

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040519\
 Data File : VV010139.D
 Acq On : 05 Apr 2019 18:48
 Operator : SY/MD
 Sample : K2168-16
 Misc : 4.77G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF658

Quant Time: Apr 06 03:02:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 23:46:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	156679	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	178510	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	62822	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	16356	7.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	31.20%
7) Chloroethane-d5	1.56	69	28171	10.81	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	43.24%
10) 1,1-Dichloroethene-d2	2.12	63	41071	7.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	31.04%#
20) 2-Butanone-d5	3.93	46	24653	41.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.60%
24) Chloroform-d	4.40	84	118749	30.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	120.32%
26) 1,2-Dichloroethane-d4	5.08	65	90405	40.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	163.76%#
29) Benzene-d6	5.10	84	222346	24.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.08%
33) 1,2-Dichloropropane-d6	6.12	67	86238	31.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	126.28%#
37) Toluene-d8	7.36	98	203834	22.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.40%
38) trans-1,3-Dichloropropene-	7.66	79	23460	20.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.36%
39) 2-Hexanone-d5	8.13	63	18571	33.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.78%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	75082	27.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	66724	27.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.08%

Target Compounds

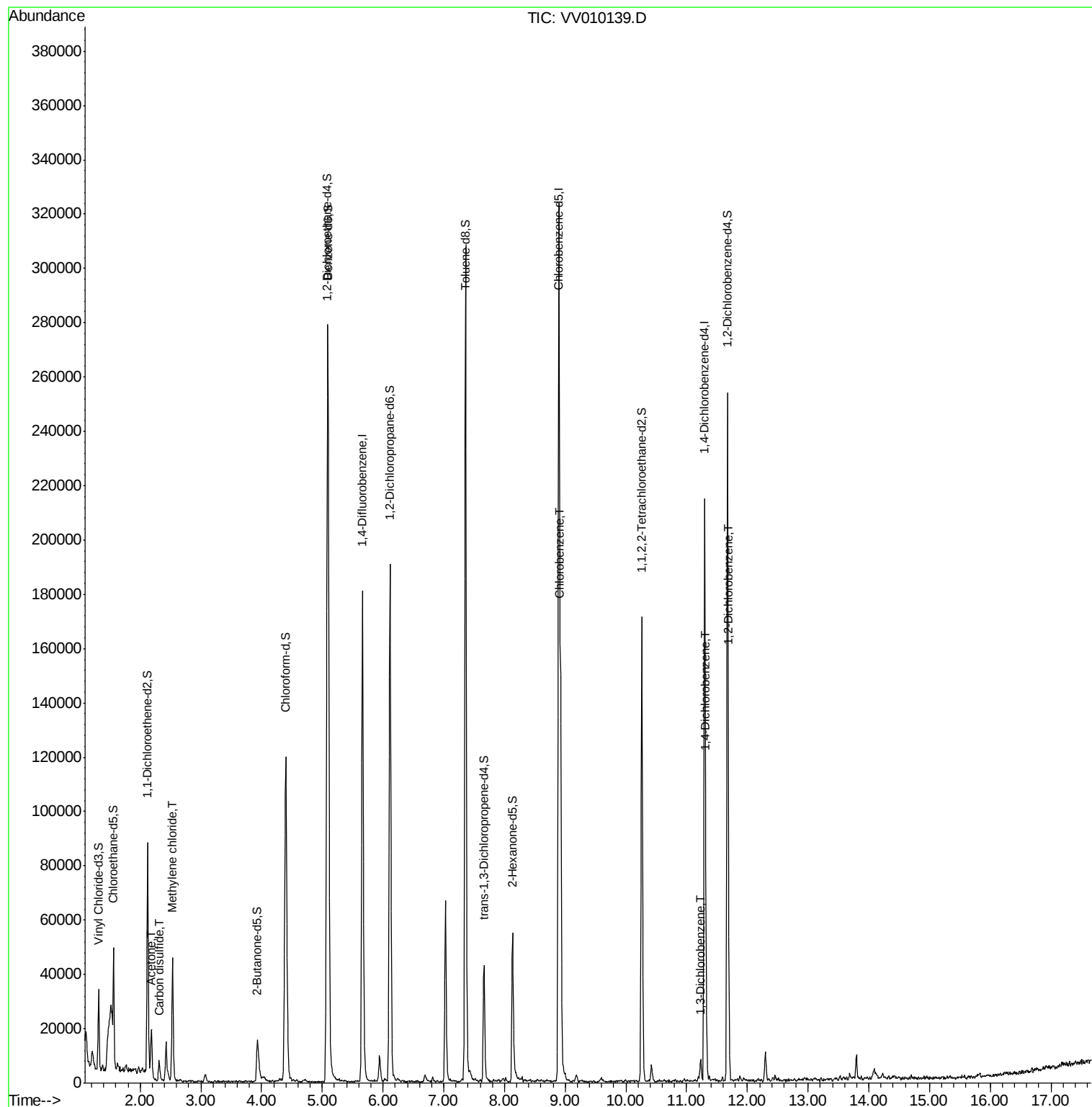
					Ovalue
13) Acetone	2.19	43	16730	28.350	ug/L 96
14) Carbon disulfide	2.31	76	4268	0.960	ug/L 98
16) Methylene chloride	2.53	84	18991	6.899	ug/L 98
52) Chlorobenzene	8.92	112	74433	11.138	ug/L 97
63) 1,3-Dichlorobenzene	11.23	146	3443	0.934	ug/L 88
64) 1,4-Dichlorobenzene	11.32	146	5278	1.374	ug/L 93
65) 1,2-Dichlorobenzene	11.69	146	2276	0.628	ug/L 94

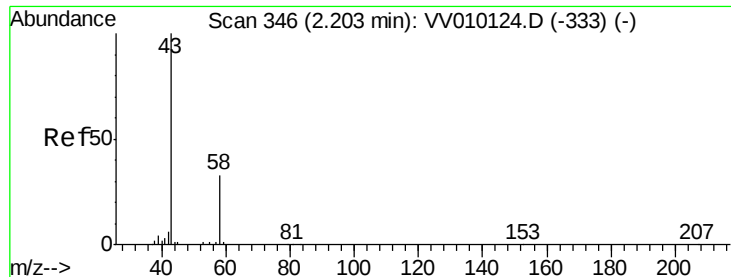
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 28.350 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV010139.D

Acq: 05 Apr 2019 18:48

Instrument :

MSVOA_V

ClientSampled :

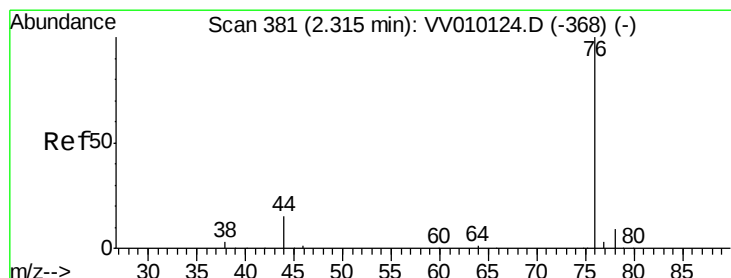
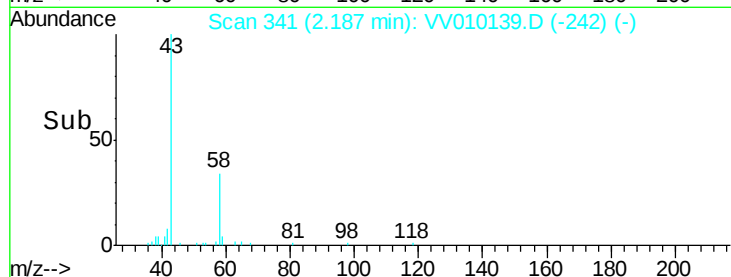
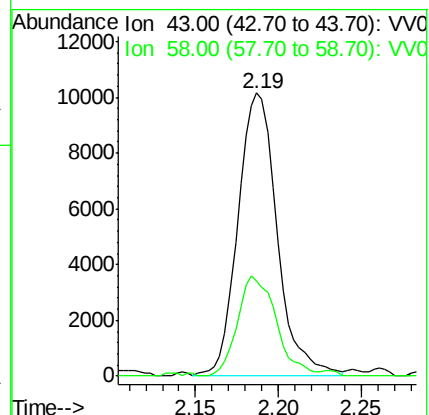
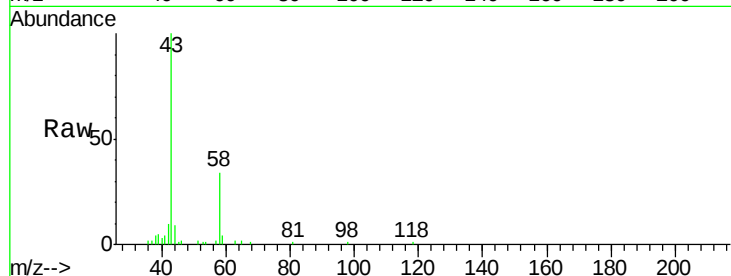
BF658

Tot Ion: 43 Resp: 16730

Ion Ratio Lower Upper

43 100

58 34.7 0.0 64.6



#14

Carbon disulfide

Concen: 0.960 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010139.D

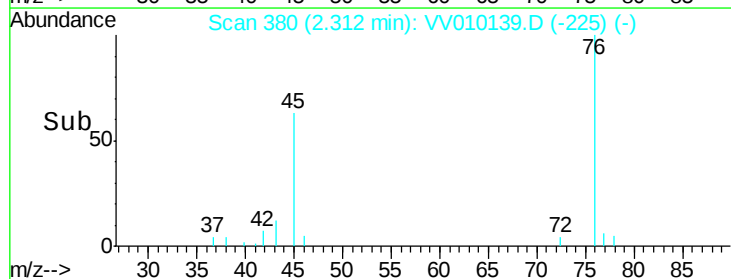
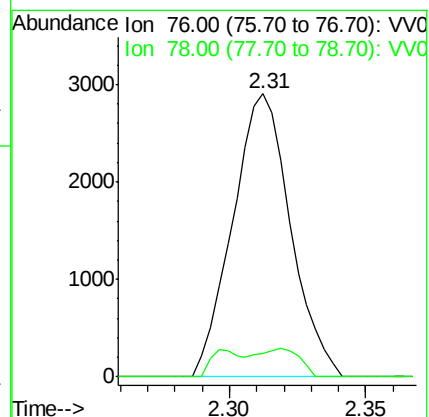
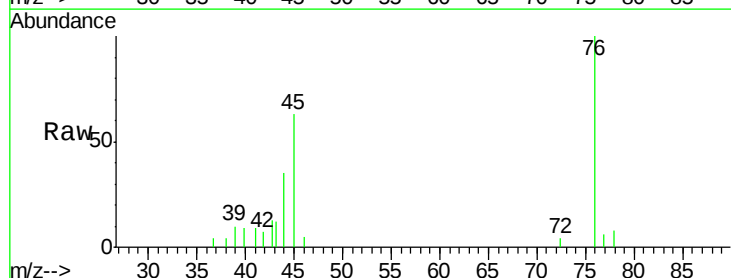
Acq: 05 Apr 2019 18:48

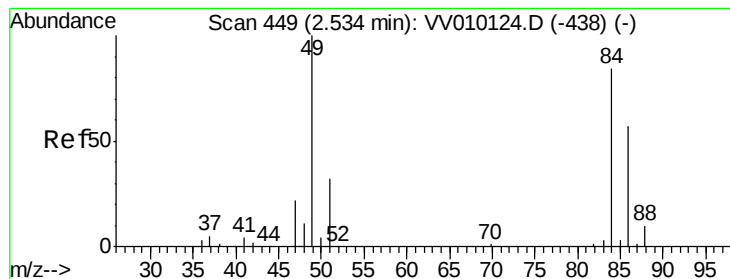
Tgt Ion: 76 Resp: 4268

Ion Ratio Lower Upper

76 100

78 8.2 7.1 10.7





#16

Methvlene chloride

Concen: 6.899 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010139.D

Acq: 05 Apr 2019 18:48

Instrument :

MSVOA_V

ClientSampleId :

BF658

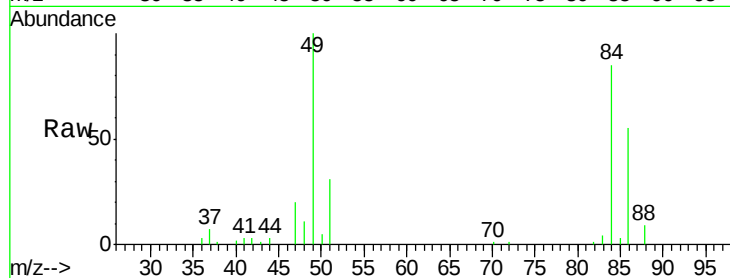
Tot Ion: 84 Resp: 18991

Ion Ratio Lower Upper

84 100

49 117.6 84.3 156.5

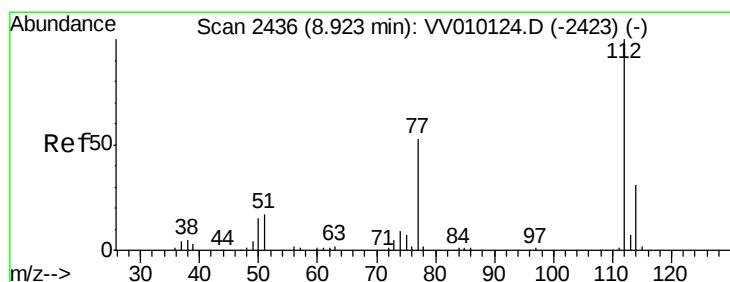
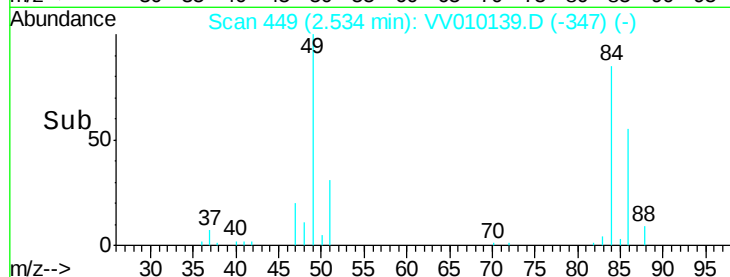
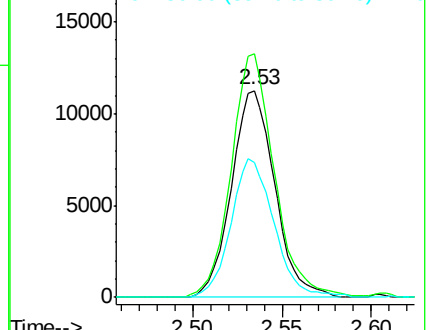
86 65.0 45.4 84.2



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0



#52

Chlorobenzene

Concen: 11.138 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV010139.D

Acq: 05 Apr 2019 18:48

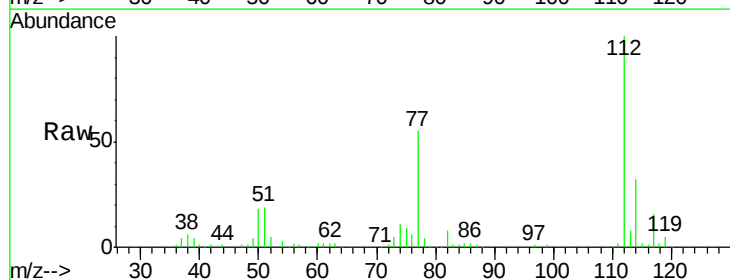
Tgt Ion: 112 Resp: 74433

Ion Ratio Lower Upper

112 100

77 55.4 42.9 64.3

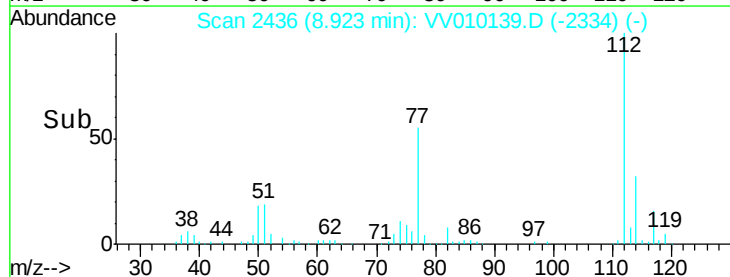
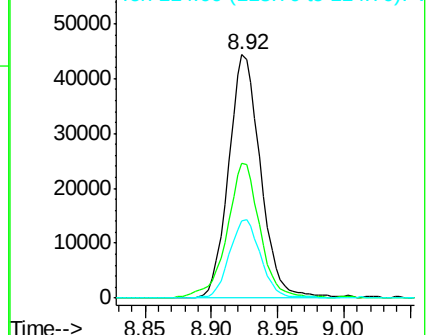
114 31.6 23.4 43.4

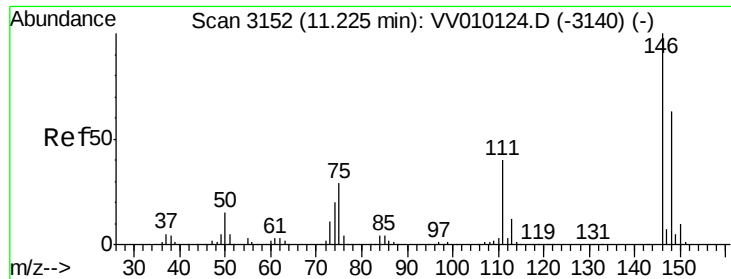


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

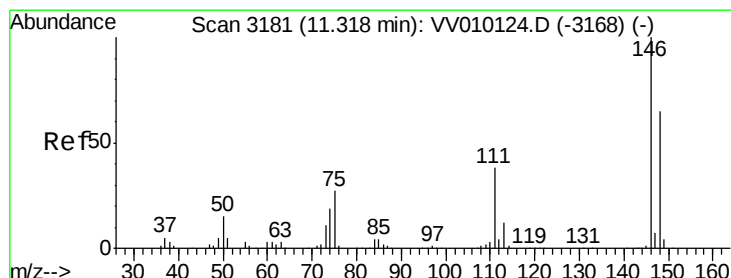
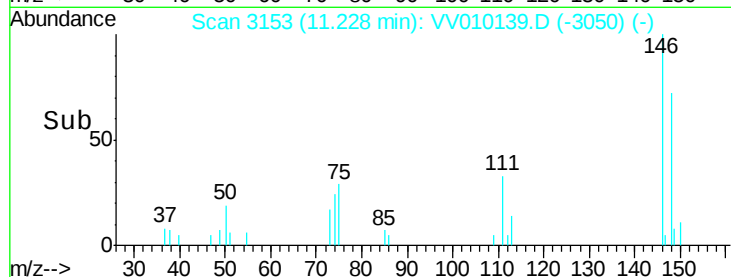
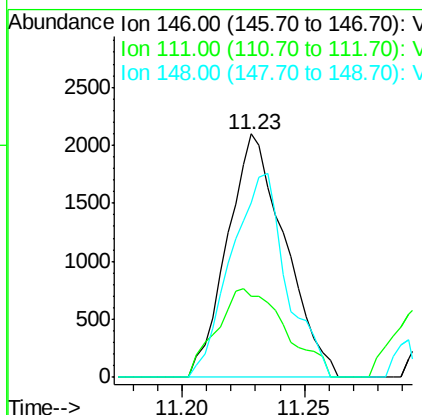
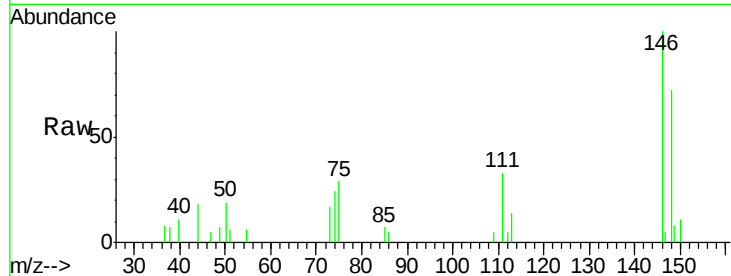




#63
 1,3-Dichlorobenzene
 Concen: 0.934 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV010139.D
 Acq: 05 Apr 2019 18:48

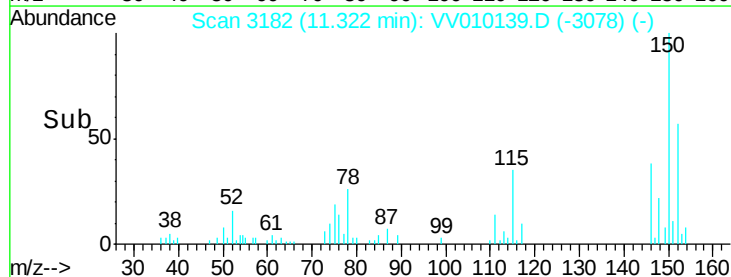
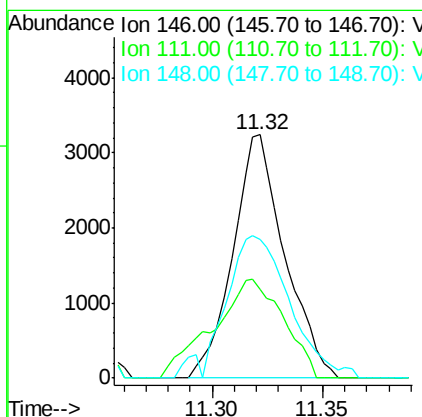
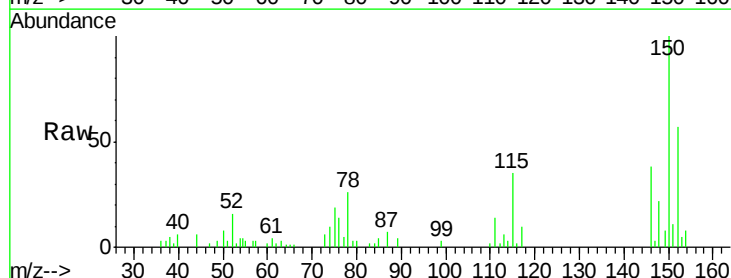
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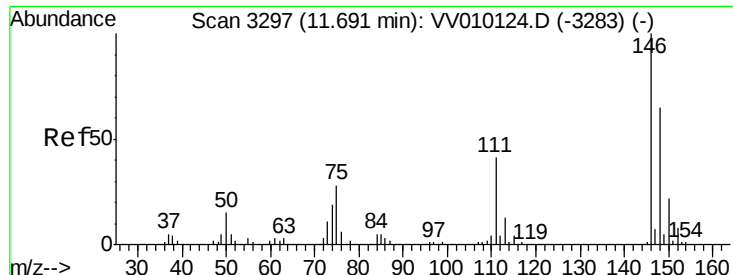
Tot Ion:146 Resp: 3443
 Ion Ratio Lower Upper
 146 100
 111 33.4 26.8 49.8
 148 71.8 42.7 79.3



#64
 1,4-Dichlorobenzene
 Concen: 1.374 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV010139.D
 Acq: 05 Apr 2019 18:48

Tgt Ion:146 Resp: 5278
 Ion Ratio Lower Upper
 146 100
 111 36.6 26.9 50.1
 148 57.2 45.6 84.6





#65

1,2-Dichlorobenzene

Concen: 0.628 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV010139.D

Acq: 05 Apr 2019 18:48

Instrument :

MSVOA_V

ClientSampleId :

BF658

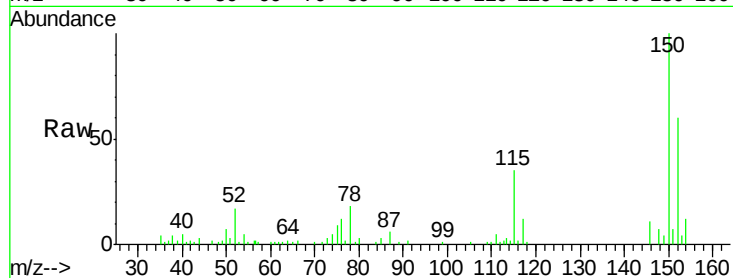
Tot Ion:146 Resp: 2276

Ion Ratio Lower Upper

146 100

111 44.4 33.2 49.8

148 59.4 51.4 77.0



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

