

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030920\
 Data File : VV014777.D
 Acq On : 09 Mar 2020 15:24
 Operator : SY/MD
 Sample : VIBLK40
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK40

Quant Time: Mar 10 16:25:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 10 14:44:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	444068	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	424107	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	211853	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	127226	42.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.68%
7) Chloroethane-d5	1.58	69	104993	44.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.38%
11) 1,1-Dichloroethene-d2	2.12	63	161875	32.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.84%
21) 2-Butanone-d5	3.94	46	200742	89.56	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.56%
24) Chloroform-d	4.38	84	258330	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.06	65	179672	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.98%
32) Benzene-d6	5.08	84	551462	49.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.50%
36) 1,2-Dichloropropane-d6	6.10	67	169929	45.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.56%
41) Toluene-d8	7.34	98	517836	47.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.44%
43) trans-1,3-Dichloropropene-	7.64	79	81630	45.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.10%
47) 2-Hexanone-d5	8.12	63	166840	101.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.24%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	239028	46.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	208060	49.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.10%

Target Compounds

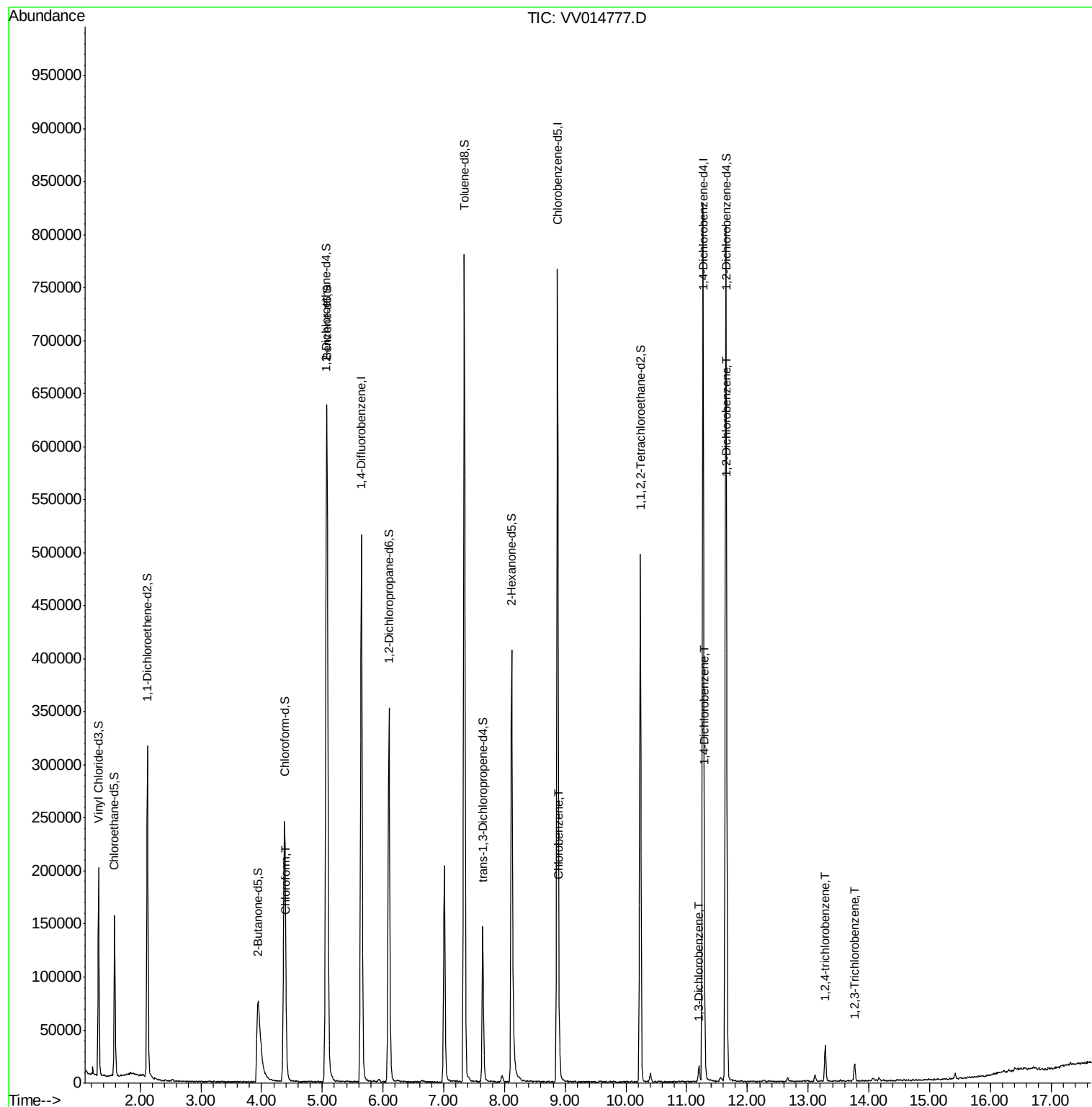
					Ovalue
25) Chloroform	4.41	83	9866	1.636 ug/L	92
51) Chlorobenzene	8.90	112	15201	1.743 ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	6271	0.915 ug/L	93
63) 1,4-Dichlorobenzene	11.30	146	31339	4.541 ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	34157	5.008 ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	10418	2.139 ug/L	94
70) 1,2,3-Trichlorobenzene	13.77	180	5514	1.136 ug/L	99

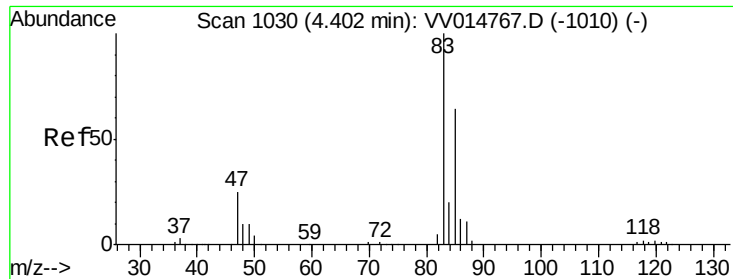
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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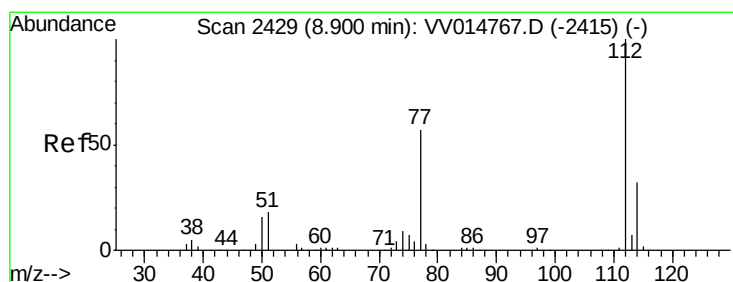
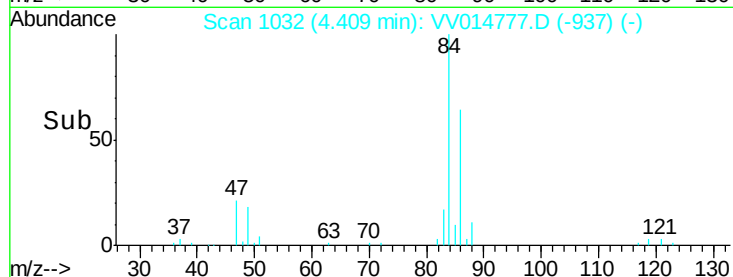
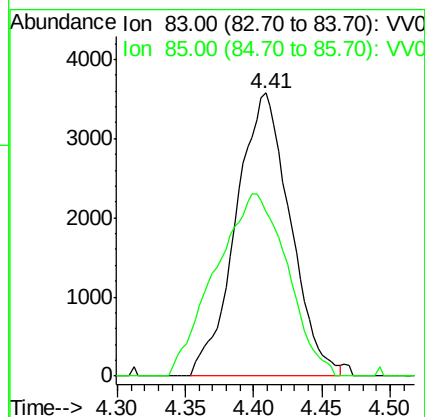
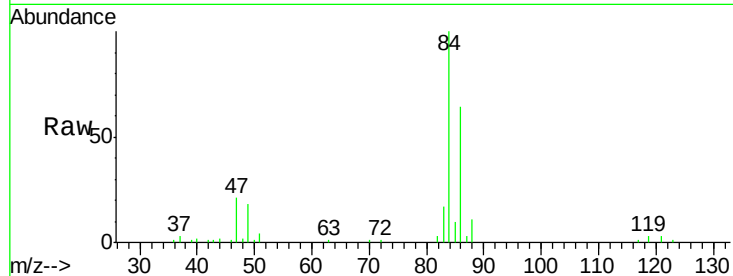




#25
Chloroform
Concen: 1.636 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV014777.D
Acq: 09 Mar 2020 15:24

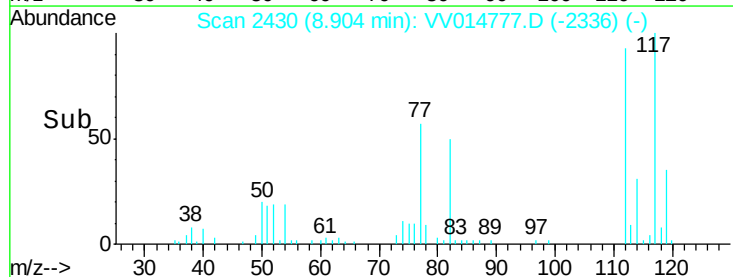
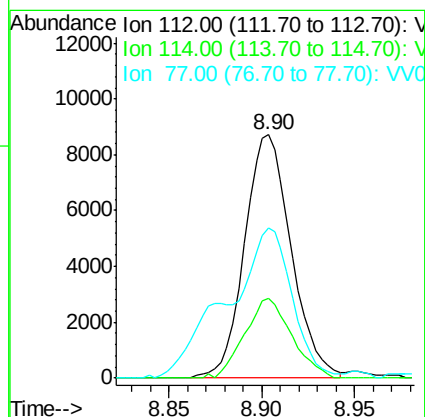
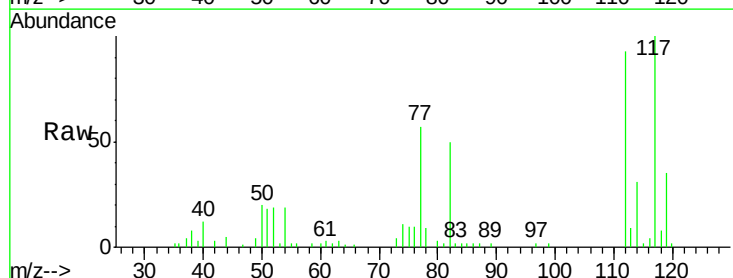
Instrument :
MSVOA_V
ClientSampleId :
VIBLK40

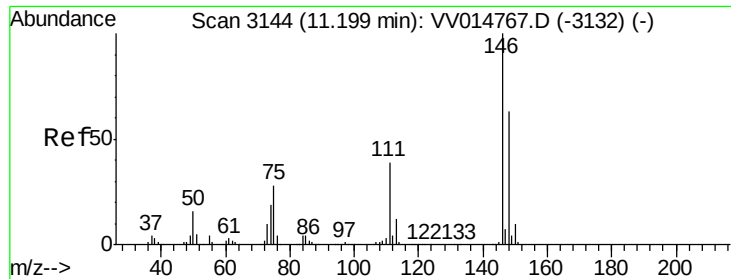
Tot Ion: 83 Resp: 9866
Ion Ratio Lower Upper
83 100
85 58.3 45.1 83.9



#51
Chlorobenzene
Concen: 1.743 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014777.D
Acq: 09 Mar 2020 15:24

Tgt Ion: 112 Resp: 15201
Ion Ratio Lower Upper
112 100
114 32.9 22.1 41.1
77 61.6 47.8 71.8

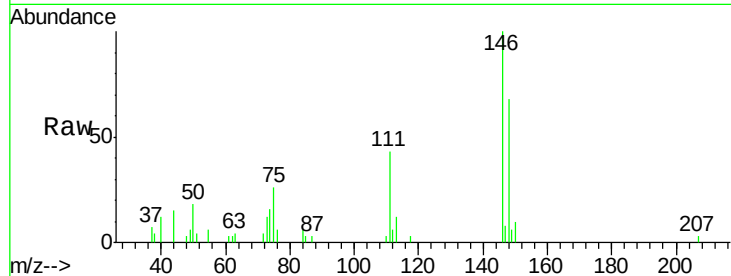




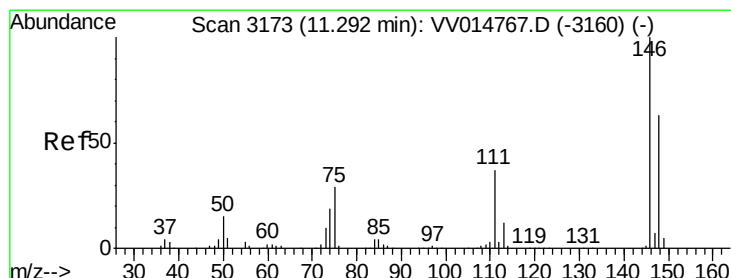
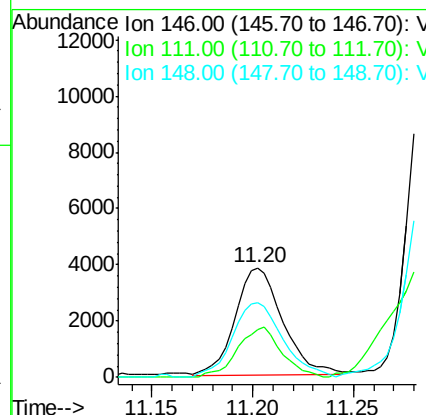
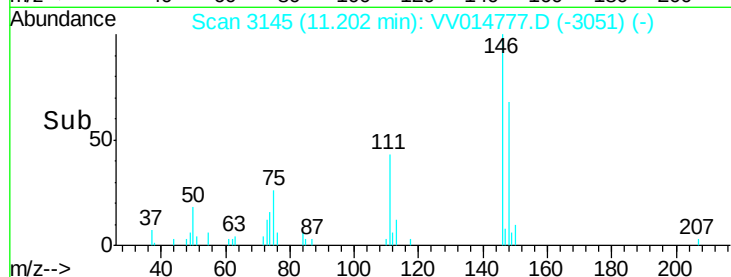
#62
 1,3-Dichlorobenzene
 Concen: 0.915 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV014777.D
 Acq: 09 Mar 2020 15:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK40

Tot Ion:146 Resp: 6271
 Ion Ratio Lower Upper
 146 100
 111 43.1 27.2 50.4
 148 68.1 44.2 82.2

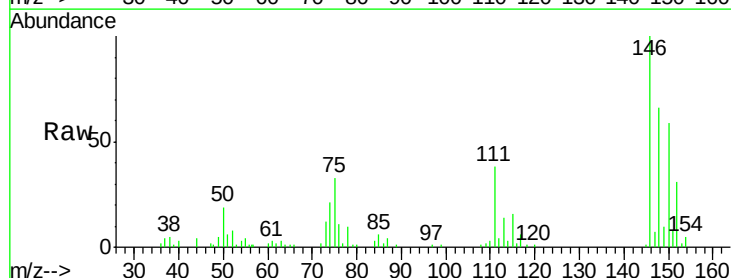


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

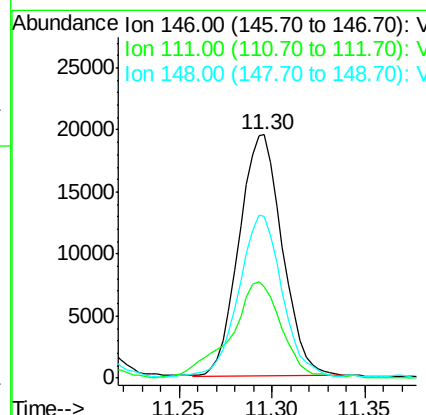
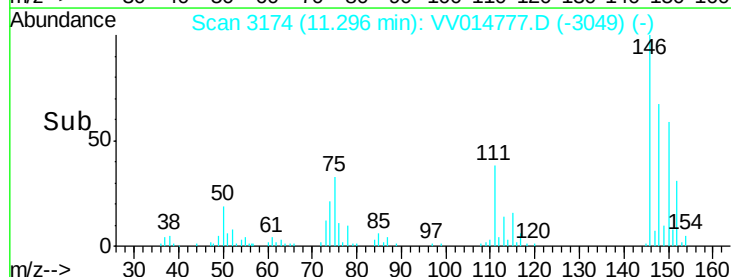


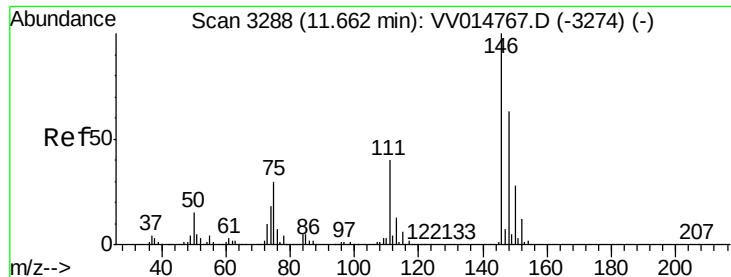
#63
 1,4-Dichlorobenzene
 Concen: 4.541 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV014777.D
 Acq: 09 Mar 2020 15:24

Tgt Ion:146 Resp: 31339
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.3 48.9
 148 66.3 44.0 81.8



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

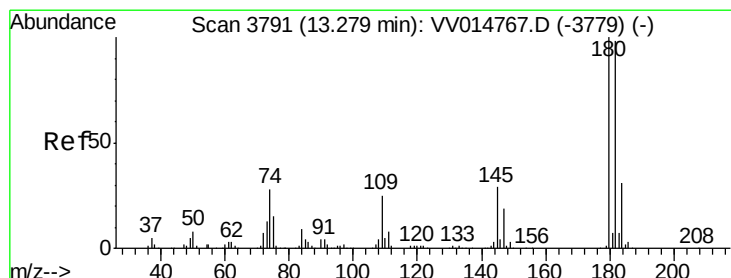
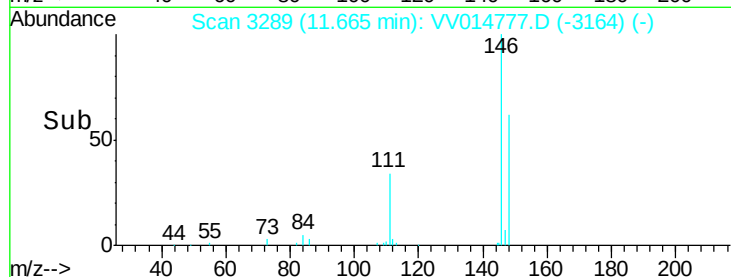
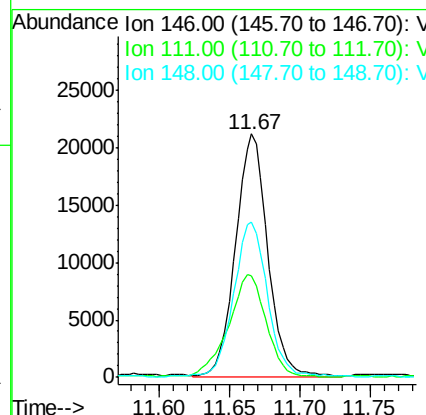
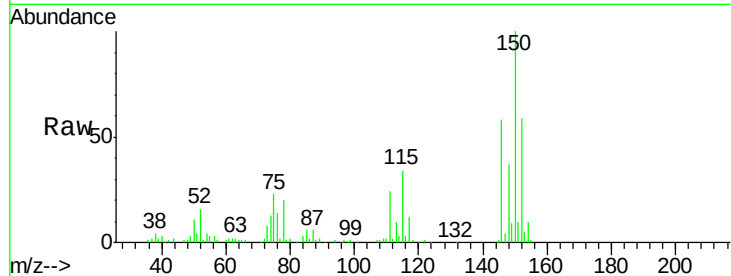




#65
 1,2-Dichlorobenzene
 Concen: 5.008 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014777.D
 Acq: 09 Mar 2020 15:24

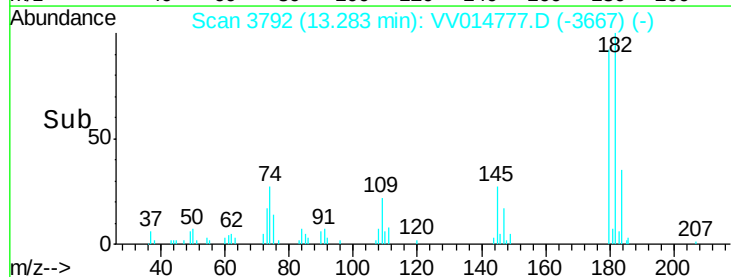
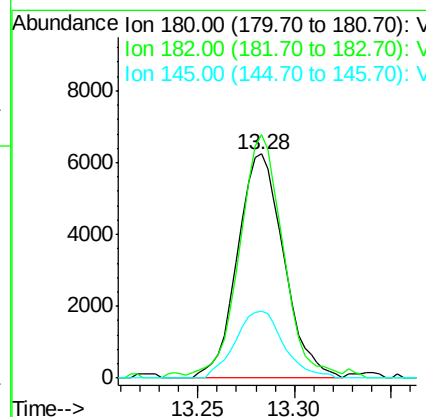
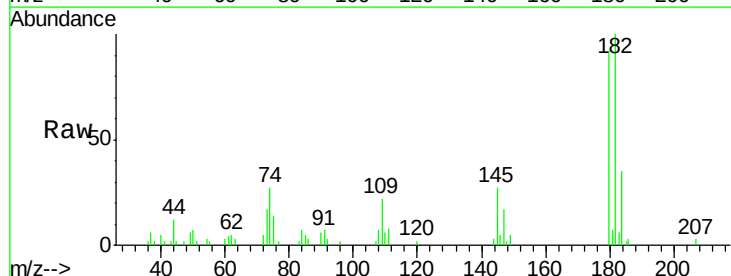
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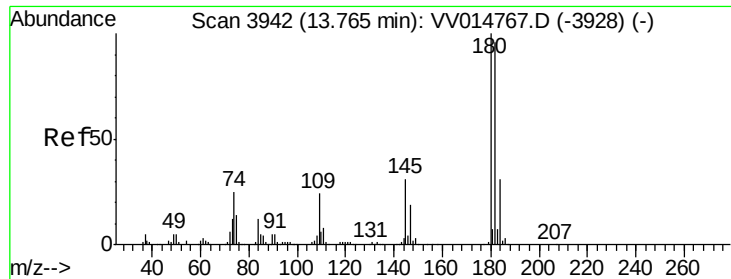
Tot Ion:146 Resp: 34157
 Ion Ratio Lower Upper
 146 100
 111 41.4 33.9 50.9
 148 63.6 51.4 77.0



#68
 1,2,4-trichlorobenzene
 Concen: 2.139 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014777.D
 Acq: 09 Mar 2020 15:24

Tgt Ion:180 Resp: 10418
 Ion Ratio Lower Upper
 180 100
 182 101.9 76.6 114.8
 145 31.2 23.4 35.0

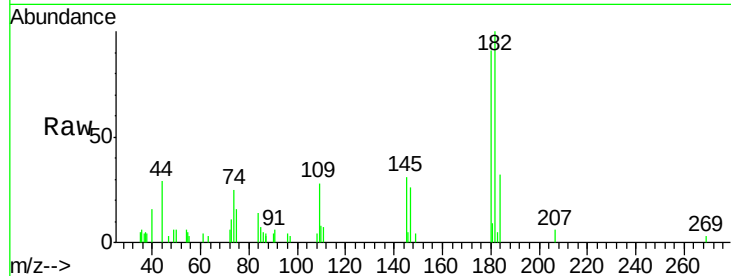




#70
 1,2,3-Trichlorobenzene
 Concen: 1.136 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV014777.D
 Acq: 09 Mar 2020 15:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK40

Tot Ion:180 Resp: 5514
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.5 114.7
 145 28.7 25.0 37.4



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

