

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014951.D
 Acq On : 16 Mar 2020 17:19
 Operator : SY/MD
 Sample : L1890-16
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DH3

Quant Time: Mar 18 04:18:17 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	346087	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	337432	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	162339	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104156	45.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.36%
7) Chloroethane-d5	1.58	69	80894	47.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.48%
11) 1,1-Dichloroethene-d2	2.12	63	127904	36.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.32%
21) 2-Butanone-d5	3.93	46	107422	76.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.41%
24) Chloroform-d	4.38	84	220620	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.86%
26) 1,2-Dichloroethane-d4	5.06	65	146728	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.42%
32) Benzene-d6	5.08	84	452844	48.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.42%
36) 1,2-Dichloropropane-d6	6.09	67	134388	48.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.10%
41) Toluene-d8	7.34	98	433952	47.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.64	79	65722	44.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.32%
47) 2-Hexanone-d5	8.12	63	123655	98.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	189996	46.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.76%
64) 1,2-Dichlorobenzene-d4	11.65	152	182513	51.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.64%

Target Compounds

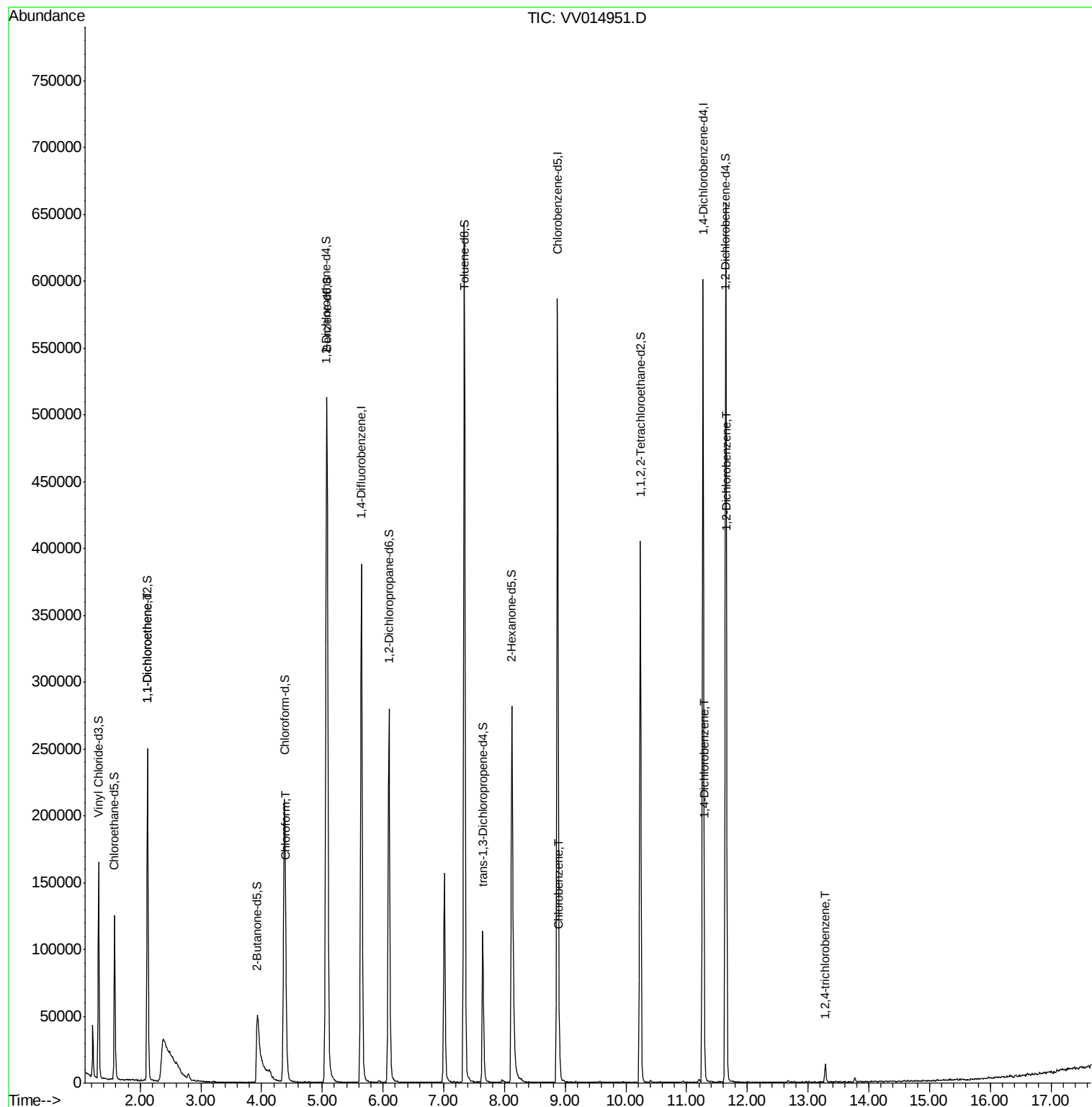
					Ovalue
12) 1,1-Dichloroethene	2.12	96	1297	0.797 ug/L #	1
25) Chloroform	4.41	83	20768	4.583 ug/L	99
51) Chlorobenzene	8.91	112	9142	1.285 ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	6147	1.141 ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	4001	0.749 ug/L #	83
68) 1,2,4-trichlorobenzene	13.29	180	4725	1.264 ug/L	95

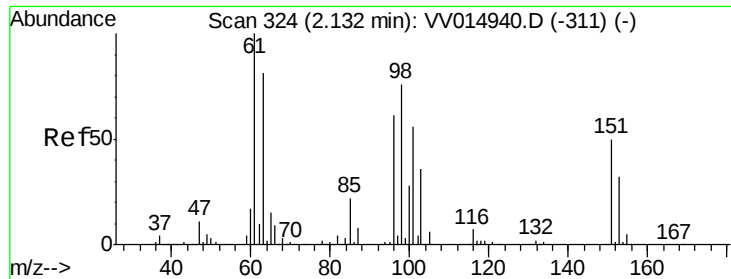
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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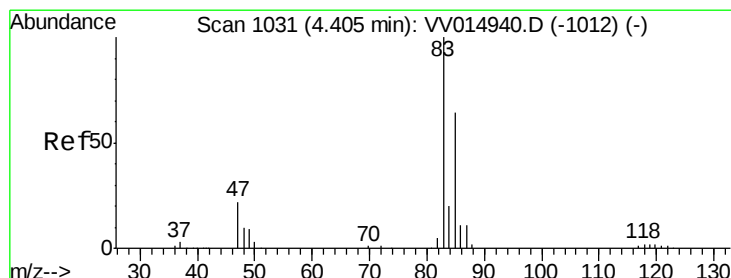
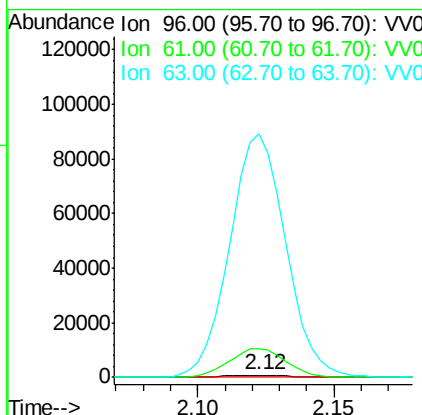
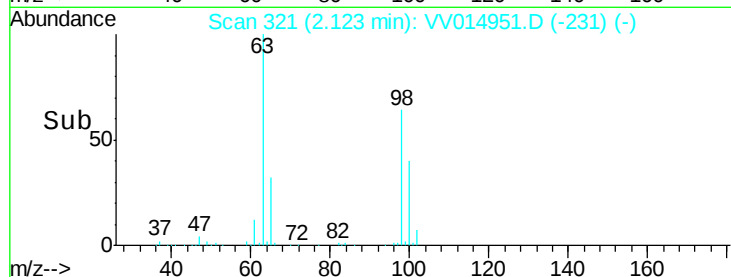
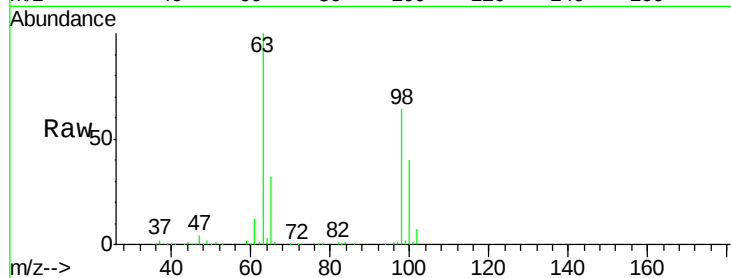




#12
 1,1-Dichloroethene
 Concen: 0.797 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV014951.D
 Acq: 16 Mar 2020 17:19

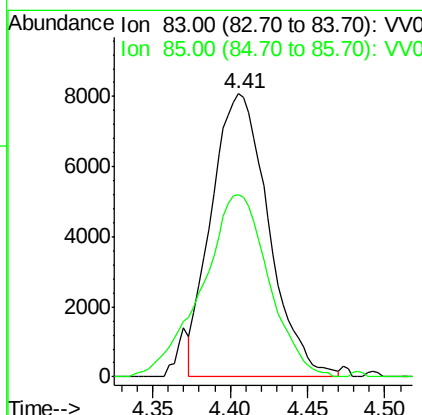
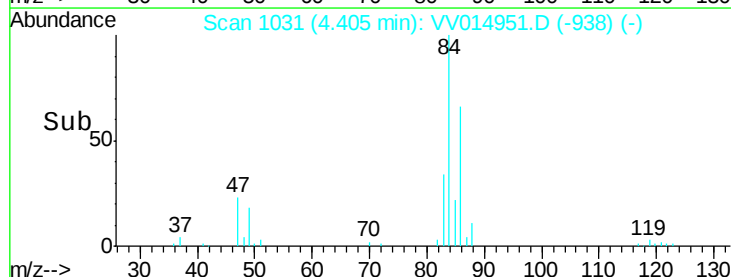
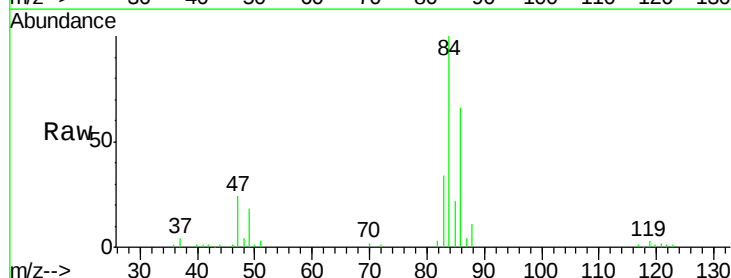
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 ClientSampleId :
 C0DH3

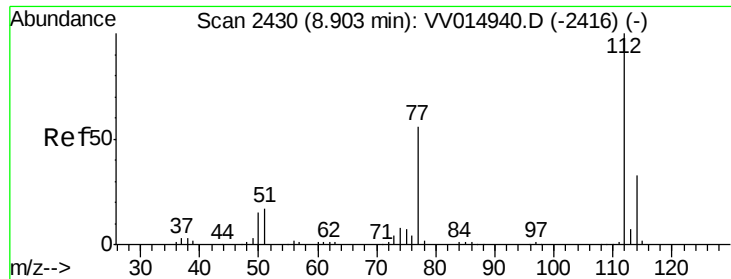
Tot Ion: 96 Resp: 1297
 Ion Ratio Lower Upper
 96 100
 61 1303.1 115.7 214.9#
 63 10893.3 99.2 184.2#



#25
 Chloroform
 Concen: 4.583 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VV014951.D
 Acq: 16 Mar 2020 17:19

Tgt Ion: 83 Resp: 20768
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.6 82.8

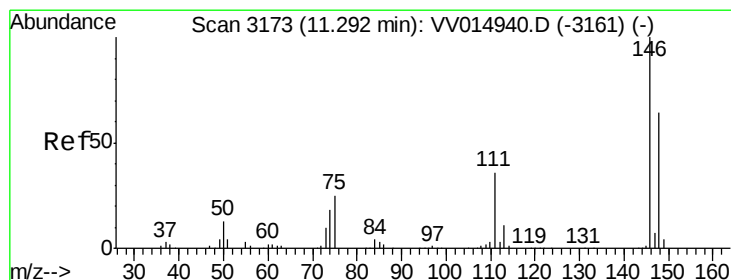
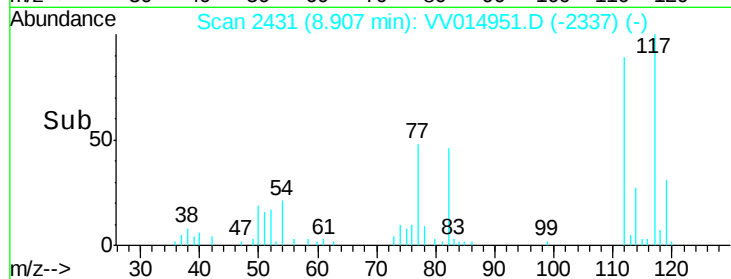
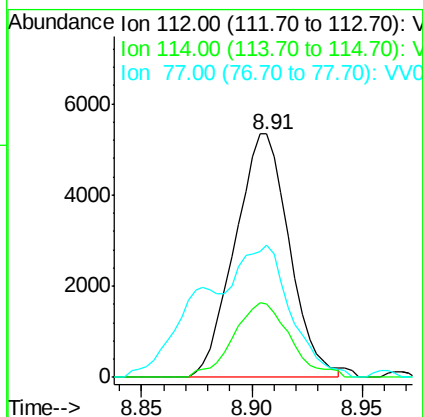
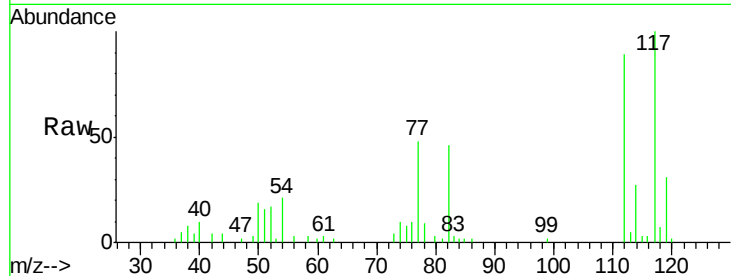




#51
Chlorobenzene
Concen: 1.285 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VV014951.D
Acq: 16 Mar 2020 17:19

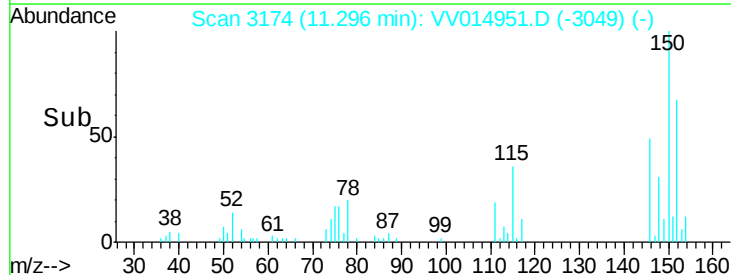
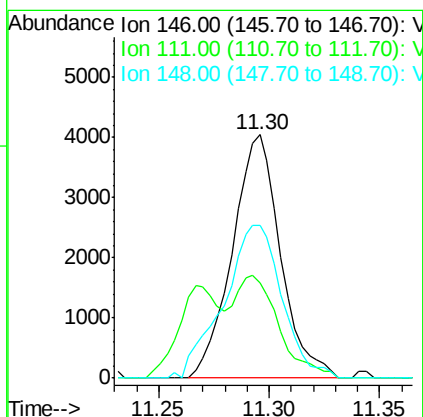
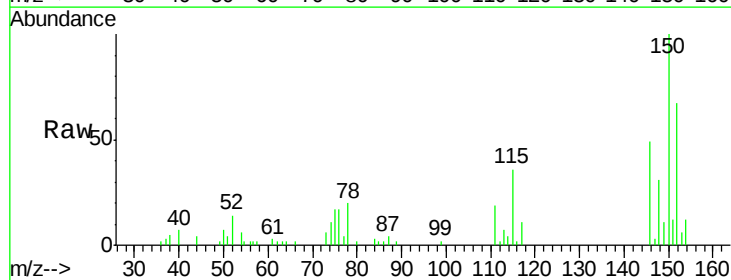
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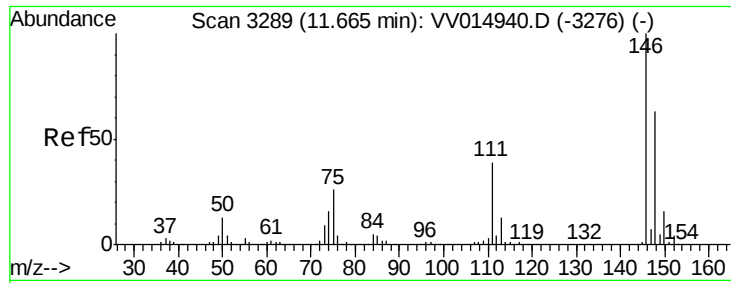
Tot Ion:112 Resp: 9142
Ion Ratio Lower Upper
112 100
114 30.3 22.8 42.4
77 54.1 44.5 66.7



#63
1,4-Dichlorobenzene
Concen: 1.141 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV014951.D
Acq: 16 Mar 2020 17:19

Tgt Ion:146 Resp: 6147
Ion Ratio Lower Upper
146 100
111 39.0 26.0 48.2
148 62.6 46.1 85.5





#65

1,2-Dichlorobenzene

Concen: 0.749 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV014951.D

Acq: 16 Mar 2020 17:19

Instrument :

MSVOA_V

ClientSampleId :

C0DH3

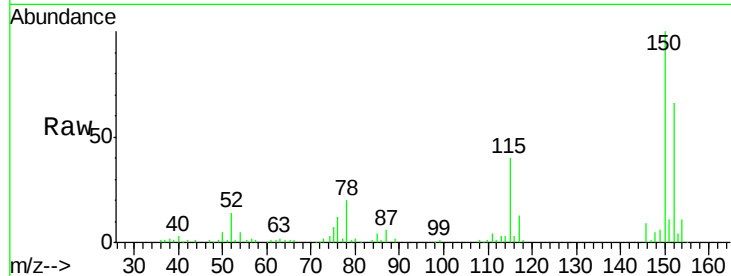
Tot Ion:146 Resp: 4001

Ion Ratio Lower Upper

146 100

111 47.6 31.6 47.4#

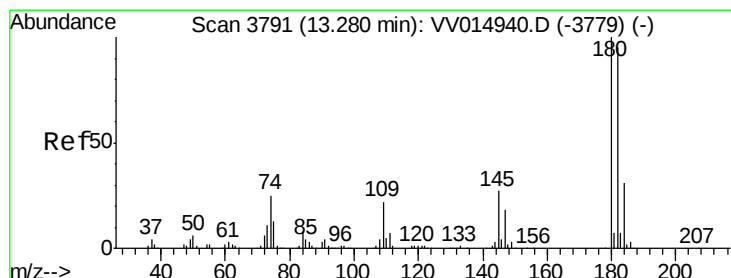
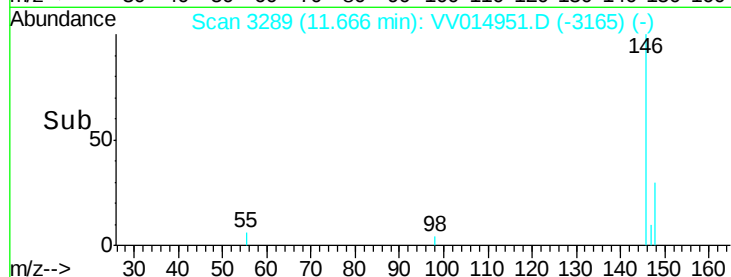
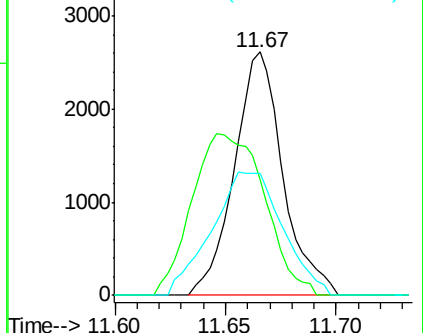
148 50.1 52.2 78.4#



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



#68

1,2,4-trichlorobenzene

Concen: 1.264 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.01 min

Lab File: VV014951.D

Acq: 16 Mar 2020 17:19

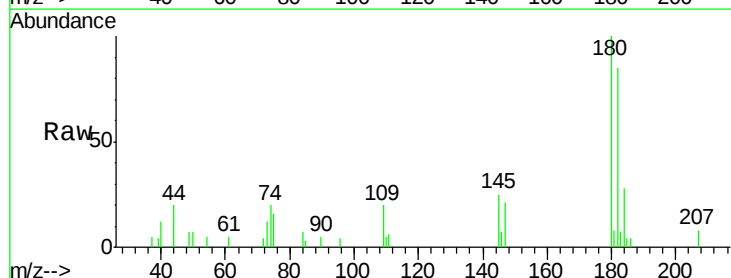
Tgt Ion:180 Resp: 4725

Ion Ratio Lower Upper

180 100

182 99.4 76.3 114.5

145 25.2 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

