

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112919\
 Data File : VV013856.D
 Acq On : 29 Nov 2019 18:06
 Operator : SY/MD
 Sample : K6028-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AA0

Quant Time: Nov 30 00:10:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 29 22:33:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	681397	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	638072	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	307647	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	194618	48.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.56%
7) Chloroethane-d5	1.58	69	182425	56.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.32%
11) 1,1-Dichloroethene-d2	2.13	63	279283	40.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.04%
21) 2-Butanone-d5	3.92	46	317281	107.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.54%
24) Chloroform-d	4.40	84	415882	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.02%
26) 1,2-Dichloroethane-d4	5.08	65	268789	47.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.10%
32) Benzene-d6	5.10	84	847707	49.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.62%
36) 1,2-Dichloropropane-d6	6.11	67	261164	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.62%
41) Toluene-d8	7.36	98	776056	49.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.12%
43) trans-1,3-Dichloropropene-	7.66	79	116810	46.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.10%
47) 2-Hexanone-d5	8.13	63	225505	112.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.60%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	362450	52.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.52%
64) 1,2-Dichlorobenzene-d4	11.67	152	328480	53.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.12%

Target Compounds

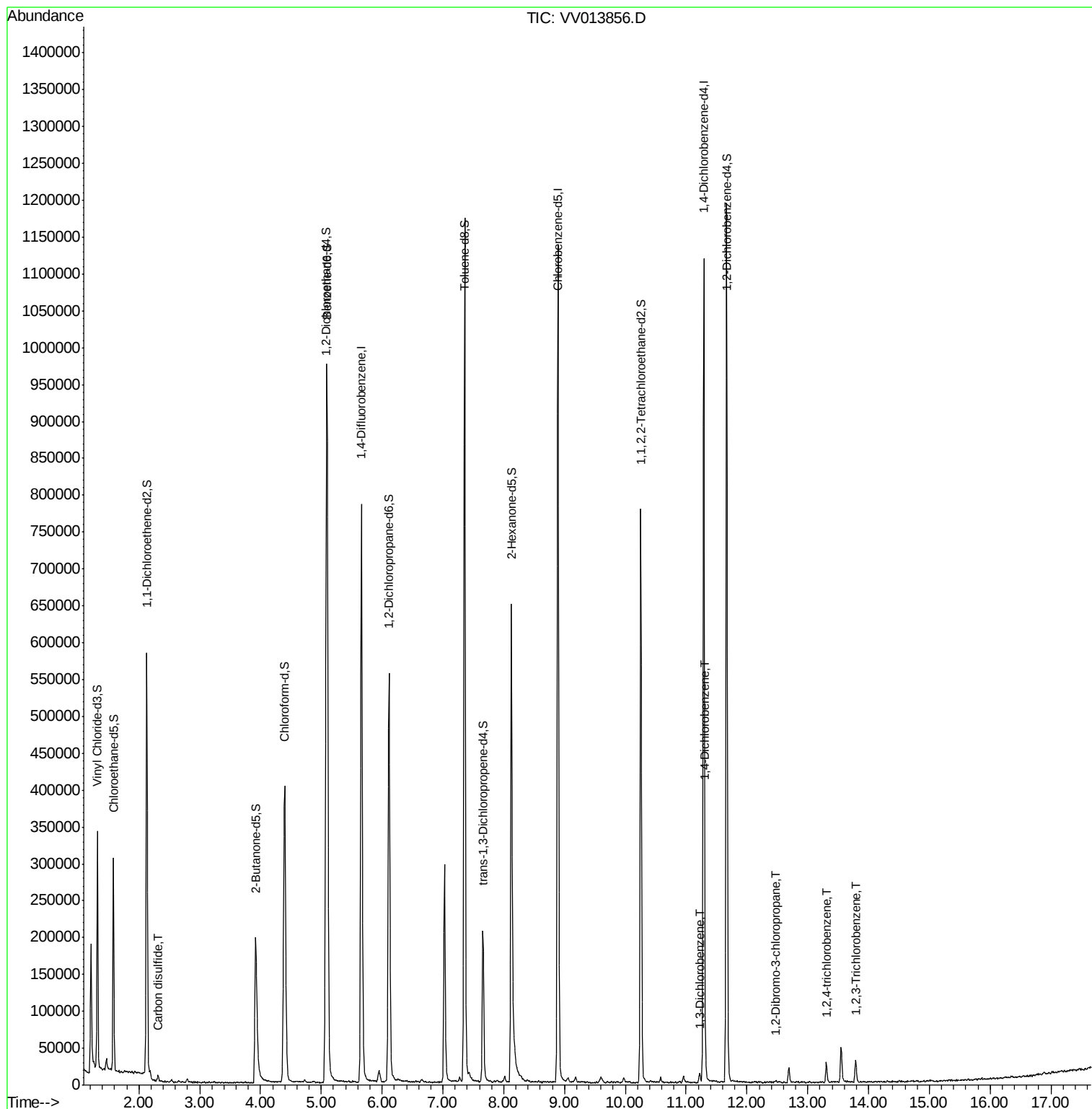
					Ovalue
14) Carbon disulfide	2.32	76	8040	0.640 ug/L #	94
62) 1,3-Dichlorobenzene	11.22	146	5697	0.611 ug/L	95
63) 1,4-Dichlorobenzene	11.31	146	6828	0.707 ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.47	75	1134	0.880 ug/L #	90
68) 1,2,4-trichlorobenzene	13.31	180	8688	1.361 ug/L #	95
70) 1,2,3-Trichlorobenzene	13.79	180	10403	1.535 ug/L	99

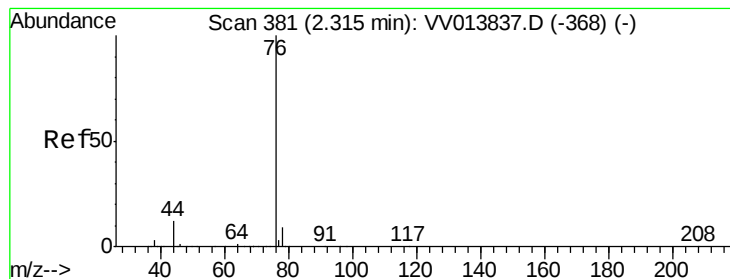
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Nov 29 22:33:56 2019
Response via : Initial Calibration





#14

Carbon disulfide

Concen: 0.640 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV013856.D

Acq: 29 Nov 2019 18:06

Instrument :

MSVOA_V

ClientSampleId :

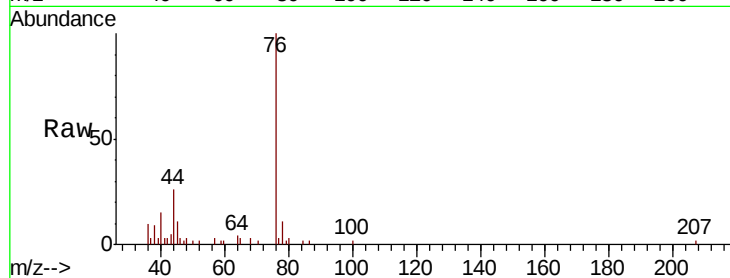
H0AA0

Tot Ion: 76 Resp: 8040

Ion Ratio Lower Upper

76 100

78 11.2 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VV013837.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV013837.D (-368) (-)

2.32

6000

5000

4000

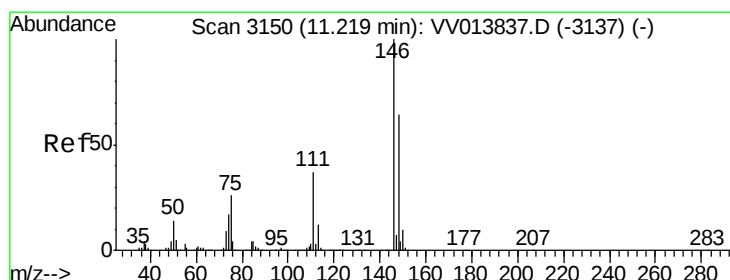
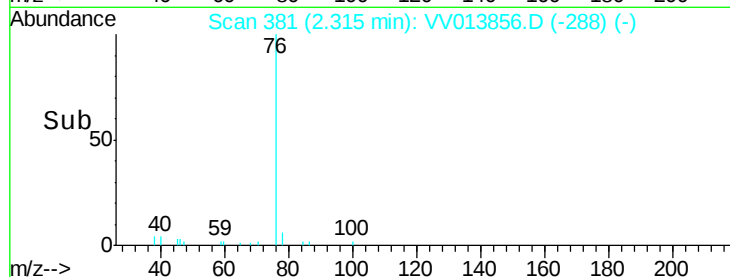
3000

2000

1000

0

Time--> 2.25 2.30 2.35



#62

1,3-Dichlorobenzene

Concen: 0.611 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.01 min

Lab File: VV013856.D

Acq: 29 Nov 2019 18:06

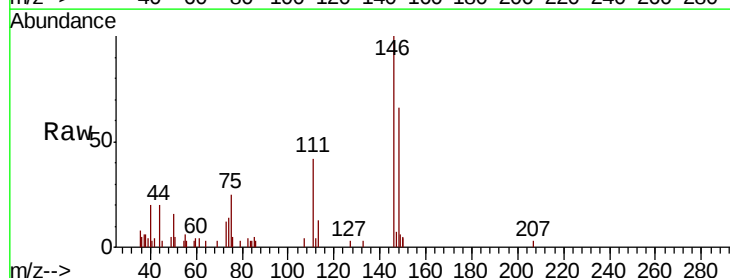
Tgt Ion: 146 Resp: 5697

Ion Ratio Lower Upper

146 100

111 41.7 26.4 49.0

148 66.3 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): VV013837.D (-3137) (-)

Ion 111.00 (110.70 to 111.70): VV013837.D (-3137) (-)

Ion 148.00 (147.70 to 148.70): VV013837.D (-3137) (-)

11.22

4000

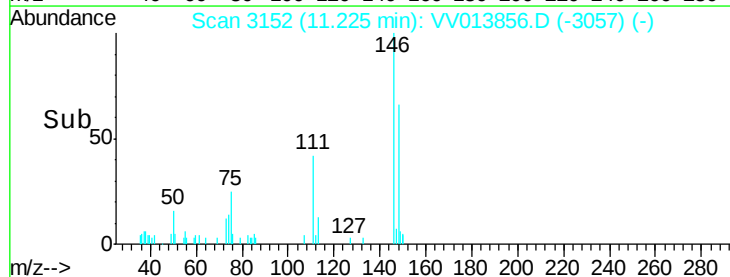
3000

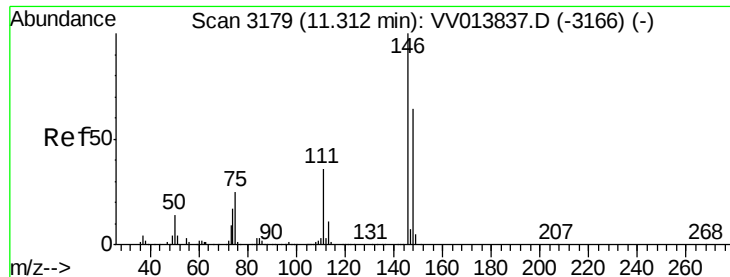
2000

1000

0

Time--> 11.20 11.25





#63

1,4-Dichlorobenzene

Concen: 0.707 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013856.D

Acq: 29 Nov 2019 18:06

Instrument :

MSVOA_V

ClientSampled :

H0AA0

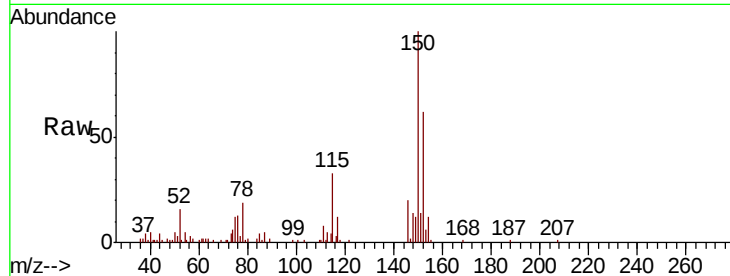
Tot Ion:146 Resp: 6828

Ion Ratio Lower Upper

146 100

111 38.7 25.5 47.3

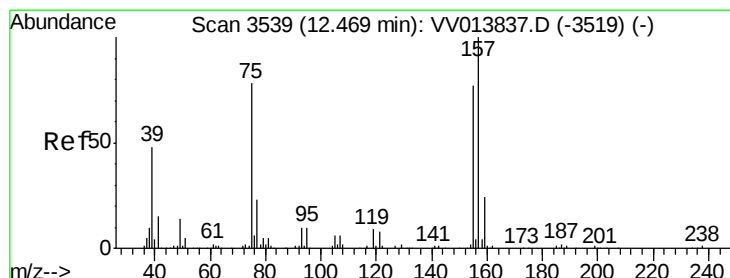
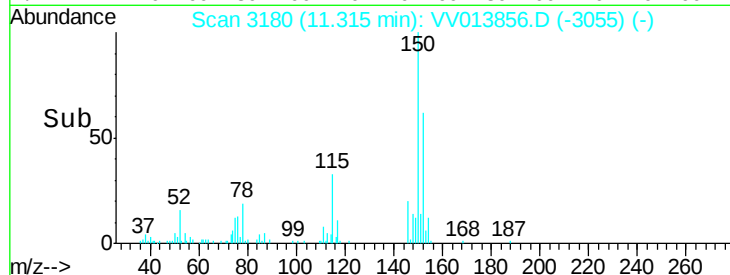
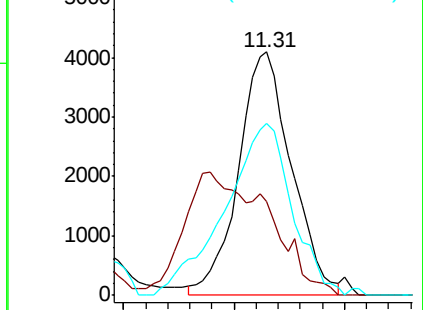
148 70.6 44.9 83.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.880 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV013856.D

Acq: 29 Nov 2019 18:06

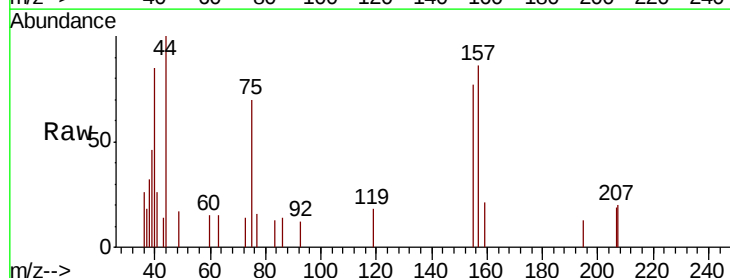
Tgt Ion: 75 Resp: 1134

Ion Ratio Lower Upper

75 100

155 110.0 71.9 107.9#

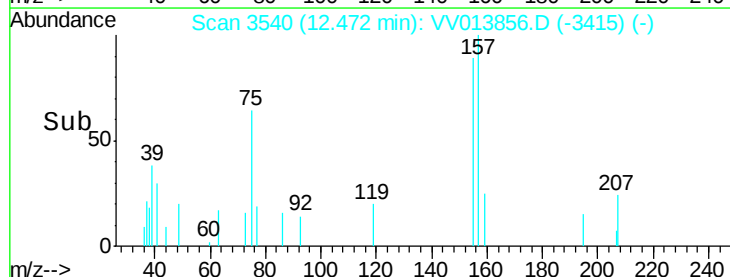
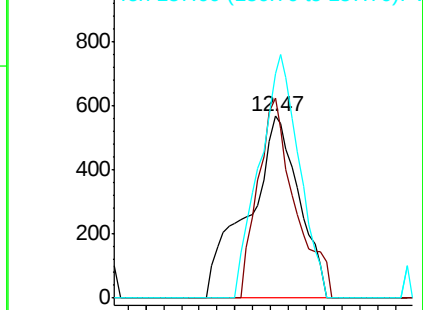
157 123.1 96.6 145.0

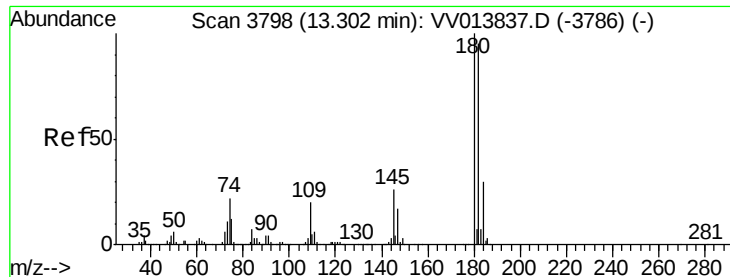


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

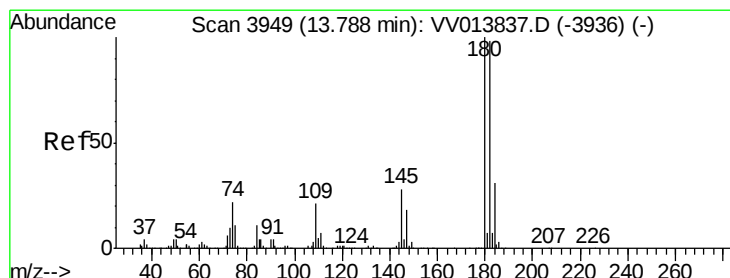
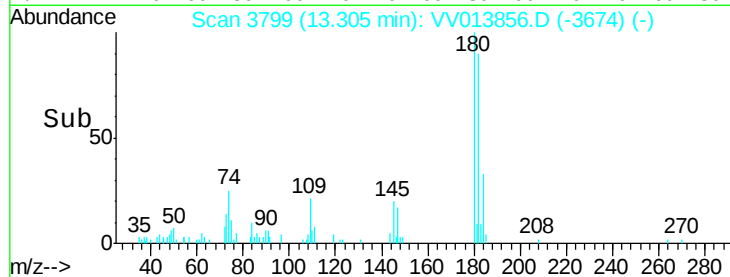
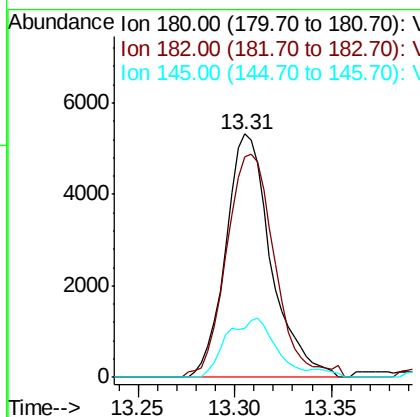
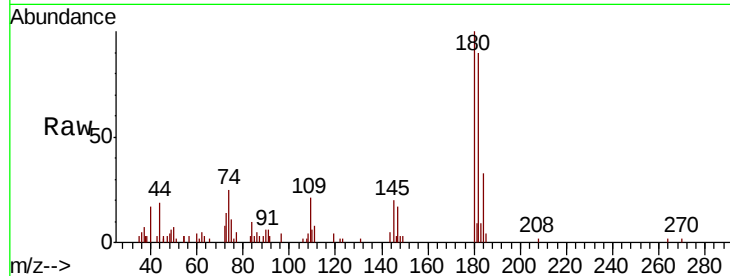




#68
 1,2,4-trichlorobenzene
 Concen: 1.361 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013856.D
 Acq: 29 Nov 2019 18:06

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AA0

Tot Ion:180 Resp: 8688
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.4 114.6
 145 17.0 22.4 33.6#



#70
 1,2,3-Trichlorobenzene
 Concen: 1.535 ug/L
 RT: 13.79 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VV013856.D
 Acq: 29 Nov 2019 18:06

Tgt Ion:180 Resp: 10403
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.4 116.0
 145 29.6 24.0 36.0

