

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090418\
 Data File : VV007344.D
 Acq On : 04 Sep 2018 22:27
 Operator : SY/MD
 Sample : J4665-19
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AB8

Quant Time: Sep 05 01:28:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 05 01:26:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	567997	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	544196	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	206960	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	185068	45.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.24%
7) Chloroethane-d5	1.57	69	120872	45.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.96%
11) 1,1-Dichloroethene-d2	2.13	63	264699	37.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.08%
21) 2-Butanone-d5	3.97	46	333623	101.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.09%
24) Chloroform-d	4.41	84	378904	45.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.30%
26) 1,2-Dichloroethane-d4	5.09	65	238675	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.28%
32) Benzene-d6	5.10	84	768640	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.72%
36) 1,2-Dichloropropane-d6	6.12	67	263838	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.00%
41) Toluene-d8	7.37	98	636340	45.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.14%
43) trans-1,3-Dichloropropene-	7.67	79	106030	45.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.58%
47) 2-Hexanone-d5	8.14	63	220076	102.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.14%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	333789	44.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.92%
64) 1,2-Dichlorobenzene-d4	11.68	152	242147	54.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.88%

Target Compounds

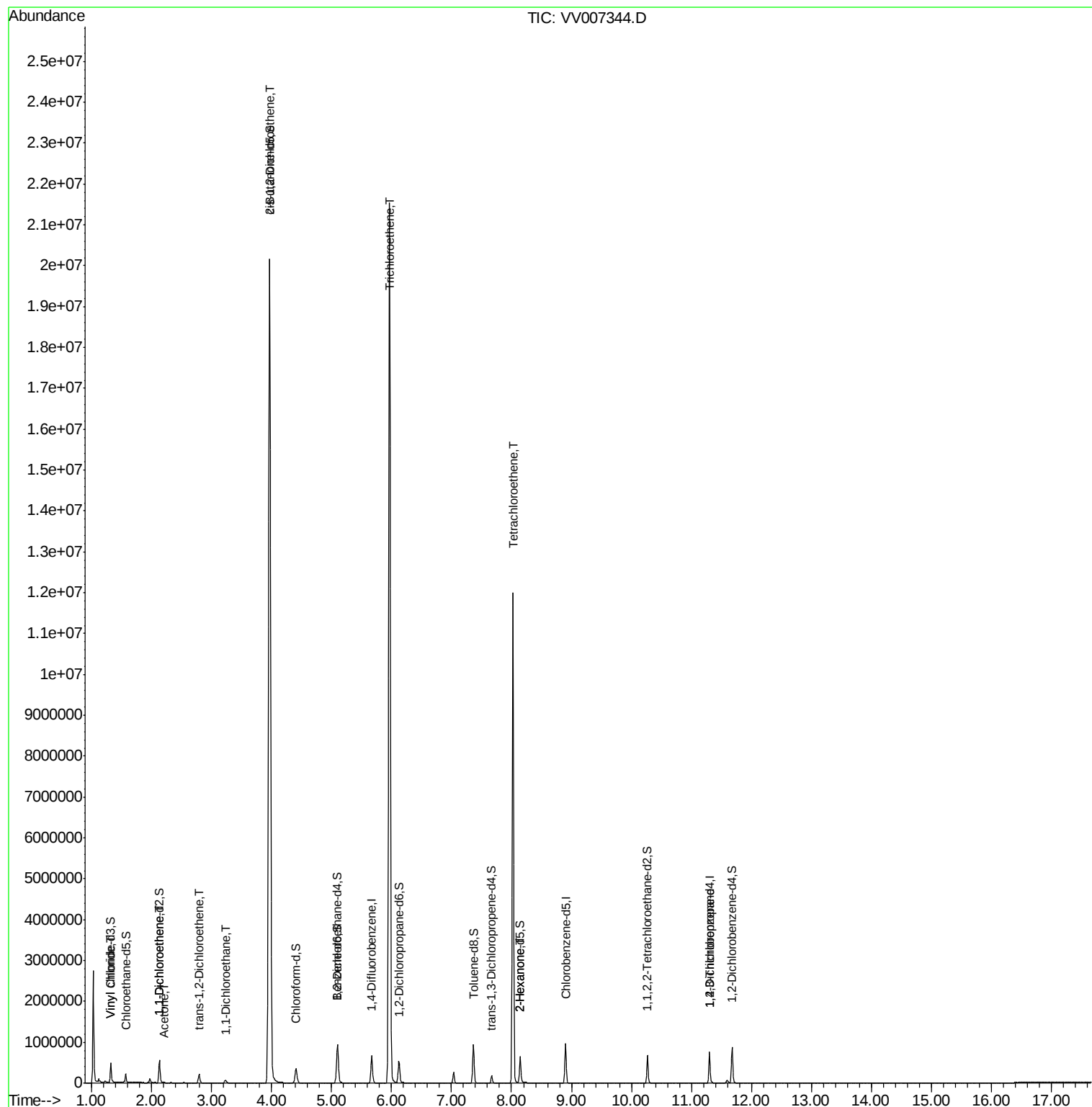
						Qvalue
5) Vinyl chloride	1.32	62	157278	32.440	ug/L	100
12) 1,1-Dichloroethene	2.14	96	32277	8.985	ug/L #	1
13) Acetone	2.21	43	4956	2.522	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	81517	20.802	ug/L	99
19) 1,1-Dichloroethane	3.23	63	75767	9.335	ug/L	98
20) cis-1,2-Dichloroethene	3.97	96	11638977	2581.002	ug/L	97
34) Trichloroethene	5.97	95	7447986	1752.722	ug/L	98
46) Tetrachloroethene	8.03	164	2763408	808.739	ug/L	98
48) 2-Hexanone	8.14	43	24259	5.629	ug/L #	70
59) 1,2,3-Trichloropropane	11.30	75	23954	4.210	ug/L	96

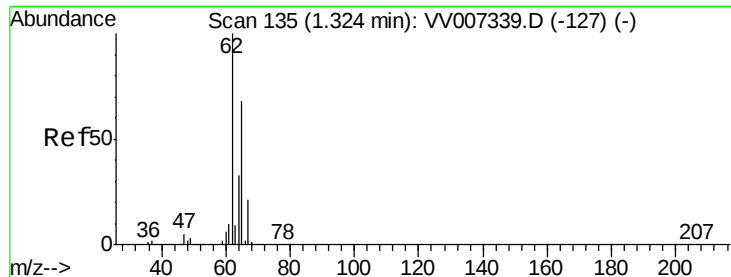
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 05 01:26:02 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 32.440 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007344.D

Acq: 04 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

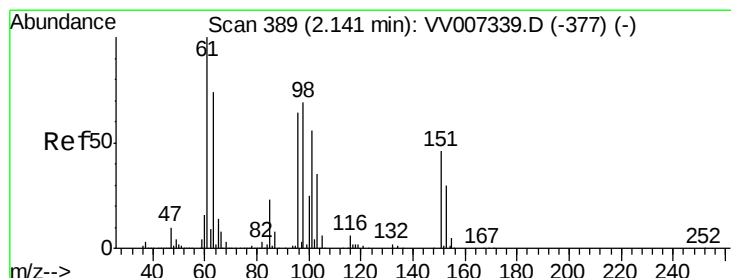
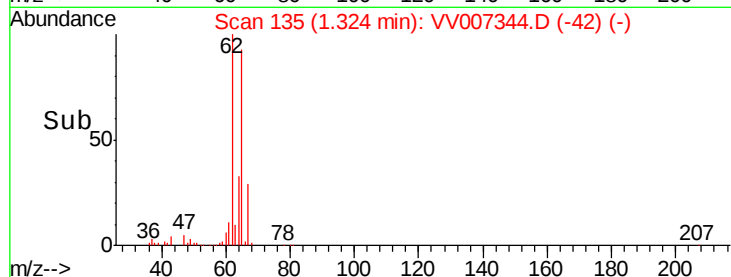
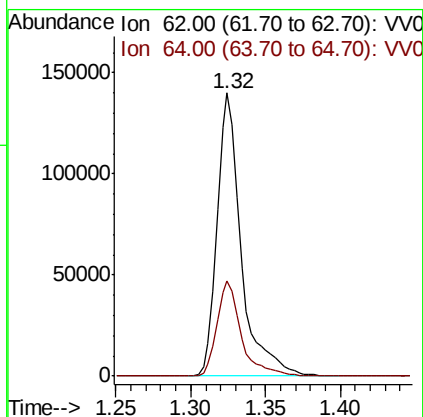
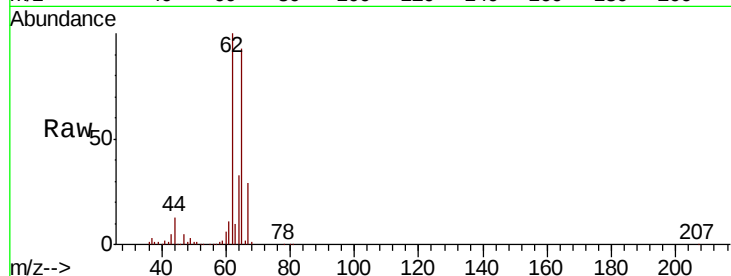
E0AB8

Tgt Ion: 62 Resp: 157278

Ion Ratio Lower Upper

62 100

64 33.5 23.2 43.2



#12

1,1-Dichloroethene

Concen: 8.985 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007344.D

Acq: 04 Sep 2018 22:27

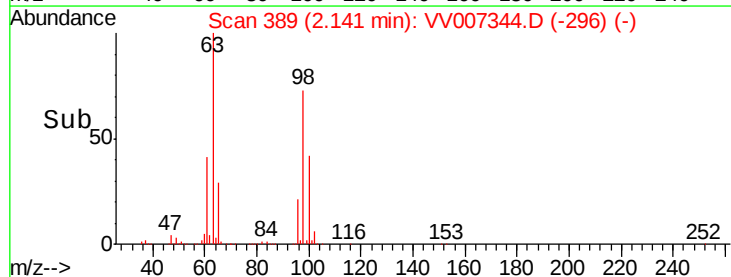
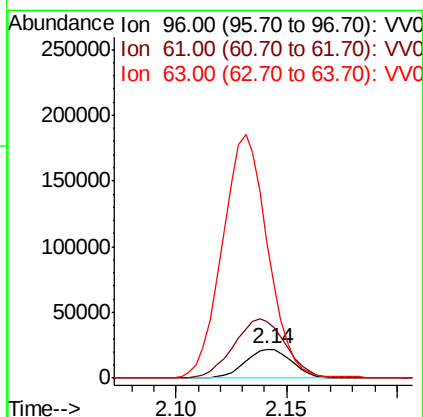
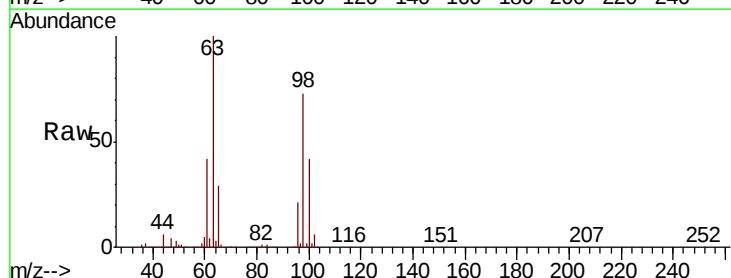
Tgt Ion: 96 Resp: 32277

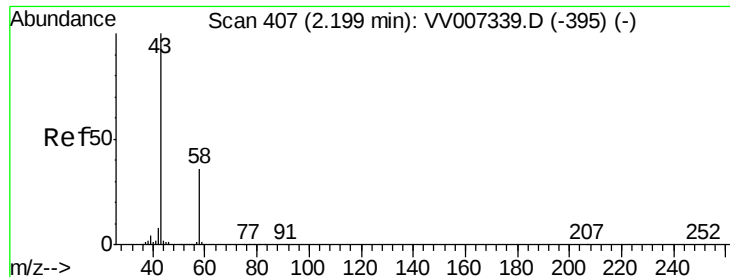
Ion Ratio Lower Upper

96 100

61 200.4 108.6 201.8

63 482.2 81.5 151.3#





#13

Acetone

Concen: 2.522 ug/L

RT: 2.21 min Scan# 409

Delta R.T. 0.01 min

Lab File: VV007344.D

Acq: 04 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

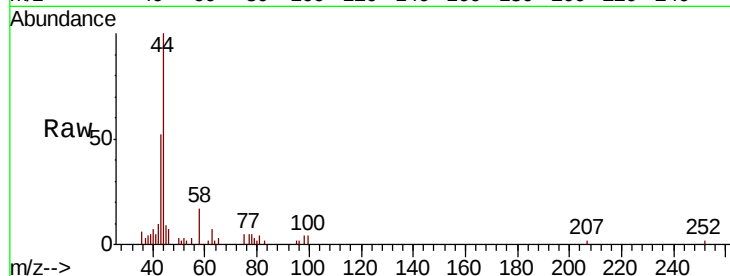
E0AB8

Tgt Ion: 43 Resp: 4956

Ion Ratio Lower Upper

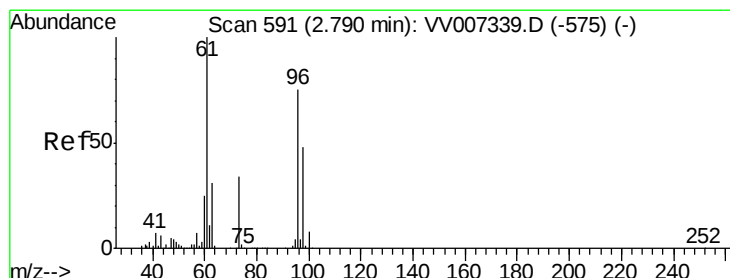
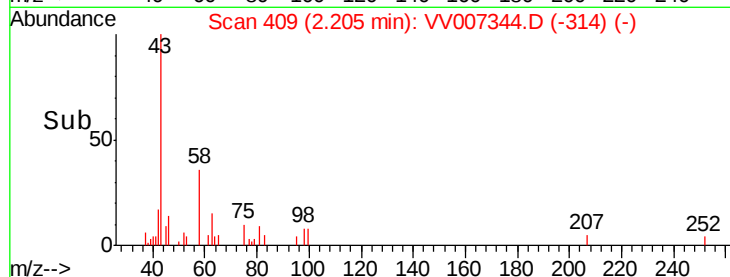
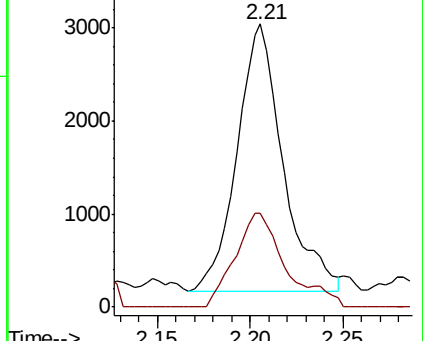
43 100

58 35.3 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VV007339.D (-395) (-)

Ion 58.00 (57.70 to 58.70): VV007339.D (-395) (-)



#17

trans-1,2-Dichloroethene

Concen: 20.802 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007344.D

Acq: 04 Sep 2018 22:27

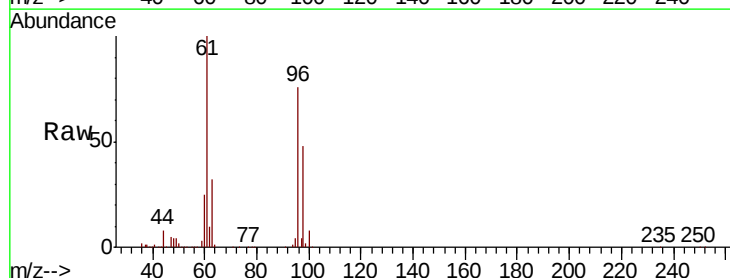
Tgt Ion: 96 Resp: 81517

Ion Ratio Lower Upper

96 100

61 132.1 93.1 172.9

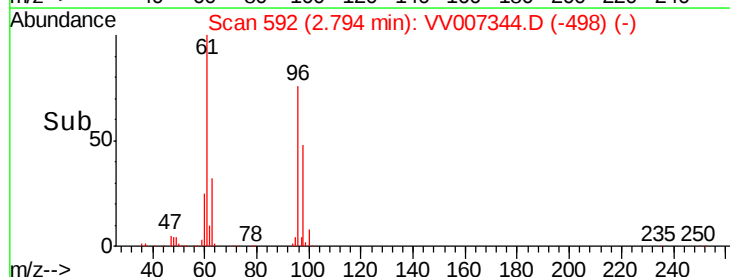
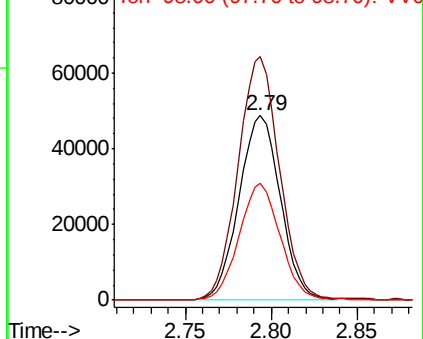
98 63.2 44.9 83.5

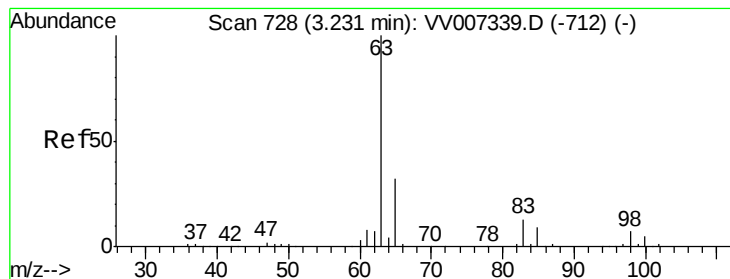


Abundance Ion 96.00 (95.70 to 96.70): VV007339.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VV007339.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VV007339.D (-575) (-)





#19

1,1-Dichloroethane

Concen: 9.335 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV007344.D

Acq: 04 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

E0AB8

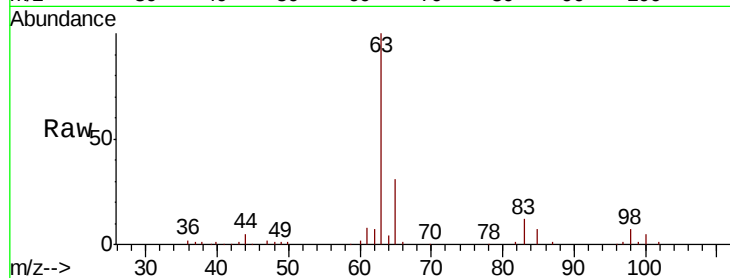
Tgt Ion: 63 Resp: 75767

Ion Ratio Lower Upper

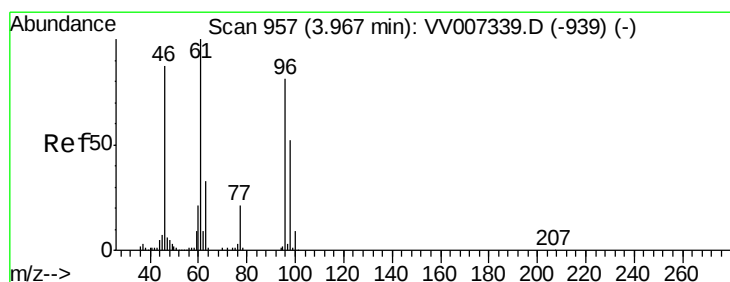
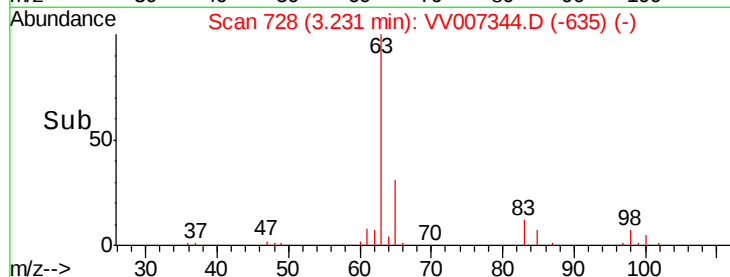
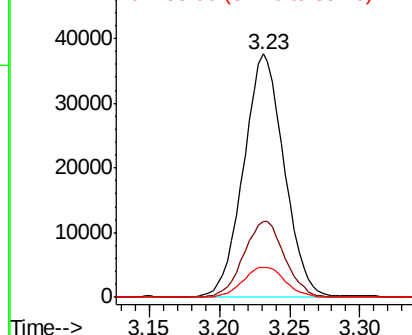
63 100

65 31.2 22.5 41.9

83 12.4 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 2581.002 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV007344.D

Acq: 04 Sep 2018 22:27

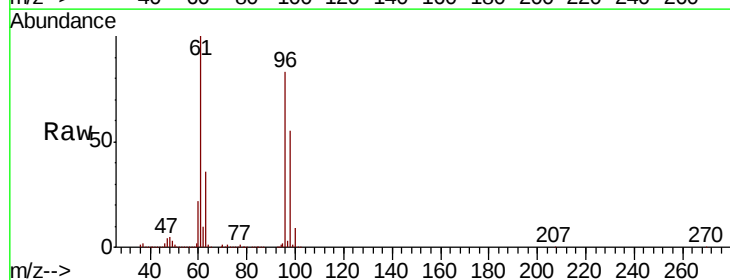
Tgt Ion: 96 Resp: 11638977

Ion Ratio Lower Upper

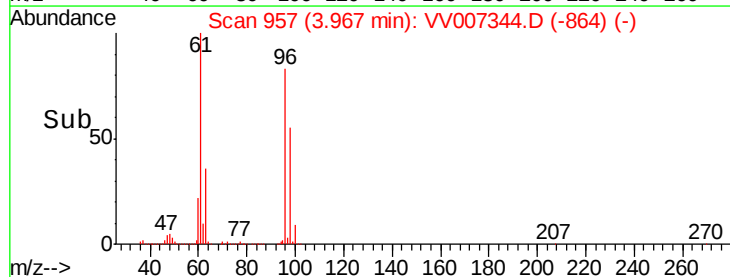
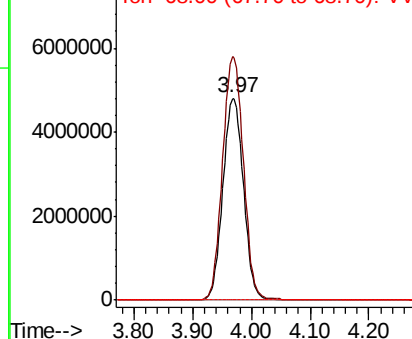
96 100

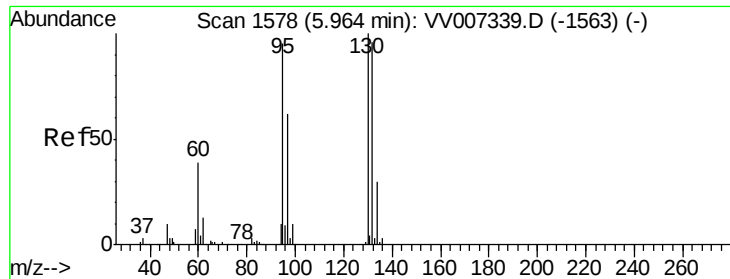
61 120.7 86.8 161.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#34

Trichloroethene

Concen: 1752.722 ug/L

RT: 5.97 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VV007344.D

Acq: 04 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

E0AB8

Tgt Ion: 95 Resp: 7447986

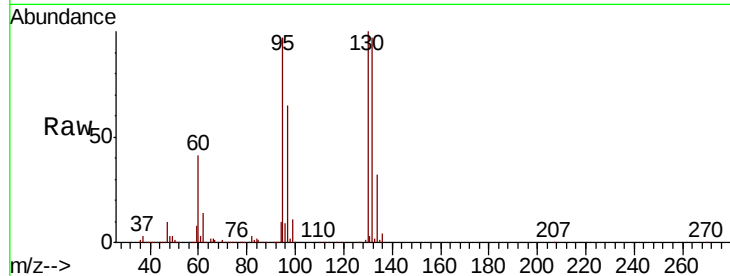
Ion Ratio Lower Upper

95 100

97 66.4 46.1 85.7

132 99.1 70.8 131.6

130 102.7 73.9 137.3



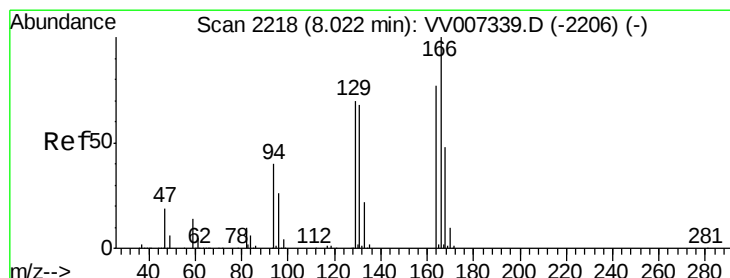
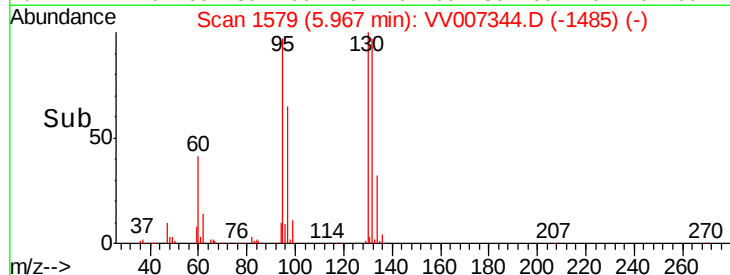
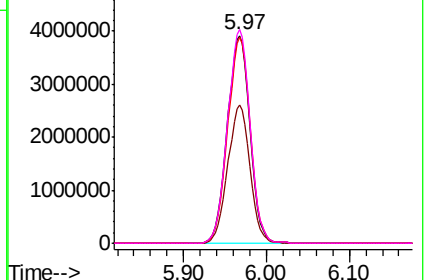
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 808.739 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VV007344.D

Acq: 04 Sep 2018 22:27

Tgt Ion: 164 Resp: 2763408

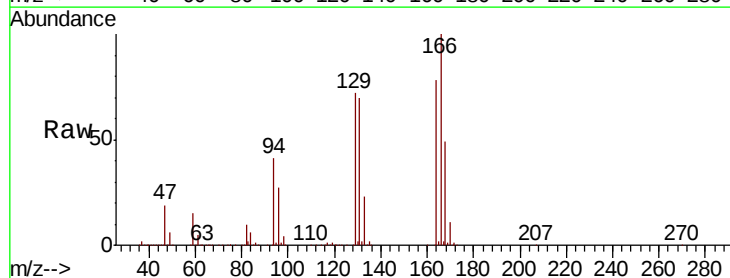
Ion Ratio Lower Upper

164 100

129 91.7 63.9 118.7

131 88.7 62.6 116.2

166 127.5 91.6 170.2



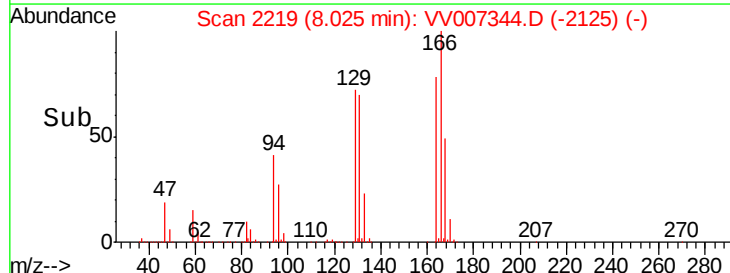
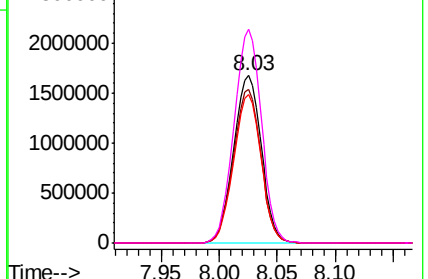
Abundance

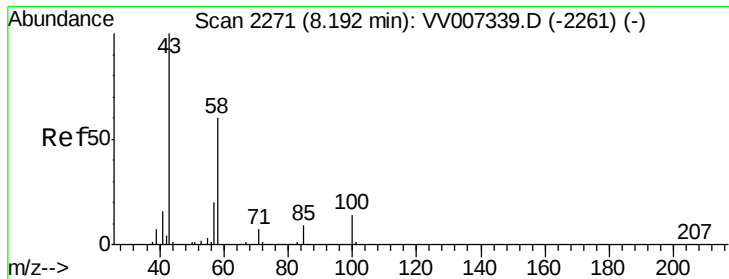
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

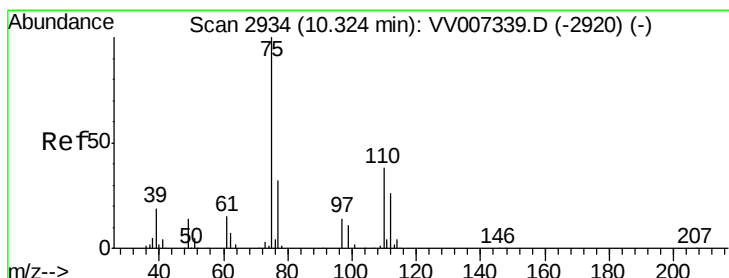
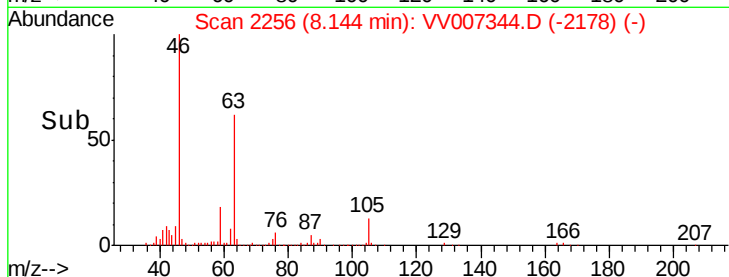
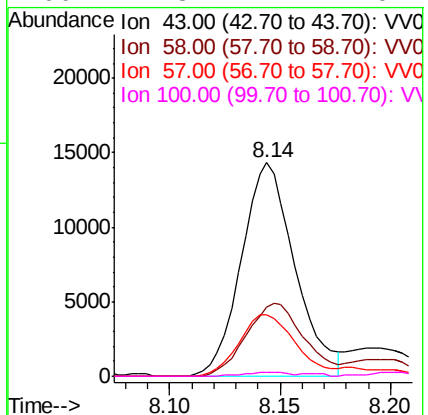
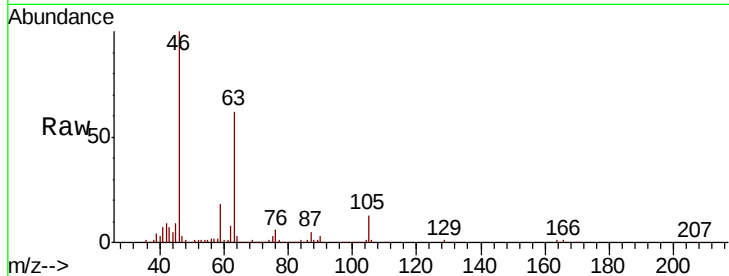




#48
2-Hexanone
Concen: 5.629 ug/L
RT: 8.14 min Scan# 2256
Delta R.T. -0.05 min
Lab File: VV007344.D
Acq: 04 Sep 2018 22:27

Instrument :
MSVOA_V
ClientSampleId :
E0AB8

Tgt Ion: 43 Resp: 24259
Ion Ratio Lower Upper
43 100
58 36.6 48.6 72.8#
57 30.5 16.2 24.2#
100 1.3 11.1 16.7#



#59
1,2,3-Trichloropropane
Concen: 4.210 ug/L
RT: 11.30 min Scan# 3238
Delta R.T. 0.98 min
Lab File: VV007344.D
Acq: 04 Sep 2018 22:27

Tgt Ion: 75 Resp: 23954
Ion Ratio Lower Upper
75 100
77 34.2 25.5 38.3

