

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
 Data File : VV010126.D
 Acq On : 05 Apr 2019 12:18
 Operator : SY/MD
 Sample : K2148-15
 Misc : 3.54G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5G9RE

Quant Time: Apr 05 23:49:01 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	248019	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	176967	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	48246	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61594	18.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.20%
7) Chloroethane-d5	1.56	69	56885	13.79	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.16%
10) 1,1-Dichloroethene-d2	2.12	63	123742	14.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.08%
20) 2-Butanone-d5	3.94	46	8901	9.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	18.84%#
24) Chloroform-d	4.40	84	132064	21.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.56%
26) 1,2-Dichloroethane-d4	5.08	65	70595	20.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.76%
29) Benzene-d6	5.09	84	269152	29.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	117.32%
33) 1,2-Dichloropropane-d6	6.11	67	77281	28.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.12%
37) Toluene-d8	7.36	98	223731	25.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.20%
38) trans-1,3-Dichloropropene-	7.66	79	21406	18.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.96%
39) 2-Hexanone-d5	8.13	63	14623	26.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	53.84%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	42497	15.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	63.64%
61) 1,2-Dichlorobenzene-d4	11.67	152	38321	20.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.56%

Target Compounds

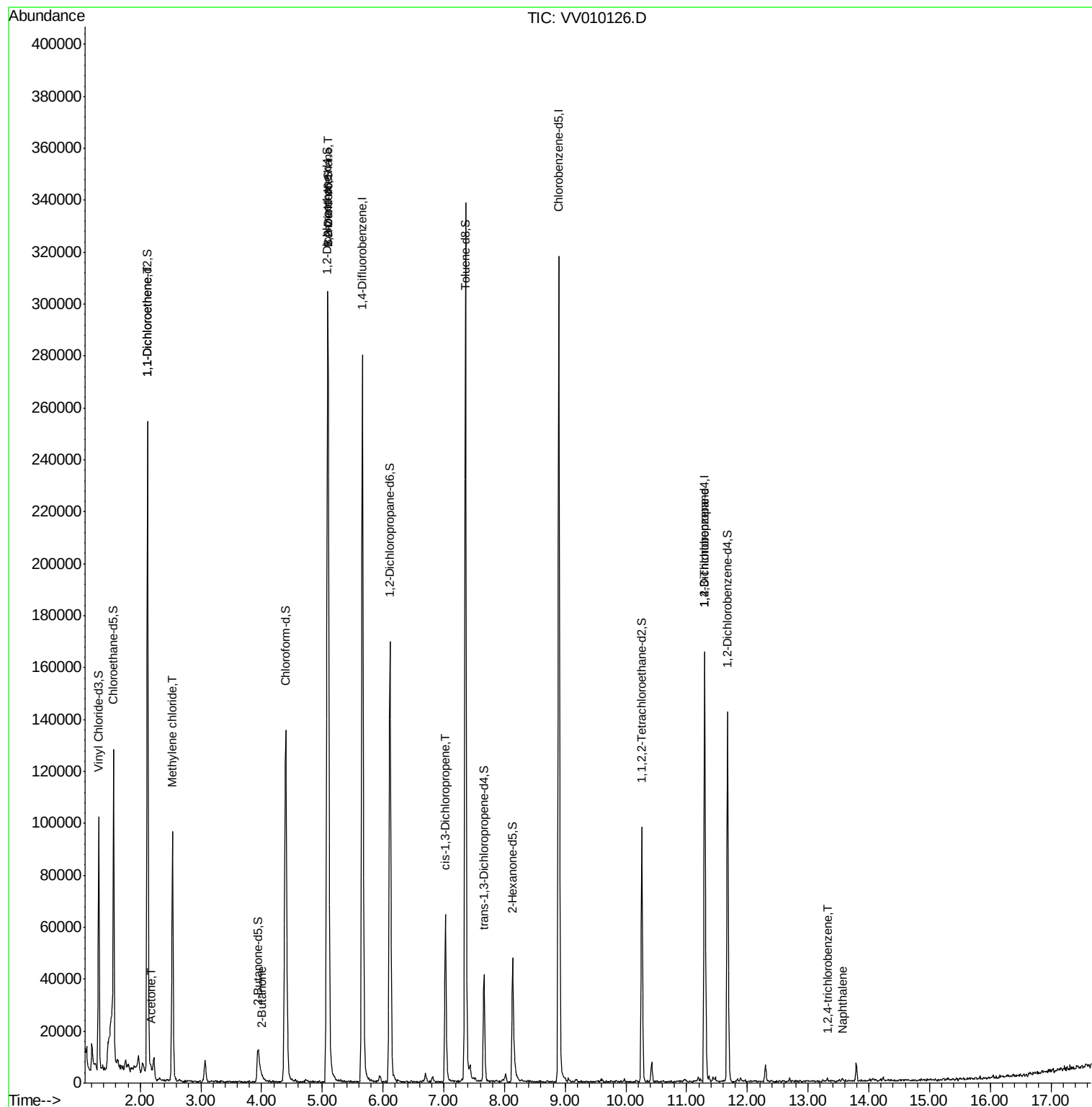
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.12	96	1432	0.422	ug/L #	1
13) Acetone	2.19	43	2418	2.588	ug/L	83
16) Methylene chloride	2.53	84	39063	8.965	ug/L	99
21) 2-Butanone	4.01	43	2387	2.333	ug/L #	49
27) 1,2-Dichloroethane	5.10	62	1873	0.487	ug/L #	75
42) cis-1,3-Dichloropropene	7.03	75	1994	0.630	ug/L #	59
59) 1,2,3-Trichloropropane	11.29	75	5797	3.246	ug/L	92
68) 1,2,4-trichlorobenzene	13.32	180	379	0.235	ug/L #	64
69) Naphthalene	13.56	128	858	0.320	ug/L #	78

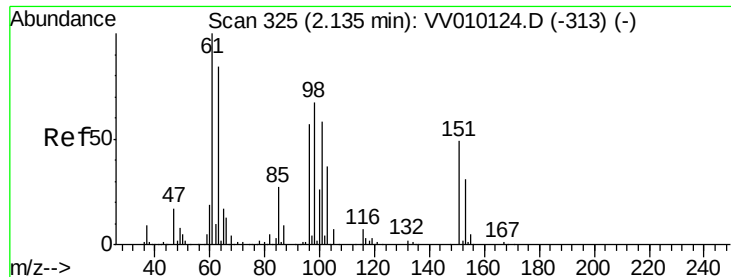
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.422 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.02 min

Lab File: VV010126.D

Acq: 05 Apr 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

BF5G9RE

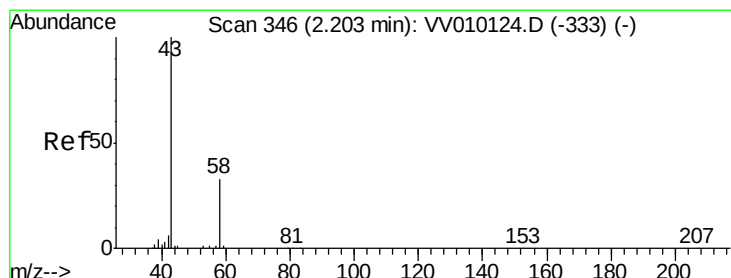
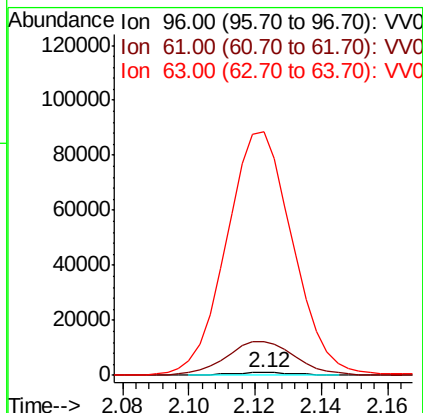
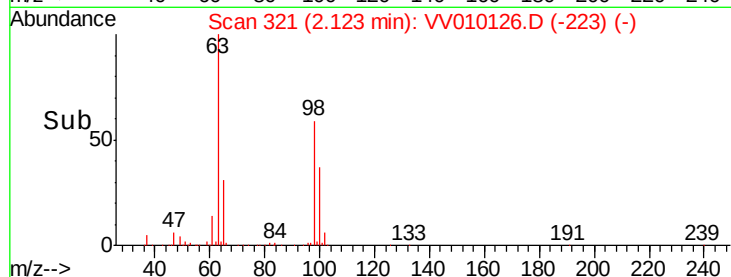
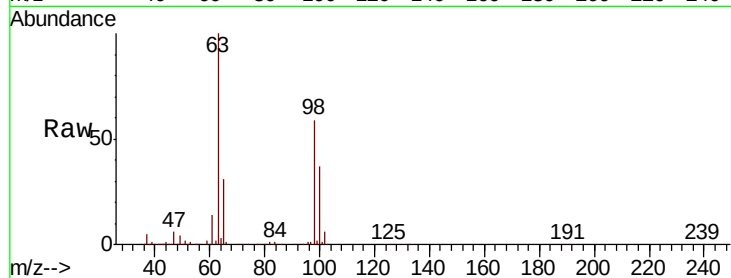
Tgt Ion: 96 Resp: 1432

Ion Ratio Lower Upper

96 100

61 1316.1 127.8 237.4#

63 9428.8 112.6 209.2#



#13

Acetone

Concen: 2.588 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV010126.D

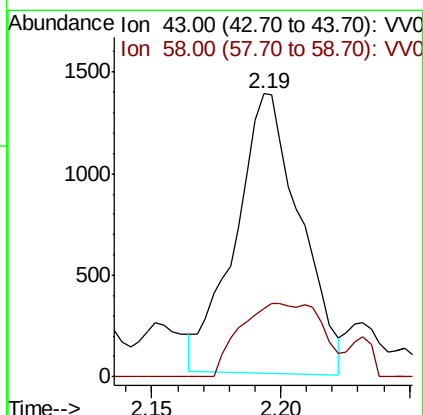
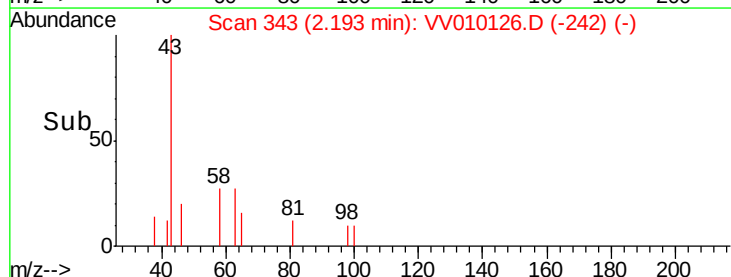
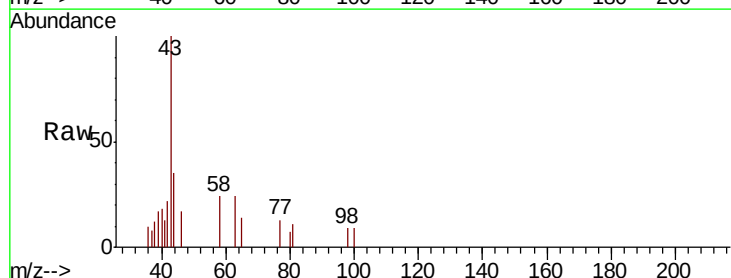
Acq: 05 Apr 2019 12:18

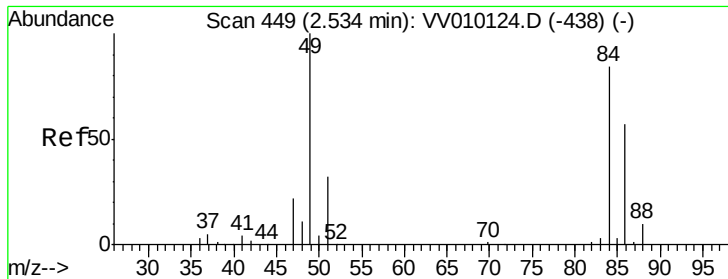
Tgt Ion: 43 Resp: 2418

Ion Ratio Lower Upper

43 100

58 22.9 0.0 64.6

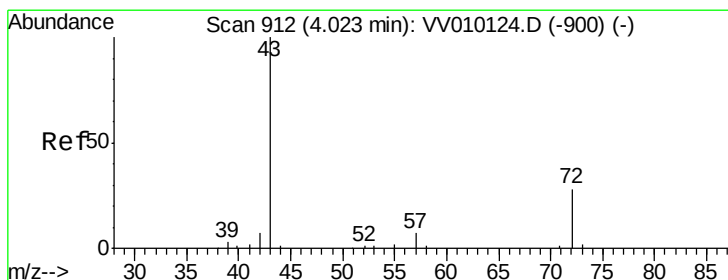
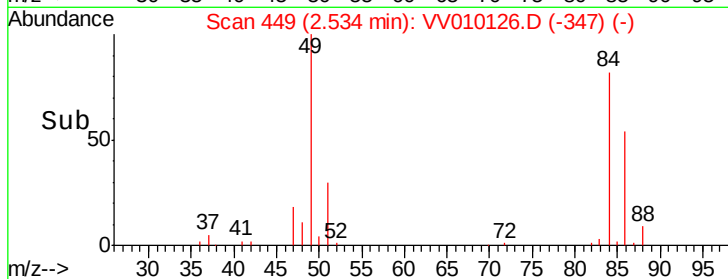
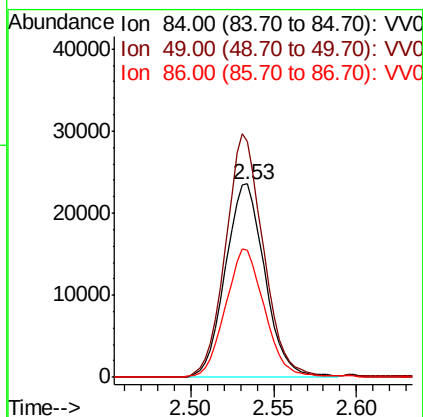
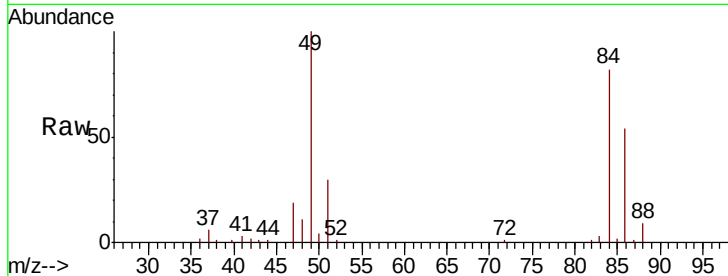




#16
Methylene chloride
Concen: 8.965 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010126.D
Acq: 05 Apr 2019 12:18

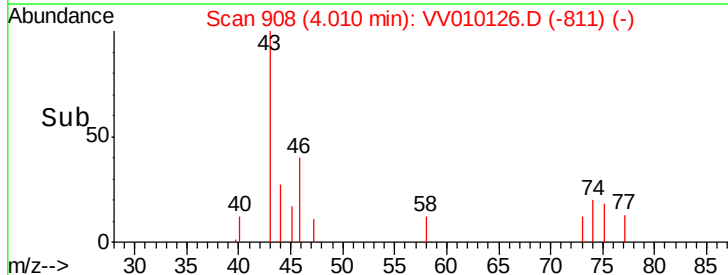
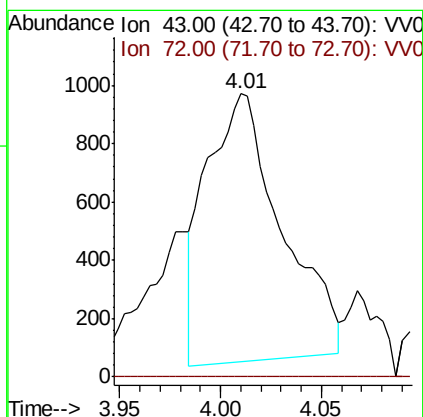
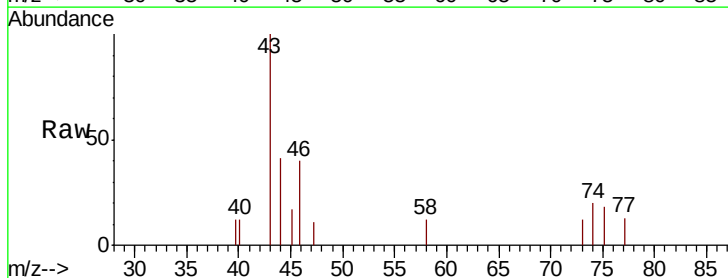
Instrument :
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ClientSampleId :
BF5G9RE

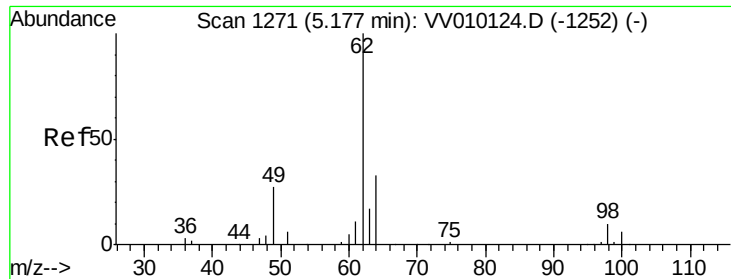
Tgt Ion: 84 Resp: 39063
Ion Ratio Lower Upper
84 100
49 121.8 84.3 156.5
86 65.7 45.4 84.2



#21
2-Butanone
Concen: 2.333 ug/L
RT: 4.01 min Scan# 908
Delta R.T. -0.02 min
Lab File: VV010126.D
Acq: 05 Apr 2019 12:18

Tgt Ion: 43 Resp: 2387
Ion Ratio Lower Upper
43 100
72 0.0 12.8 38.4#

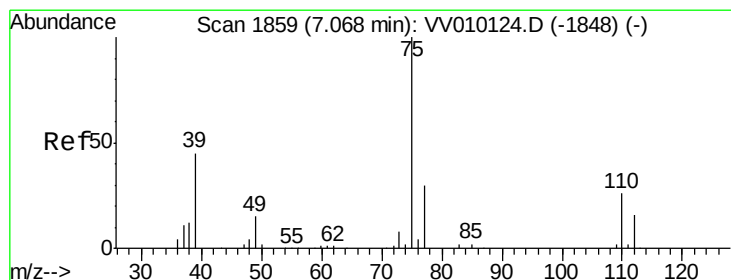
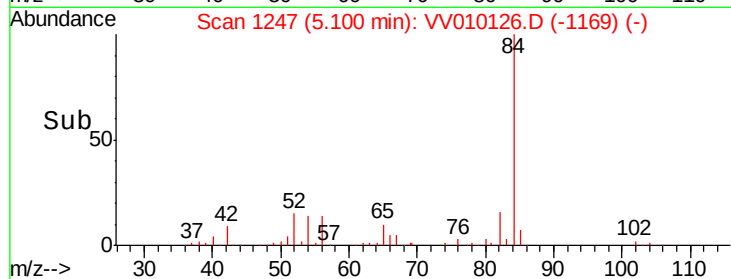
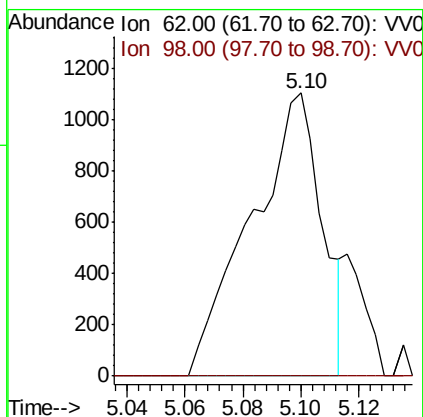
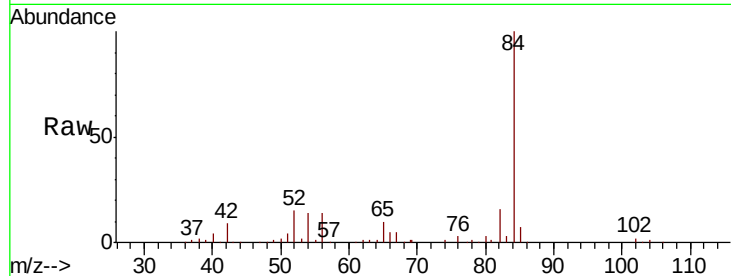




#27
 1,2-Dichloroethane
 Concen: 0.487 ug/L
 RT: 5.10 min Scan# 1247
 Delta R.T. -0.08 min
 Lab File: VV010126.D
 Acq: 05 Apr 2019 12:18

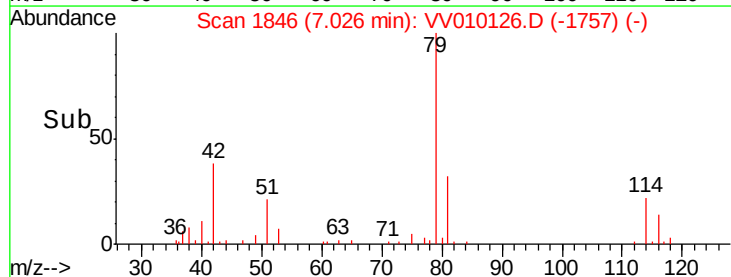
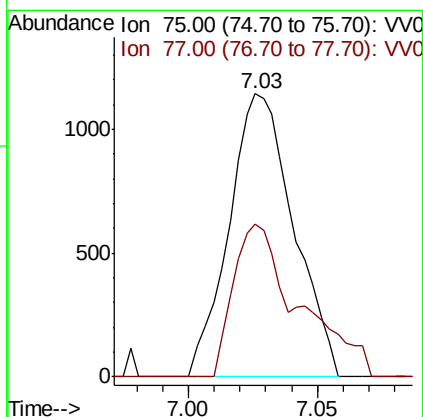
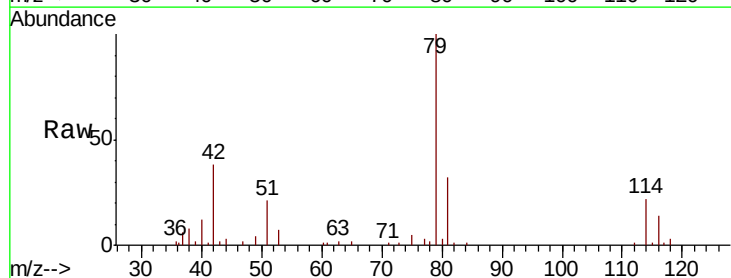
Instrument :
 MSVOA_V
 ClientSampled :
 BF5G9RE

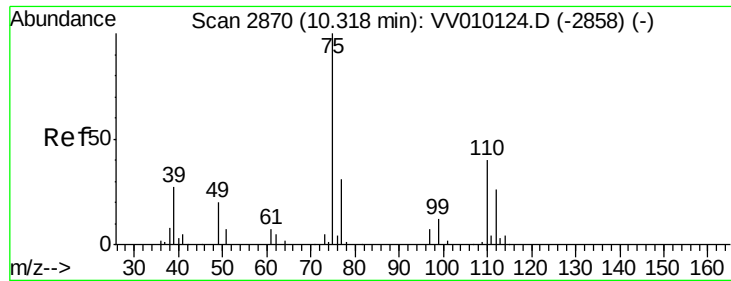
Tgt Ion: 62 Resp: 1873
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#42
 cis-1,3-Dichloropropene
 Concen: 0.630 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV010126.D
 Acq: 05 Apr 2019 12:18

Tgt Ion: 75 Resp: 1994
 Ion Ratio Lower Upper
 75 100
 77 54.2 22.1 41.1#





#59

1,2,3-Trichloropropane

Concen: 3.246 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV010126.D

Acq: 05 Apr 2019 12:18

Instrument :

MSVOA_V

ClientSampled :

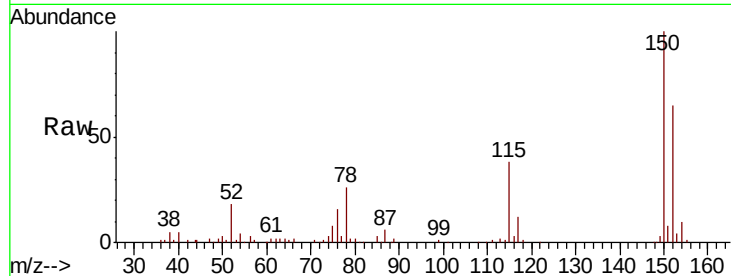
BF5G9RE

Tgt Ion: 75 Resp: 5797

Ion Ratio Lower Upper

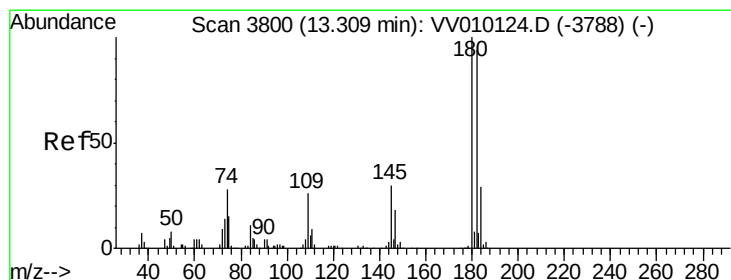
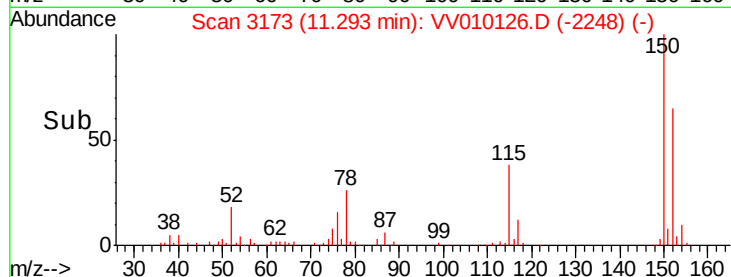
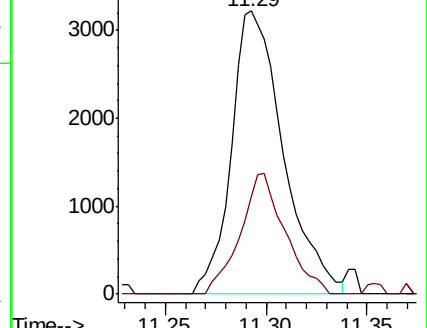
75 100

77 36.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV010126.D (-2248) (-)

Ion 77.00 (76.70 to 77.70): VV010126.D (-2248) (-)



#68

1,2,4-trichlorobenzene

Concen: 0.235 ug/L

RT: 13.32 min Scan# 3804

Delta R.T. 0.01 min

Lab File: VV010126.D

Acq: 05 Apr 2019 12:18

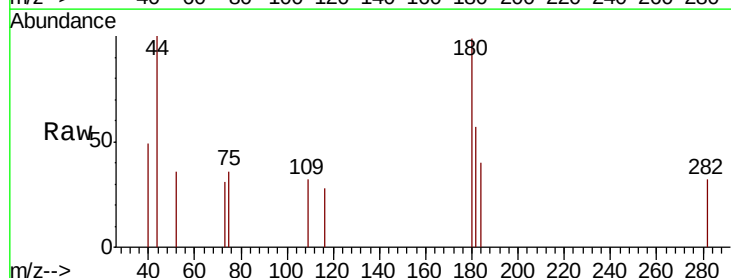
Tgt Ion: 180 Resp: 379

Ion Ratio Lower Upper

180 100

182 66.2 75.7 113.5#

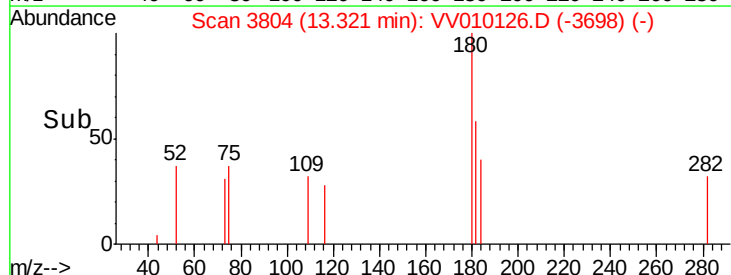
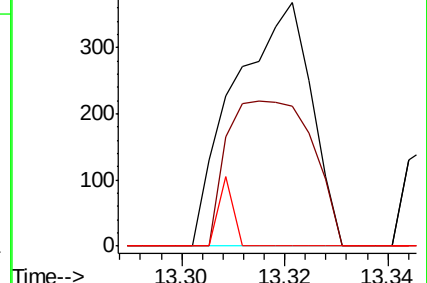
145 0.0 24.6 37.0#

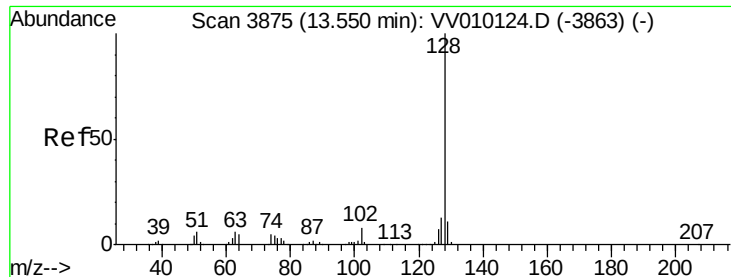


Abundance Ion 180.00 (179.70 to 180.70): VV010126.D (-3698) (-)

Ion 182.00 (181.70 to 182.70): VV010126.D (-3698) (-)

Ion 145.00 (144.70 to 145.70): VV010126.D (-3698) (-)





#69

Naphthalene

Concen: 0.320 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV010126.D

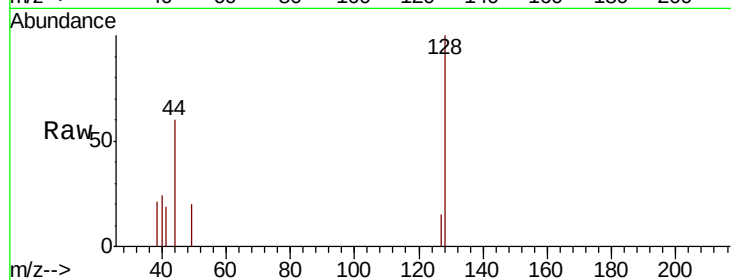
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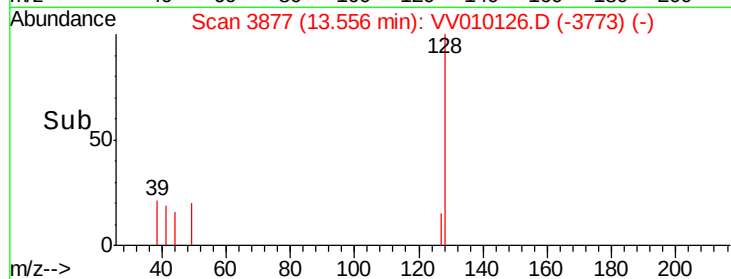
Tgt Ion:128 Resp: 858

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

127 7.6 11.0 16.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

