

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033019\
 Data File : VV010025.D
 Acq On : 30 Mar 2019 17:36
 Operator : SY/MD
 Sample : K2166-10
 Misc : 5.87G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0L5

Quant Time: Mar 30 23:35:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 23:31:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	113162	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	116116	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46979	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54124	23.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.28%
7) Chloroethane-d5	1.56	69	62671	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.08%
10) 1,1-Dichloroethene-d2	2.12	63	119845	19.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.32%
20) 2-Butanone-d5	3.94	46	28526	66.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.32%
24) Chloroform-d	4.40	84	65832	22.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.32%
26) 1,2-Dichloroethane-d4	5.08	65	52900	30.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	121.96%
29) Benzene-d6	5.10	84	156791	25.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.84%
33) 1,2-Dichloropropane-d6	6.12	67	49283	27.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.48%
37) Toluene-d8	7.36	98	130071	22.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.16%
38) trans-1,3-Dichloropropene-	7.66	79	15064	20.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.56%
39) 2-Hexanone-d5	8.13	63	22215	66.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	50711	28.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	48688	27.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.88%

Target Compounds

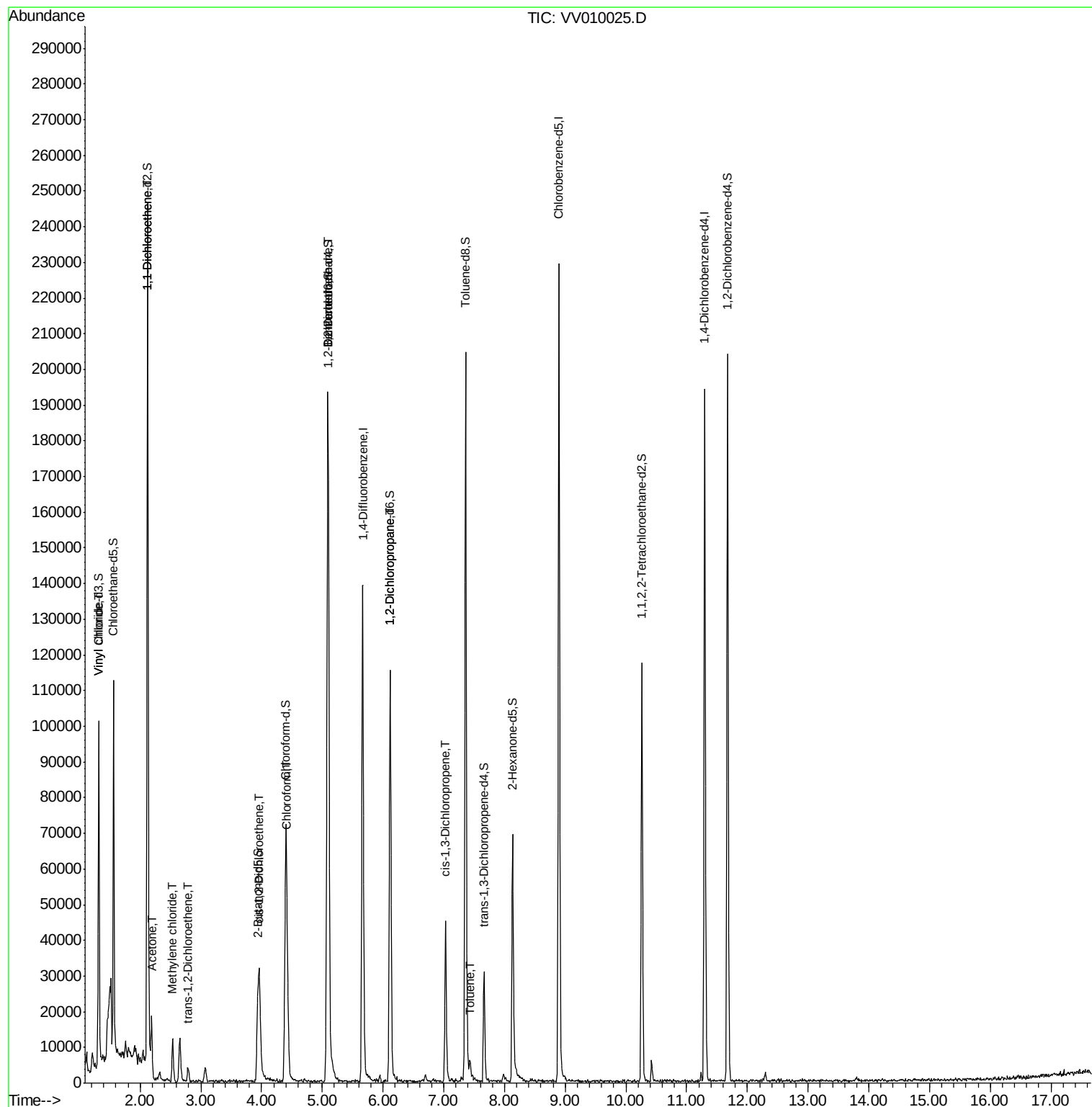
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	1.32	62	1096	0.416	ug/L #	1
12) 1,1-Dichloroethene	2.12	96	1237	0.447	ug/L #	1
13) Acetone	2.19	43	7708	11.897	ug/L	98
16) Methylene chloride	2.53	84	4309	2.312	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	1575	1.062	ug/L	78
22) cis-1,2-Dichloroethene	3.96	96	9811	5.993	ug/L	89
25) Chloroform	4.42	83	15730	5.247	ug/L	95
27) 1,2-Dichloroethane	5.10	62	1078	0.507	ug/L #	75
40) 1,2-Dichloropropane	6.12	63	6503	4.081	ug/L #	92
42) cis-1,3-Dichloropropene	7.03	75	1079	0.464	ug/L #	25
44) Toluene	7.43	91	2802	0.399	ug/L	90

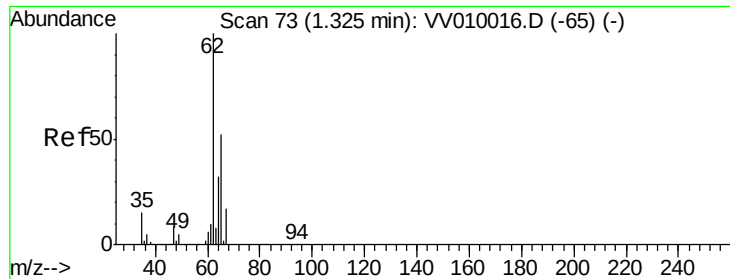
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 30 23:31:11 2019
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#5

Vinyl chloride

Concen: 0.416 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010025.D

Acq: 30 Mar 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

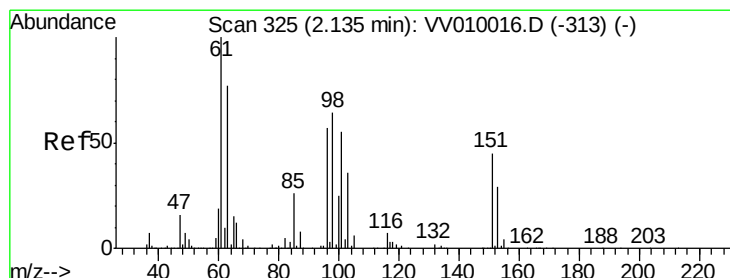
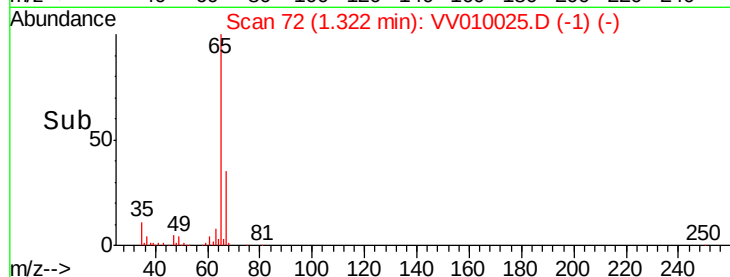
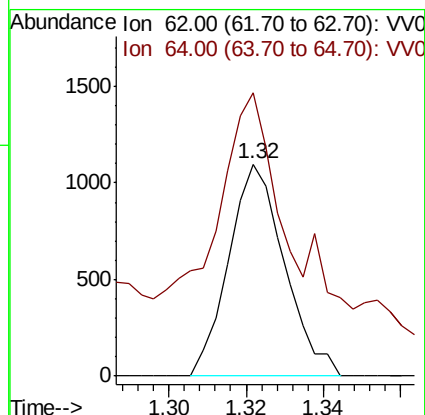
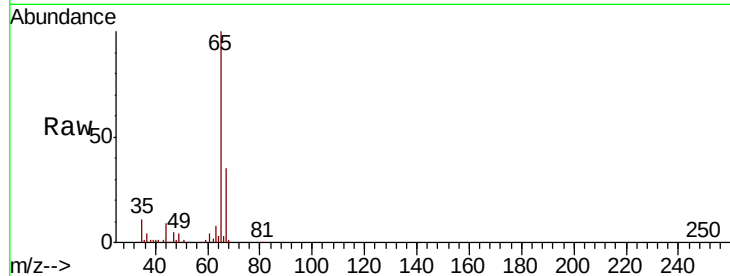
BF0L5

Tgt Ion: 62 Resp: 1096

Ion Ratio Lower Upper

62 100

64 133.3 22.8 42.4#



#12

1,1-Dichloroethene

Concen: 0.447 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV010025.D

Acq: 30 Mar 2019 17:36

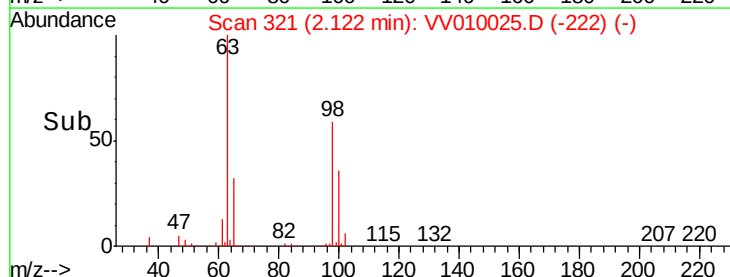
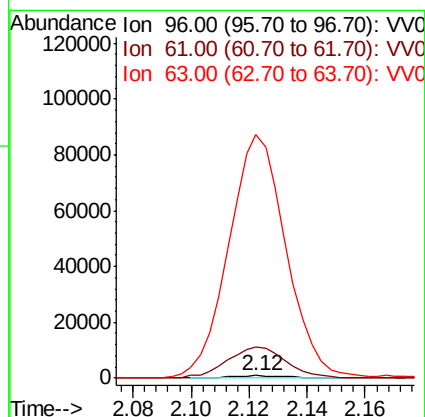
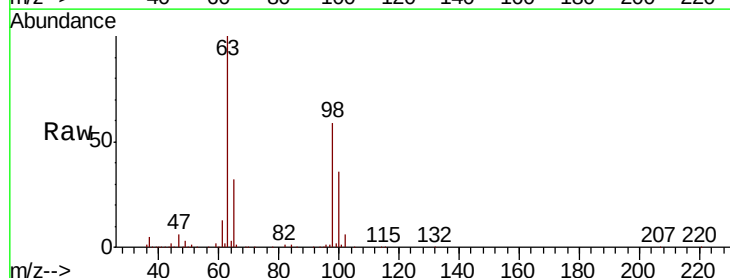
Tgt Ion: 96 Resp: 1237

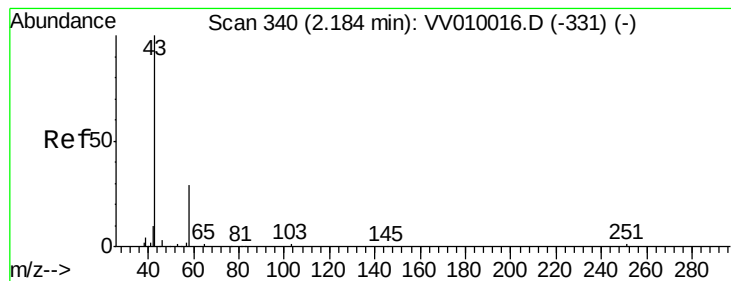
Ion Ratio Lower Upper

96 100

61 1323.5 124.3 230.8#

63 10339.3 88.2 163.8#





#13

Acetone

Concen: 11.897 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV010025.D

Acq: 30 Mar 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

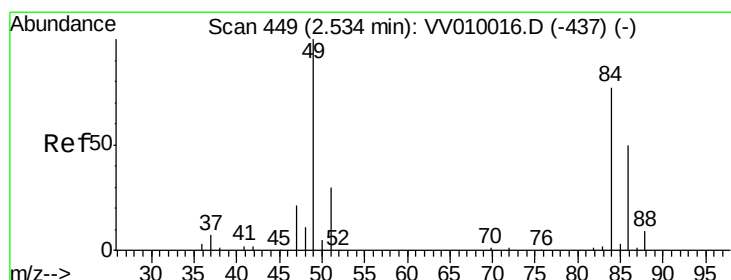
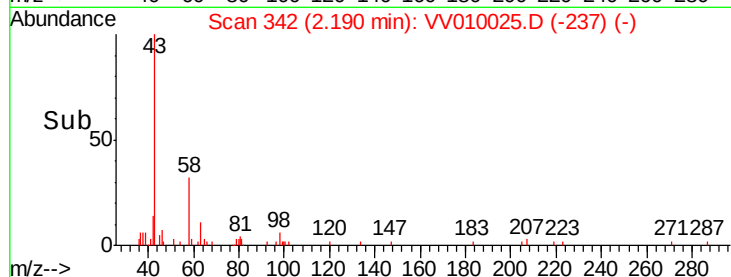
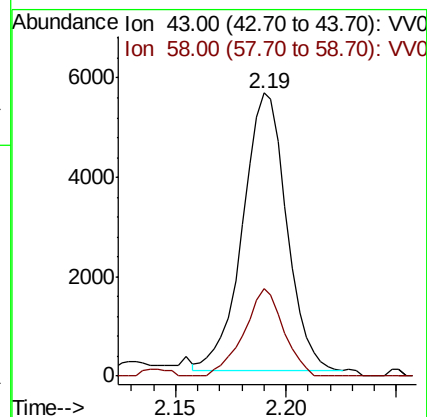
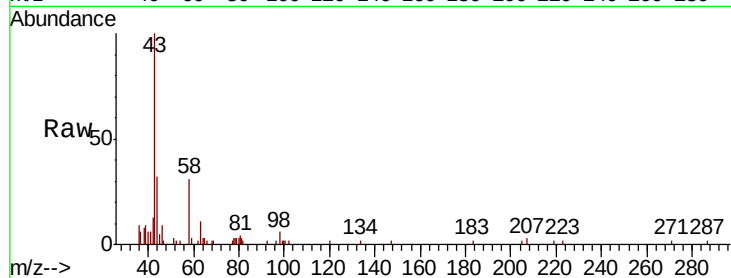
BF0L5

Tgt Ion: 43 Resp: 7708

Ion Ratio Lower Upper

43 100

58 28.4 0.0 59.4



#16

Methylene chloride

Concen: 2.312 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010025.D

Acq: 30 Mar 2019 17:36

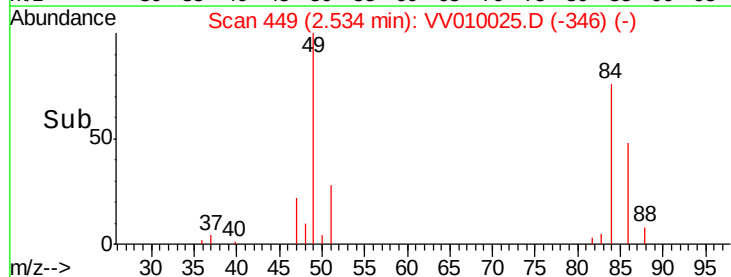
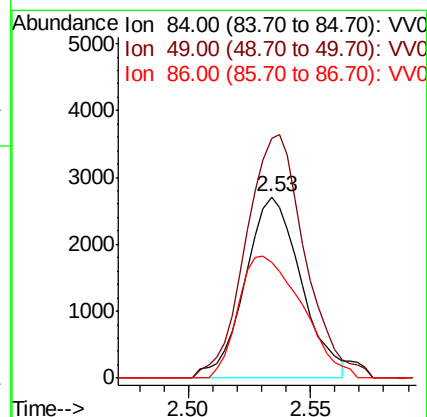
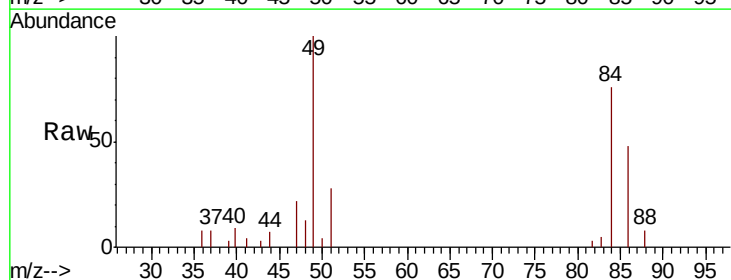
Tgt Ion: 84 Resp: 4309

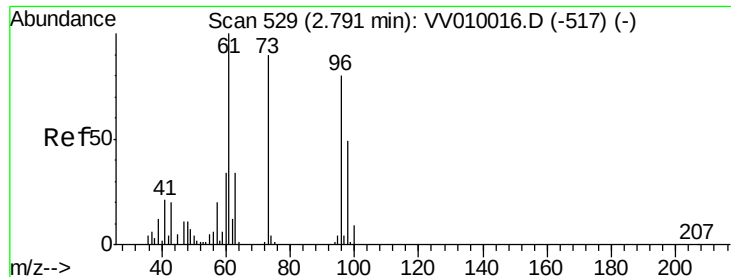
Ion Ratio Lower Upper

84 100

49 132.3 90.4 167.8

86 63.6 44.0 81.6





#18

trans-1,2-Dichloroethene

Concen: 1.062 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV010025.D

Acq: 30 Mar 2019 17:36

Instrument :

MSVOA_V

ClientSampled :

BF0L5

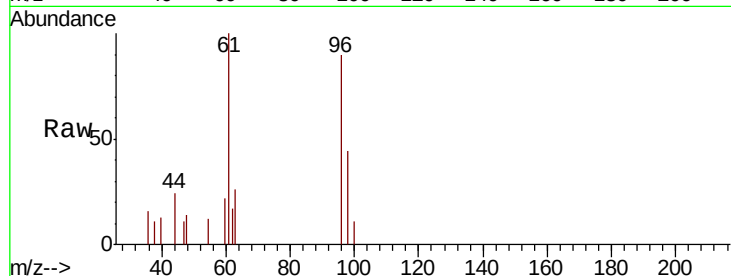
Tgt Ion: 96 Resp: 1575

Ion Ratio Lower Upper

96 100

61 111.2 96.8 179.8

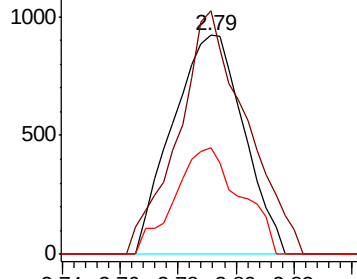
98 48.4 46.1 85.7



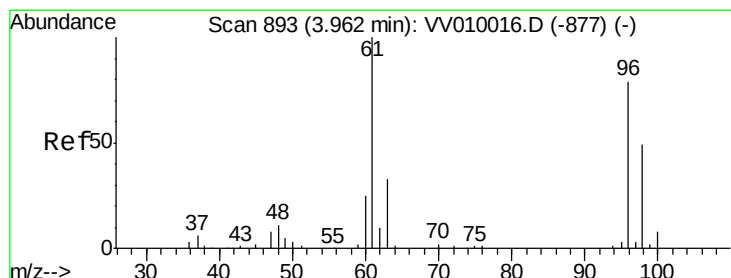
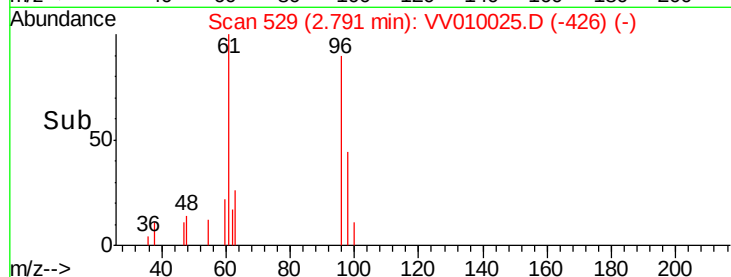
Abundance Ion 96.00 (95.70 to 96.70): VV010016.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV010016.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV010016.D (-517) (-)



Time--> 2.74 2.76 2.78 2.80 2.82



#22

cis-1,2-Dichloroethene

Concen: 5.993 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV010025.D

Acq: 30 Mar 2019 17:36

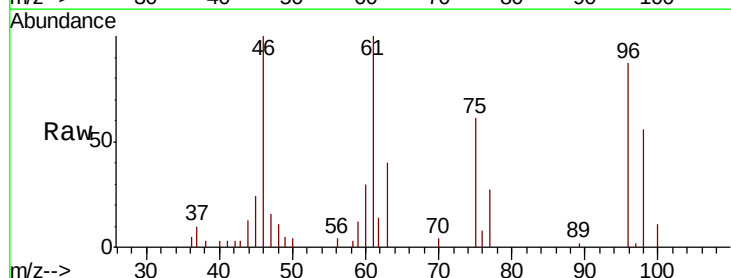
Tgt Ion: 96 Resp: 9811

Ion Ratio Lower Upper

96 100

61 114.6 91.4 169.8

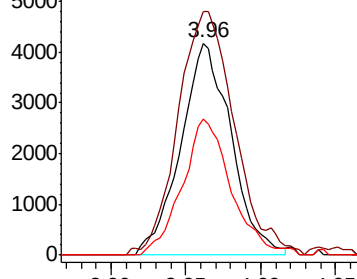
98 64.0 48.0 89.2



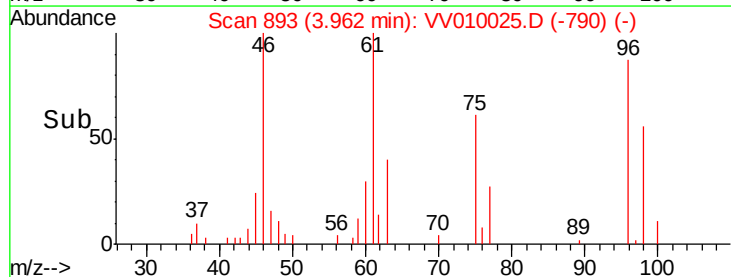
Abundance Ion 96.00 (95.70 to 96.70): VV010016.D (-877) (-)

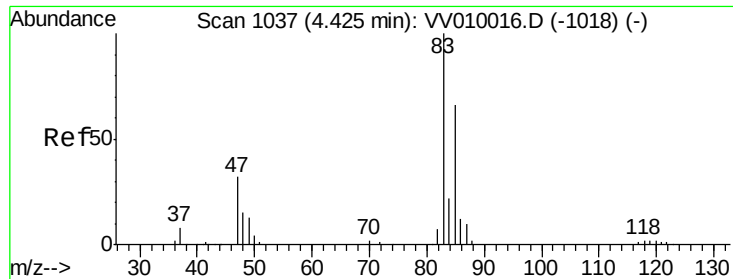
Ion 61.00 (60.70 to 61.70): VV010016.D (-877) (-)

Ion 98.00 (97.70 to 98.70): VV010016.D (-877) (-)



Time--> 3.90 3.95 4.00 4.05

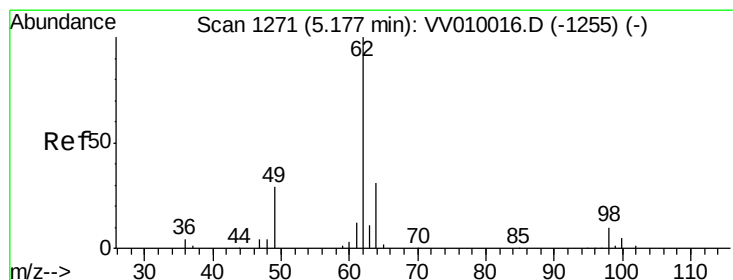
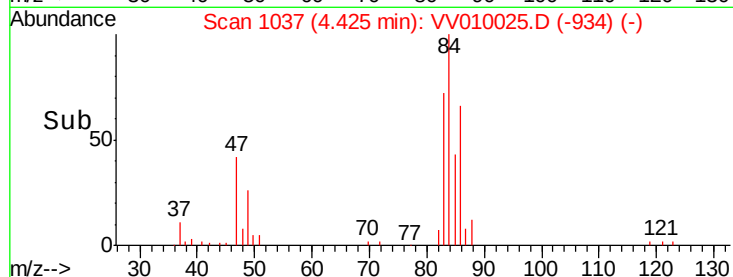
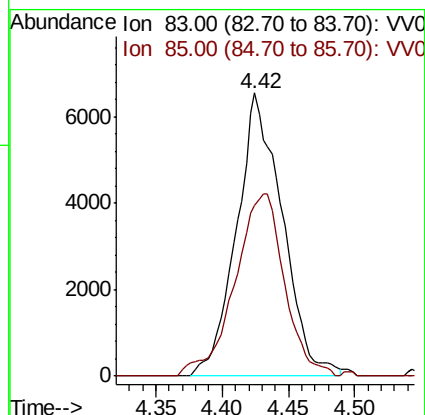
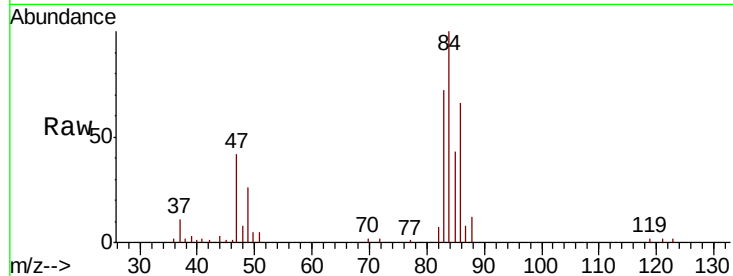




#25
Chloroform
Concen: 5.247 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV010025.D
Acq: 30 Mar 2019 17:36

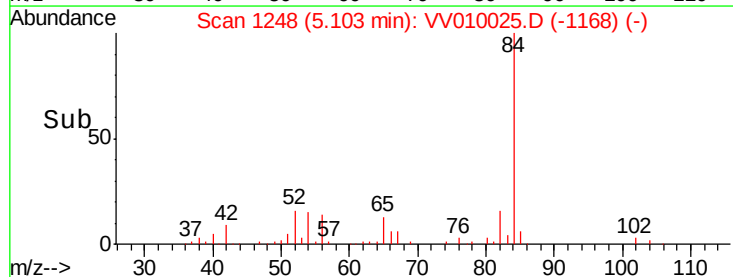
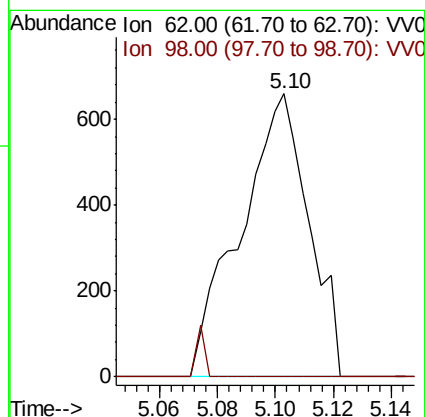
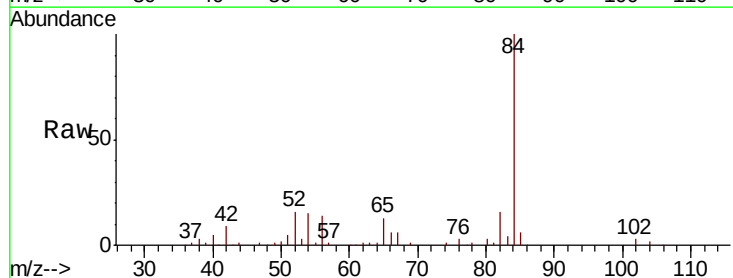
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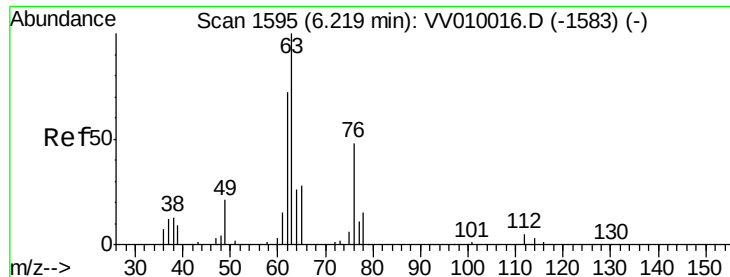
Tgt Ion: 83 Resp: 15730
Ion Ratio Lower Upper
83 100
85 69.6 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.507 ug/L
RT: 5.10 min Scan# 1248
Delta R.T. -0.07 min
Lab File: VV010025.D
Acq: 30 Mar 2019 17:36

Tgt Ion: 62 Resp: 1078
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#

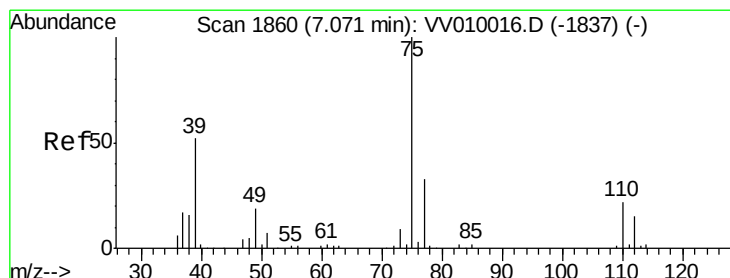
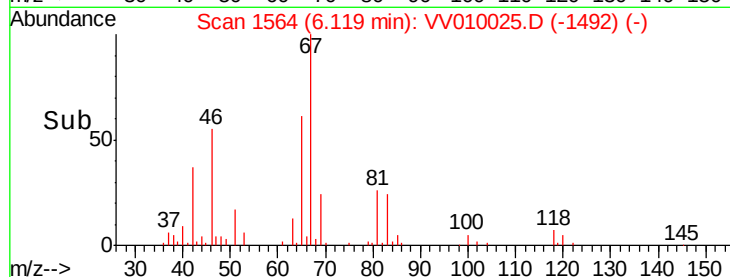
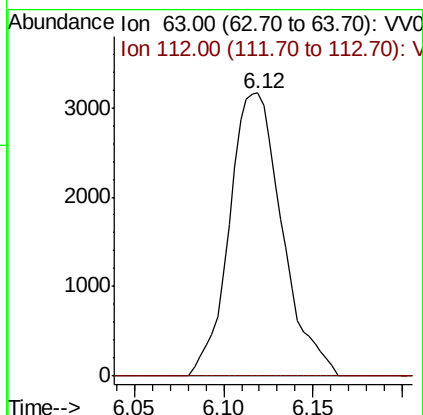
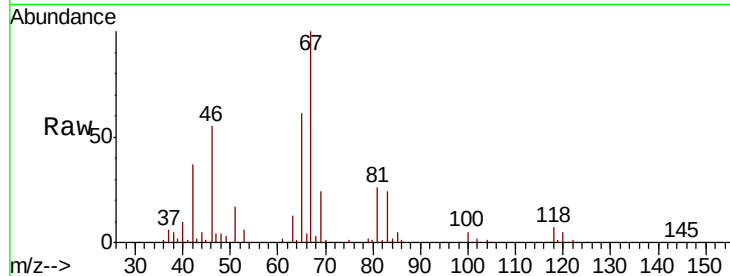




#40
 1,2-Dichloropropane
 Concen: 4.081 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV010025.D
 Acq: 30 Mar 2019 17:36

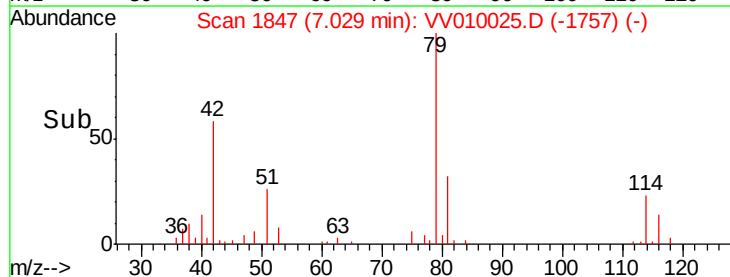
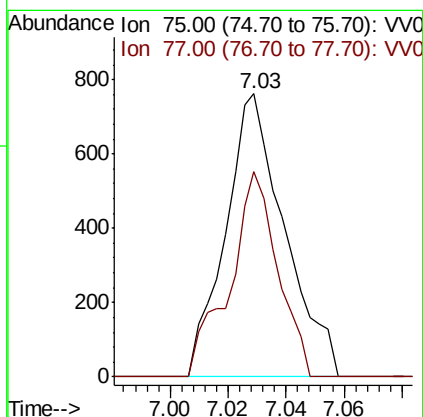
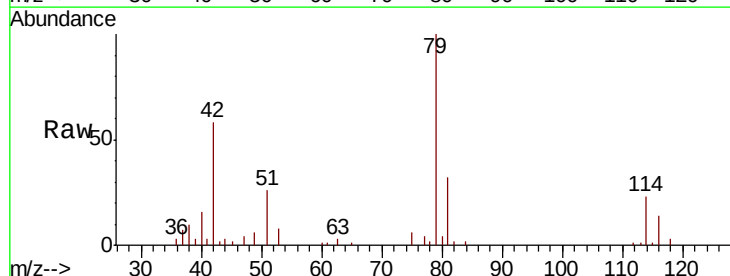
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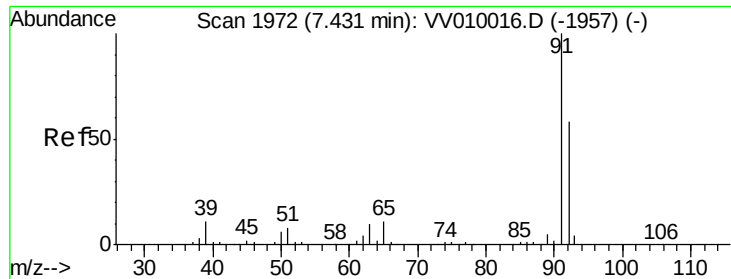
Tgt Ion: 63 Resp: 6503
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.1 3.1#



#42
 cis-1,3-Dichloropropene
 Concen: 0.464 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010025.D
 Acq: 30 Mar 2019 17:36

Tgt Ion: 75 Resp: 1079
 Ion Ratio Lower Upper
 75 100
 77 72.7 21.8 40.6#





#44

Toluene

Concen: 0.399 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010025.D

Acq: 30 Mar 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

BF0L5

Tgt Ion: 91 Resp: 2802

Ion Ratio Lower Upper

91 100

92 51.1 41.0 76.2

