

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
 Data File : VV010137.D
 Acq On : 05 Apr 2019 17:56
 Operator : SY/MD
 Sample : K2168-14
 Misc : 5.51G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF639

Quant Time: Apr 05 23:50:33 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	105261	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	131698	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56184	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9481	6.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	26.92%#
7) Chloroethane-d5	1.57	69	17661	10.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	40.36%
10) 1,1-Dichloroethene-d2	2.13	63	26520	7.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	29.84%#
20) 2-Butanone-d5	4.08	46	207	0.52	ug/L	0.14
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1.04%#
24) Chloroform-d	4.40	84	88245	33.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	133.12%
26) 1,2-Dichloroethane-d4	5.08	65	81500	54.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	219.72%#
29) Benzene-d6	5.10	84	156717	22.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.80%
33) 1,2-Dichloropropane-d6	6.12	67	70477	34.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	139.88%#
37) Toluene-d8	7.36	98	145113	22.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.20%
38) trans-1,3-Dichloropropene-	7.66	79	22738	26.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.56%
39) 2-Hexanone-d5	8.14	63	4545	11.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	22.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	87662	44.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	176.40%#
61) 1,2-Dichlorobenzene-d4	11.67	152	69125	31.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	126.32%#

Target Compounds

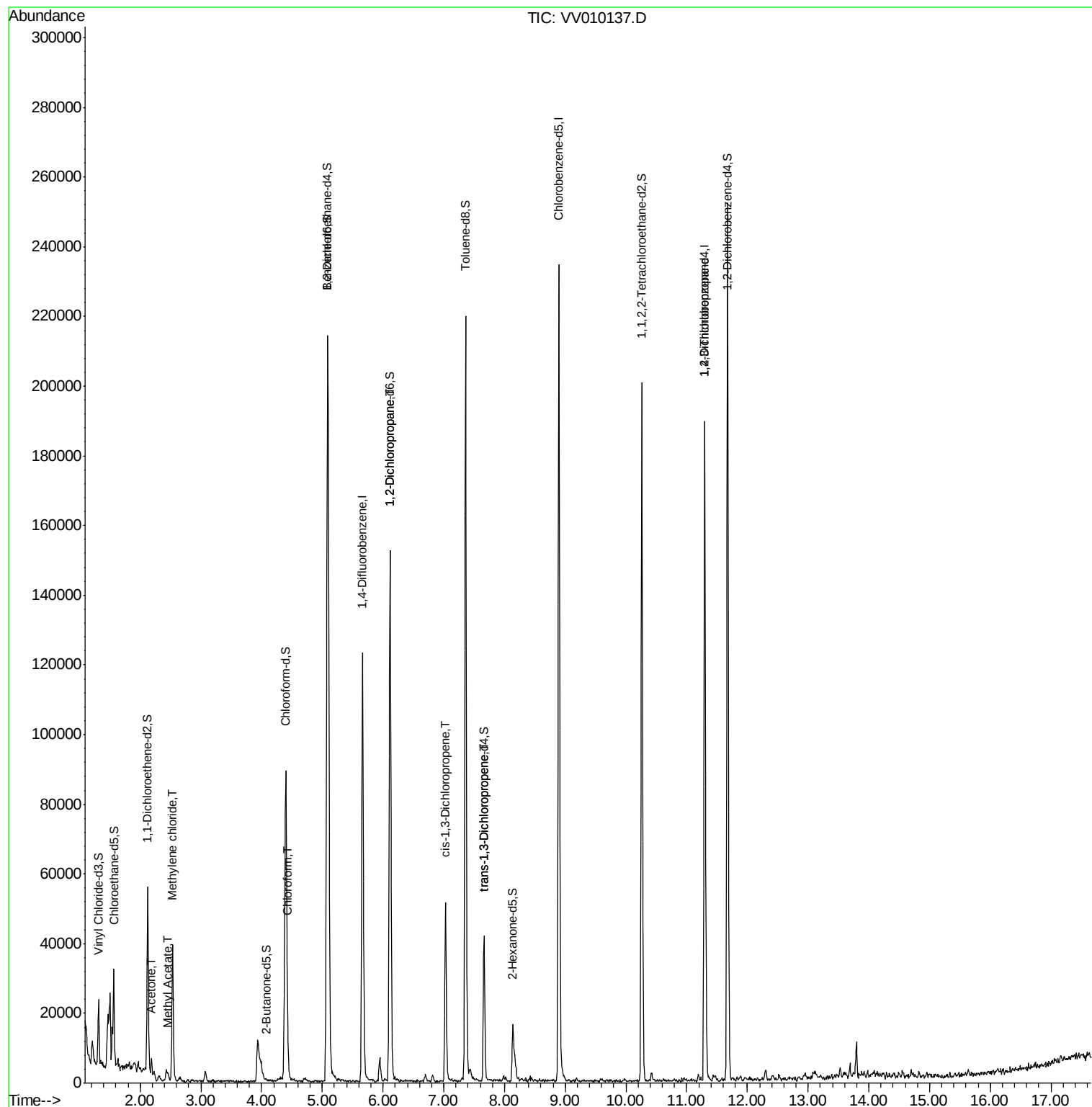
					Qvalue
13) Acetone	2.19	43	4452	11.230 ug/L	95
15) Methyl Acetate	2.45	43	1428	2.251 ug/L #	71
16) Methylene chloride	2.53	84	16433	8.886 ug/L	92
25) Chloroform	4.43	83	1021	0.427 ug/L #	1
40) 1,2-Dichloropropane	6.12	63	8209	5.045 ug/L #	86
42) cis-1,3-Dichloropropene	7.03	75	1707	0.725 ug/L	98
45) trans-1,3-Dichloropropene	7.67	75	922	0.460 ug/L #	35
59) 1,2,3-Trichloropropane	11.30	75	6830	5.140 ug/L	95

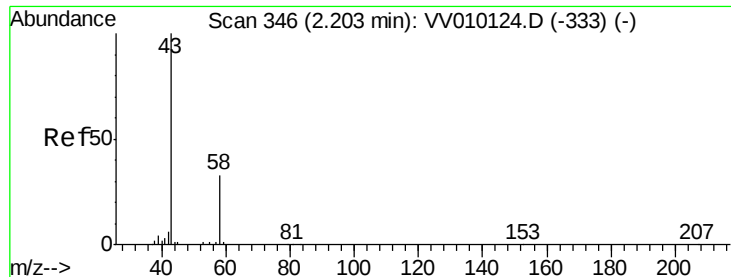
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 11.230 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV010137.D

Acq: 05 Apr 2019 17:56

Instrument :

MSVOA_V

ClientSampled :

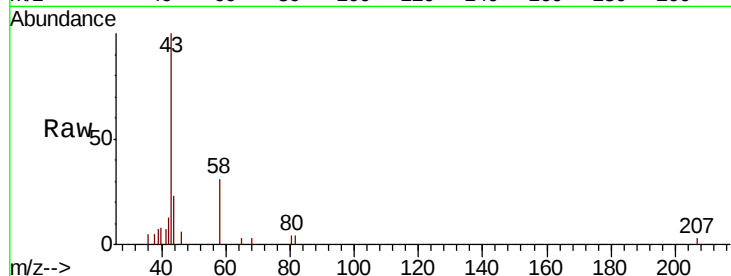
BF639

Tgt Ion: 43 Resp: 4452

Ion Ratio Lower Upper

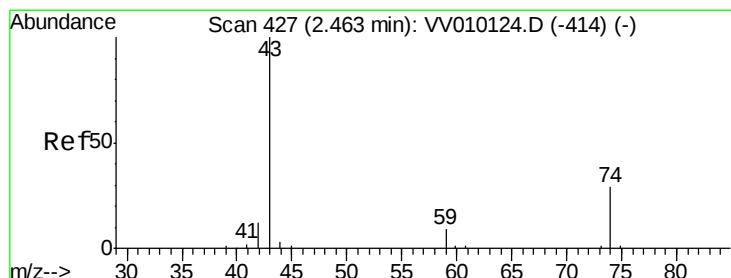
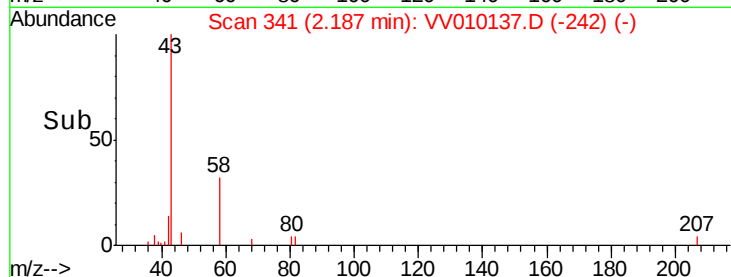
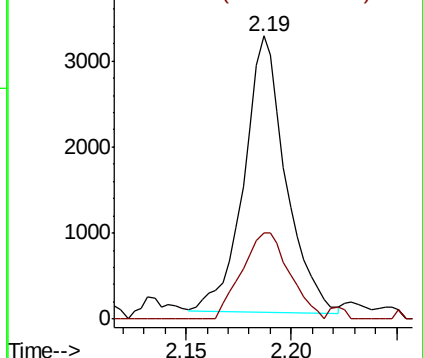
43 100

58 35.3 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#15

Methyl Acetate

Concen: 2.251 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.01 min

Lab File: VV010137.D

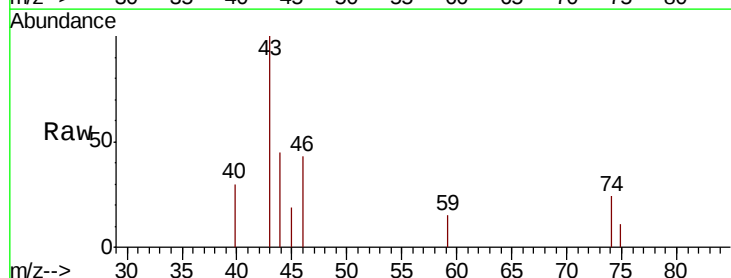
Acq: 05 Apr 2019 17:56

Tgt Ion: 43 Resp: 1428

Ion Ratio Lower Upper

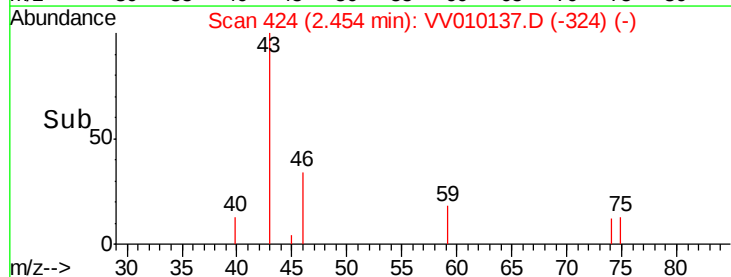
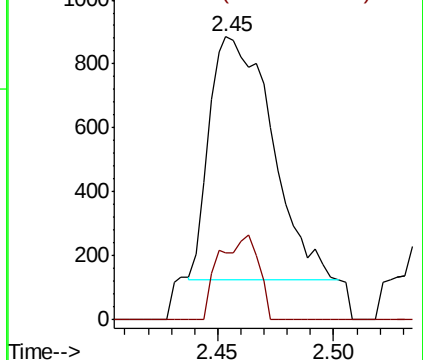
43 100

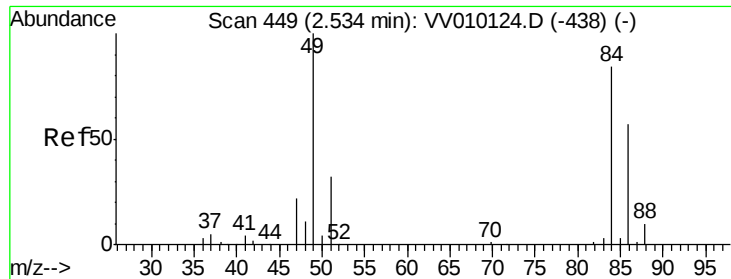
74 10.5 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

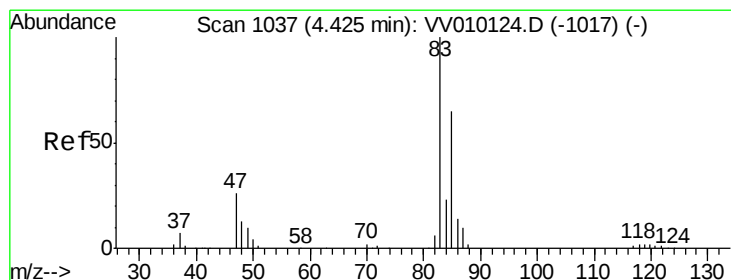
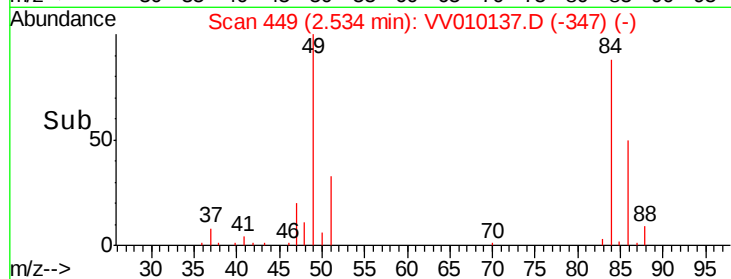
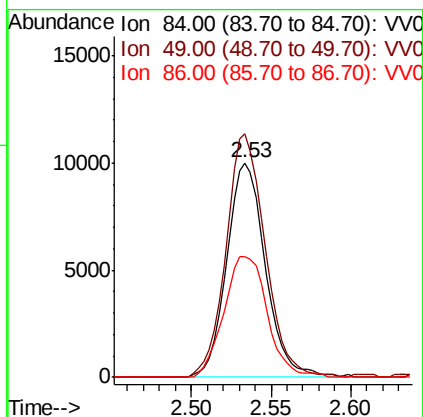
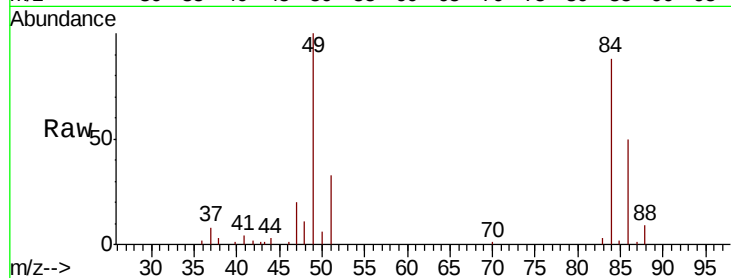




#16
Methylene chloride
Concen: 8.886 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010137.D
Acq: 05 Apr 2019 17:56

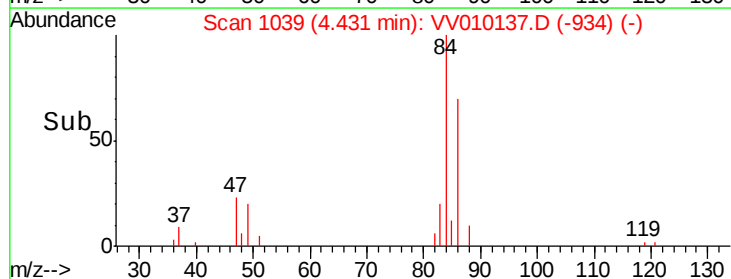
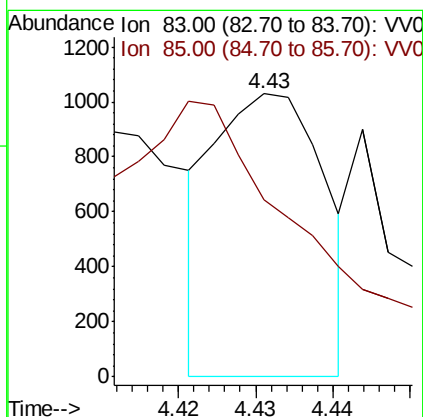
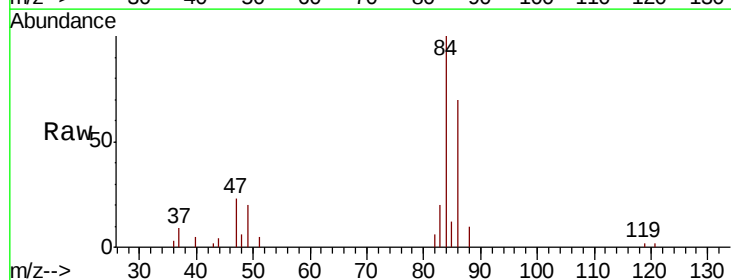
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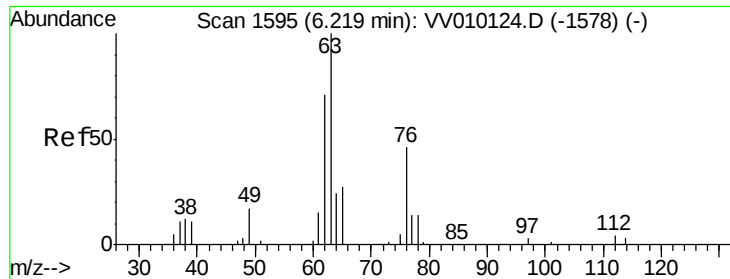
Tgt Ion: 84 Resp: 16433
Ion Ratio Lower Upper
84 100
49 113.5 84.3 156.5
86 56.3 45.4 84.2



#25
Chloroform
Concen: 0.427 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV010137.D
Acq: 05 Apr 2019 17:56

Tgt Ion: 83 Resp: 1021
Ion Ratio Lower Upper
83 100
85 184.6 46.4 86.2#

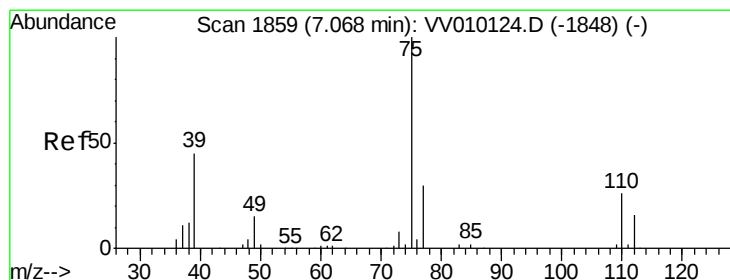
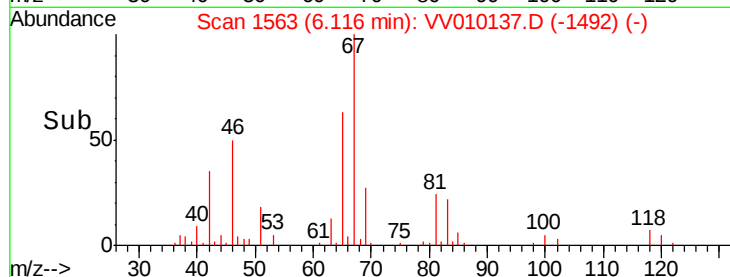
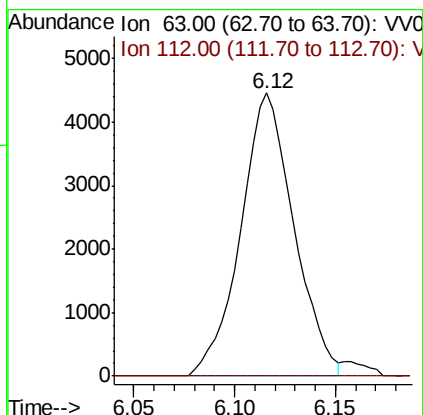
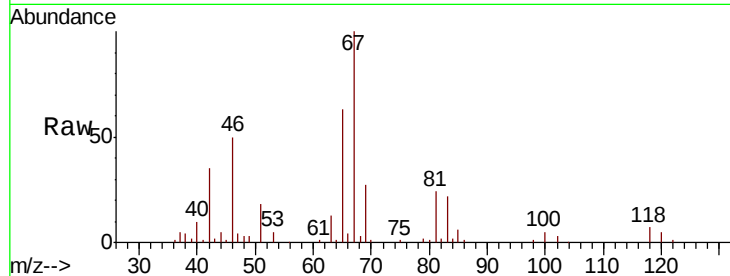




#40
 1,2-Dichloropropane
 Concen: 5.045 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV010137.D
 Acq: 05 Apr 2019 17:56

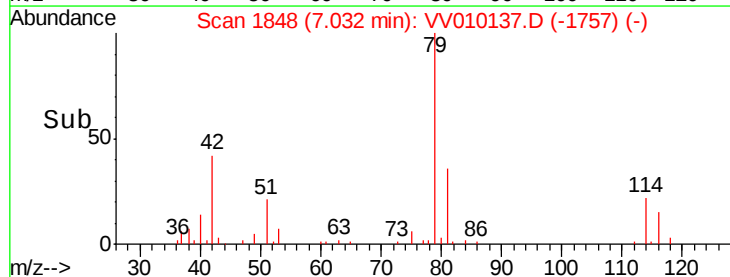
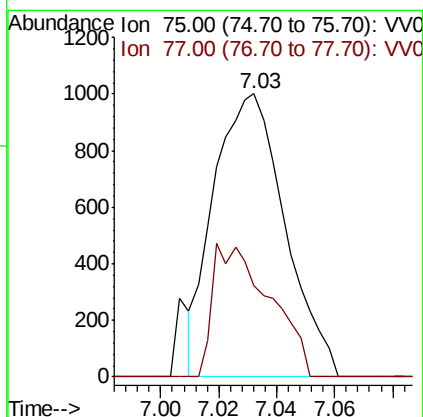
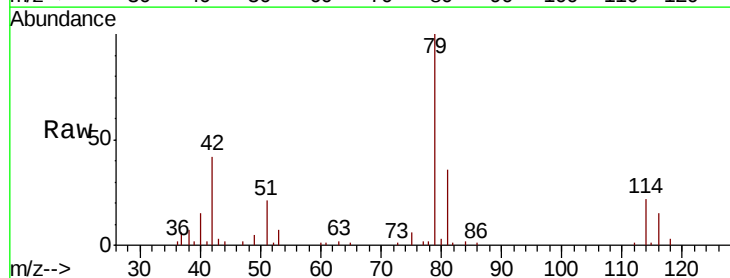
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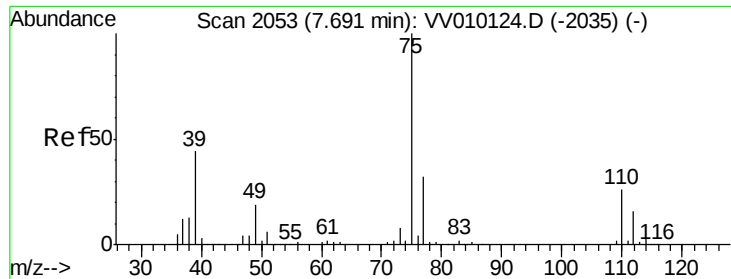
Tgt Ion: 63 Resp: 8209
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.725 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV010137.D
 Acq: 05 Apr 2019 17:56

Tgt Ion: 75 Resp: 1707
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.1 41.1

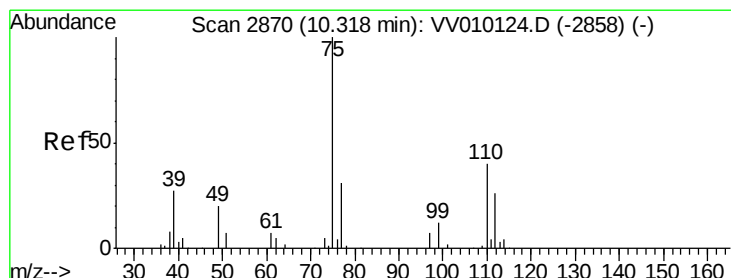
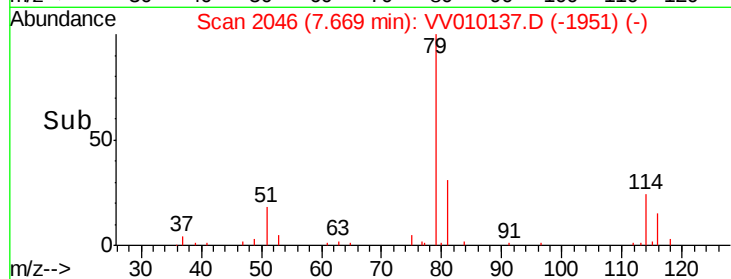
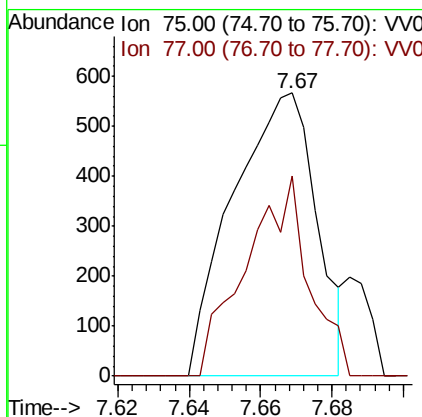
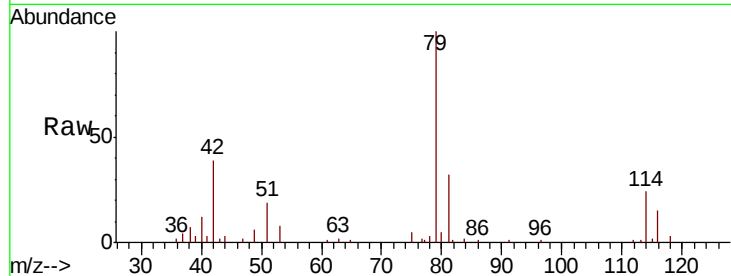




#45
 trans-1,3-Dichloropropene
 Concen: 0.460 ug/L
 RT: 7.67 min Scan# 2046
 Delta R.T. -0.03 min
 Lab File: VV010137.D
 Acq: 05 Apr 2019 17:56

Instrument :
 MSVOA_V
 ClientSampled :
 BF639

Tgt Ion: 75 Resp: 922
 Ion Ratio Lower Upper
 75 100
 77 70.5 23.5 43.7#



#59
 1,2,3-Trichloropropane
 Concen: 5.140 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.98 min
 Lab File: VV010137.D
 Acq: 05 Apr 2019 17:56

Tgt Ion: 75 Resp: 6830
 Ion Ratio Lower Upper
 75 100
 77 34.9 25.8 38.8

