

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\
 Data File : VV014801.D
 Acq On : 10 Mar 2020 14:32
 Operator : SY/MD
 Sample : L1834-18DL 40X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 11 02:00:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 11 01:57:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	414843	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	400008	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	197050	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	100271	35.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.44%
7) Chloroethane-d5	1.58	69	85923	38.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.42%
11) 1,1-Dichloroethene-d2	2.12	63	136718	29.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.62%#
21) 2-Butanone-d5	3.94	46	161168	76.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.97%
24) Chloroform-d	4.38	84	232811	43.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.06	65	161474	44.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.44%
32) Benzene-d6	5.08	84	481044	45.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.10%
36) 1,2-Dichloropropane-d6	6.10	67	150035	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.72%
41) Toluene-d8	7.34	98	457787	44.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.50%
43) trans-1,3-Dichloropropene-	7.64	79	69155	40.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.92%
47) 2-Hexanone-d5	8.12	63	147230	94.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.72%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	212508	44.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.26%
64) 1,2-Dichlorobenzene-d4	11.65	152	188437	48.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.50%

Target Compounds

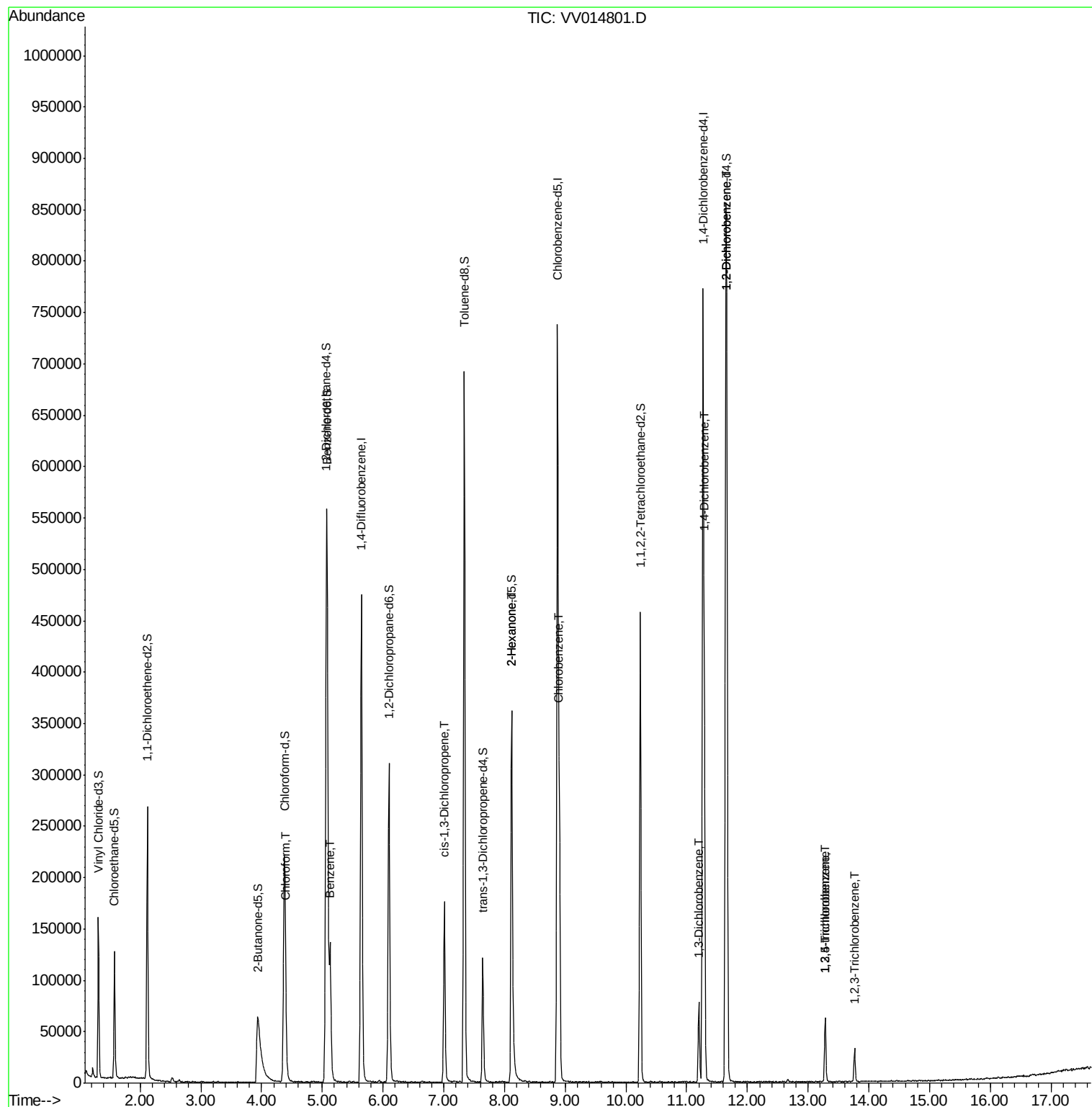
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	4.41	83	12040	2.137	ug/L	97
33) Benzene	5.13	78	133003	11.477	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	3915	0.798	ug/L #	33
48) 2-Hexanone	8.12	43	18791	5.265	ug/L #	69
51) Chlorobenzene	8.90	112	151793	18.453	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	32155	5.046	ug/L	95
63) 1,4-Dichlorobenzene	11.29	146	139428	21.718	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	219429	34.589	ug/L	99
67) 1,3,5-Trichlorobenzene	13.28	180	19524	3.962	ug/L	97
68) 1,2,4-trichlorobenzene	13.28	180	19524	4.310	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	9690	2.146	ug/L	90

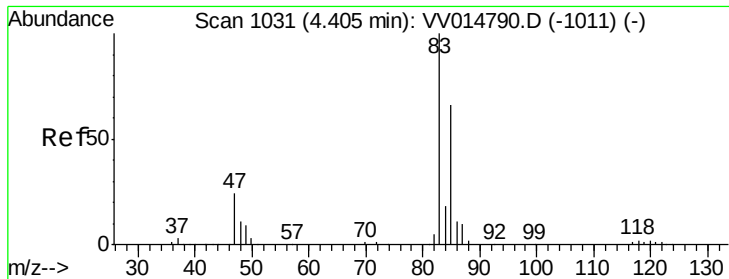
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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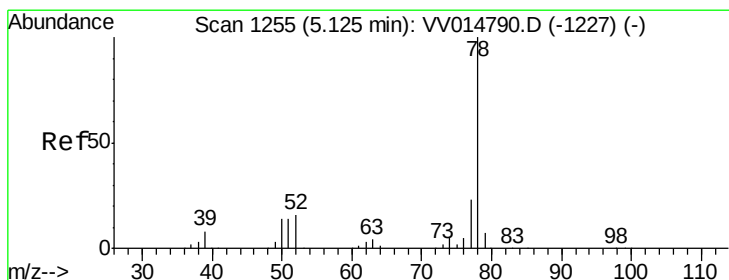
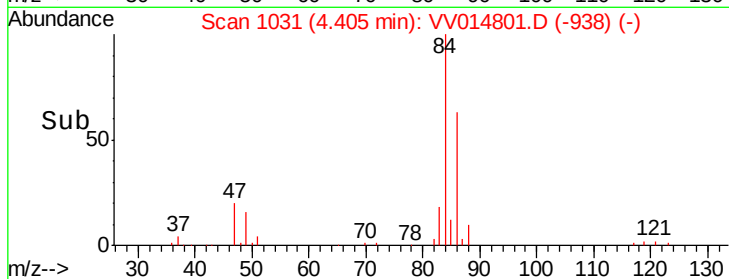
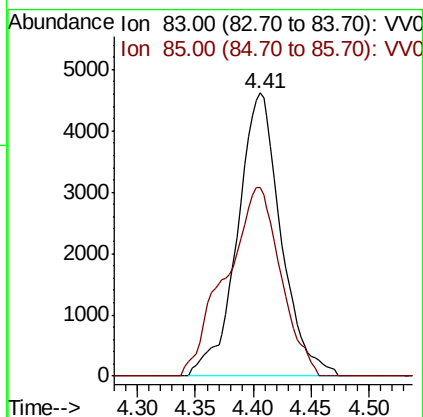
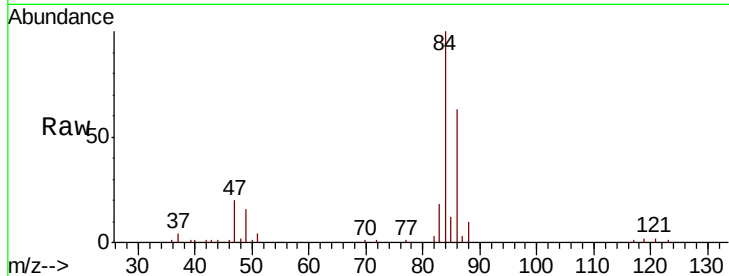




#25
Chloroform
Concen: 2.137 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV014801.D
Acq: 10 Mar 2020 14:32

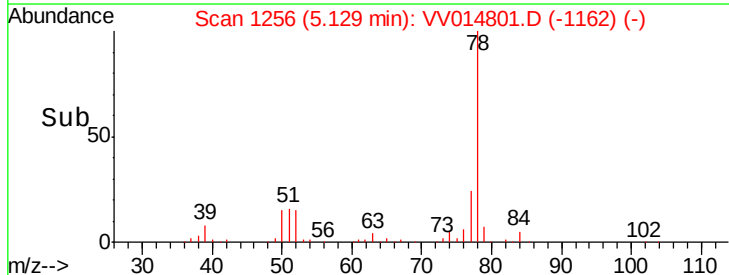
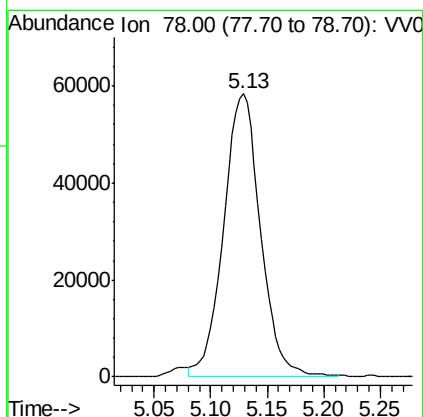
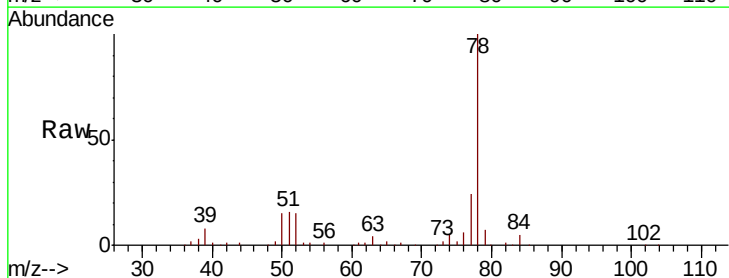
Instrument :
MSVOA_V
ClientSampleId :

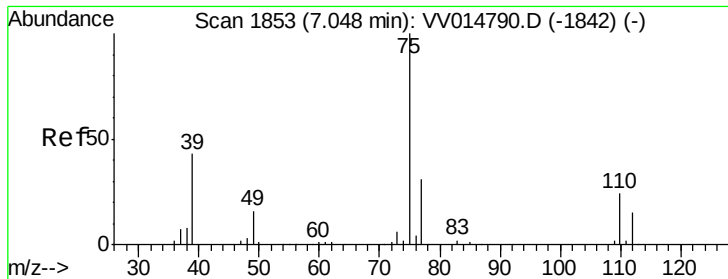
Tot Ion: 83 Resp: 12040
Ion Ratio Lower Upper
83 100
85 66.6 45.1 83.9



#33
Benzene
Concen: 11.477 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV014801.D
Acq: 10 Mar 2020 14:32

Tgt Ion: 78 Resp: 133003

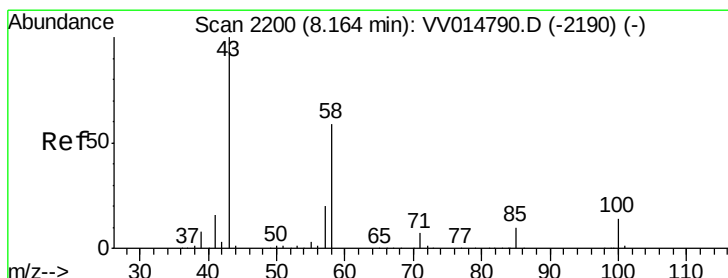
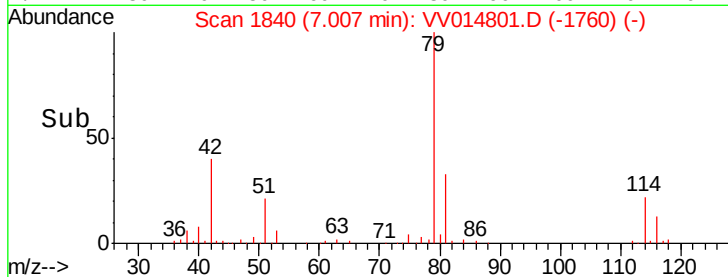
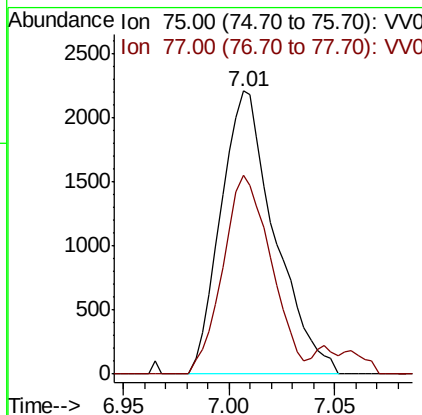
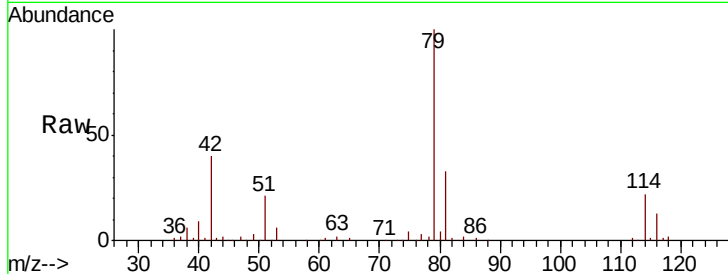




#39
 cis-1,3-Dichloropropene
 Concen: 0.798 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV014801.D
 Acq: 10 Mar 2020 14:32

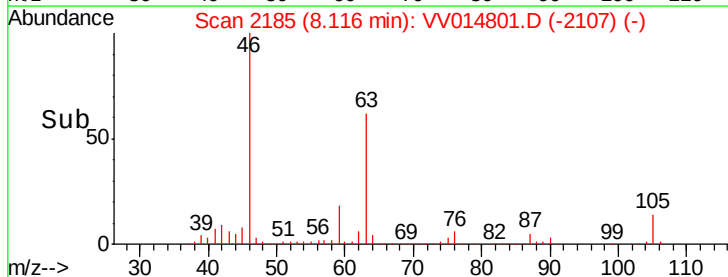
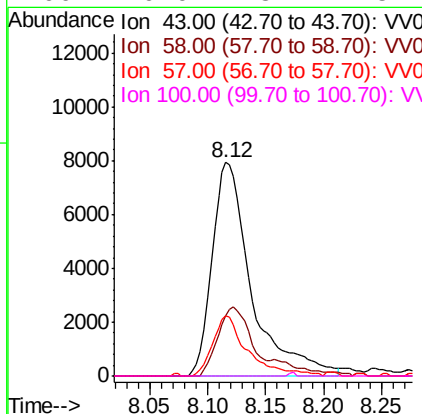
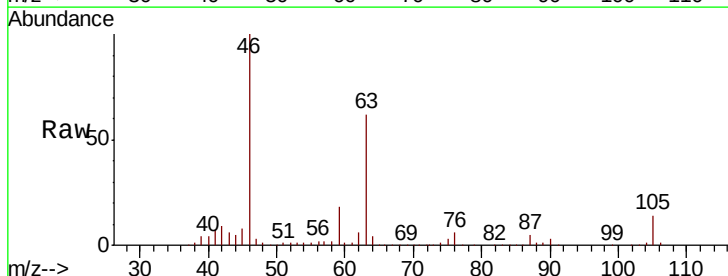
Instrument :
 MSVOA_V
 ClientSampleId :

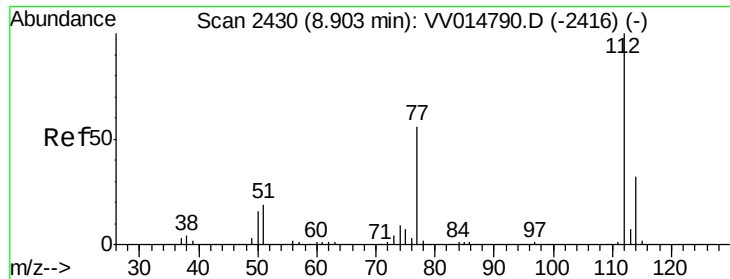
Tot Ion: 75 Resp: 3915
 Ion Ratio Lower Upper
 75 100
 77 70.2 22.8 42.4#



#48
 2-Hexanone
 Concen: 5.265 ug/L
 RT: 8.12 min Scan# 2185
 Delta R.T. -0.05 min
 Lab File: VV014801.D
 Acq: 10 Mar 2020 14:32

Tgt Ion: 43 Resp: 18791
 Ion Ratio Lower Upper
 43 100
 58 26.5 43.3 64.9#
 57 23.9 15.6 23.4#
 100 0.0 8.7 13.1#





#51

Chlorobenzene

Concen: 18.453 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014801.D

Acq: 10 Mar 2020 14:32

Instrument :
MSVOA_V
ClientSampled :

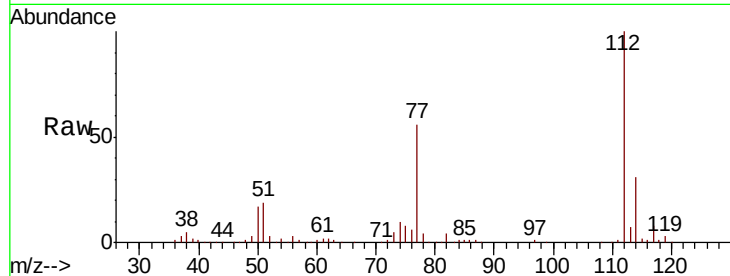
Tot Ion:112 Resp: 151793

Ion Ratio Lower Upper

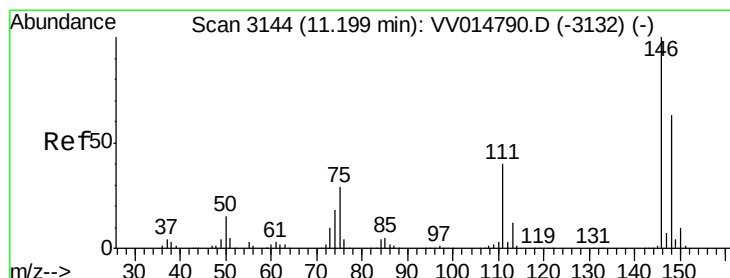
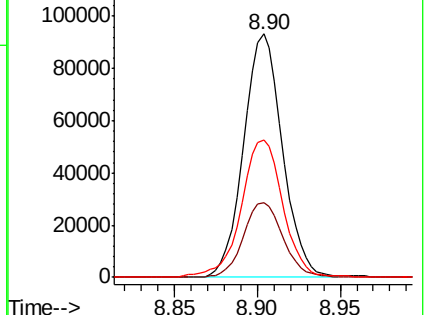
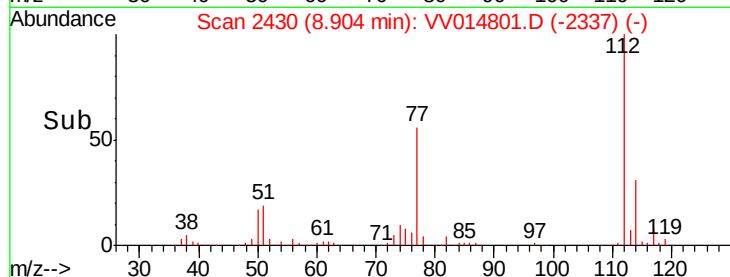
112 100

114 30.7 22.1 41.1

77 56.5 47.8 71.8



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): V



#62

1,3-Dichlorobenzene

Concen: 5.046 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014801.D

Acq: 10 Mar 2020 14:32

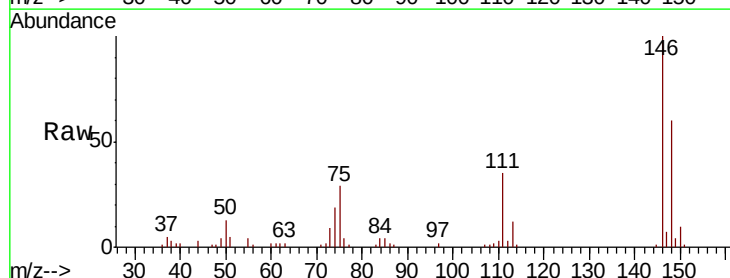
Tgt Ion:146 Resp: 32155

Ion Ratio Lower Upper

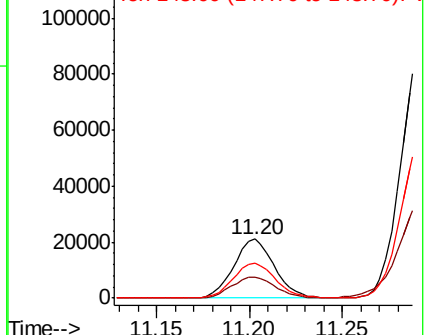
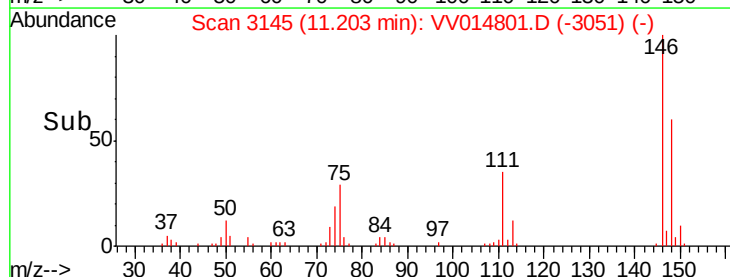
146 100

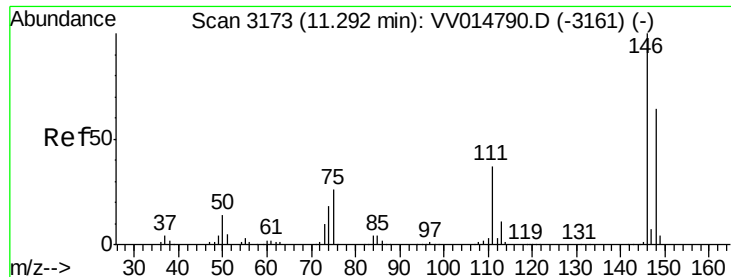
111 35.3 27.2 50.4

148 59.5 44.2 82.2



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

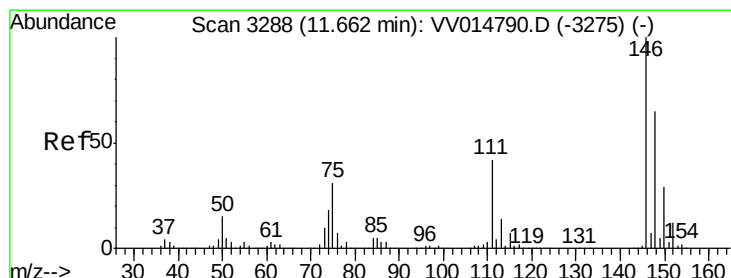
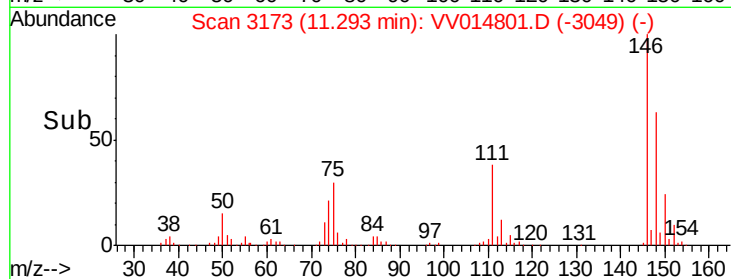
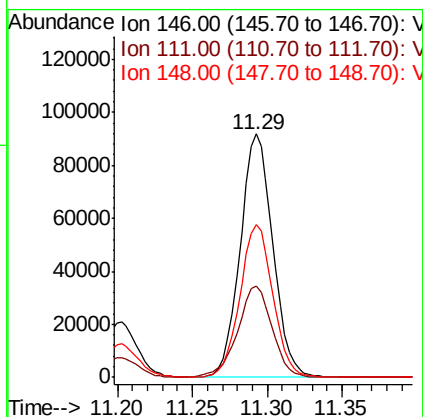
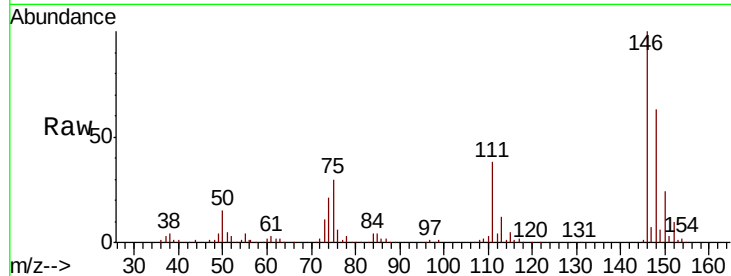




#63
 1,4-Dichlorobenzene
 Concen: 21.718 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV014801.D
 Acq: 10 Mar 2020 14:32

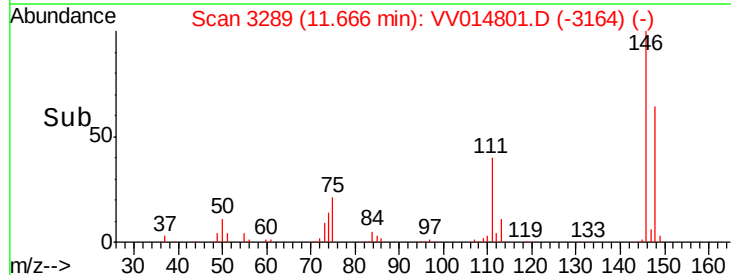
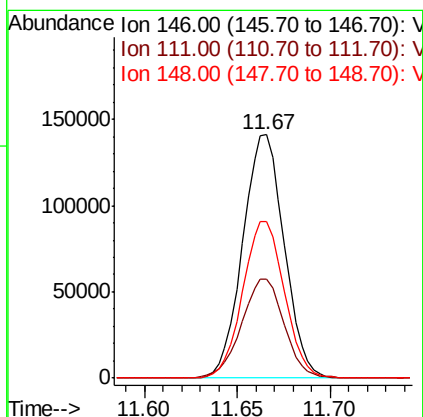
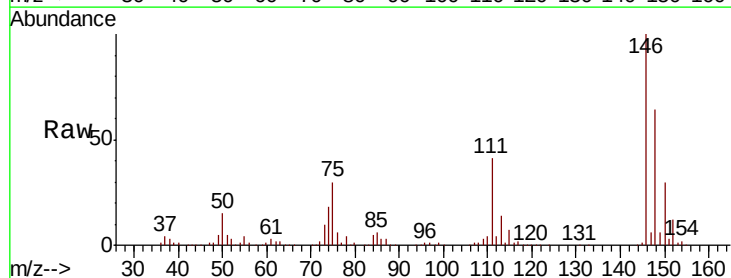
Instrument :
 MSVOA_V
 ClientSampled :

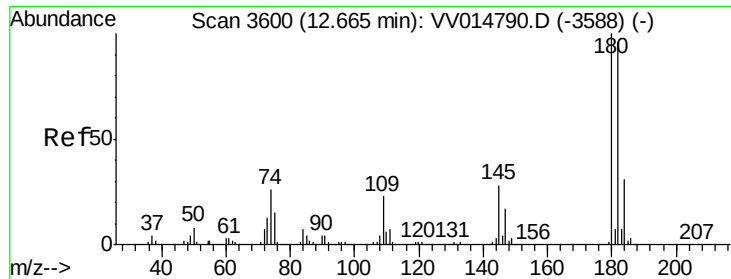
Tot Ion:146 Resp: 139428
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.3 48.9
 148 63.0 44.0 81.8



#65
 1,2-Dichlorobenzene
 Concen: 34.589 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014801.D
 Acq: 10 Mar 2020 14:32

Tgt Ion:146 Resp: 219429
 Ion Ratio Lower Upper
 146 100
 111 40.8 33.9 50.9
 148 64.1 51.4 77.0

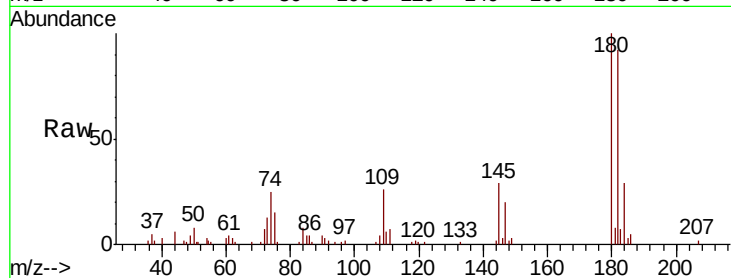




#67
 1,3,5-Trichlorobenzene
 Concen: 3.962 ug/L
 RT: 13.28 min Scan# 3791
 Delta R.T. 0.61 min
 Lab File: VV014801.D
 Acq: 10 Mar 2020 14:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	19524	
Ion	Ratio	Lower	Upper
180	100		
182	98.7	75.6	113.4
184	30.4	24.8	37.2
145	30.6	23.3	34.9



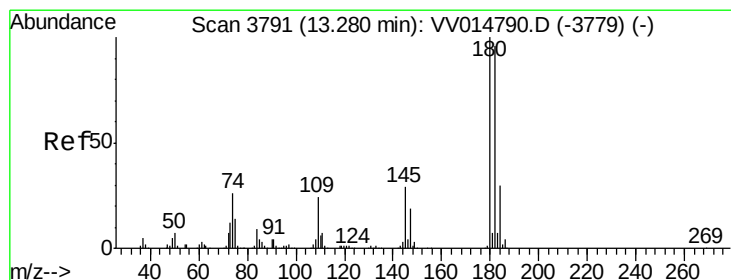
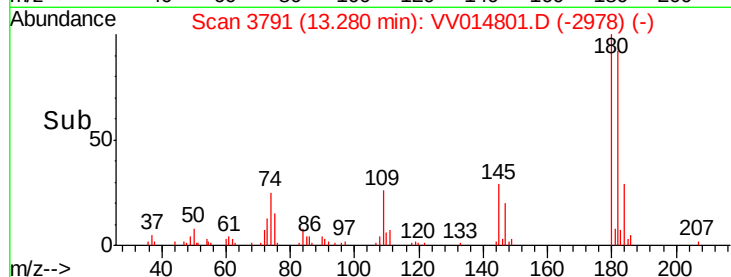
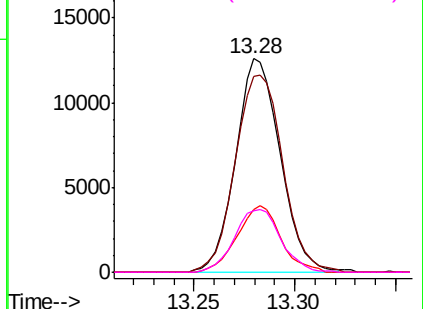
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

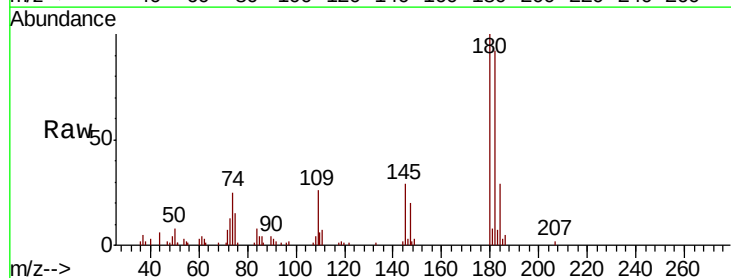
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.310 ug/L
 RT: 13.28 min Scan# 3791
 Delta R.T. 0.00 min
 Lab File: VV014801.D
 Acq: 10 Mar 2020 14:32

Tgt Ion:180	Resp:	19524
Ion Ratio	Lower	Upper
180 100		
182 98.7	76.6	114.8
145 30.6	23.4	35.0

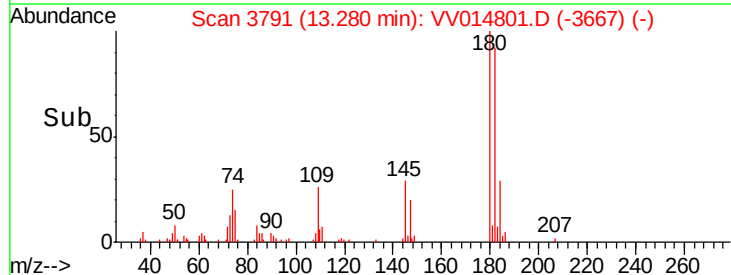
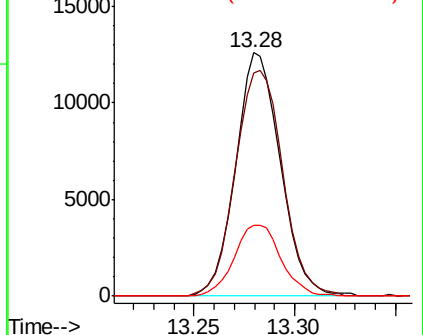


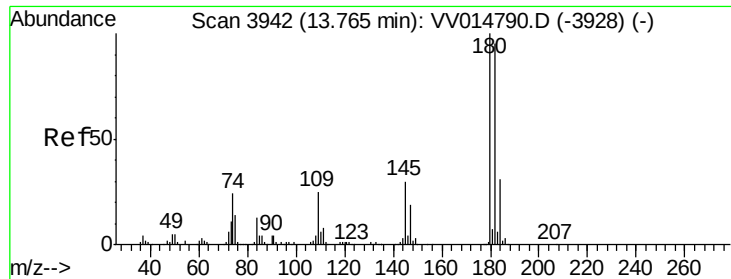
Abundance

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: 2.146 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014801.D
 Acq: 10 Mar 2020 14:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	105.1	76.5	114.7
145	36.9	25.0	37.4

