

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015161.D
 Acq On : 26 Mar 2020 02:10
 Operator : SY/MD
 Sample : L1968-15 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL5

Manual Integrations
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Quant Time: Mar 26 05:55:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 26 02:00:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	603270	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	593293	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	268575	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	210833	41.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.60%
7) Chloroethane-d5	1.58	69	198178	43.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.74%
11) 1,1-Dichloroethene-d2	2.12	63	336850	33.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.80%
21) 2-Butanone-d5	3.94	46	295916	89.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.40%
24) Chloroform-d	4.38	84	365160	43.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.28%
26) 1,2-Dichloroethane-d4	5.06	65	246114	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.66%
32) Benzene-d6	5.08	84	742678	43.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.82%
36) 1,2-Dichloropropane-d6	6.10	67	233254	42.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.92%
41) Toluene-d8	7.34	98	709877	43.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.84%
43) trans-1,3-Dichloropropene-	7.64	79	111460	37.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.96%
47) 2-Hexanone-d5	8.12	63	235059	86.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.45%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	340120	42.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.10%
64) 1,2-Dichlorobenzene-d4	11.65	152	260154m	43.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.62%

Target Compounds

					Ovalue
25) Chloroform	4.41	83	32282	4.714 ug/L	99
31) Carbon tetrachloride	4.86	117	10521	1.894 ug/L	100
33) Benzene	5.13	78	1957573	128.216 ug/L	100
51) Chlorobenzene	8.90	112	6064555	550.975 ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	206084	26.198 ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	1949152	243.219 ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	2020538	254.590 ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	314012	62.915 ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	89361	18.017 ug/L	99

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

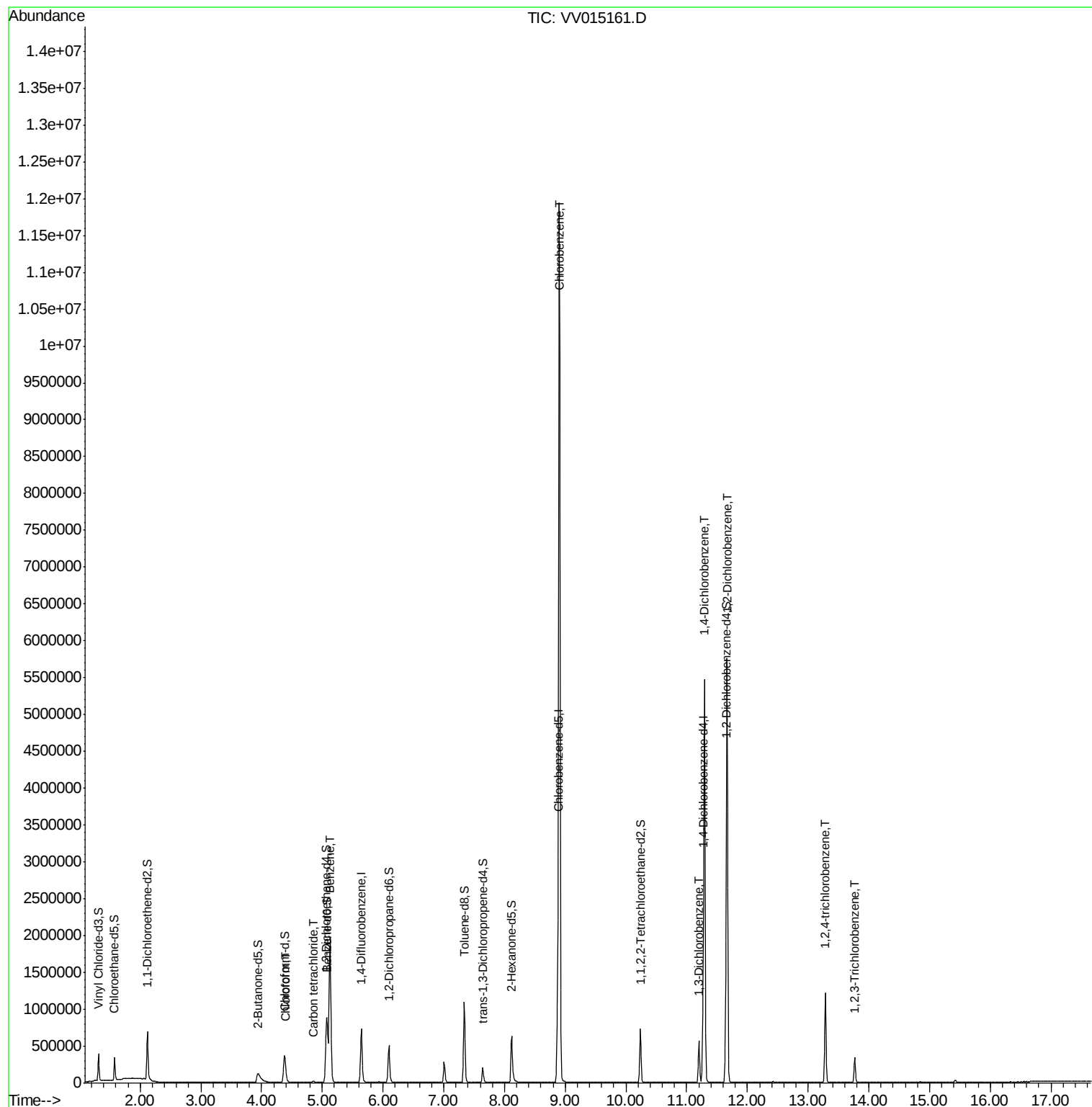
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV032520\
Data File : VV015161.D
Acq On : 26 Mar 2020 02:10
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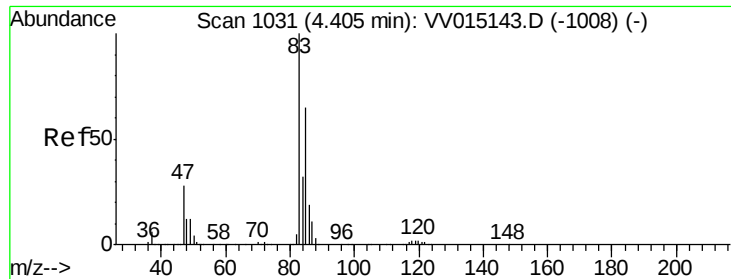
Instrument :
MSVOA_V
ClientSampleId :
C0DL5

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Quant Time: Mar 26 05:55:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 26 02:00:02 2020
Response via : Initial Calibration





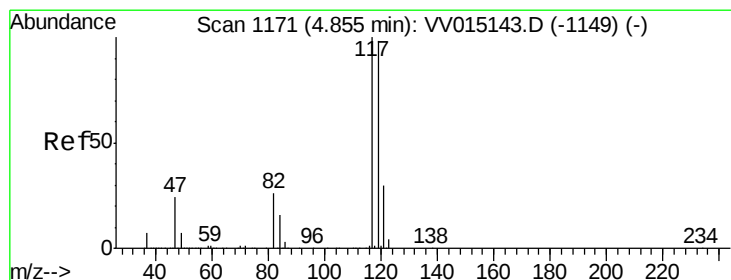
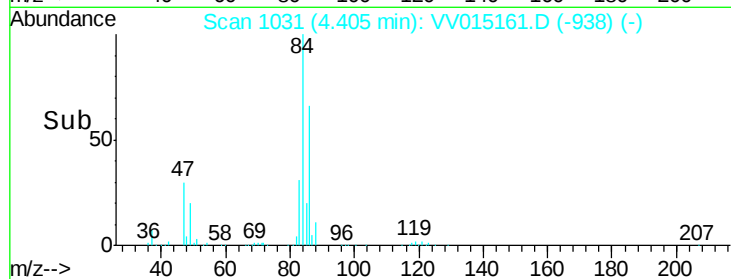
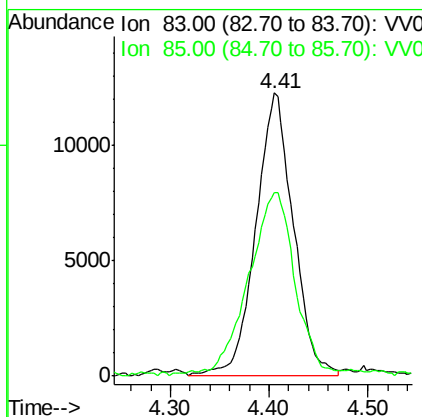
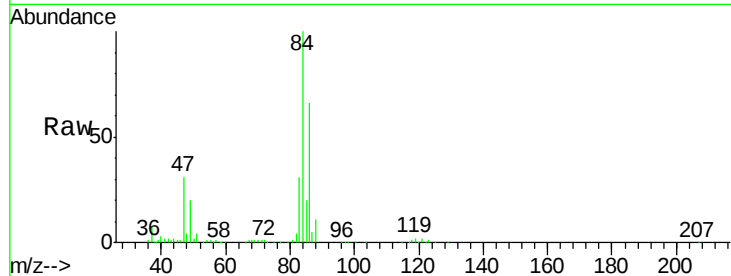
#25
Chloroform
Concen: 4.714 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015161.D
Acq: 26 Mar 2020 02:10

Instrument :
MSVOA_V
ClientSampleId :
C0DL5

Tot Ion	83	Resp	32282
Ion Ratio	100	Lower	Upper
85	65.0	44.8	83.2

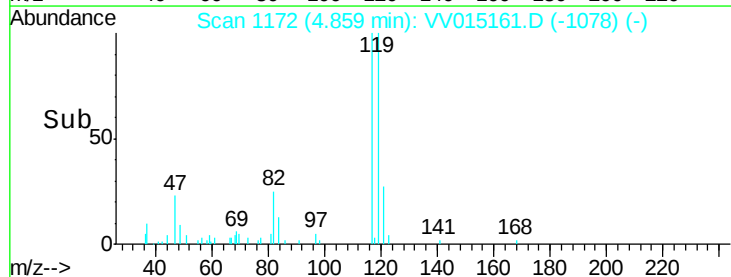
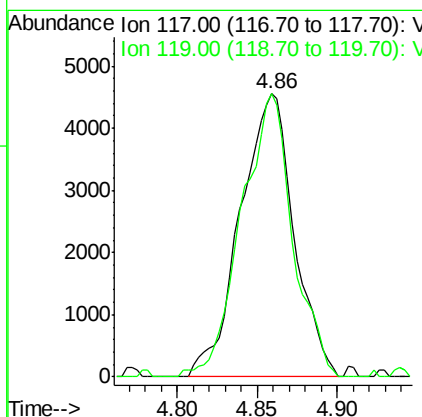
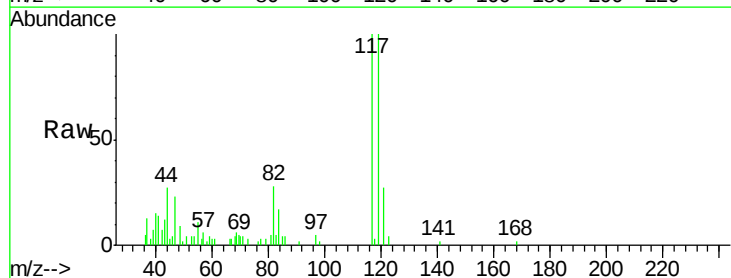
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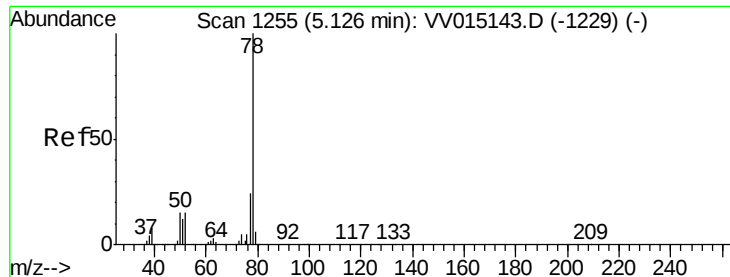
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#31
Carbon tetrachloride
Concen: 1.894 ug/L
RT: 4.86 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VV015161.D
Acq: 26 Mar 2020 02:10

Tgt Ion	117	Resp	10521
Ion Ratio	100	Lower	Upper
119	95.0	76.2	114.4





#33

Benzene

Concen: 128.216 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015161.D

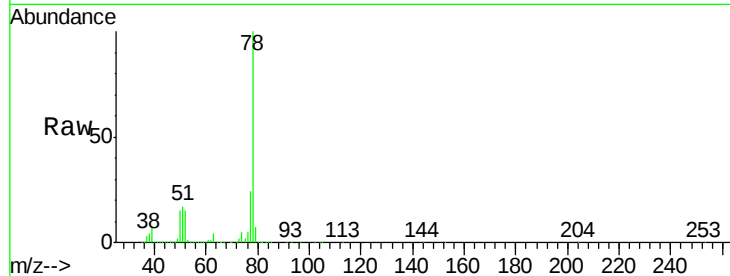
Acq: 26 Mar 2020 02:10

Instrument :
MSVOA_V
ClientSampled :
C0DL5

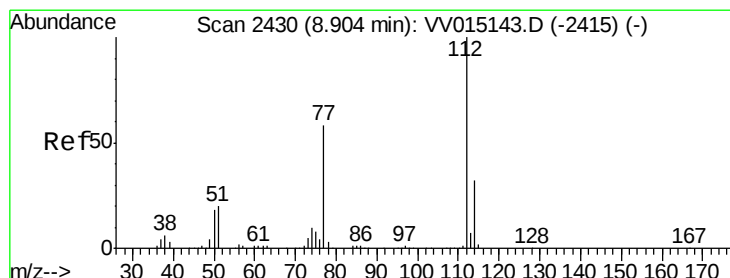
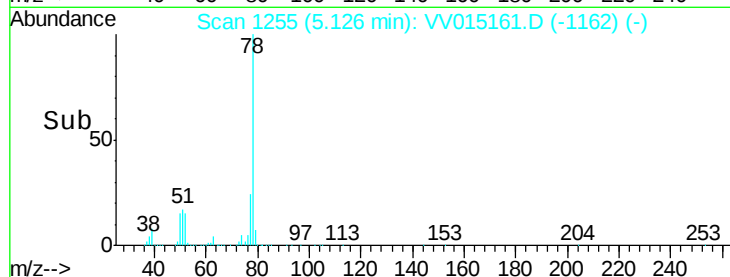
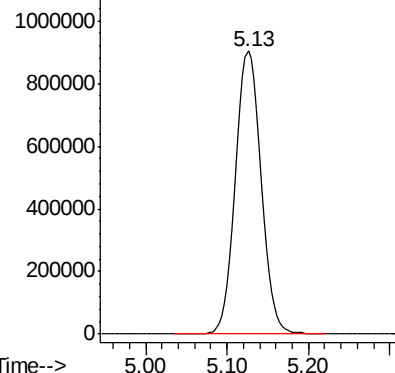
Tgt Ion: 78 Resp: 1957573

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Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 550.975 ug/L

RT: 8.90 min Scan# 2430

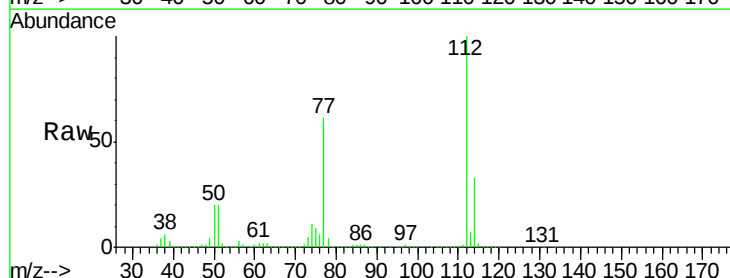
Delta R.T. 0.00 min

Lab File: VV015161.D

Acq: 26 Mar 2020 02:10

Tgt Ion: 112 Resp: 6064555

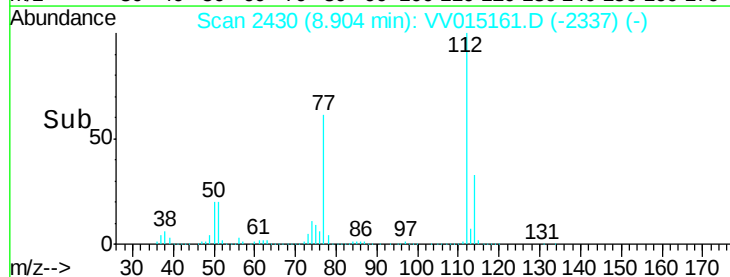
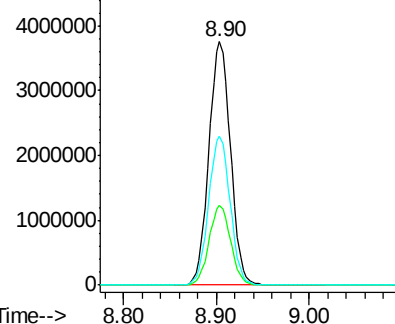
Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.0	40.8
77	61.1	47.2	70.8

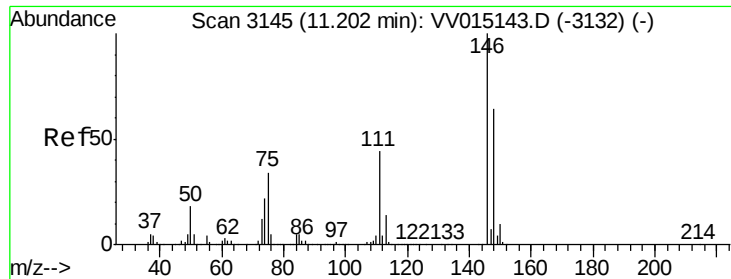


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 26.198 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015161.D

Acq: 26 Mar 2020 02:10

Instrument :

MSVOA_V

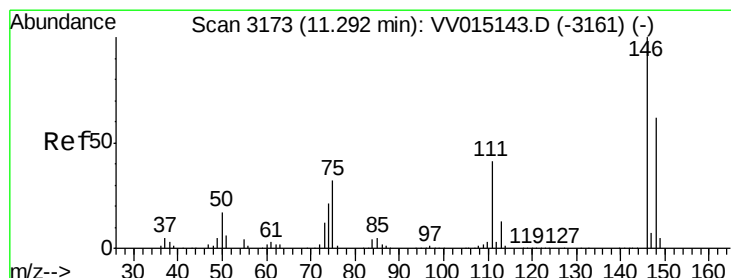
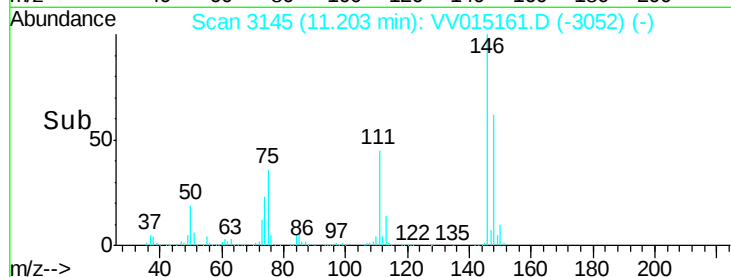
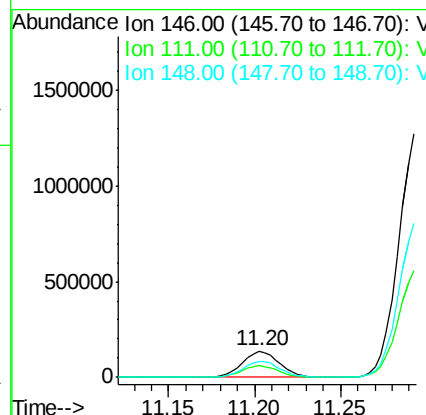
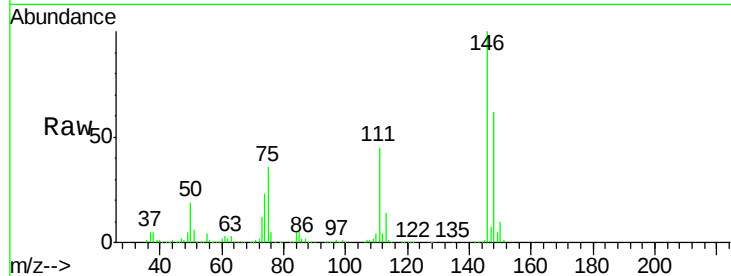
ClientSampled :

C0DL5

Tot Ion:	146	Resp:	206084
Ion Ratio	Lower	Upper	
146	100		
111	44.8	29.3	54.5
148	61.9	44.7	82.9

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#63

1,4-Dichlorobenzene

Concen: 243.219 ug/L

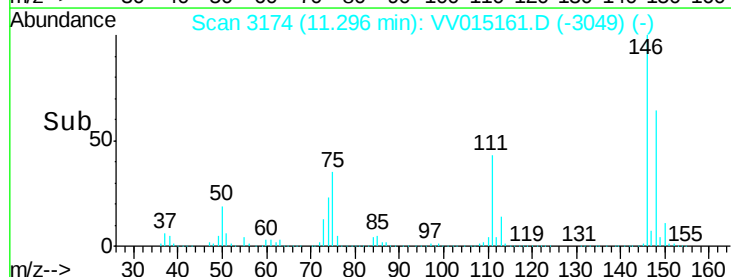
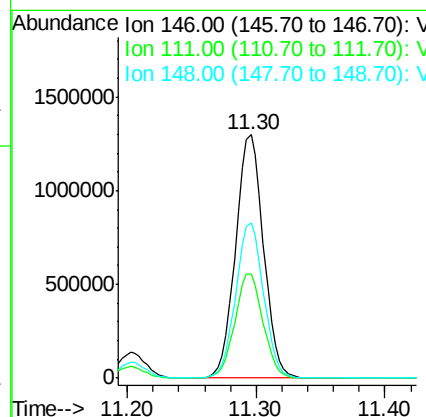
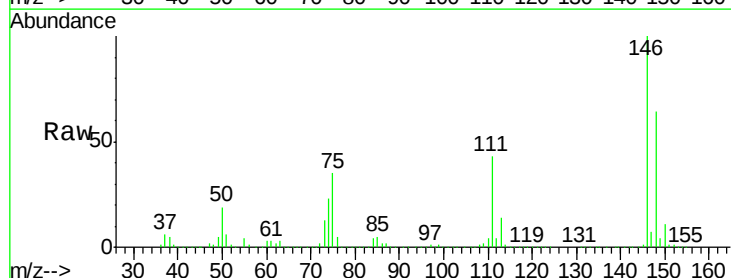
RT: 11.30 min Scan# 3174

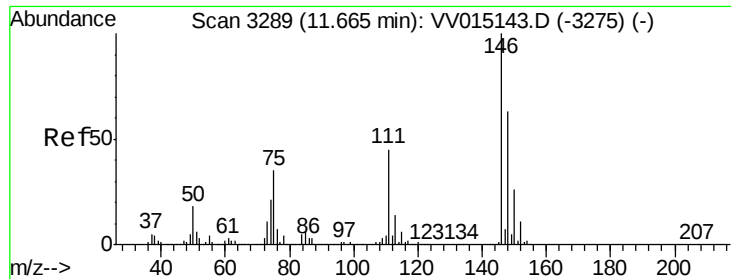
Delta R.T. 0.00 min

Lab File: VV015161.D

Acq: 26 Mar 2020 02:10

Tgt Ion:	146	Resp:	1949152
Ion Ratio	Lower	Upper	
146	100		
111	42.7	28.4	52.8
148	63.7	44.0	81.8





#65

1,2-Dichlorobenzene

Concen: 254.590 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015161.D

Acq: 26 Mar 2020 02:10

Instrument :

MSVOA_V

ClientSampleId :

C0DL5

Tot Ion:146 Resp: 2020538

Ion Ratio Lower Upper

146 100

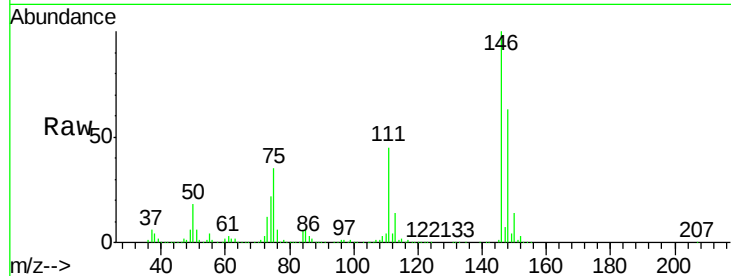
111 45.4 35.4 53.2

148 62.8 49.7 74.5

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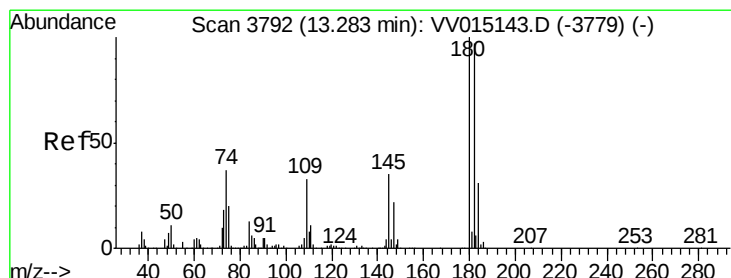
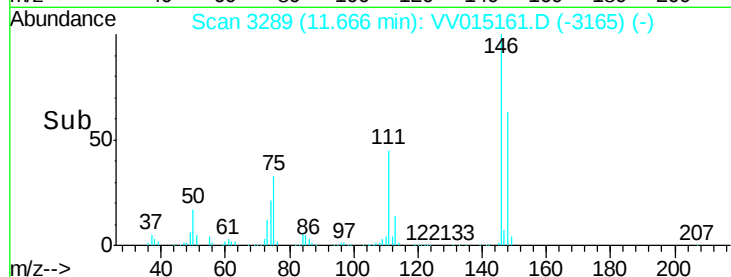
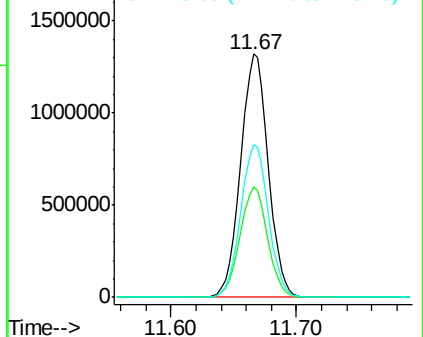
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 62.915 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV015161.D

Acq: 26 Mar 2020 02:10

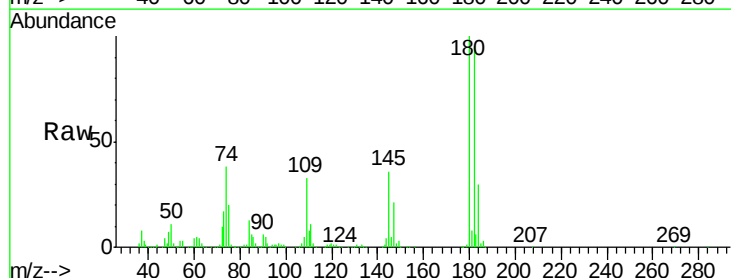
Tgt Ion:180 Resp: 314012

Ion Ratio Lower Upper

180 100

182 94.3 76.1 114.1

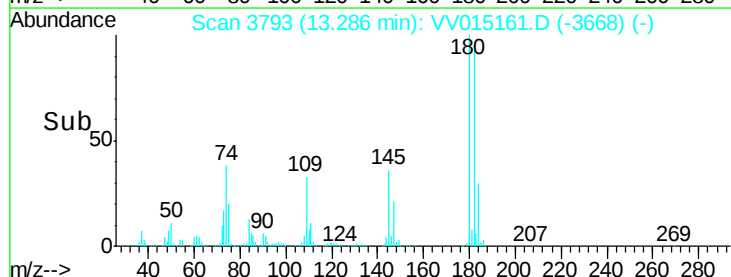
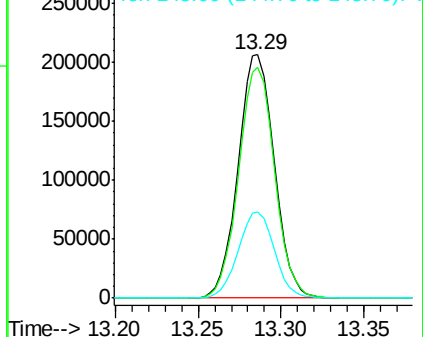
145 35.5 26.6 40.0

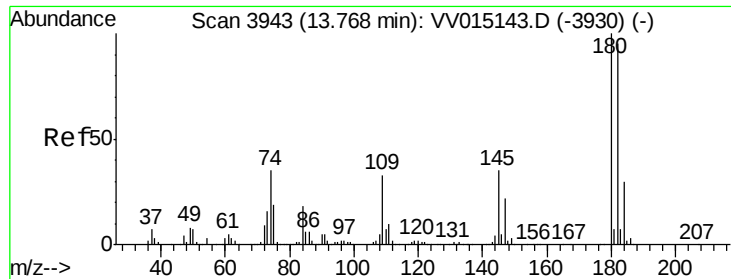


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





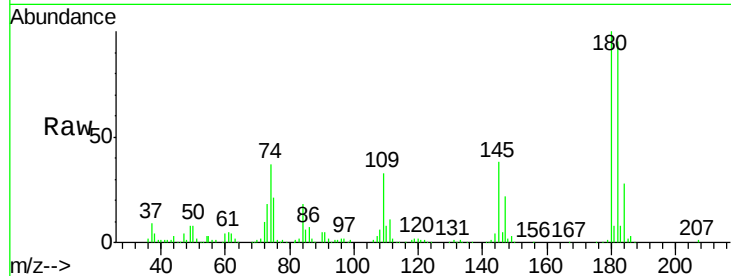
#70
 1,2,3-Trichlorobenzene
 Concen: 18.017 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015161.D
 Acq: 26 Mar 2020 02:10

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL5

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.3	114.5
145	37.1	29.6	44.4

Manual Integrations
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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

