

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031720\
 Data File : VV014981.D
 Acq On : 17 Mar 2020 18:13
 Operator : SY/MD
 Sample : L1940-18
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD0

Quant Time: Mar 18 07:01:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 05:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	331205	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	326886	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	157814	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87256	39.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.10%
7) Chloroethane-d5	1.58	69	67994	41.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.98%
11) 1,1-Dichloroethene-d2	2.12	63	109964	32.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.96%
21) 2-Butanone-d5	3.93	46	107027	79.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.55%
24) Chloroform-d	4.38	84	202352	44.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.04%
26) 1,2-Dichloroethane-d4	5.06	65	136241	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.56%
32) Benzene-d6	5.08	84	414413	46.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.04%
36) 1,2-Dichloropropane-d6	6.10	67	122659	45.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.48%
41) Toluene-d8	7.34	98	395733	44.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.86%
43) trans-1,3-Dichloropropene-	7.64	79	55446	38.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.78%
47) 2-Hexanone-d5	8.12	63	114044	94.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.22%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	178710	45.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.04%
64) 1,2-Dichlorobenzene-d4	11.65	152	170733	49.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.78%

Target Compounds

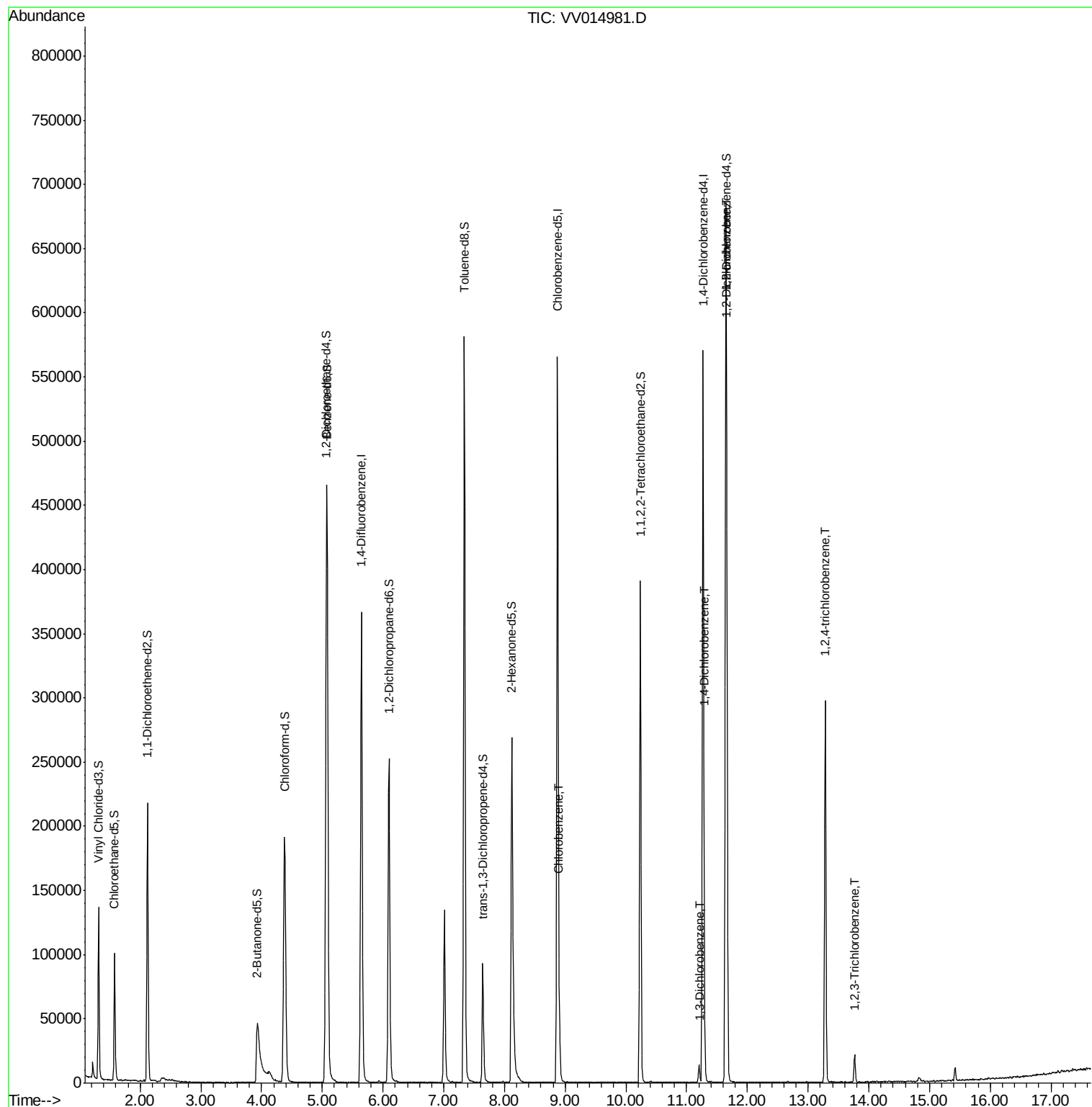
					Ovalue
51) Chlorobenzene	8.90	112	21889	3.176 ug/L	96
62) 1,3-Dichlorobenzene	11.21	146	6384	1.228 ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	15084	2.879 ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	114081	21.960 ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	99235	27.306 ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	7663	2.130 ug/L	98

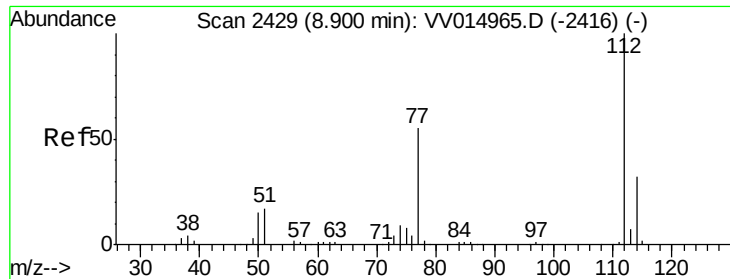
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#51

Chlorobenzene

Concen: 3.176 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014981.D

Acq: 17 Mar 2020 18:13

Instrument :

MSVOA_V

ClientSampleId :

C0DD0

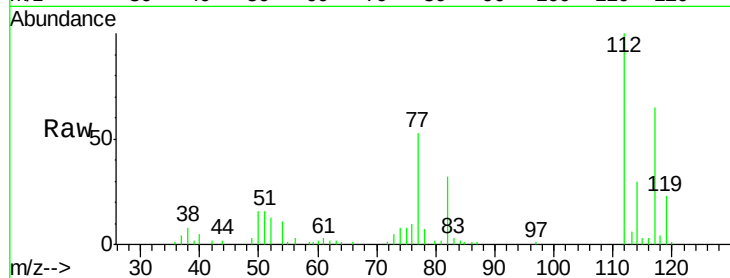
Tot Ion:112 Resp: 21889

Ion Ratio Lower Upper

112 100

114 30.2 22.8 42.4

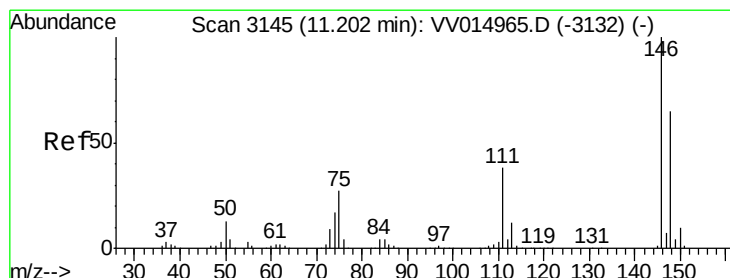
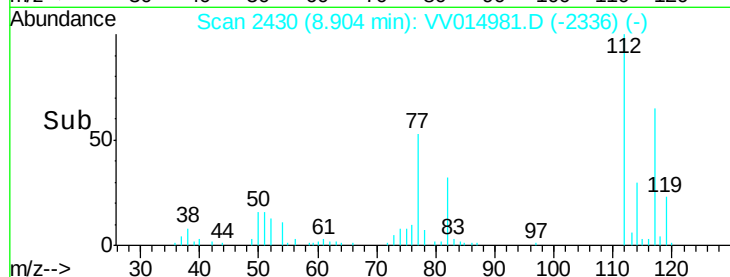
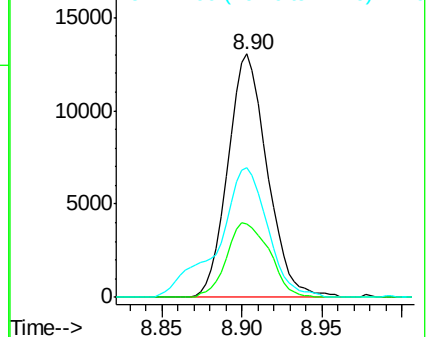
77 53.2 44.5 66.7



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: 1.228 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV014981.D

Acq: 17 Mar 2020 18:13

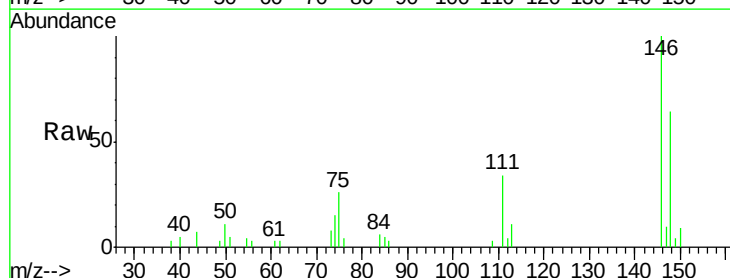
Tgt Ion:146 Resp: 6384

Ion Ratio Lower Upper

146 100

111 34.3 26.5 49.3

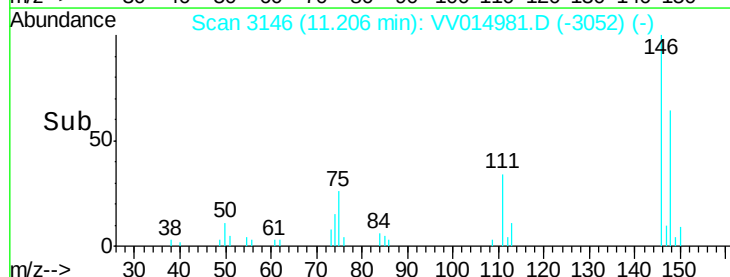
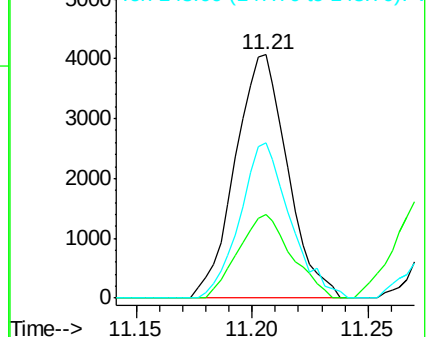
148 63.7 45.4 84.2

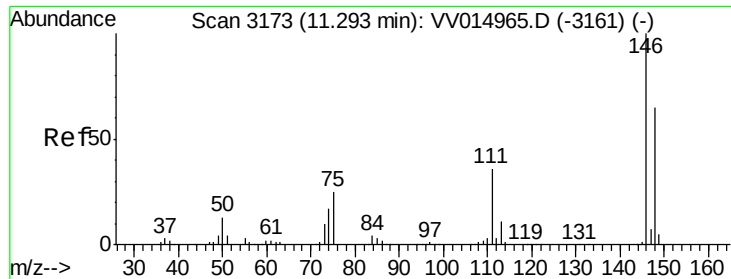


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

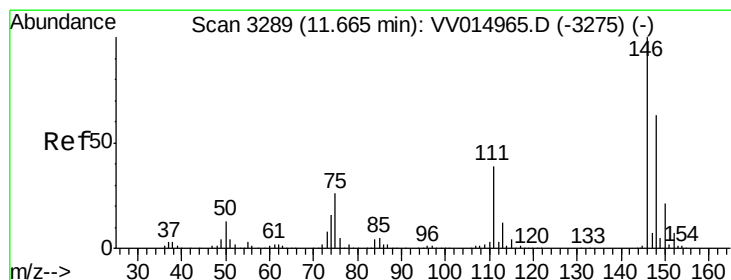
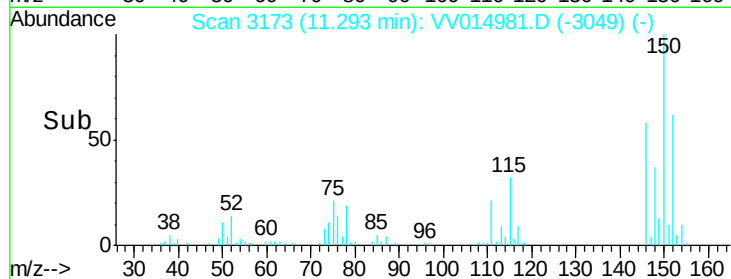
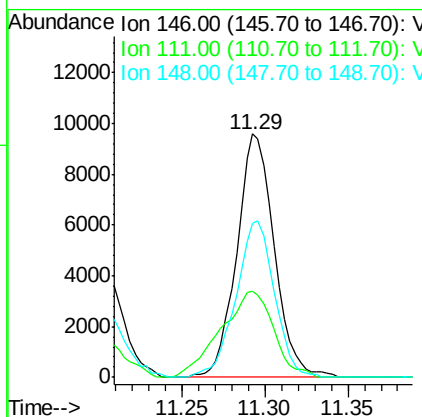
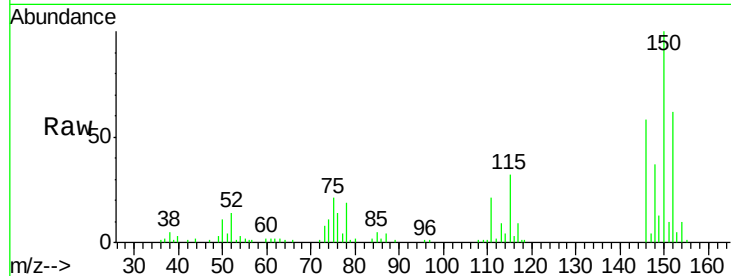




#63
 1,4-Dichlorobenzene
 Concen: 2.879 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV014981.D
 Acq: 17 Mar 2020 18:13

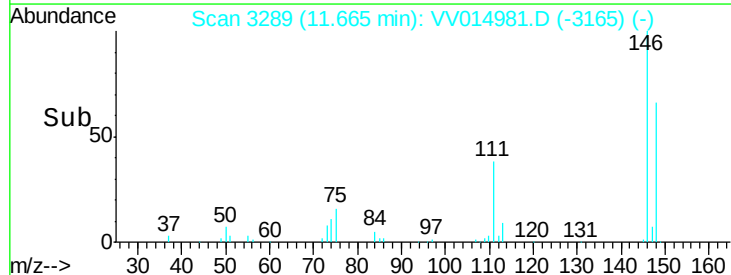
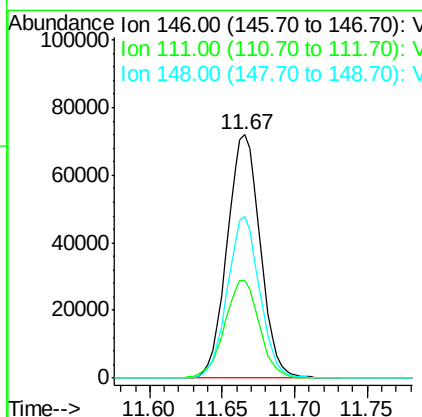
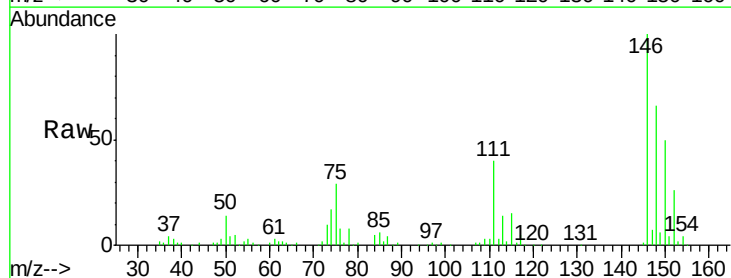
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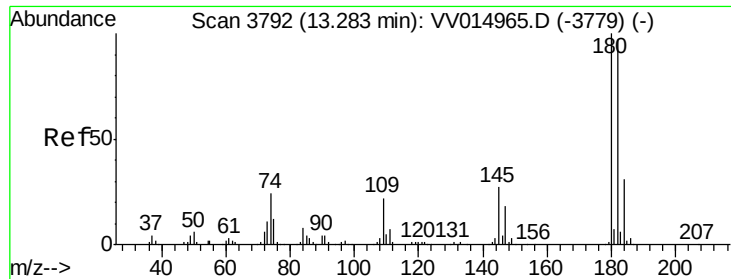
Tot Ion:146 Resp: 15084
 Ion Ratio Lower Upper
 146 100
 111 35.6 26.0 48.2
 148 63.2 46.1 85.5



#65
 1,2-Dichlorobenzene
 Concen: 21.960 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV014981.D
 Acq: 17 Mar 2020 18:13

Tgt Ion:146 Resp: 114081
 Ion Ratio Lower Upper
 146 100
 111 40.0 31.6 47.4
 148 66.4 52.2 78.4

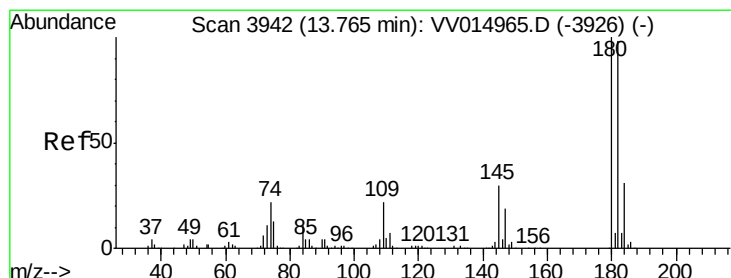
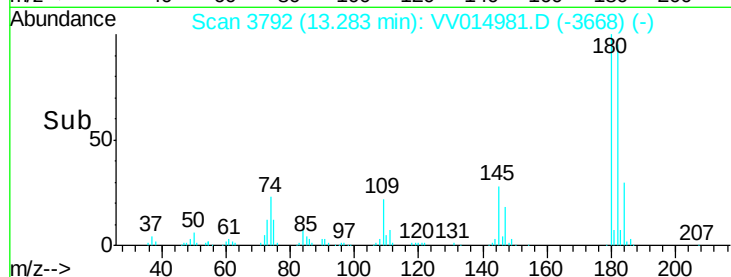
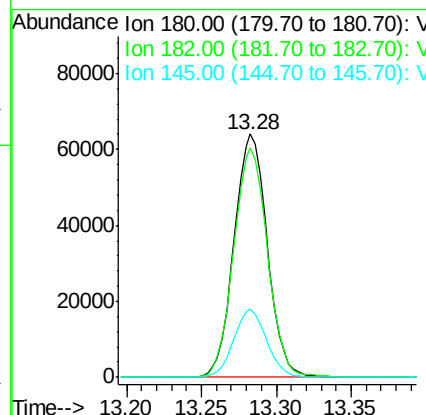
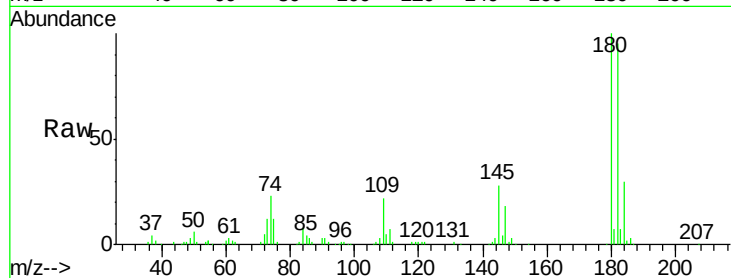




#68
 1,2,4-trichlorobenzene
 Concen: 27.306 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV014981.D
 Acq: 17 Mar 2020 18:13

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD0

Tot Ion:180 Resp: 99235
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.3 114.5
 145 27.7 23.1 34.7



#70
 1,2,3-Trichlorobenzene
 Concen: 2.130 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014981.D
 Acq: 17 Mar 2020 18:13

Tgt Ion:180 Resp: 7663
 Ion Ratio Lower Upper
 180 100
 182 92.9 76.2 114.4
 145 31.3 24.1 36.1

