

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031819\
 Data File : VV009770.D
 Acq On : 18 Mar 2019 19:49
 Operator : SY/MD
 Sample : K1967-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C09E9

Quant Time: Mar 19 05:43:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 18 12:32:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	135330	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	127964	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	54990	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40314	44.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.36%
7) Chloroethane-d5	1.56	69	33898	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.72%
11) 1,1-Dichloroethene-d2	2.12	63	70759	36.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.84%
21) 2-Butanone-d5	3.93	46	55479	102.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.08%
24) Chloroform-d	4.40	84	79535	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
26) 1,2-Dichloroethane-d4	5.08	65	50553	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.38%
32) Benzene-d6	5.10	84	169800	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.56%
36) 1,2-Dichloropropane-d6	6.12	67	51285	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.76%
41) Toluene-d8	7.36	98	161403	50.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.32%
43) trans-1,3-Dichloropropene-	7.66	79	22480	46.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.38%
47) 2-Hexanone-d5	8.13	63	41379	99.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.87%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	74410	48.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.36%
64) 1,2-Dichlorobenzene-d4	11.68	152	58755	52.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

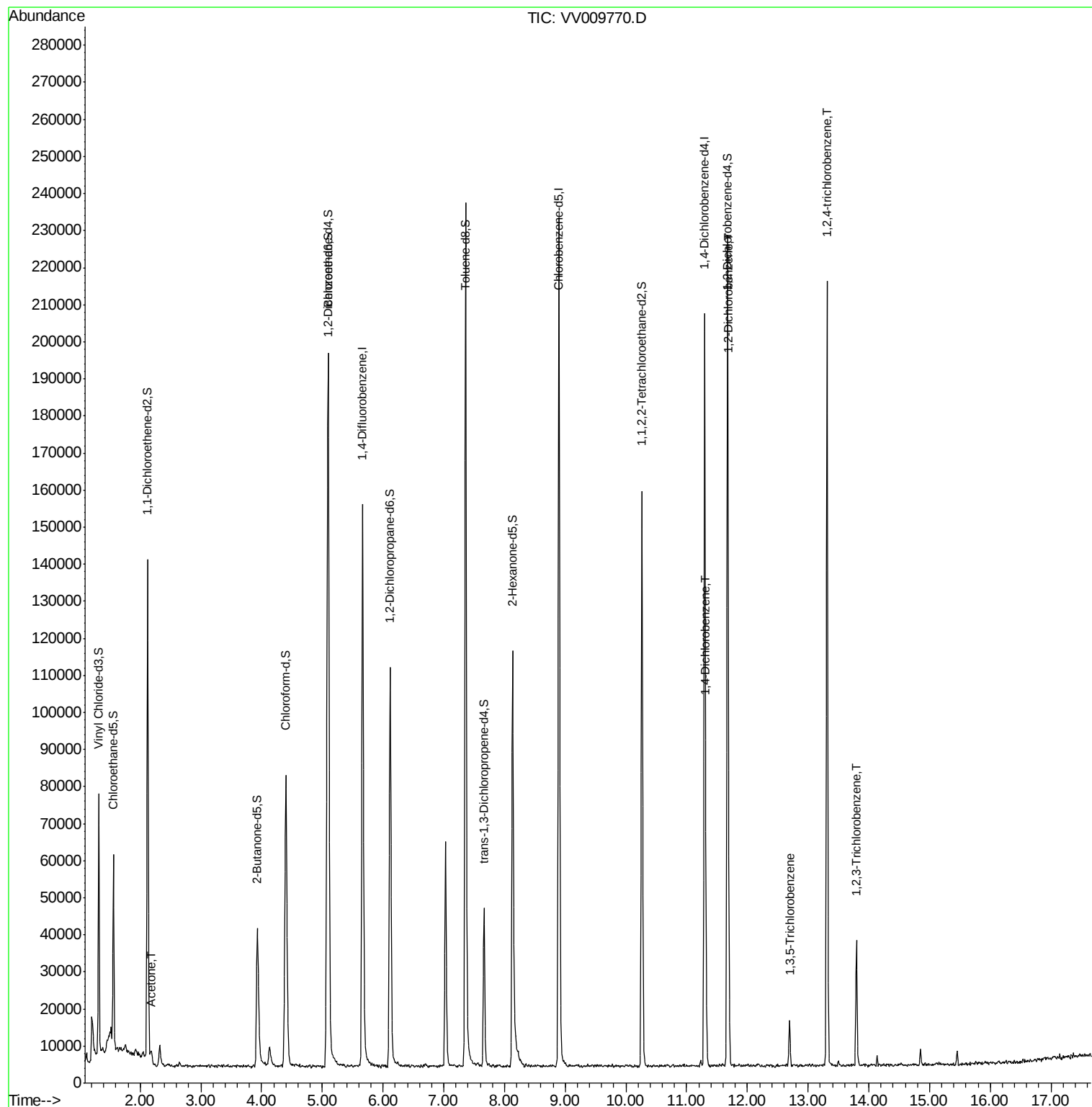
					Ovalue
13) Acetone	2.19	43	2022	3.928 ug/L	84
63) 1,4-Dichlorobenzene	11.32	146	3027	1.663 ug/L	91
65) 1,2-Dichlorobenzene	11.69	146	7070	3.841 ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	3874	3.377 ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	61189	76.092 ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	10073	12.495 ug/L	93

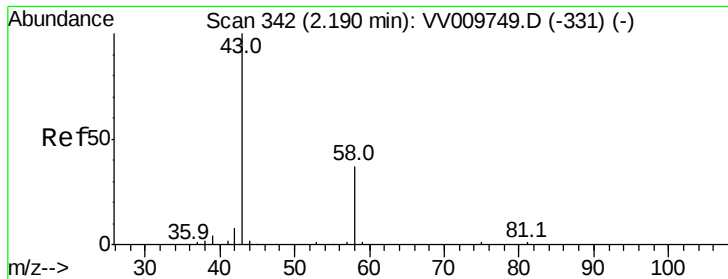
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 3.928 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV009770.D

Acq: 18 Mar 2019 19:49

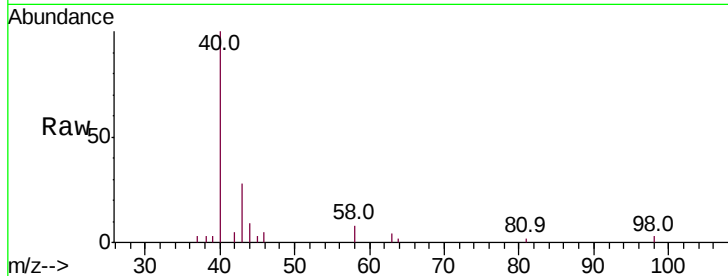
Instrument :
MSVOA_V
ClientSampled :
C09E9

Tot Ion: 43 Resp: 2022

Ion Ratio Lower Upper

43 100

58 24.9 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VV009770.D (-249) (-)

Ion 58.00 (57.70 to 58.70): VV009770.D (-249) (-)

2.19

1500

1000

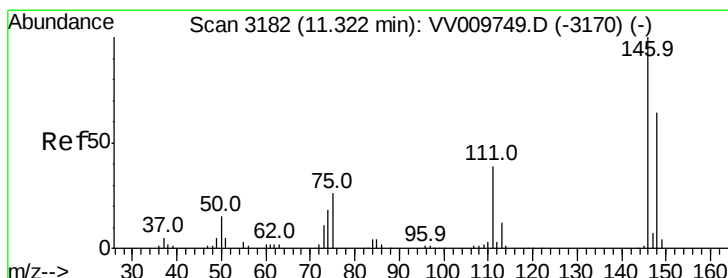
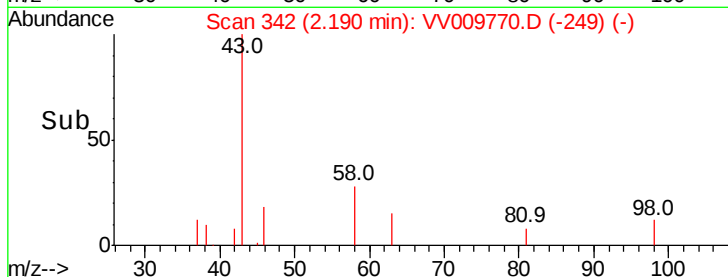
500

0

Time-->

2.15

2.20



#63

1,4-Dichlorobenzene

Concen: 1.663 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV009770.D

Acq: 18 Mar 2019 19:49

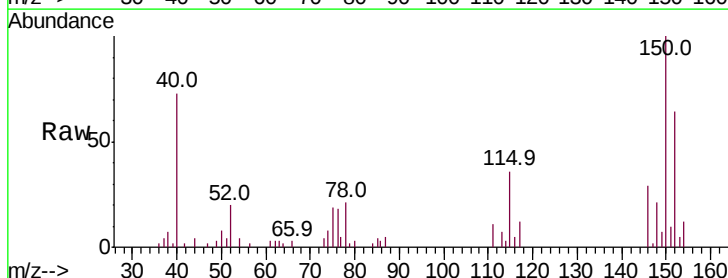
Tgt Ion: 146 Resp: 3027

Ion Ratio Lower Upper

146 100

111 37.6 26.7 49.5

148 74.3 44.3 82.3



Abundance Ion 146.00 (145.70 to 146.70): VV009770.D (-3058) (-)

Ion 111.00 (110.70 to 111.70): VV009770.D (-3058) (-)

Ion 148.00 (147.70 to 148.70): VV009770.D (-3058) (-)

2500

2000

1500

1000

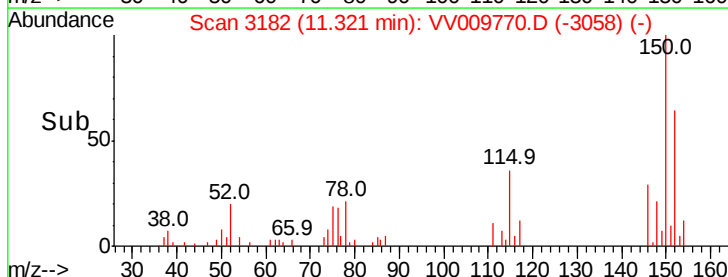
500

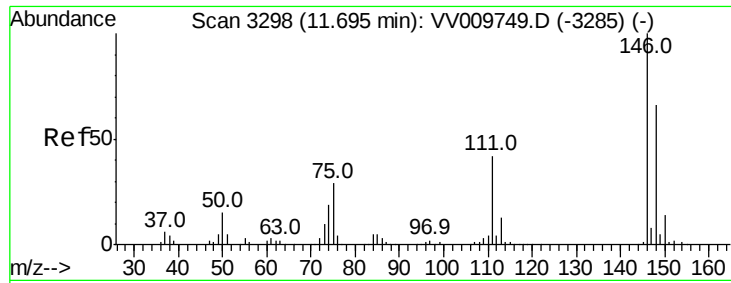
0

Time-->

11.30

11.35





#65

1,2-Dichlorobenzene

Concen: 3.841 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009770.D

Acq: 18 Mar 2019 19:49

Instrument :

MSVOA_V

ClientSampled :

C09E9

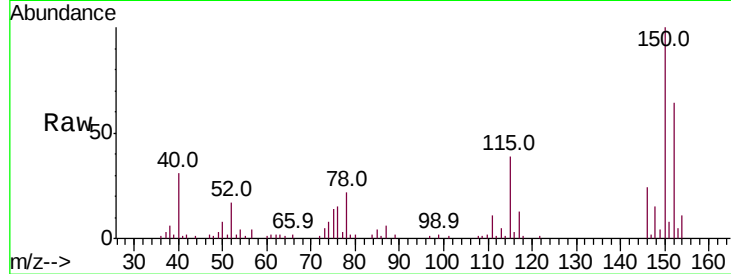
Tot Ion:146 Resp: 7070

Ion Ratio Lower Upper

146 100

111 45.9 32.2 48.4

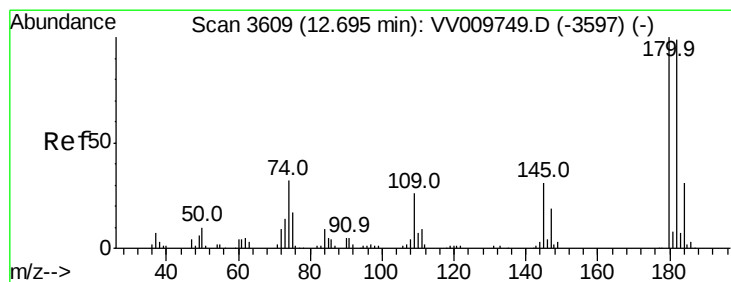
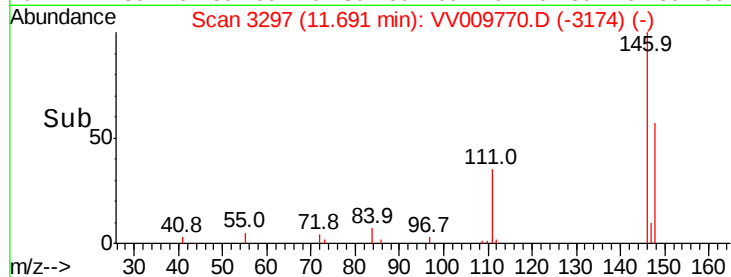
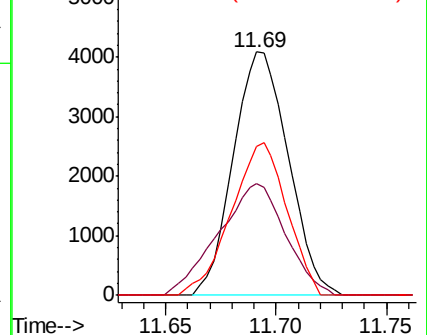
148 61.2 49.6 74.4



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



#67

1,3,5-Trichlorobenzene

Concen: 3.377 ug/L

RT: 12.70 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VV009770.D

Acq: 18 Mar 2019 19:49

Tgt Ion:180 Resp: 3874

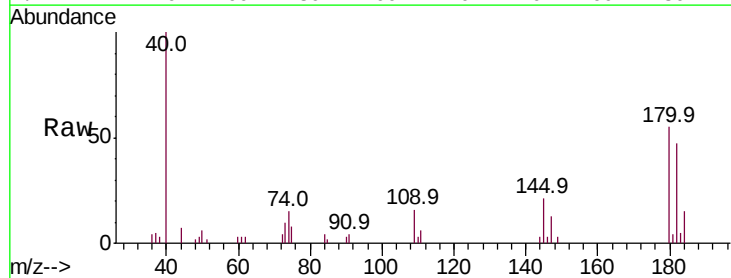
Ion Ratio Lower Upper

180 100

182 88.3 73.9 110.9

184 29.2 23.4 35.2

145 33.3 24.6 37.0

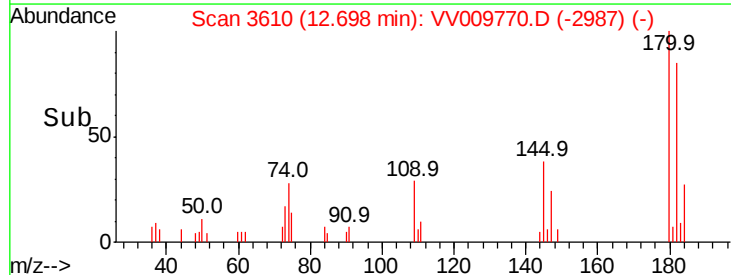
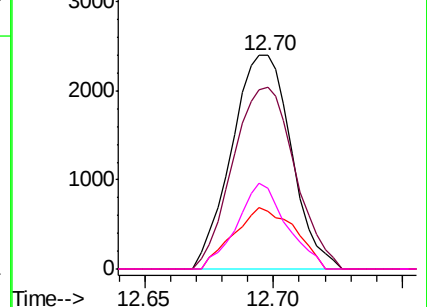


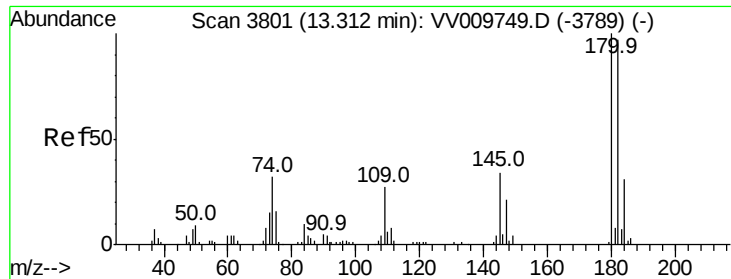
Abundance Ion 180.00 (179.70 to 180.70): V

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

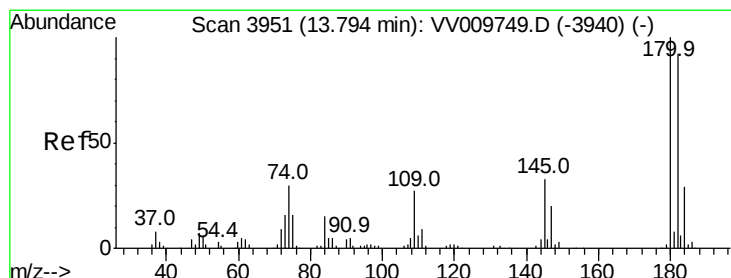
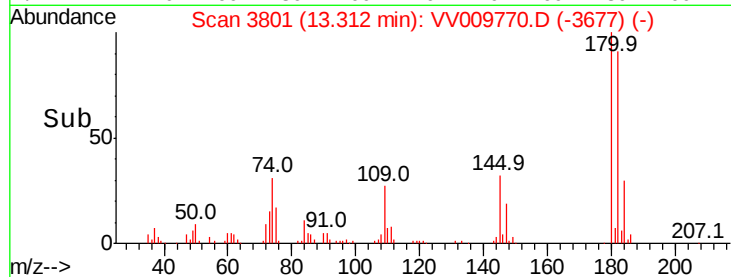
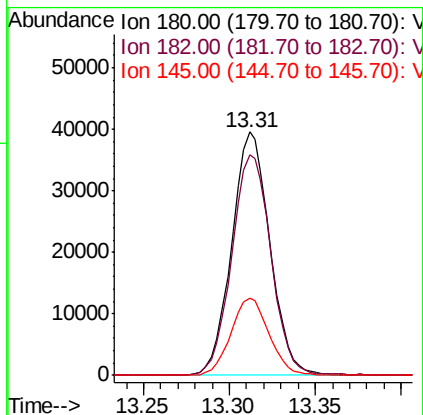
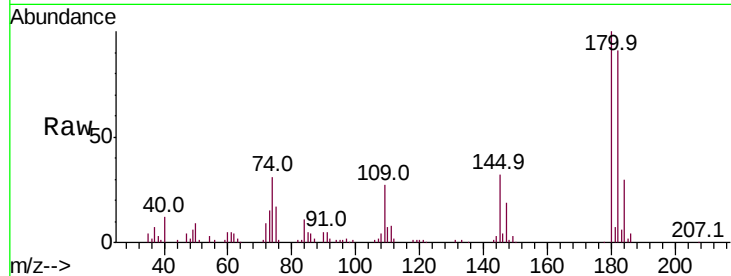




#68
 1,2,4-trichlorobenzene
 Concen: 76.092 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009770.D
 Acq: 18 Mar 2019 19:49

Instrument :
 MSVOA_V
 ClientSampleId :
 C09E9

Tot Ion:180 Resp: 61189
 Ion Ratio Lower Upper
 180 100
 182 92.8 75.7 113.5
 145 31.6 25.3 37.9



#70
 1,2,3-Trichlorobenzene
 Concen: 12.495 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. -0.00 min
 Lab File: VV009770.D
 Acq: 18 Mar 2019 19:49

Tgt Ion:180 Resp: 10073
 Ion Ratio Lower Upper
 180 100
 182 100.1 73.3 109.9
 145 32.2 26.4 39.6

