

Data File : VV011956.D
Acq On : 22 Jul 2019 19:12
Operator : SY/MD
Sample : K3823-19 50X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52J8

Quant Time: Jul 23 07:22:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 23 07:18:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	137774	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	133515	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63701	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33728	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.59	69	26702	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.13	63	53787	3.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.40%
20) 2-Butanone-d5	3.96	46	105082	50.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.40%
24) Chloroform-d	4.40	84	88225	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.08	65	49000	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.10	84	180284	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.12	67	51110	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.36	98	158358	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	7.67	79	19727	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.13	63	85870	49.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.90%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35528	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	63501	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

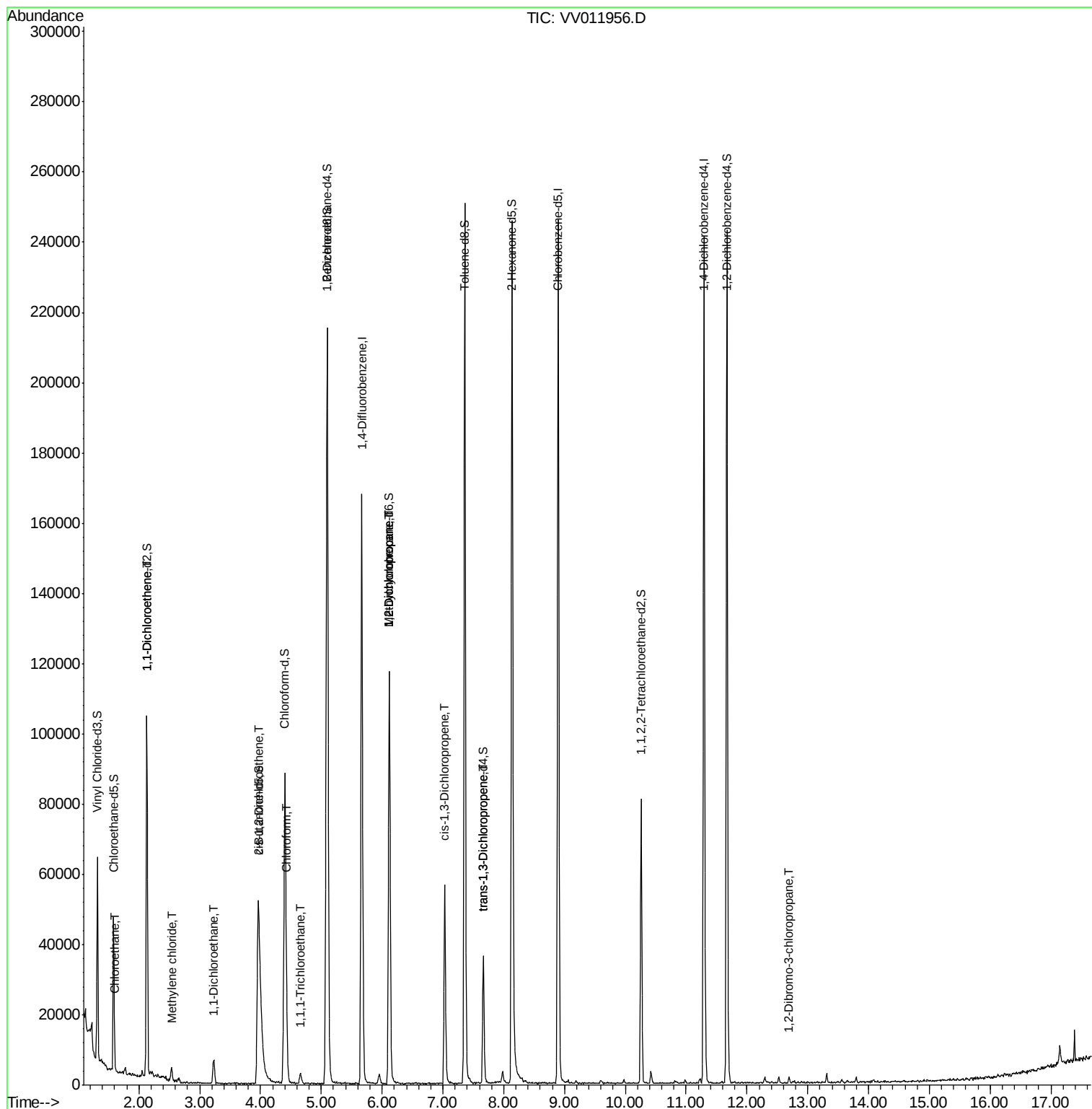
					Qvalue
8) Chloroethane	1.61	64	502	0.100 ug/L #	43
12) 1,1-Dichloroethene	2.13	96	643	0.103 ug/L #	1
16) Methylene chloride	2.53	84	1337	0.190 ug/L	80
19) 1,1-Dichloroethane	3.23	63	6422	0.372 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	1007	0.096 ug/L	84
25) Chloroform	4.43	83	7176	0.345 ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	2451	0.143 ug/L #	83
35) Methylcyclohexane	6.12	83	13470	0.794 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	6420	0.680 ug/L #	84
39) cis-1,3-Dichloropropene	7.04	75	1524	0.109 ug/L #	49
44) trans-1,3-Dichloropropene	7.66	75	1113	0.100 ug/L	91
66) 1,2-Dibromo-3-chloropropan	12.69	75	112	0.101 ug/L #	1

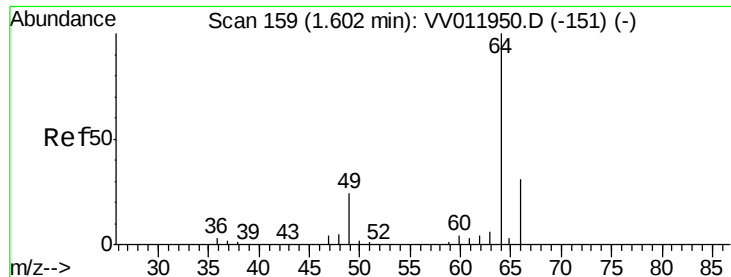
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 23 07:18:43 2019
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#8

Chloroethane

Concen: 0.100 ug/L

RT: 1.61 min Scan# 161

Delta R.T. 0.01 min

Lab File: VV011956.D

Acq: 22 Jul 2019 19:12

Instrument :

MSVOA_V

ClientSampleId :

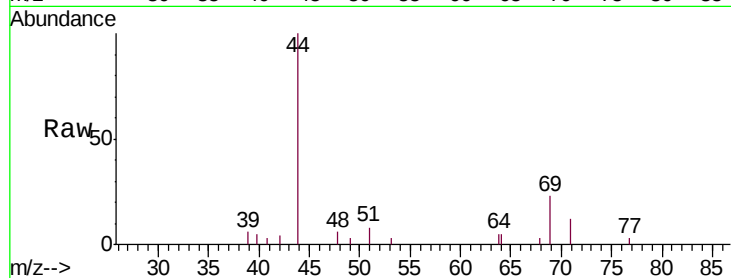
A52J8

Tgt Ion: 64 Resp: 502

Ion Ratio Lower Upper

64 100

66 0.0 21.8 40.6#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.61

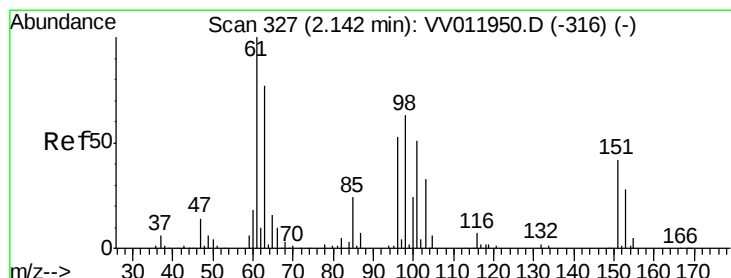
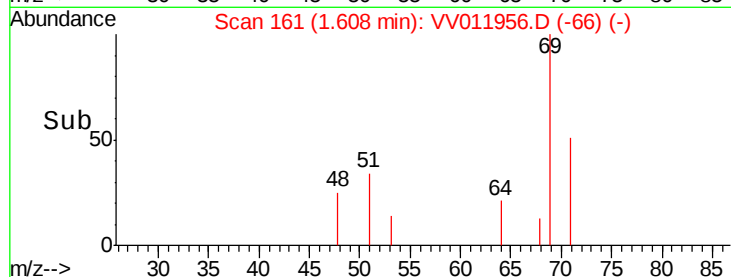
300

200

100

0

Time--> 1.56 1.58 1.60 1.62



#12

1,1-Dichloroethene

Concen: 0.103 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV011956.D

Acq: 22 Jul 2019 19:12

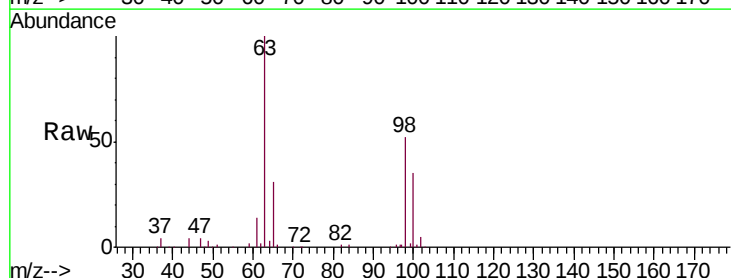
Tgt Ion: 96 Resp: 643

Ion Ratio Lower Upper

96 100

61 935.9 132.7 246.5#

63 6671.8 104.0 193.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

50000

40000

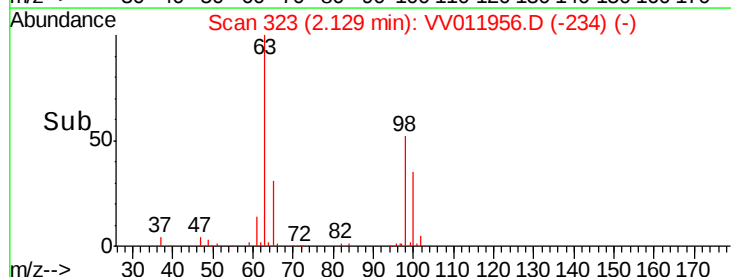
30000

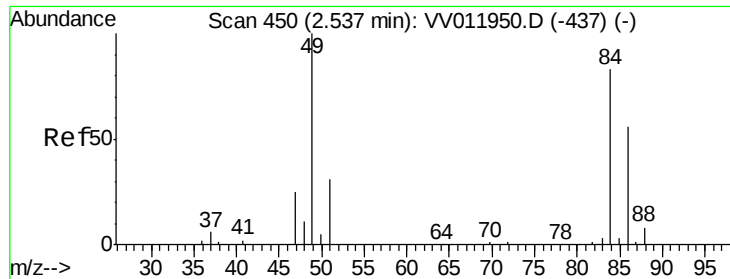
20000

10000

0

Time--> 2.10 2.12 2.14 2.16

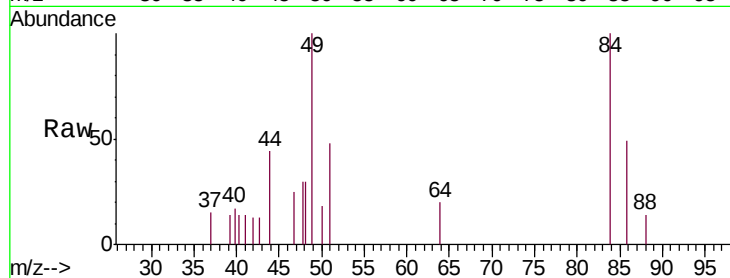




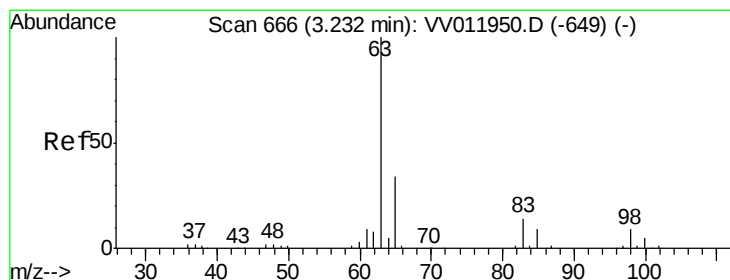
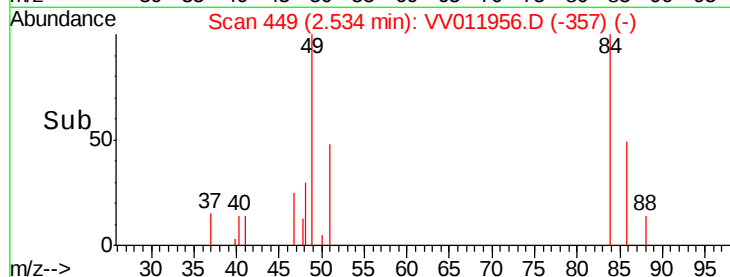
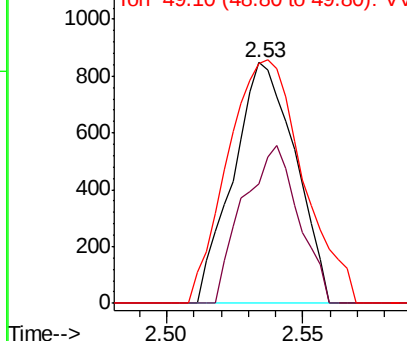
#16
Methylene chloride
Concen: 0.190 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV011956.D
Acq: 22 Jul 2019 19:12

Instrument :
MSVOA_V
ClientSampled :
A52J8

Tgt Ion: 84 Resp: 1337
Ion Ratio Lower Upper
84 100
86 49.5 47.6 88.4
49 99.5 84.3 156.5

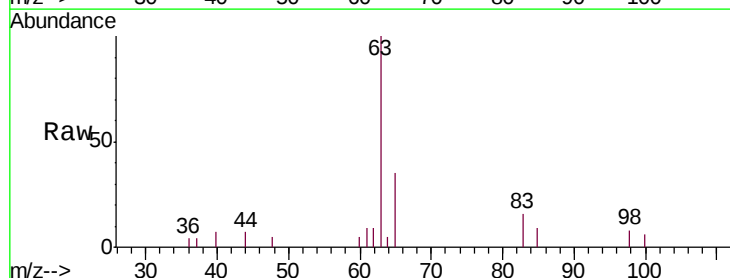


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

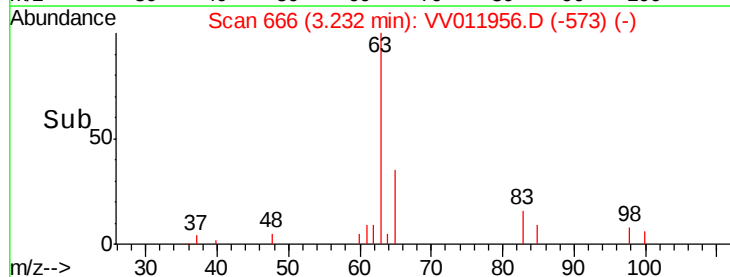
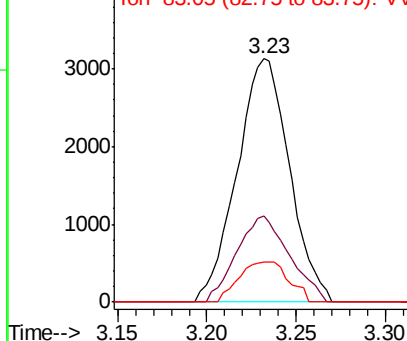


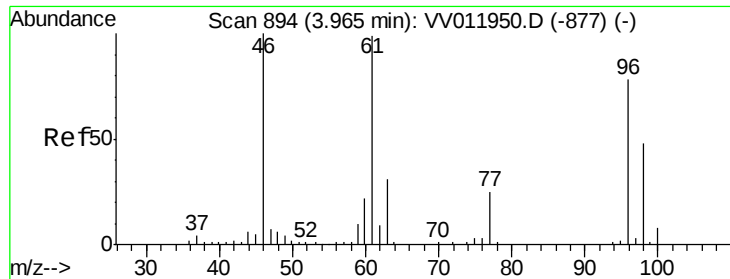
#19
1,1-Dichloroethane
Concen: 0.372 ug/L
RT: 3.23 min Scan# 666
Delta R.T. -0.00 min
Lab File: VV011956.D
Acq: 22 Jul 2019 19:12

Tgt Ion: 63 Resp: 6422
Ion Ratio Lower Upper
63 100
65 33.9 23.5 43.7
83 15.6 9.7 18.1



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



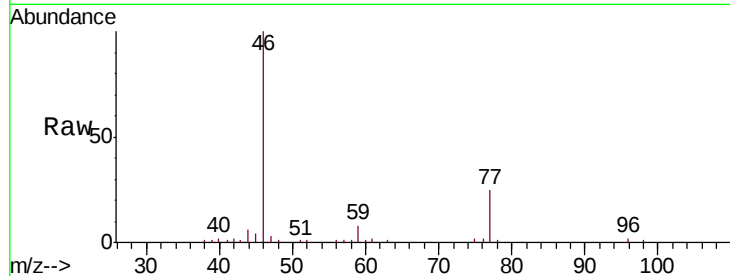


#22

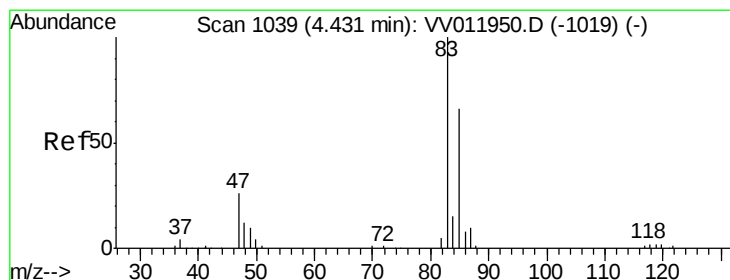
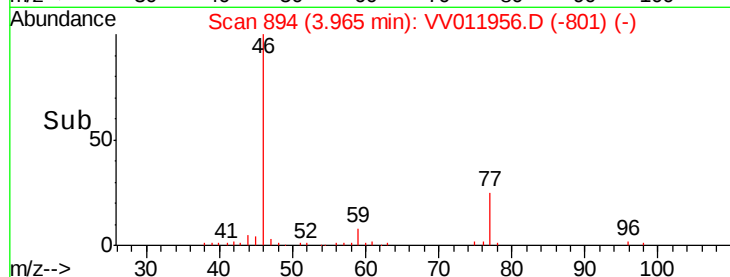
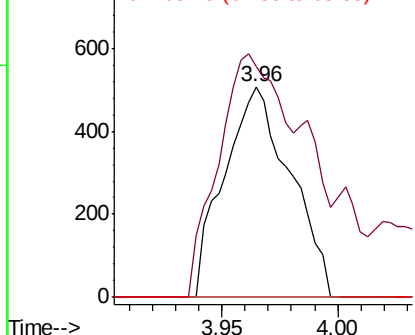
cis-1,2-Dichloroethene
 Concen: 0.096 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV011956.D
 Acq: 22 Jul 2019 19:12

Instrument :
 MSVOA_V
 ClientSampleId :
 A52J8

Tgt Ion: 96 Resp: 1007
 Ion Ratio Lower Upper
 96 100
 61 109.3 89.0 165.2
 68 0.0 0.0 0.0



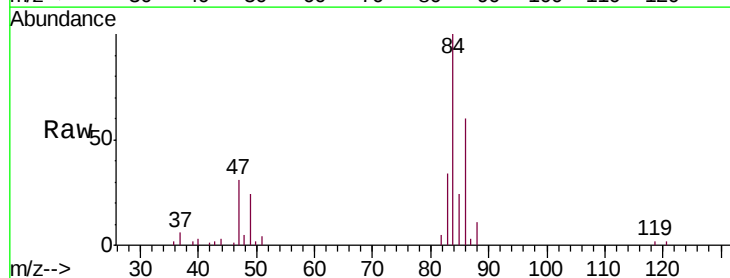
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



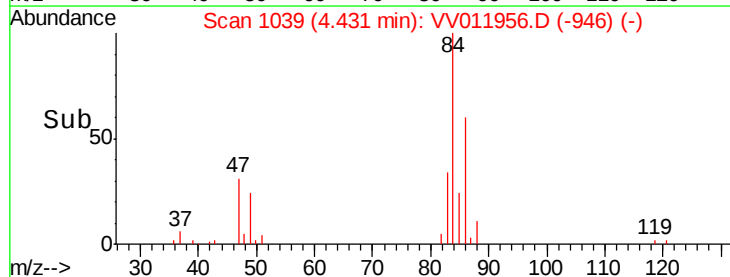
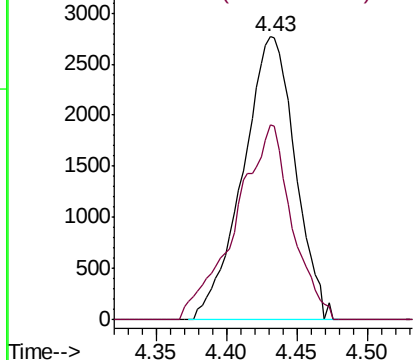
#25

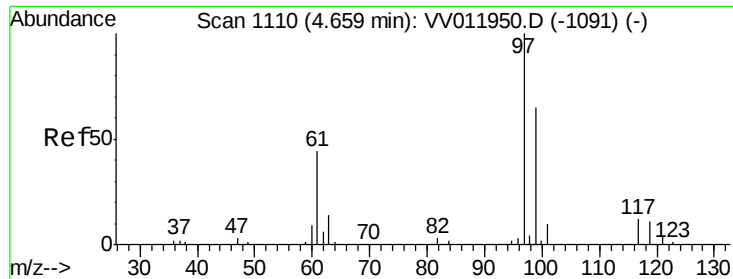
Chloroform
 Concen: 0.345 ug/L
 RT: 4.43 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VV011956.D
 Acq: 22 Jul 2019 19:12

Tgt Ion: 83 Resp: 7176
 Ion Ratio Lower Upper
 83 100
 85 69.1 46.5 86.3



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0

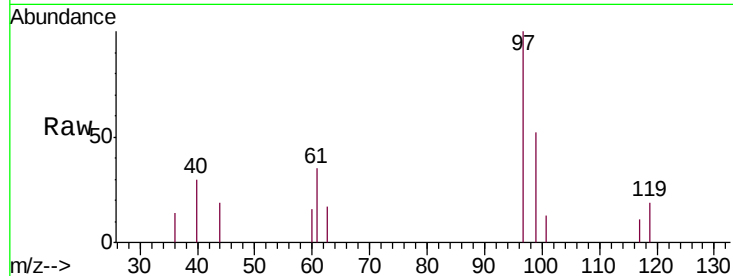




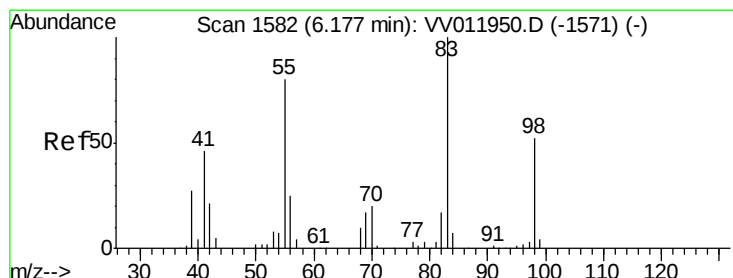
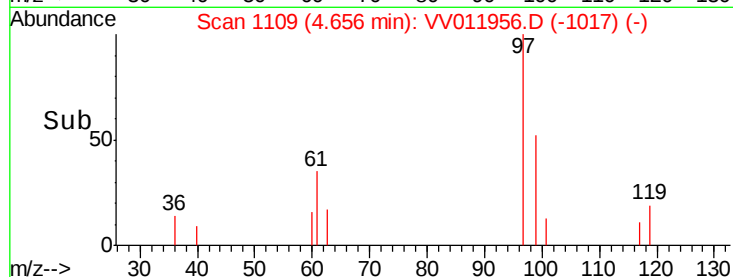
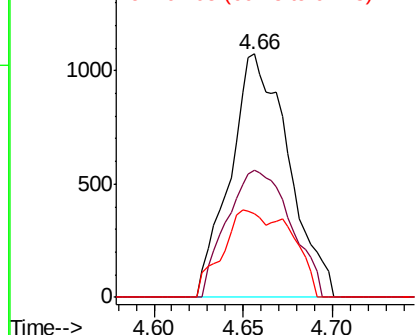
#29
 1,1,1-Trichloroethane
 Concen: 0.143 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV011956.D
 Acq: 22 Jul 2019 19:12

Instrument :
 MSVOA_V
 ClientSampleID :
 A52J8

Tgt Ion: 97 Resp: 2451
 Ion Ratio Lower Upper
 97 100
 99 57.2 51.7 77.5
 61 25.3 35.1 52.7#

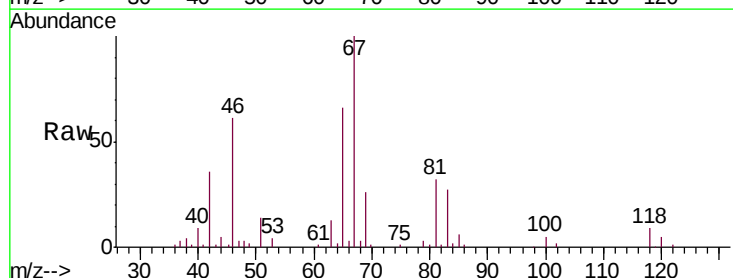


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

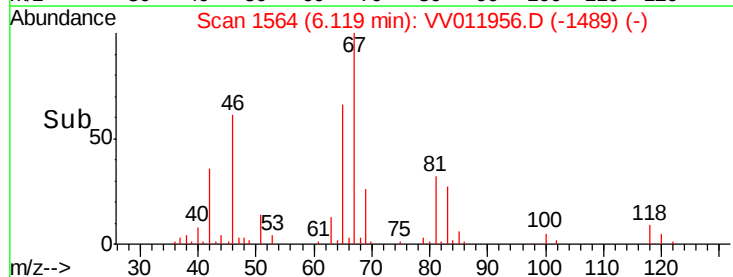
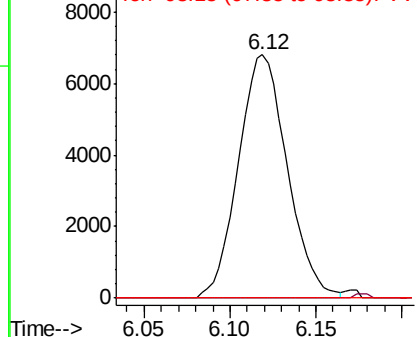


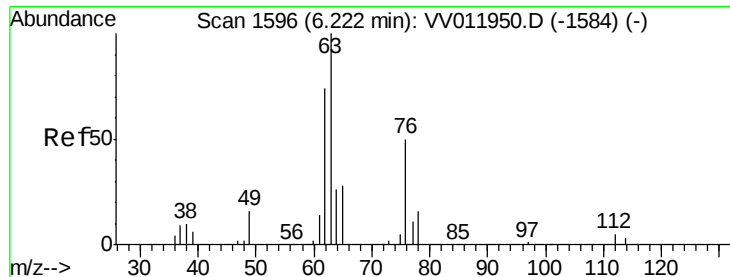
#35
 Methylcyclohexane
 Concen: 0.794 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.06 min
 Lab File: VV011956.D
 Acq: 22 Jul 2019 19:12

Tgt Ion: 83 Resp: 13470
 Ion Ratio Lower Upper
 83 100
 55 0.5 63.0 94.4#
 98 1.6 41.4 62.0#



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

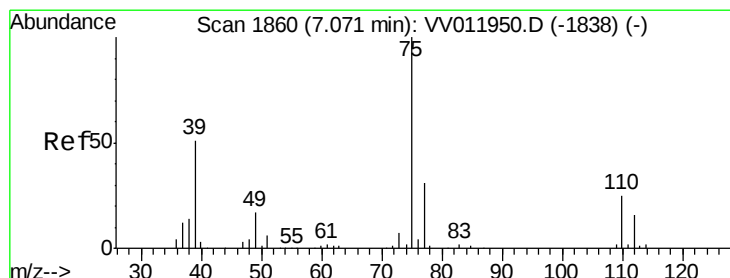
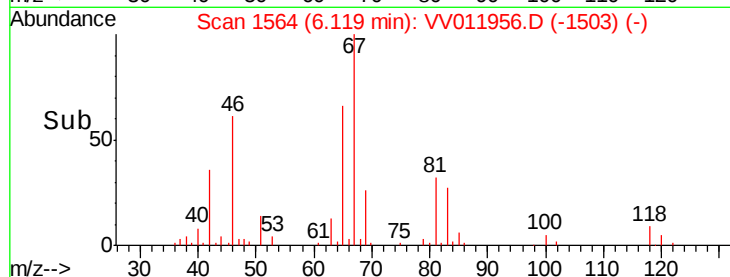
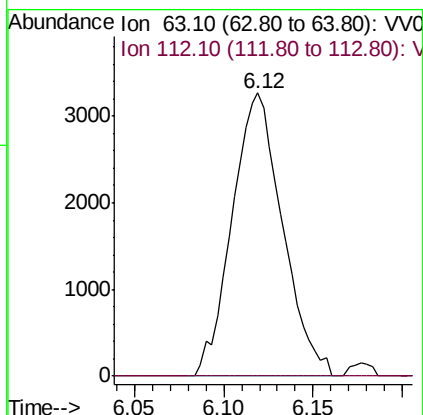
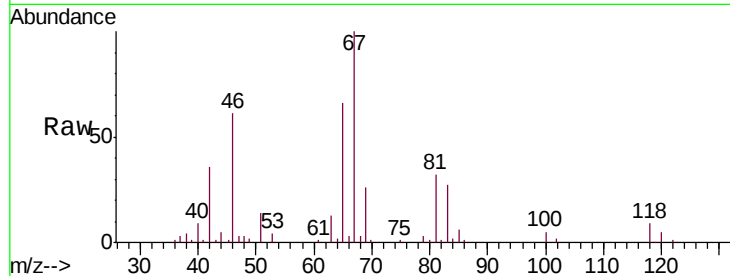




#37
 1,2-Dichloropropane
 Concen: 0.680 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV011956.D
 Acq: 22 Jul 2019 19:12

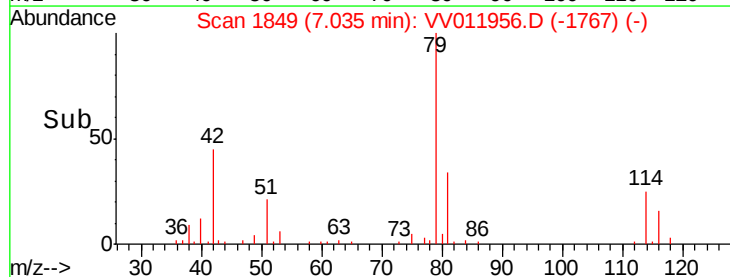
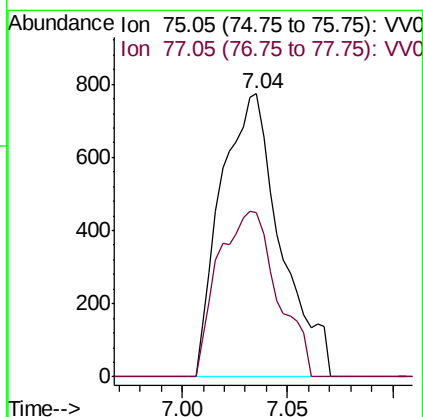
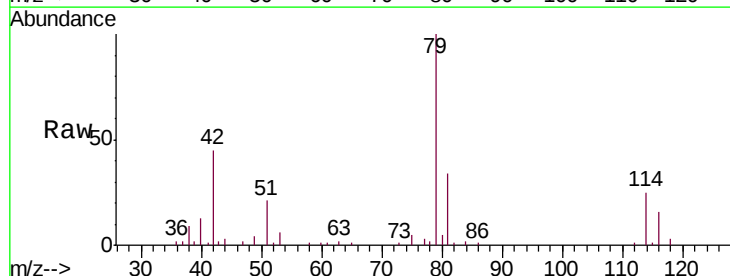
Instrument :
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 A52J8

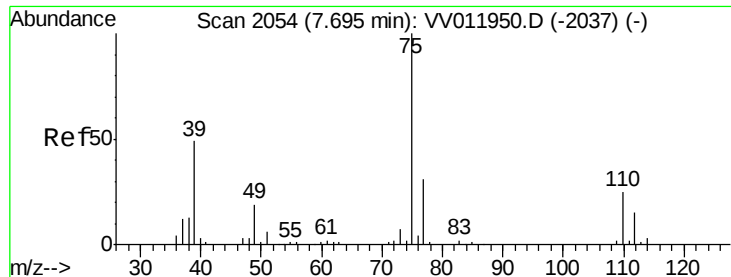
Tgt Ion: 63 Resp: 6420
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV011956.D
 Acq: 22 Jul 2019 19:12

Tgt Ion: 75 Resp: 1524
 Ion Ratio Lower Upper
 75 100
 77 58.1 21.3 39.6#





#44

trans-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011956.D

Acq: 22 Jul 2019 19:12

Instrument :

MSVOA_V

ClientSampled :

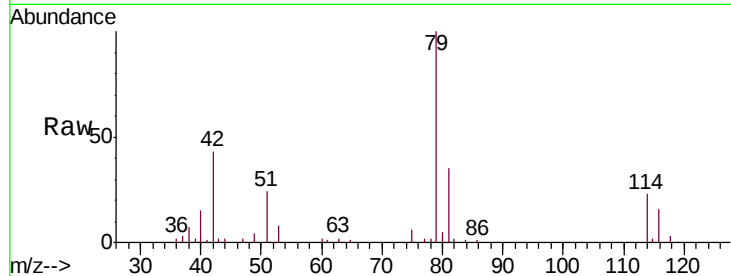
A52J8

Tgt Ion: 75 Resp: 1113

Ion Ratio Lower Upper

75 100

77 36.2 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

800

600

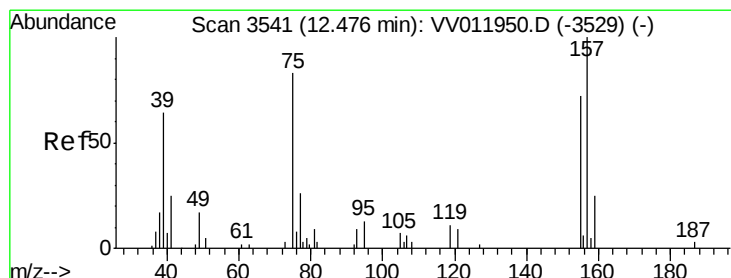
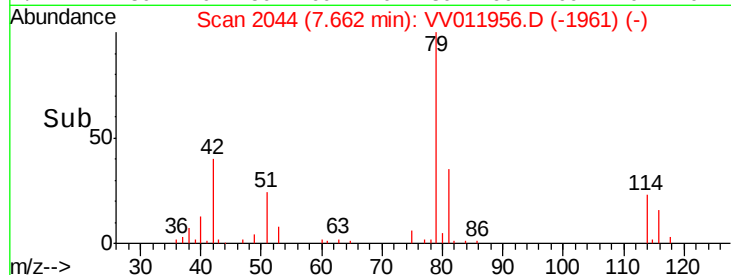
400

200

0

7.65 7.66 7.67 7.68 7.69 7.70

Time-->



#66

1,2-Dibromo-3-chloropropane

Concen: 0.101 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.22 min

Lab File: VV011956.D

Acq: 22 Jul 2019 19:12

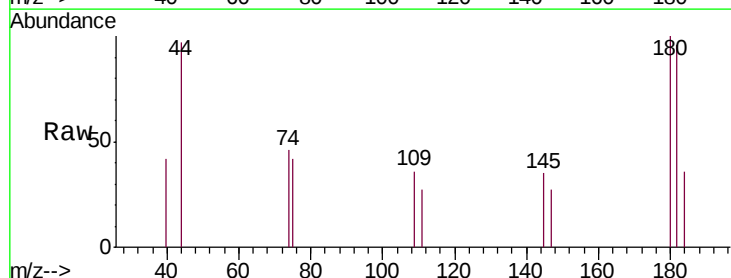
Tgt Ion: 75 Resp: 112

Ion Ratio Lower Upper

75 100

155 0.0 69.5 104.3#

157 0.0 96.2 144.2#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

200

150

100

50

0

12.68 12.69 12.70

Time-->

