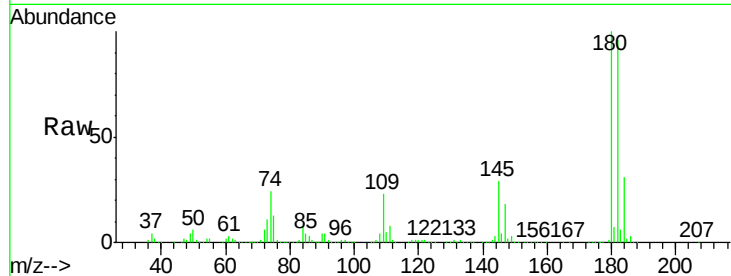
#68
 1,2,4-trichlorobenzene
 Concen: 859.753 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014946.D
 Acq: 16 Mar 2020 15:18

Instrument :
 MSVOA_V
 ClientSampled :
 C0DD1

Tot Ion:180 Resp: 4122659
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.3 114.5
 145 28.5 23.1 34.7

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#70
 1,2,3-Trichlorobenzene
 Concen: 217.910 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV014946.D
 Acq: 16 Mar 2020 15:18

Tgt Ion:180 Resp: 1034350
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.2 114.4
 145 29.8 24.1 36.1

