

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014955.D
 Acq On : 16 Mar 2020 18:56
 Operator : SY/MD
 Sample : L1940-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0D97

Quant Time: Mar 18 04:56:11 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	367175	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	354387	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	175662	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123006	50.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.58%
7) Chloroethane-d5	1.58	69	103919	57.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.40%
11) 1,1-Dichloroethene-d2	2.12	63	134320	35.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.58%
21) 2-Butanone-d5	3.93	46	114938	77.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.06%
24) Chloroform-d	4.38	84	222103	43.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.16%
26) 1,2-Dichloroethane-d4	5.06	65	147808	45.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.56%
32) Benzene-d6	5.08	84	459937	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
36) 1,2-Dichloropropane-d6	6.10	67	136732	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.06%
41) Toluene-d8	7.34	98	440181	45.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.18%
43) trans-1,3-Dichloropropene-	7.64	79	68935	44.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.20%
47) 2-Hexanone-d5	8.12	63	122034	92.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.99%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	192203	45.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	185851	48.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

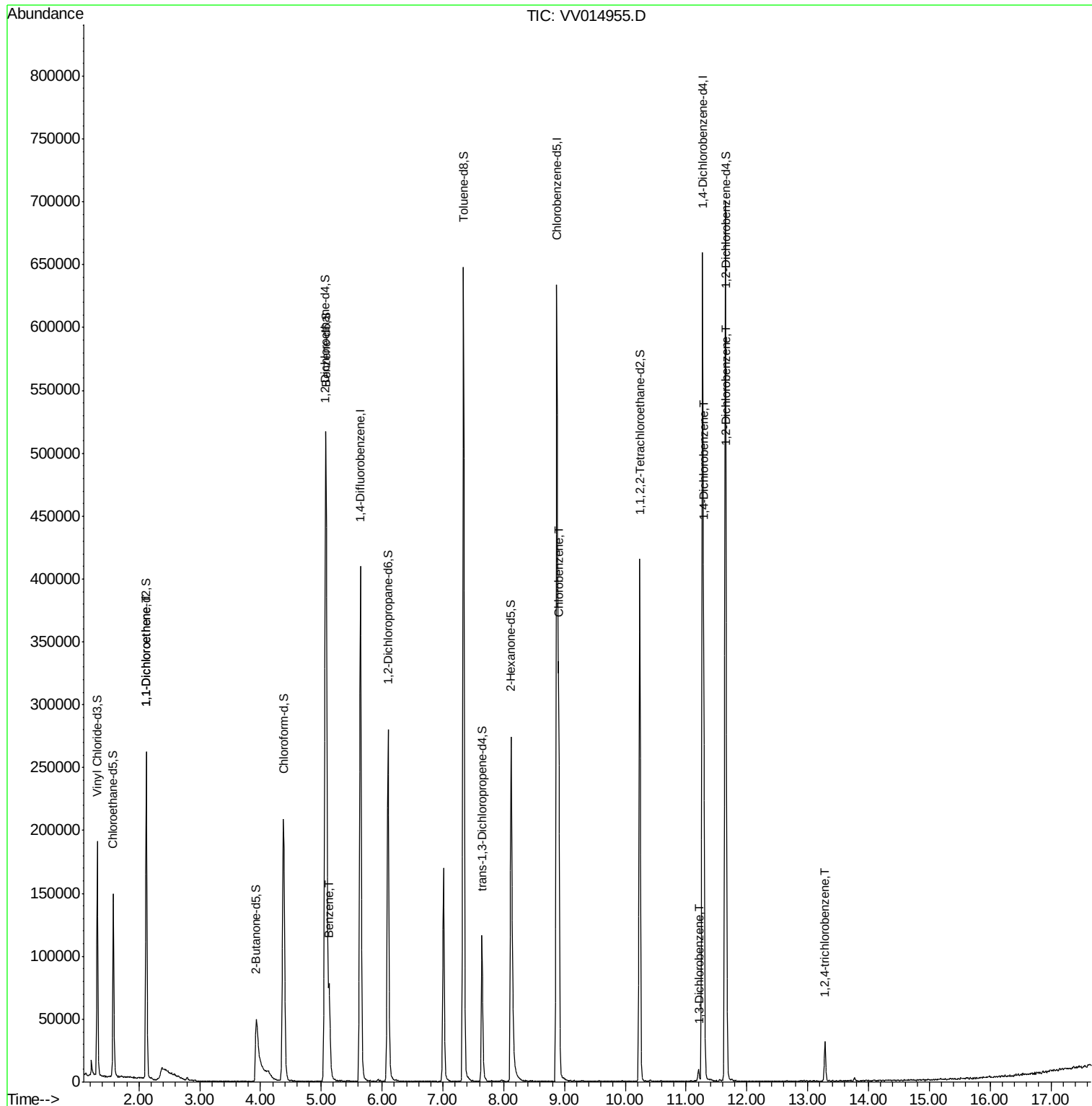
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.12	96	1395	0.808	ug/L	# 1
33) Benzene	5.13	78	73679	7.640	ug/L	100
51) Chlorobenzene	8.90	112	168916	22.606	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	4414	0.763	ug/L	93
63) 1,4-Dichlorobenzene	11.29	146	104243	17.877	ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	43455	7.515	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	10635	2.629	ug/L	97

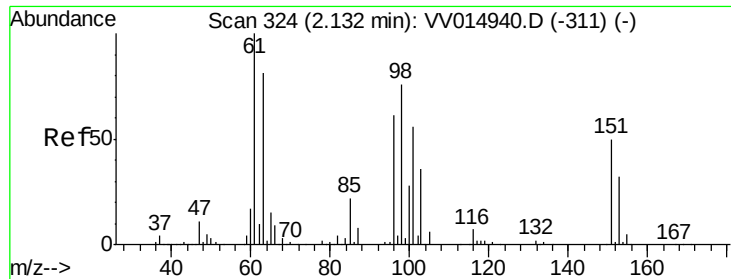
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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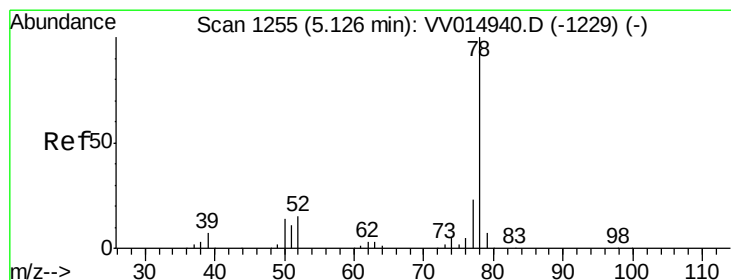
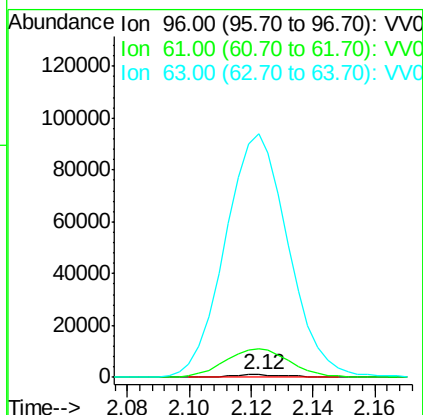
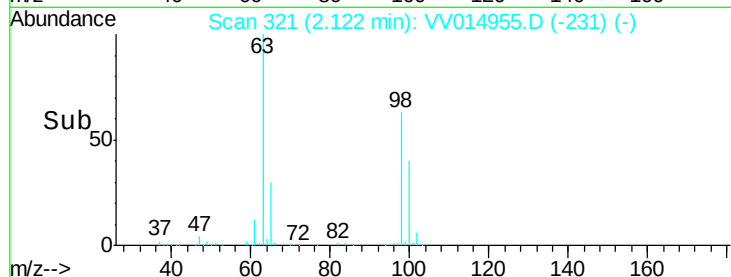
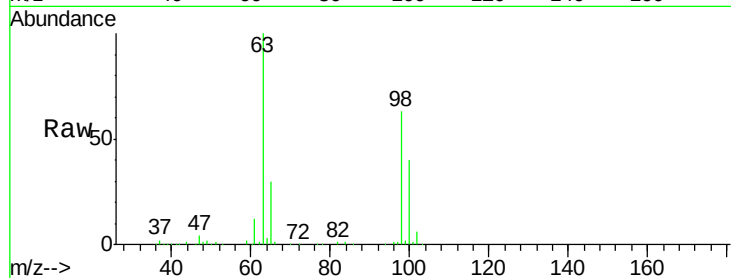




#12
 1,1-Dichloroethene
 Concen: 0.808 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV014955.D
 Acq: 16 Mar 2020 18:56

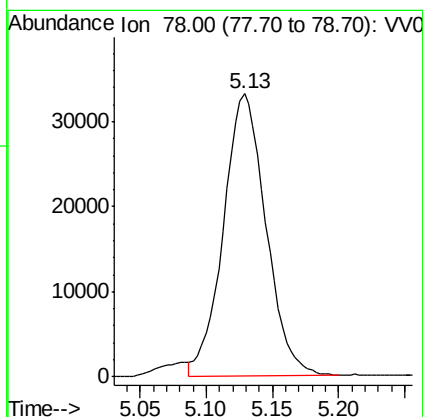
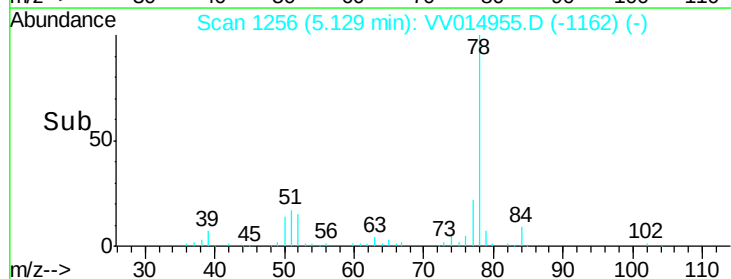
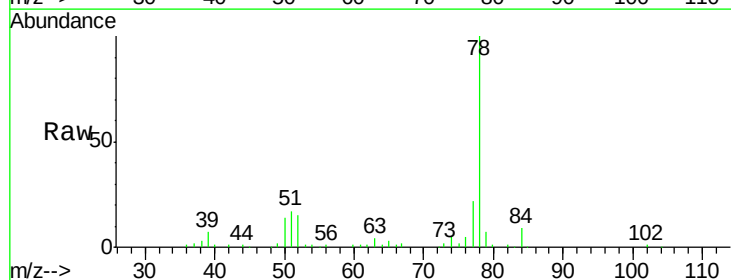
Instrument :
 MSVOA_V
 ClientSampleId :
 C0D97

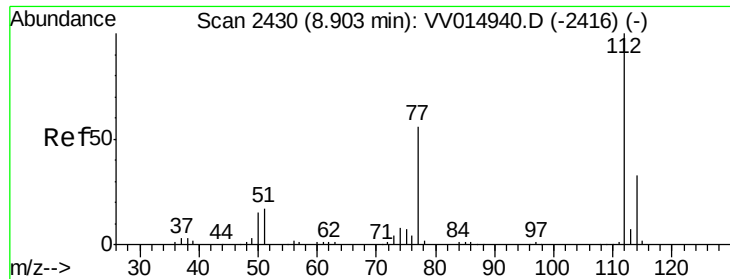
Tot Ion: 96 Resp: 1395
 Ion Ratio Lower Upper
 96 100
 61 1163.3 115.7 214.9#
 63 9814.0 99.2 184.2#



#33
 Benzene
 Concen: 7.640 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VV014955.D
 Acq: 16 Mar 2020 18:56

Tgt Ion: 78 Resp: 73679





#51

Chlorobenzene

Concen: 22.606 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV014955.D

Acq: 16 Mar 2020 18:56

Instrument :

MSVOA_V

ClientSampleId :

C0D97

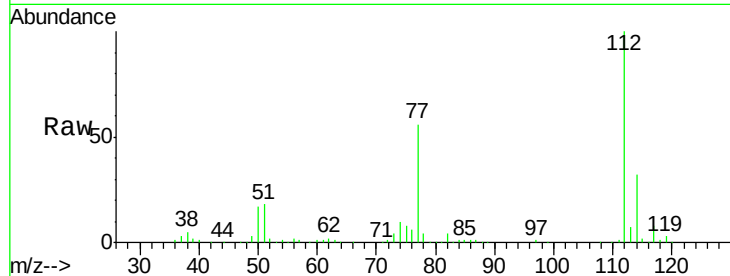
Tot Ion:112 Resp: 168916

Ion Ratio Lower Upper

112 100

114 32.5 22.8 42.4

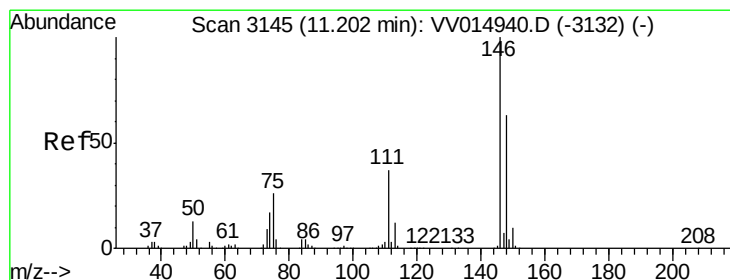
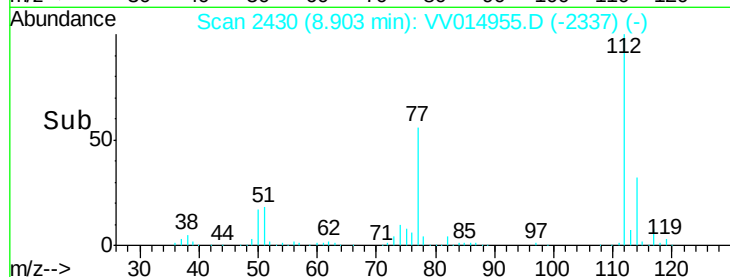
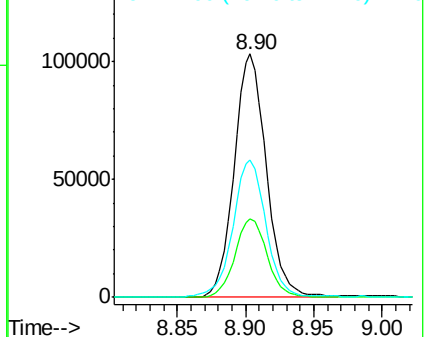
77 56.2 44.5 66.7



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): V



#62

1,3-Dichlorobenzene

Concen: 0.763 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV014955.D

Acq: 16 Mar 2020 18:56

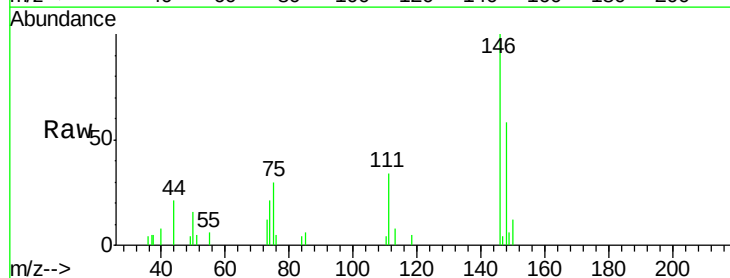
Tgt Ion:146 Resp: 4414

Ion Ratio Lower Upper

146 100

111 34.3 26.5 49.3

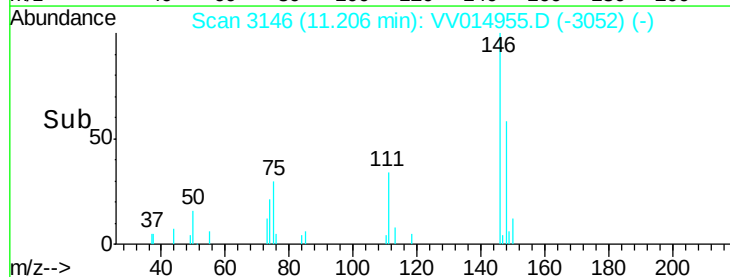
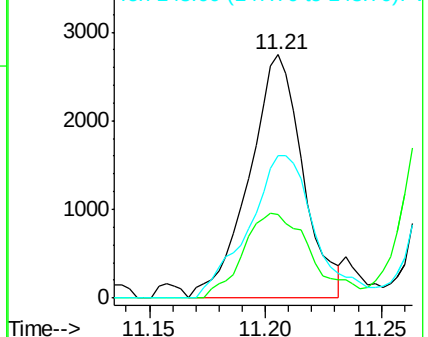
148 58.3 45.4 84.2

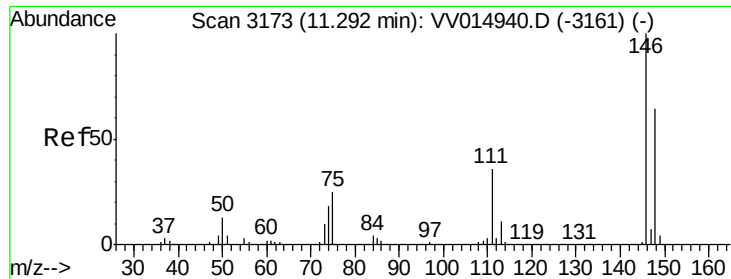


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

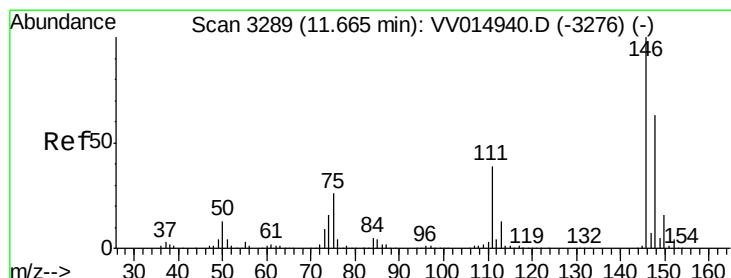
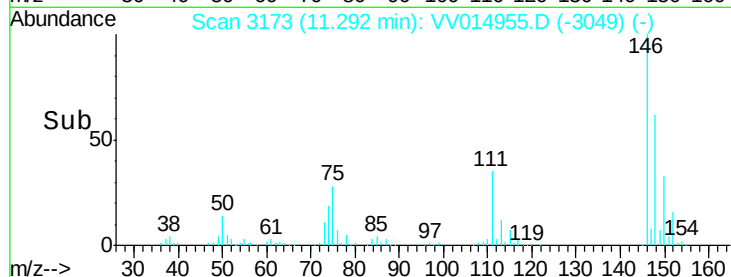
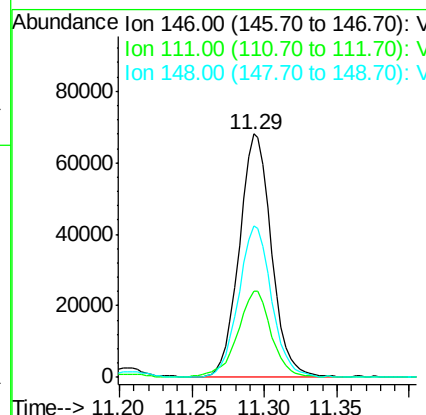
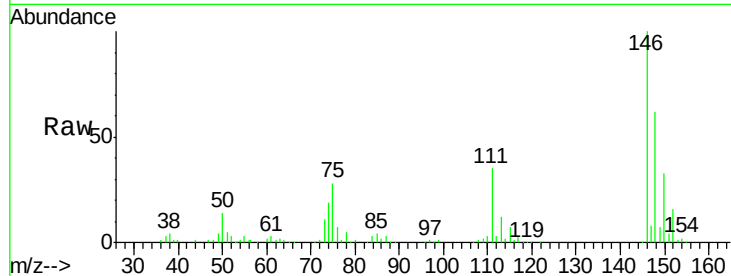




#63
 1,4-Dichlorobenzene
 Concen: 17.877 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV014955.D
 Acq: 16 Mar 2020 18:56

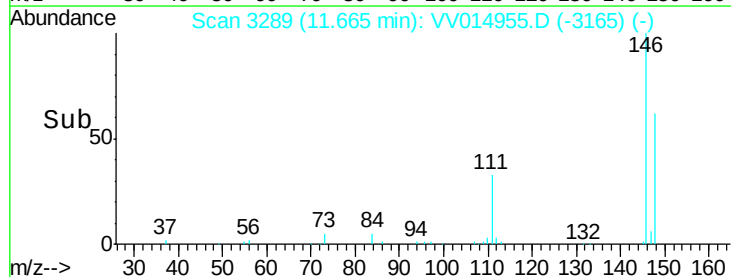
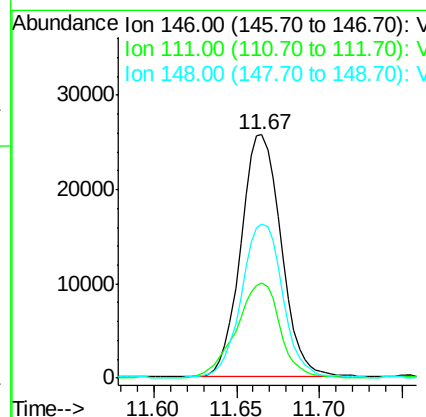
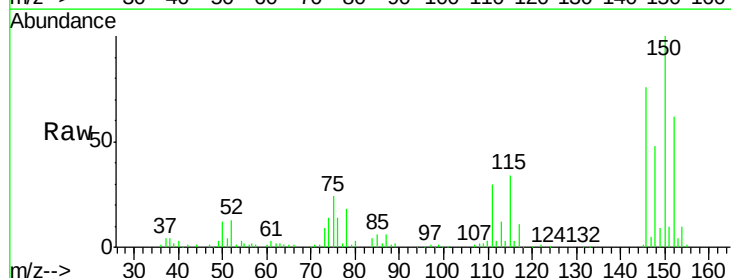
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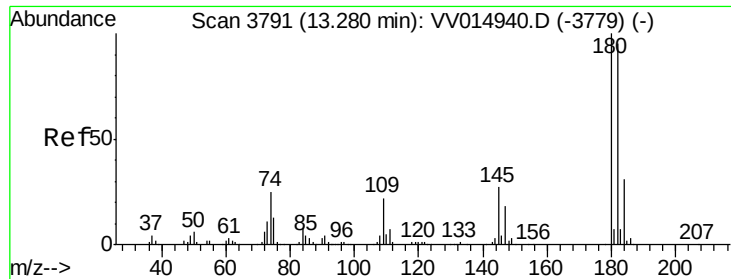
Tot Ion:146 Resp: 104243
 Ion Ratio Lower Upper
 146 100
 111 35.5 26.0 48.2
 148 62.0 46.1 85.5



#65
 1,2-Dichlorobenzene
 Concen: 7.515 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV014955.D
 Acq: 16 Mar 2020 18:56

Tgt Ion:146 Resp: 43455
 Ion Ratio Lower Upper
 146 100
 111 38.8 31.6 47.4
 148 63.5 52.2 78.4





#68

1,2,4-trichlorobenzene

Concen: 2.629 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.01 min

Lab File: VV014955.D

Acq: 16 Mar 2020 18:56

Instrument :

MSVOA_V

ClientSampleId :

C0D97

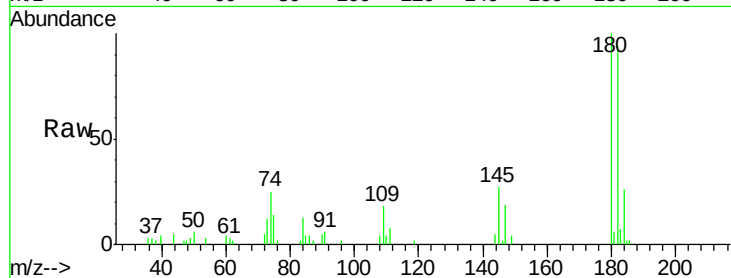
Tot Ion:180 Resp: 10635

Ion Ratio Lower Upper

180 100

182 97.4 76.3 114.5

145 26.1 23.1 34.7



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

