

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014954.D
 Acq On : 16 Mar 2020 18:32
 Operator : SY/MD
 Sample : L1890-19
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DJ5

Quant Time: Mar 18 04:49:43 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	357452	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	342298	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169167	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	135623	56.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	113.90%
7) Chloroethane-d5	1.58	69	106313	60.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.22%
11) 1,1-Dichloroethene-d2	2.12	63	159491	43.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.30%
21) 2-Butanone-d5	3.93	46	135765	93.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.50%
24) Chloroform-d	4.38	84	227216	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.06	65	150813	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
32) Benzene-d6	5.08	84	465616	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
36) 1,2-Dichloropropane-d6	6.10	67	137702	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.08%
41) Toluene-d8	7.34	98	454552	48.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.48%
43) trans-1,3-Dichloropropene-	7.64	79	68744	46.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.10%
47) 2-Hexanone-d5	8.12	63	127723	100.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.77%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	194547	47.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	188223	50.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.58%

Target Compounds

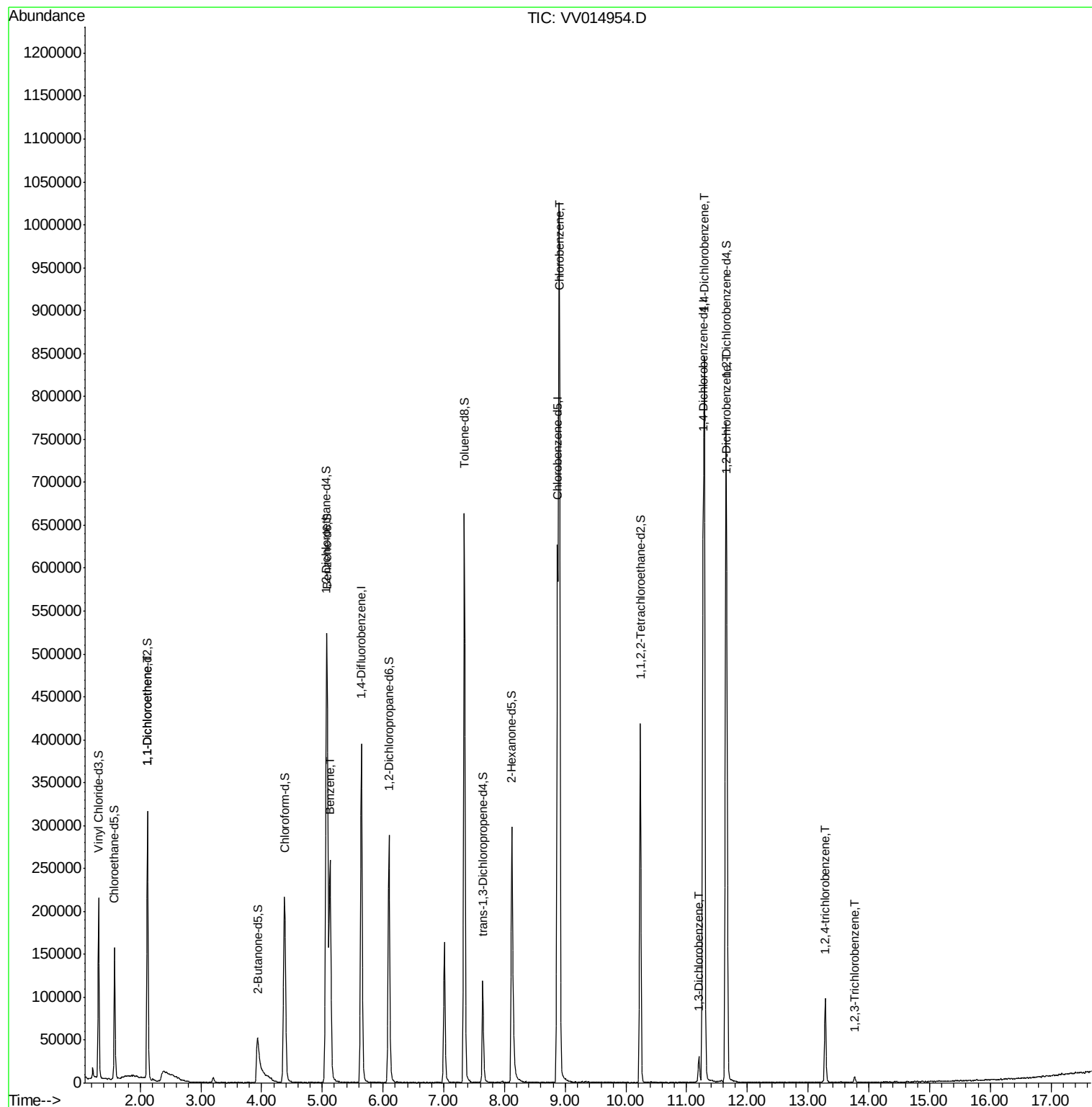
					Ovalue
12) 1,1-Dichloroethene	2.12	96	1381	0.822 ug/L	# 1
33) Benzene	5.13	78	264303	28.376 ug/L	100
51) Chlorobenzene	8.90	112	568580	78.779 ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	12648	2.269 ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	335996	59.833 ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	159868	28.709 ug/L	96
68) 1,2,4-trichlorobenzene	13.28	180	34886	8.955 ug/L	95
70) 1,2,3-Trichlorobenzene	13.77	180	2275	0.590 ug/L	97

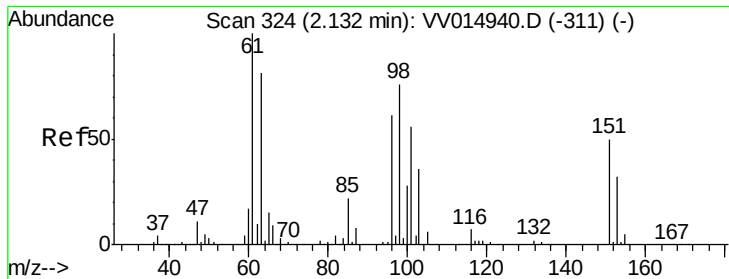
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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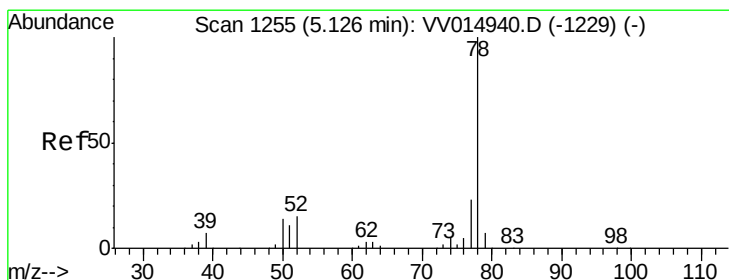
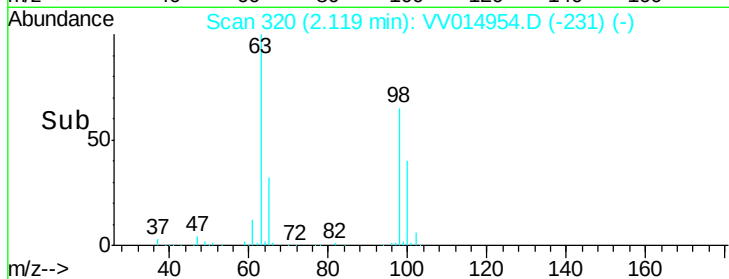
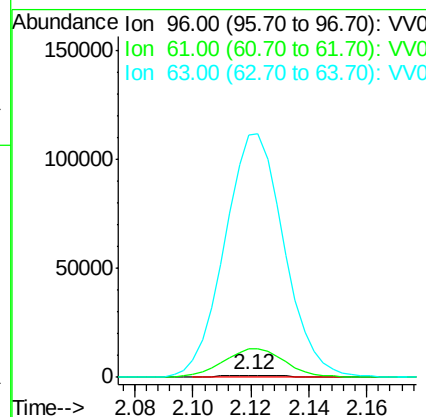
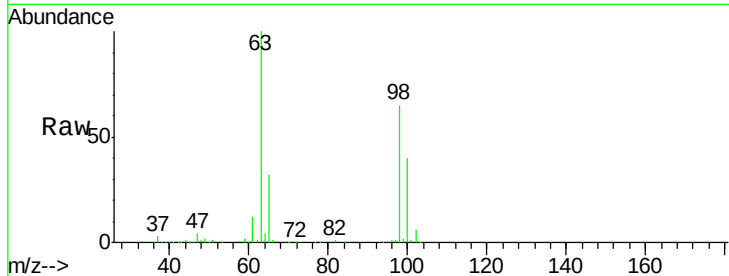




#12
 1,1-Dichloroethene
 Concen: 0.822 ug/L
 RT: 2.12 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: VV014954.D
 Acq: 16 Mar 2020 18:32

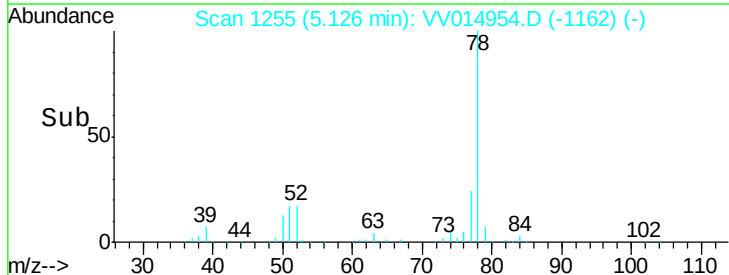
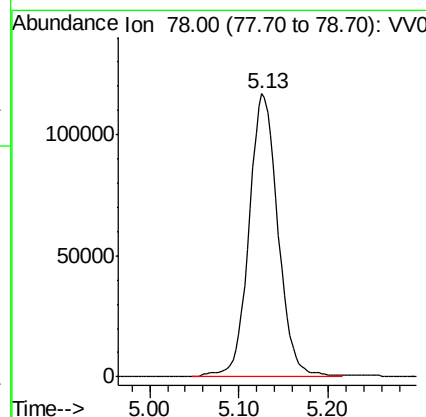
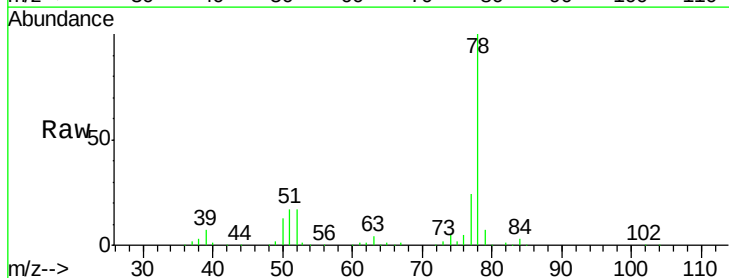
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DJ5

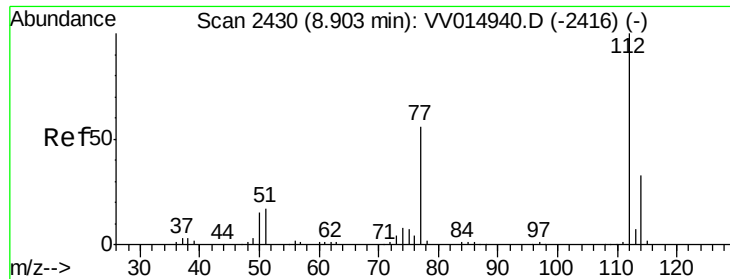
Tot Ion: 96 Resp: 1381
 Ion Ratio Lower Upper
 96 100
 61 1575.5 115.7 214.9#
 63 13427.6 99.2 184.2#



#33
 Benzene
 Concen: 28.376 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VV014954.D
 Acq: 16 Mar 2020 18:32

Tgt Ion: 78 Resp: 264303





#51

Chlorobenzene

Concen: 78.779 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014954.D

Acq: 16 Mar 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

C0DJ5

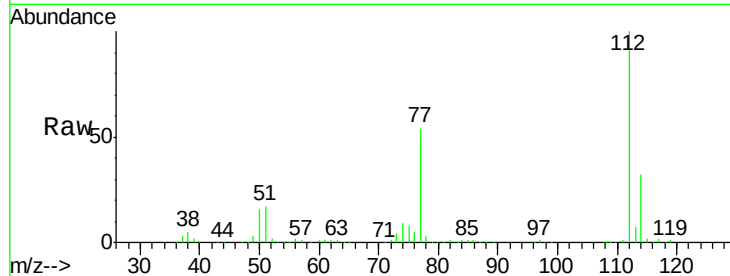
Tot Ion:112 Resp: 568580

Ion Ratio Lower Upper

112 100

114 32.4 22.8 42.4

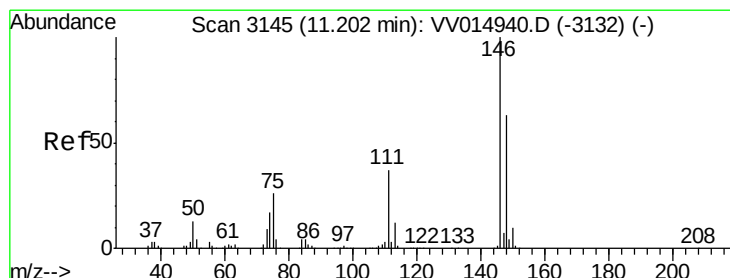
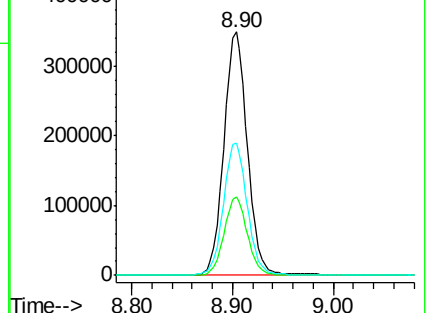
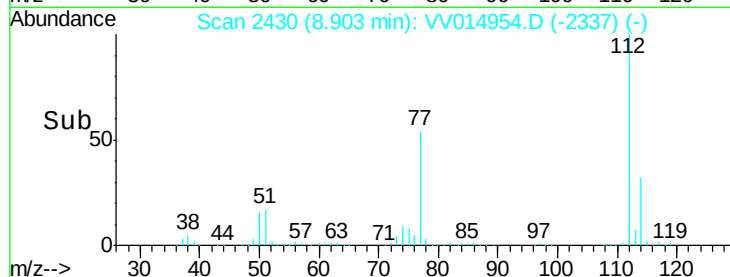
77 54.5 44.5 66.7



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: 2.269 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014954.D

Acq: 16 Mar 2020 18:32

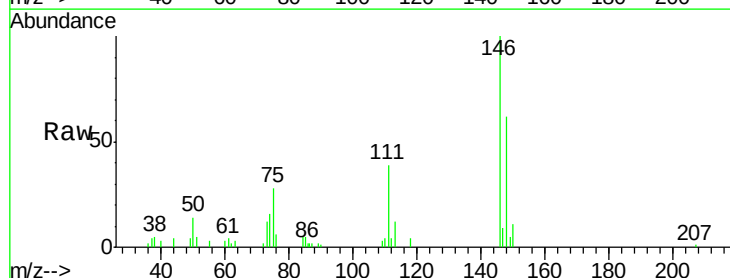
Tgt Ion:146 Resp: 12648

Ion Ratio Lower Upper

146 100

111 39.0 26.5 49.3

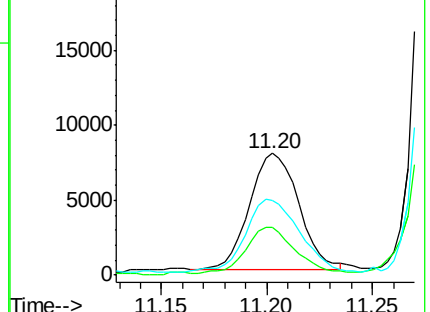
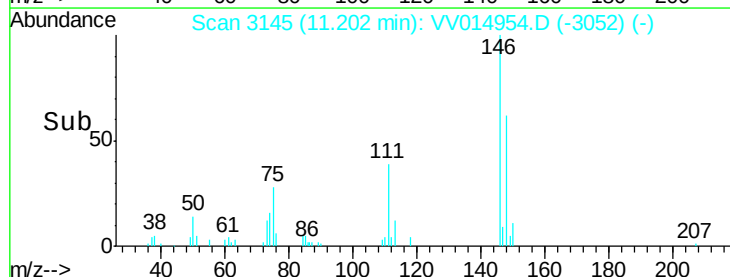
148 61.9 45.4 84.2

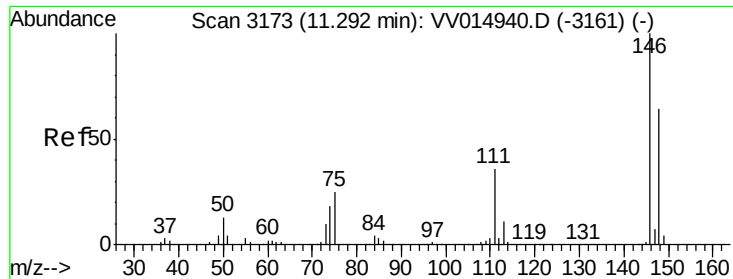


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

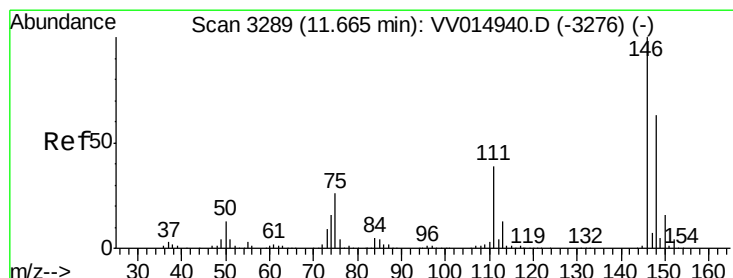
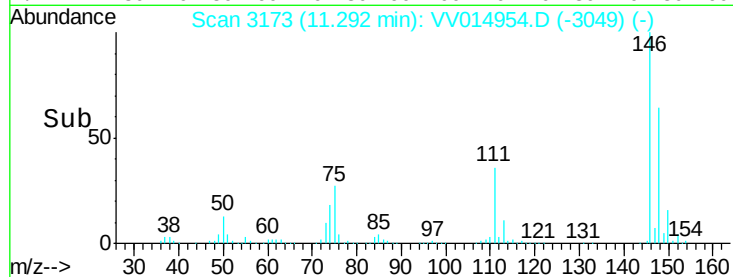
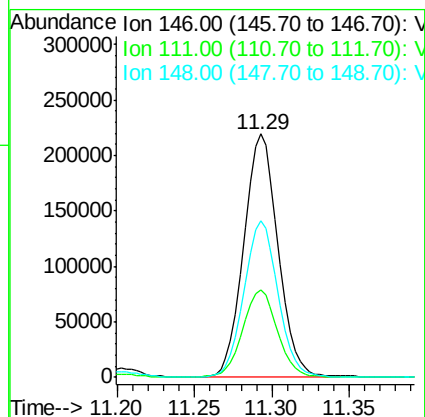
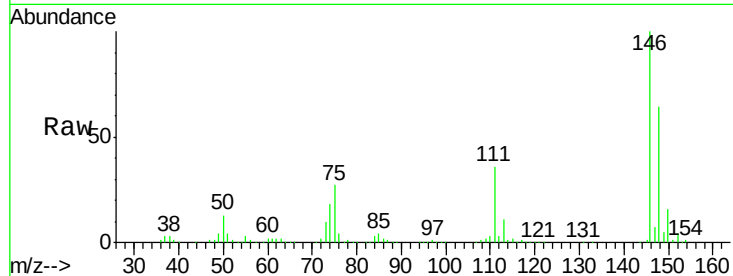




#63
 1,4-Dichlorobenzene
 Concen: 59.833 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV014954.D
 Acq: 16 Mar 2020 18:32

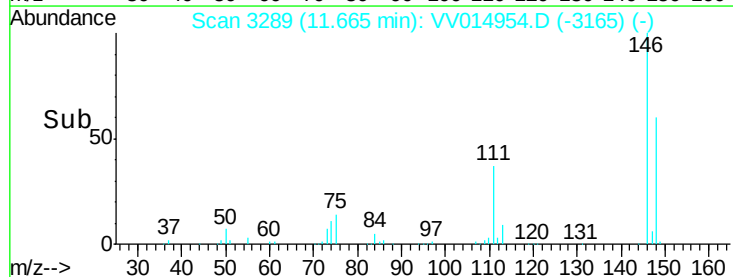
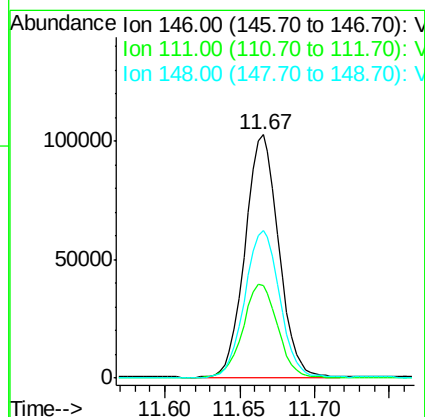
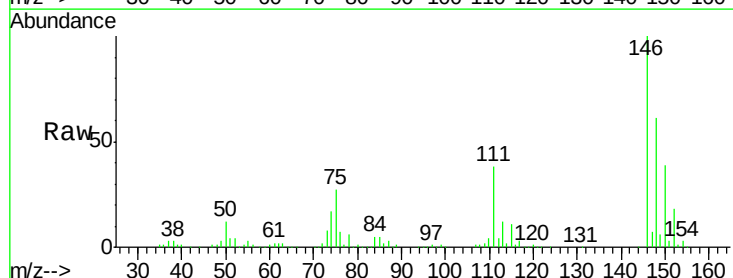
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 MSVOA_V
 ClientSampled :
 C0DJ5

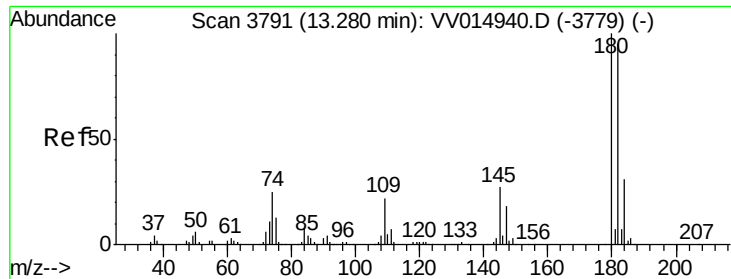
Tot Ion:146 Resp: 335996
 Ion Ratio Lower Upper
 146 100
 111 36.0 26.0 48.2
 148 64.2 46.1 85.5



#65
 1,2-Dichlorobenzene
 Concen: 28.709 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014954.D
 Acq: 16 Mar 2020 18:32

Tgt Ion:146 Resp: 159868
 Ion Ratio Lower Upper
 146 100
 111 38.3 31.6 47.4
 148 60.8 52.2 78.4

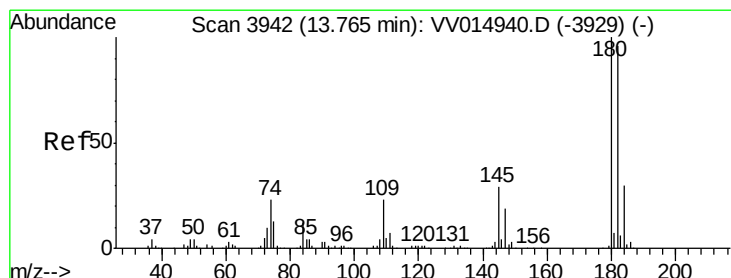
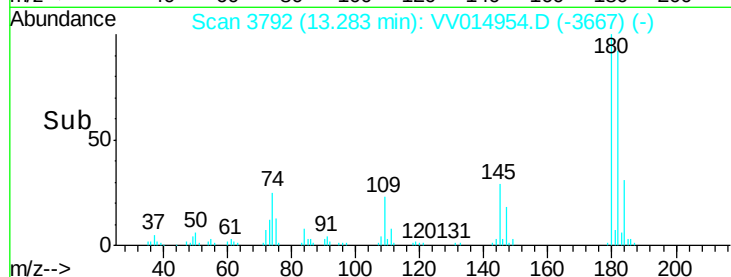
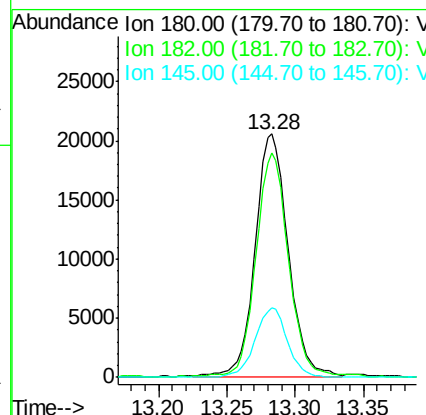
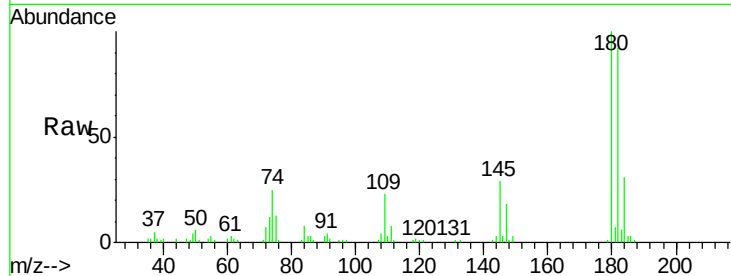




#68
 1,2,4-trichlorobenzene
 Concen: 8.955 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014954.D
 Acq: 16 Mar 2020 18:32

Instrument :
 MSVOA_V
 ClientSampled :
 C0DJ5

Tot Ion:180 Resp: 34886
 Ion Ratio Lower Upper
 180 100
 182 89.8 76.3 114.5
 145 27.6 23.1 34.7



#70
 1,2,3-Trichlorobenzene
 Concen: 0.590 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV014954.D
 Acq: 16 Mar 2020 18:32

Tgt Ion:180 Resp: 2275
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.2 114.4
 145 24.1 24.1 36.1

