

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040619\
 Data File : VV010152.D
 Acq On : 06 Apr 2019 14:43
 Operator : SY/MD
 Sample : K2259-18
 Misc : 5.29G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETJ48

Quant Time: Apr 07 00:53:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 00:49:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	276131	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	236873	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78550	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55879	15.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.48%
7) Chloroethane-d5	1.57	69	81872	17.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.32%
10) 1,1-Dichloroethene-d2	2.13	63	122430	13.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.52%
20) 2-Butanone-d5	3.94	46	52810	50.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.40%
24) Chloroform-d	4.40	84	168464	24.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.88%
26) 1,2-Dichloroethane-d4	5.08	65	98384	25.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.12%
29) Benzene-d6	5.10	84	335133	27.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.12%
33) 1,2-Dichloropropane-d6	6.12	67	104959	28.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.80%
37) Toluene-d8	7.36	98	288755	24.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.60%
38) trans-1,3-Dichloropropene-	7.66	79	31666	20.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.72%
39) 2-Hexanone-d5	8.14	63	34494	47.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.88%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	79303	22.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.72%
61) 1,2-Dichlorobenzene-d4	11.68	152	81793	26.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.92%

Target Compounds

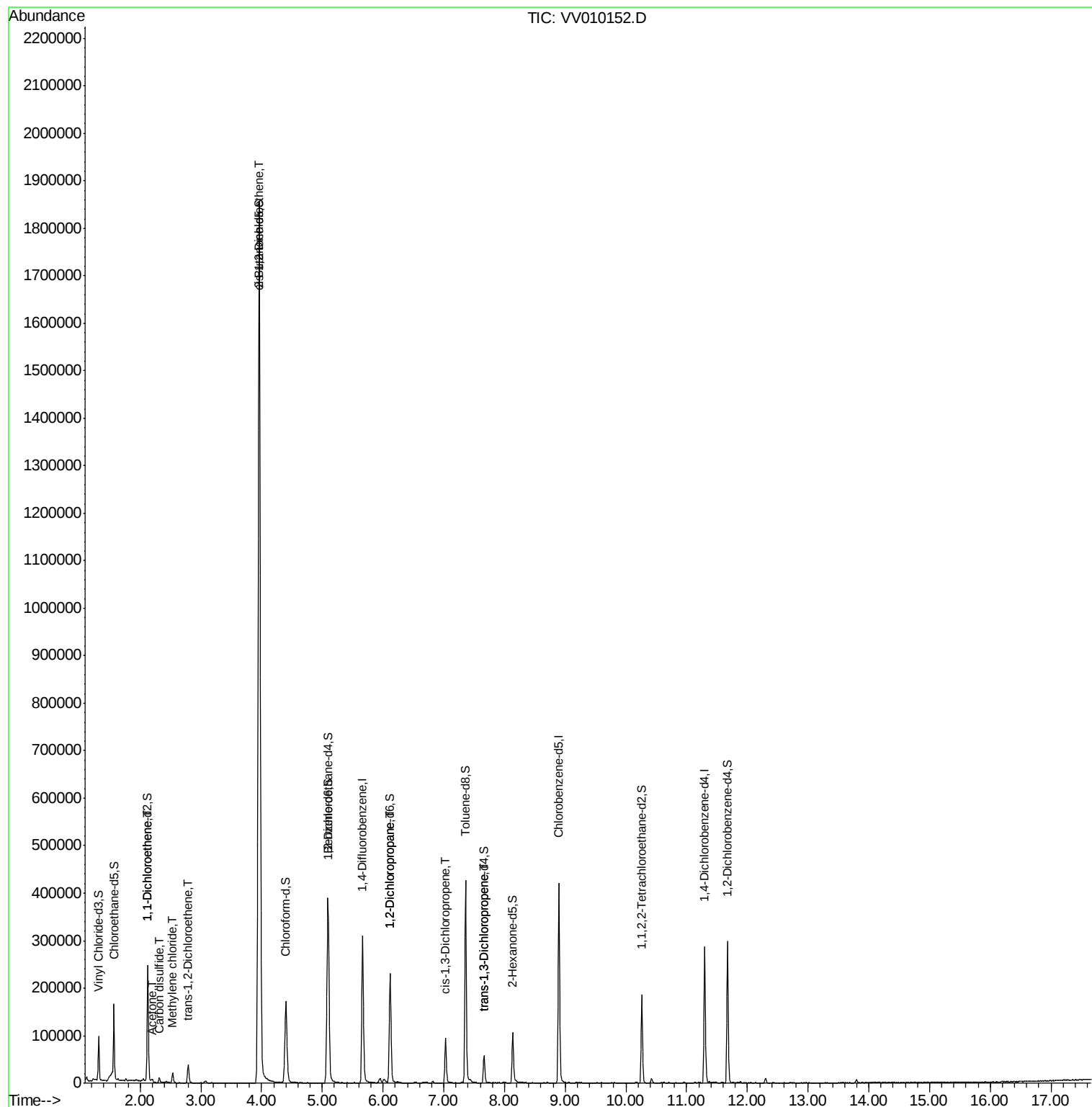
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.13	96	1678	0.444	ug/L #	1
13) Acetone	2.20	43	5831	5.607	ug/L	98
14) Carbon disulfide	2.32	76	11274	1.439	ug/L	98
16) Methylene chloride	2.53	84	9026	1.860	ug/L	93
18) trans-1,2-Dichloroethene	2.79	96	14093	4.274	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	1035347	282.771	ug/L	98
40) 1,2-Dichloropropane	6.12	63	12897	4.407	ug/L #	93
42) cis-1,3-Dichloropropene	7.03	75	2650	0.625	ug/L	94
45) trans-1,3-Dichloropropene	7.66	75	1776	0.493	ug/L	91

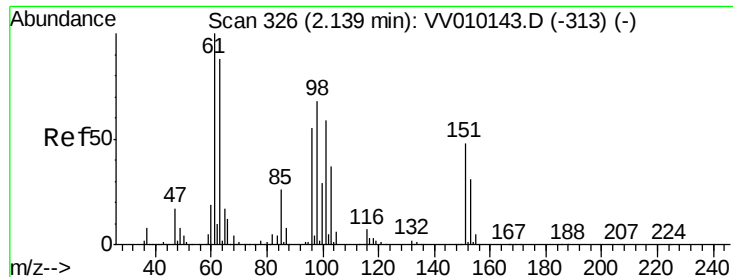
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sun Apr 07 00:49:32 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.444 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV010152.D

Acq: 06 Apr 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

ETJ48

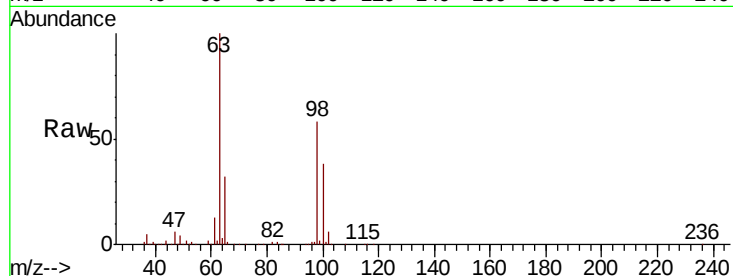
Tgt Ion: 96 Resp: 1678

Ion Ratio Lower Upper

96 100

61 1002.8 127.8 237.4#

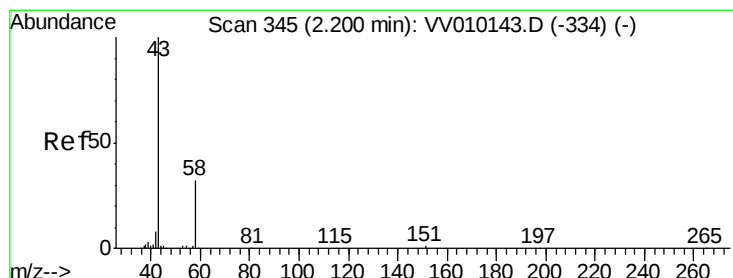
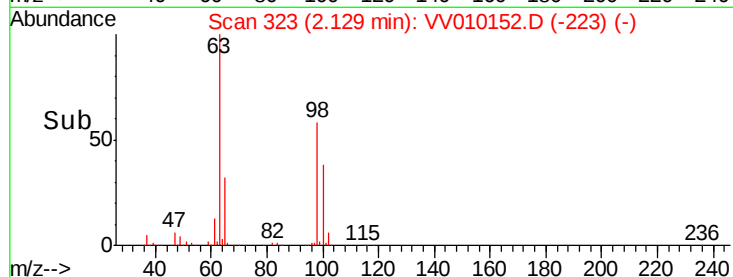
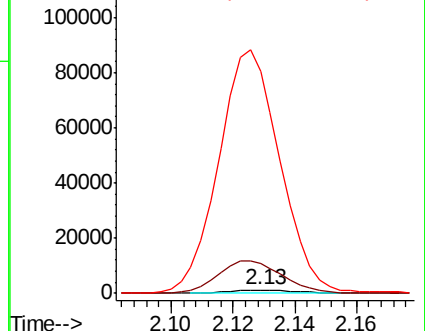
63 7464.4 112.6 209.2#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 5.607 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV010152.D

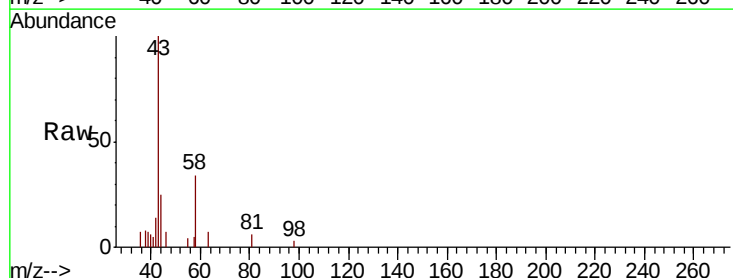
Acq: 06 Apr 2019 14:43

Tgt Ion: 43 Resp: 5831

Ion Ratio Lower Upper

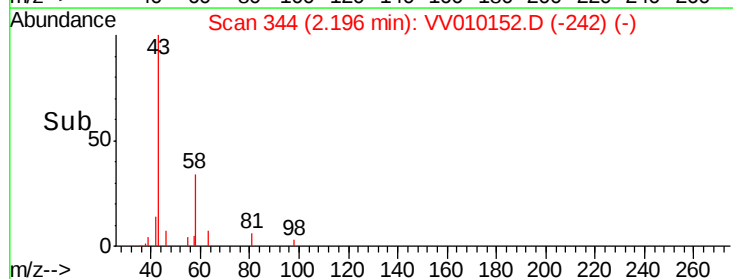
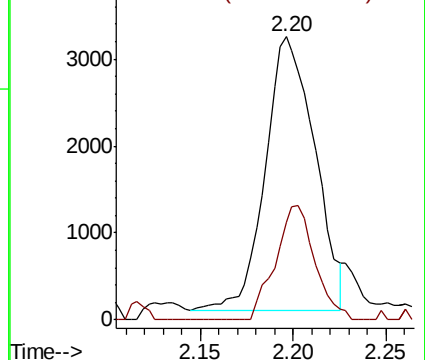
43 100

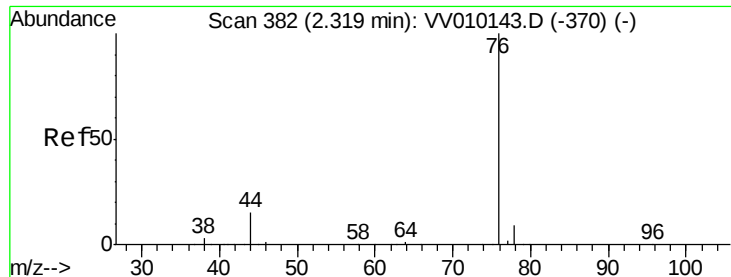
58 33.4 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#14

Carbon disulfide

Concen: 1.439 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV010152.D

Acq: 06 Apr 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

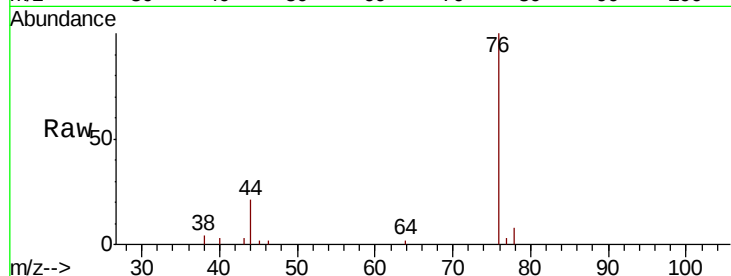
ETJ48

Tgt Ion: 76 Resp: 11274

Ion Ratio Lower Upper

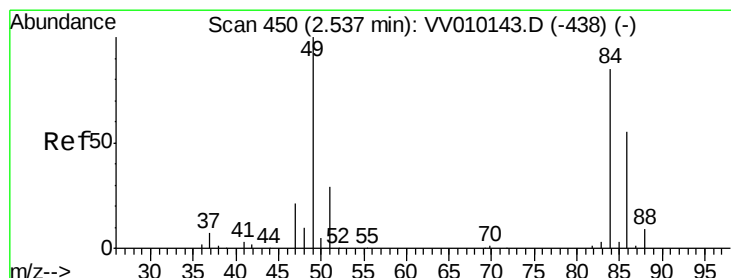
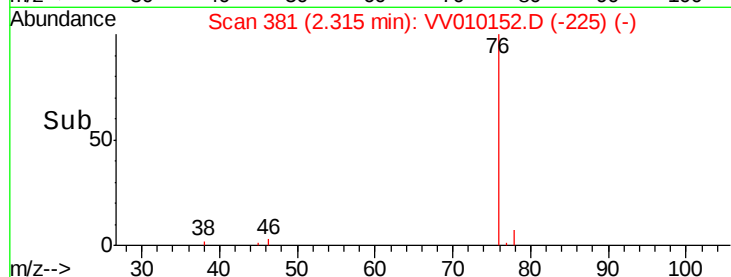
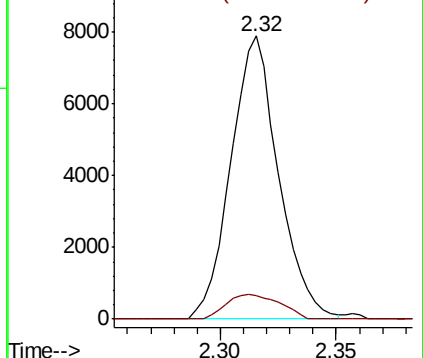
76 100

78 8.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 1.860 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010152.D

Acq: 06 Apr 2019 14:43

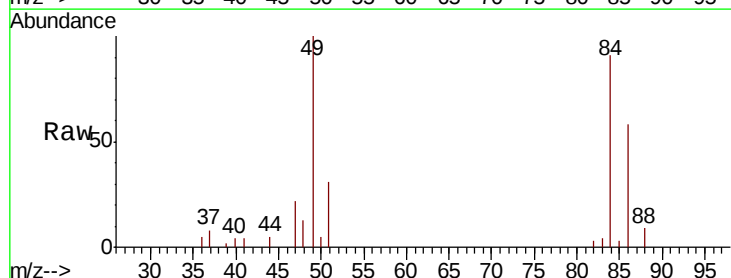
Tgt Ion: 84 Resp: 9026

Ion Ratio Lower Upper

84 100

49 109.7 84.3 156.5

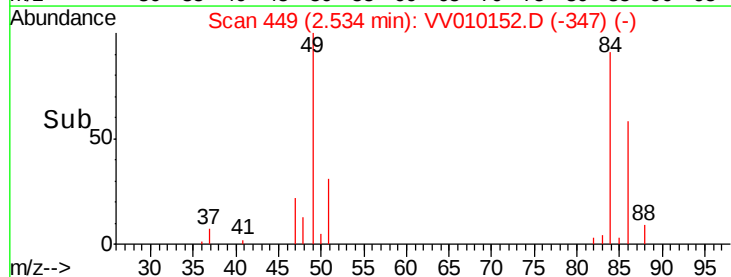
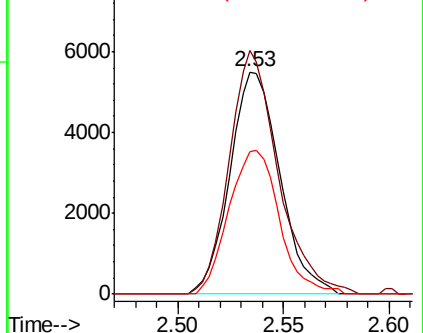
86 64.1 45.4 84.2

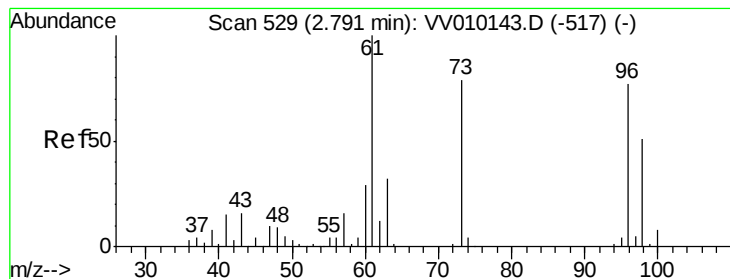


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0





#18

trans-1,2-Dichloroethene

Concen: 4.274 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV010152.D

Acq: 06 Apr 2019 14:43

Instrument :

MSVOA_V

ClientSampled :

ETJ48

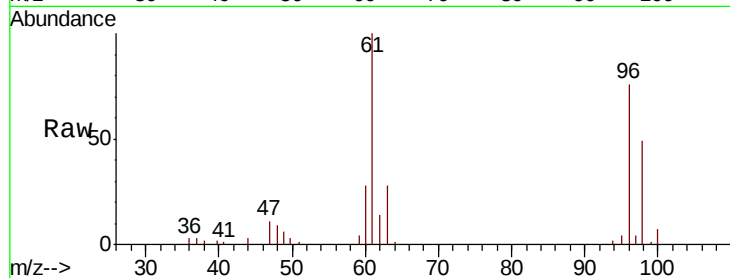
Tgt Ion: 96 Resp: 14093

Ion Ratio Lower Upper

96 100

61 131.7 90.0 167.2

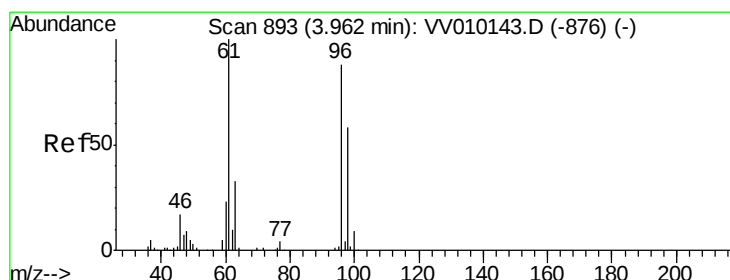
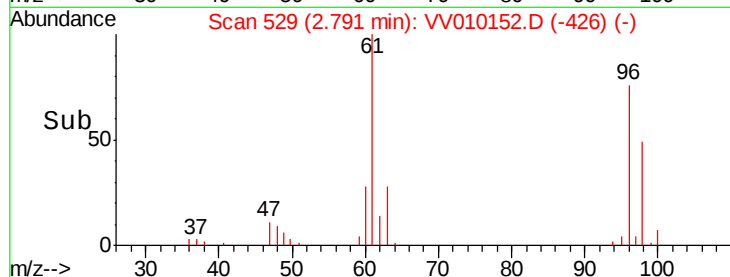
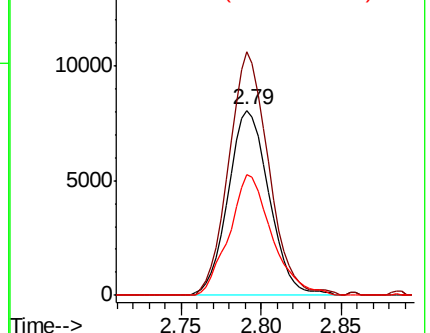
98 65.1 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#22

cis-1,2-Dichloroethene

Concen: 282.771 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV010152.D

Acq: 06 Apr 2019 14:43

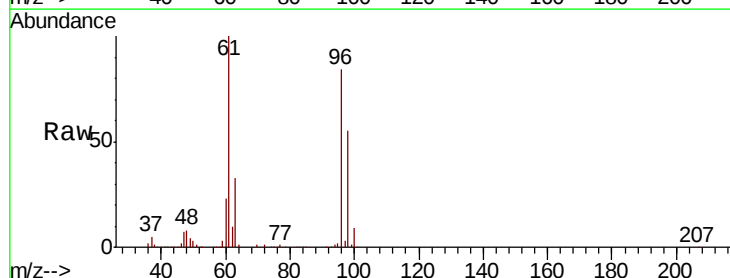
Tgt Ion: 96 Resp: 1035347

Ion Ratio Lower Upper

96 100

61 119.2 82.7 153.5

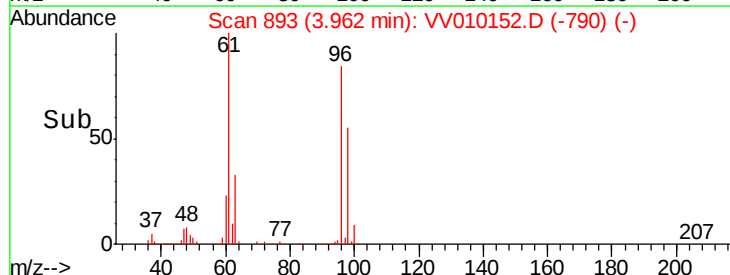
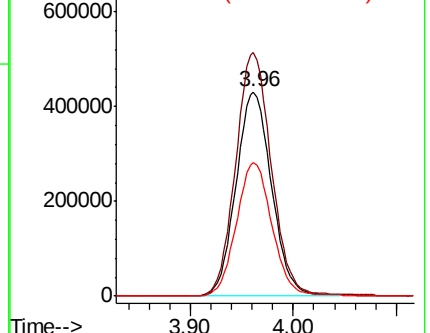
98 65.4 43.9 81.5

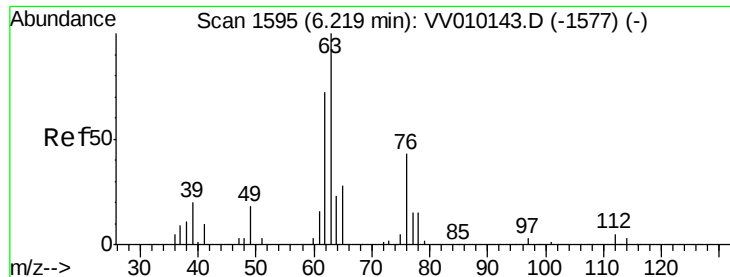


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

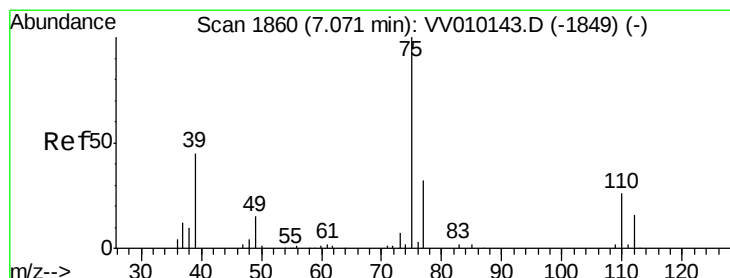
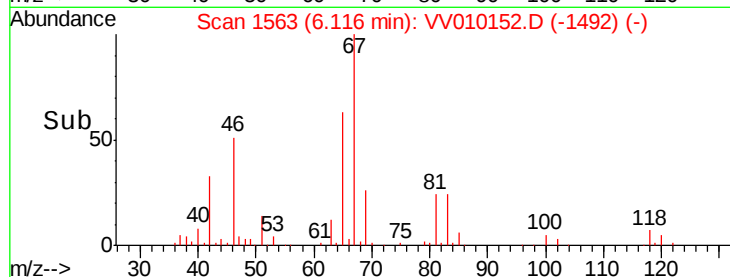
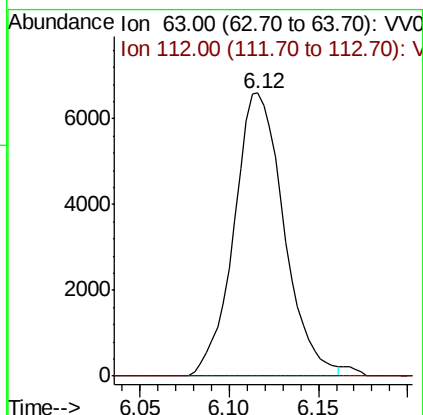
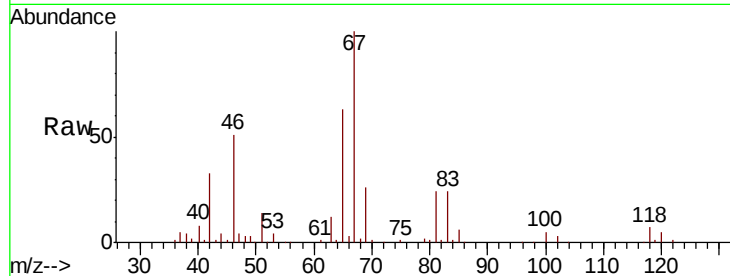




#40
 1,2-Dichloropropane
 Concen: 4.407 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV010152.D
 Acq: 06 Apr 2019 14:43

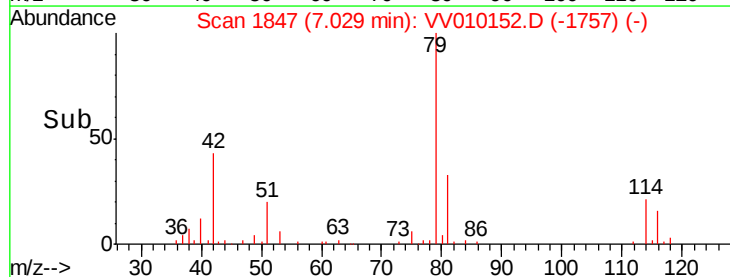
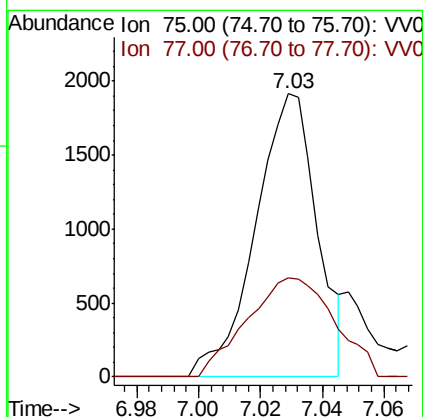
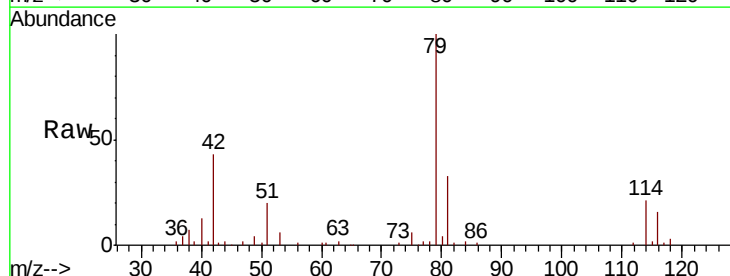
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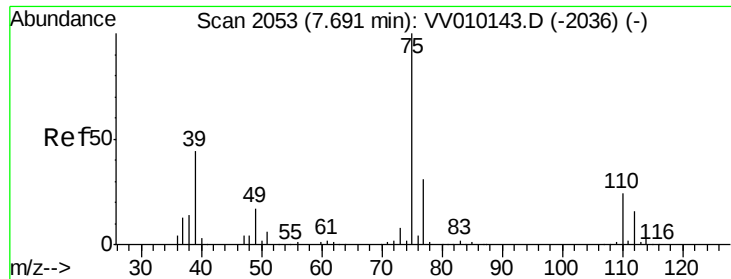
Tgt Ion: 63 Resp: 12897
 Ion Ratio Lower Upper
 63 100
 112 2.3 3.6 5.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.625 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010152.D
 Acq: 06 Apr 2019 14:43

Tgt Ion: 75 Resp: 2650
 Ion Ratio Lower Upper
 75 100
 77 35.1 22.1 41.1





#45

trans-1,3-Dichloropropene

Concen: 0.493 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV010152.D

Acq: 06 Apr 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

ETJ48

Tgt Ion: 75 Resp: 1776

Ion Ratio Lower Upper

75 100

77 28.6 23.5 43.7

