

Data File : VV011969.D
Acq On : 23 Jul 2019 17:26
Operator : SY/MD
Sample : K3823-08DL 200X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52K8DL

Quant Time: Jul 24 05:56:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 05:52:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	160990	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	152801	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	76580	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36856	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.59	69	29998	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.13	63	60056	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	3.96	46	116133	47.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.96%
24) Chloroform-d	4.40	84	92143	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
26) 1,2-Dichloroethane-d4	5.08	65	53103	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.10	84	199671	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.12	67	56956	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.36	98	181328	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.67	79	21392	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.13	63	92149	46.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.72%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39114	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	72142	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

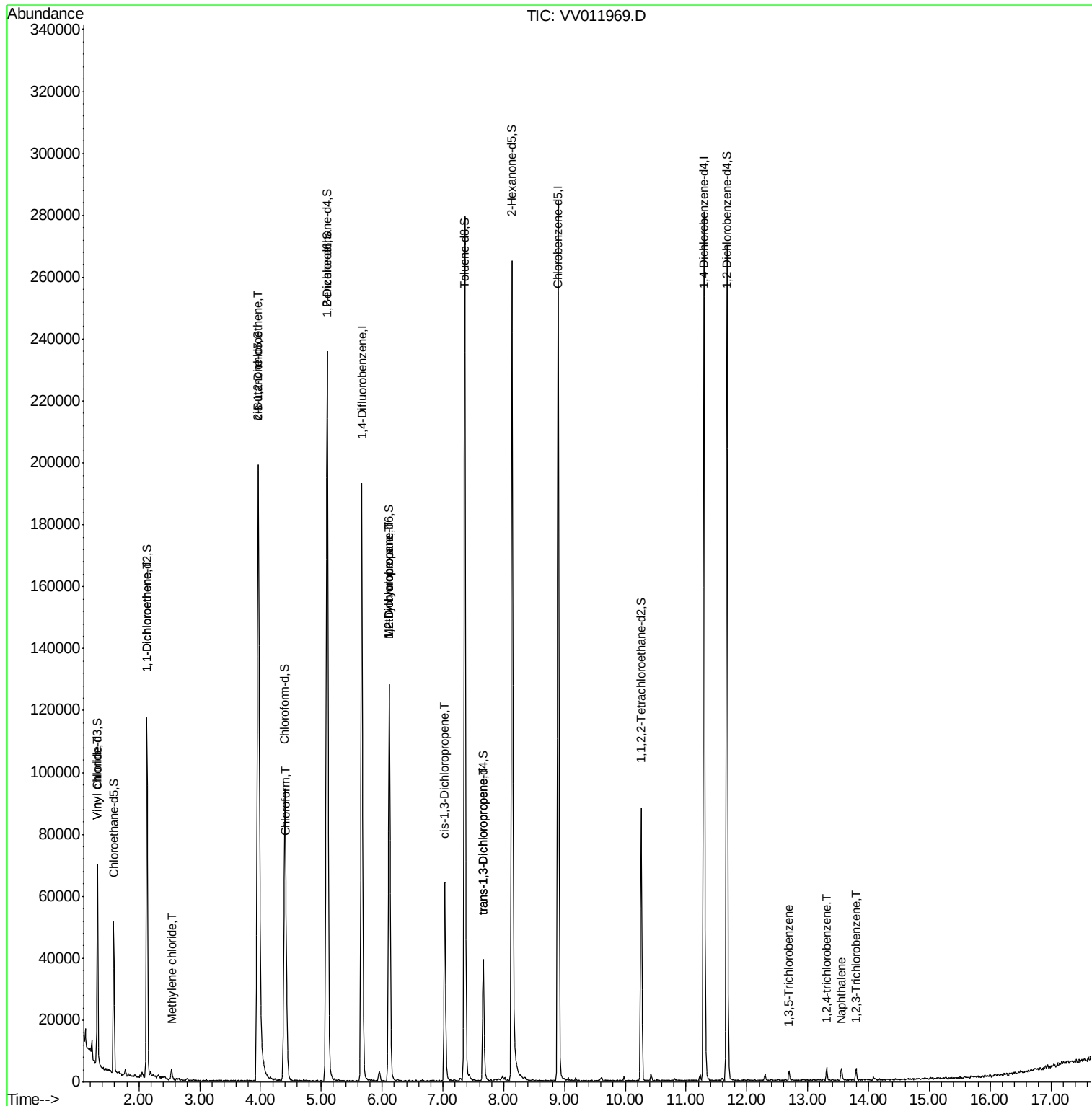
					Qvalue
5) Vinyl chloride	1.32	62	867	0.088 ug/L #	6
12) 1,1-Dichloroethene	2.14	96	830	0.113 ug/L #	1
16) Methylene chloride	2.54	84	1254	0.153 ug/L	82
22) cis-1,2-Dichloroethene	3.96	96	78101	6.369 ug/L	96
25) Chloroform	4.43	83	10676	0.439 ug/L	91
35) Methylcyclohexane	6.12	83	14998	0.772 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	7520	0.696 ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1650	0.103 ug/L #	58
44) trans-1,3-Dichloropropene	7.66	75	1321	0.104 ug/L	83
67) 1,3,5-Trichlorobenzene	12.69	180	1145	0.055 ug/L	88
68) 1,2,4-trichlorobenzene	13.31	180	1537	0.090 ug/L	97
69) Naphthalene	13.55	128	3189	0.124 ug/L	96
70) 1,2,3-Trichlorobenzene	13.79	180	1365	0.088 ug/L	94

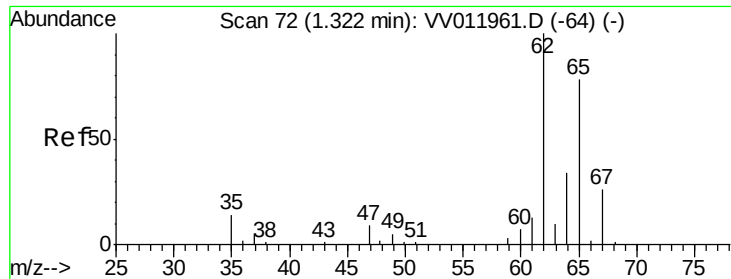
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.088 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV011969.D

Acq: 23 Jul 2019 17:26

Instrument :

MSVOA_V

ClientSampleId :

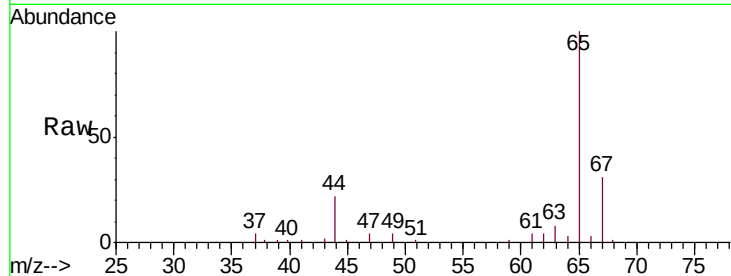
A52K8DL

Tgt Ion: 62 Resp: 867

Ion Ratio Lower Upper

62 100

64 89.0 24.3 45.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

1000

800

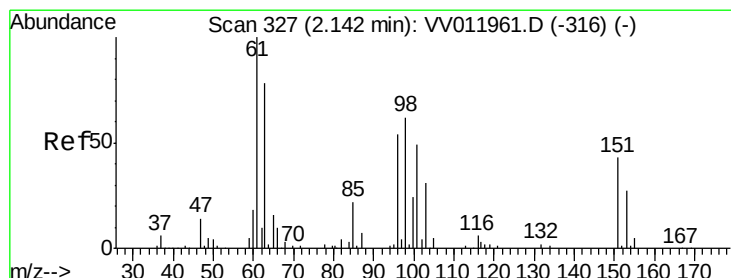
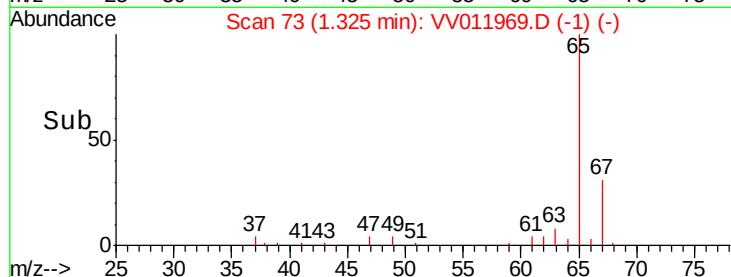
600

400

200

0

Time--> 1.30 1.32 1.34



#12

1,1-Dichloroethene

Concen: 0.113 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV011969.D

Acq: 23 Jul 2019 17:26

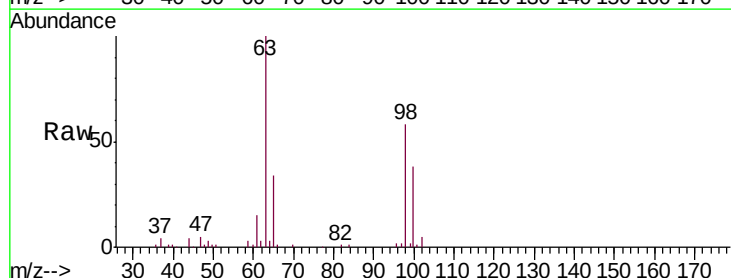
Tgt Ion: 96 Resp: 830

Ion Ratio Lower Upper

96 100

61 692.3 132.7 246.5#

63 4700.6 104.0 193.1#



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

60000

50000

40000

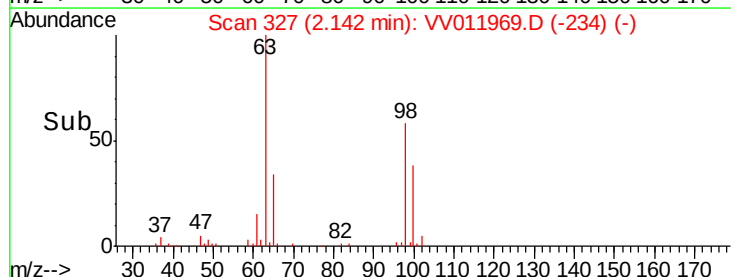
30000

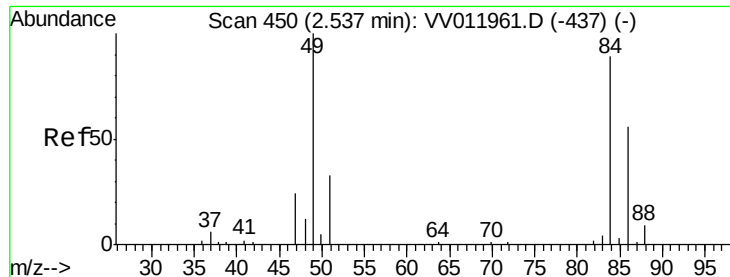
20000

10000

0

Time--> 2.10 2.15

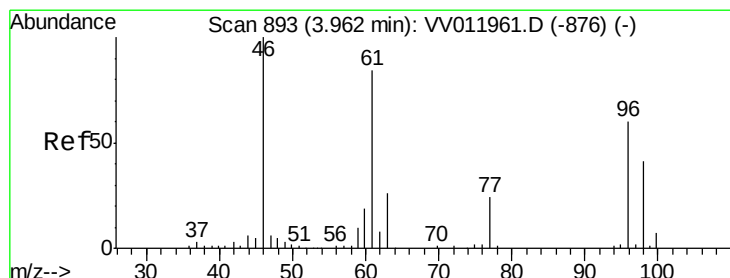
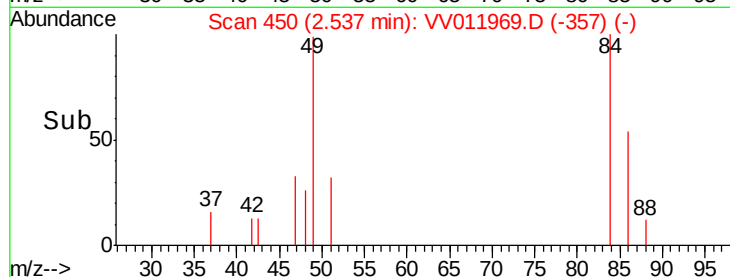
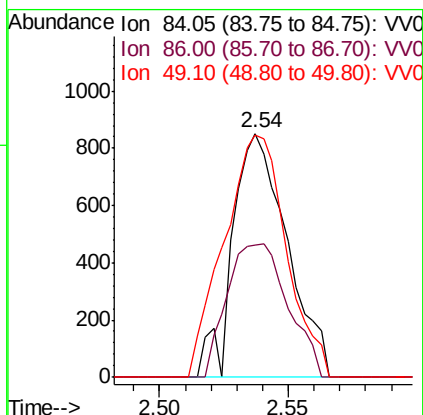
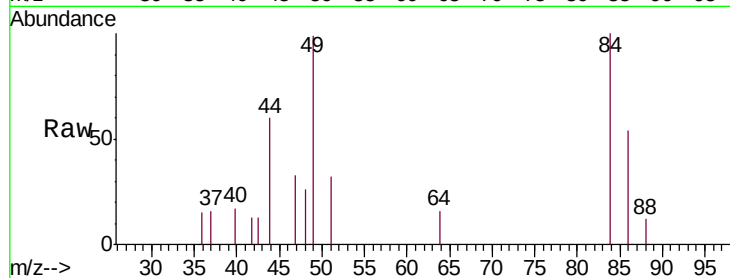




#16
Methylene chloride
Concen: 0.153 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV011969.D
Acq: 23 Jul 2019 17:26

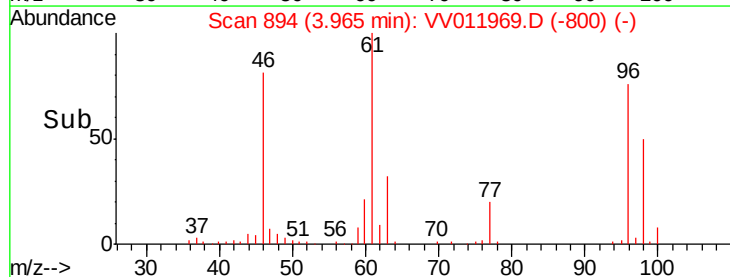
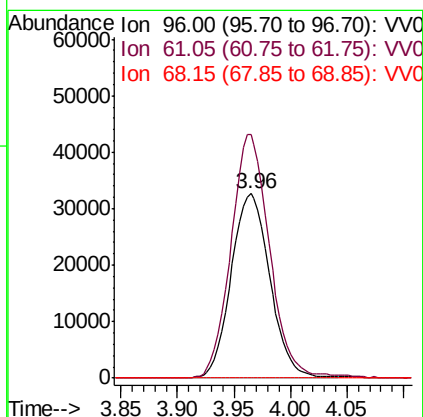
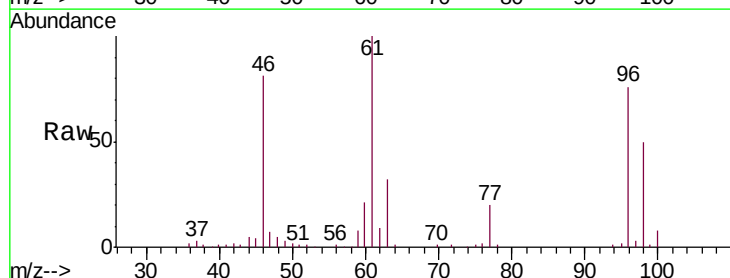
Instrument :
MSVOA_V
ClientSampled :
A52K8DL

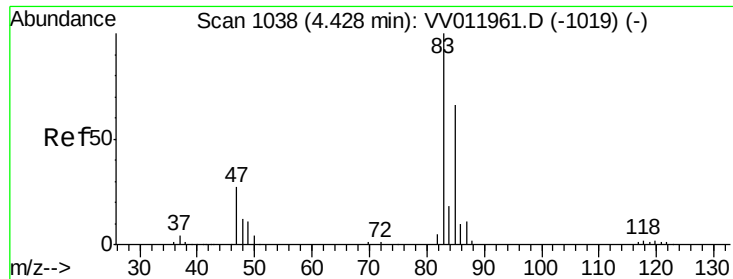
Tgt Ion: 84 Resp: 1254
Ion Ratio Lower Upper
84 100
86 54.2 47.6 88.4
49 99.3 84.3 156.5



#22
cis-1,2-Dichloroethene
Concen: 6.369 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV011969.D
Acq: 23 Jul 2019 17:26

Tgt Ion: 96 Resp: 78101
Ion Ratio Lower Upper
96 100
61 132.0 89.0 165.2
68 0.0 0.0 0.0

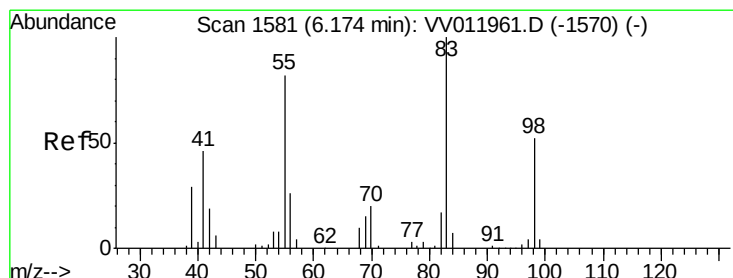
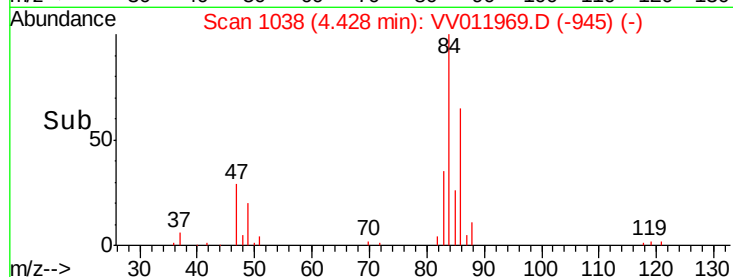
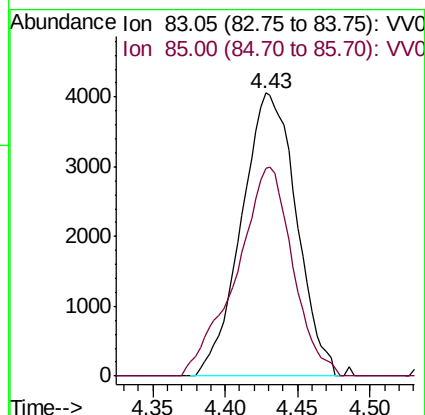
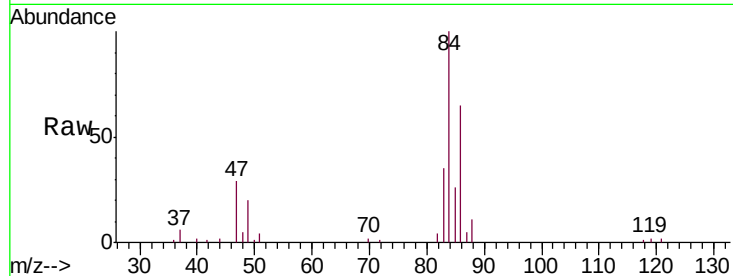




#25
Chloroform
Concen: 0.439 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011969.D
Acq: 23 Jul 2019 17:26

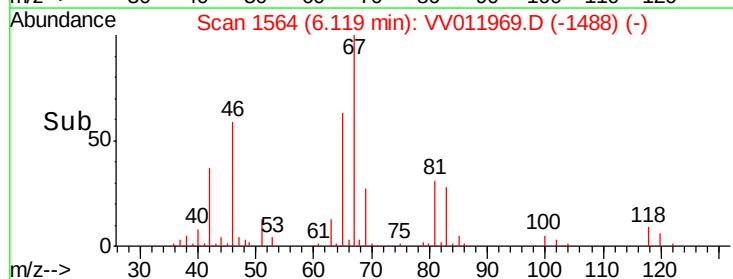
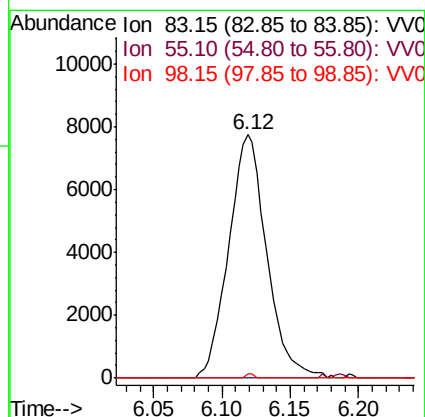
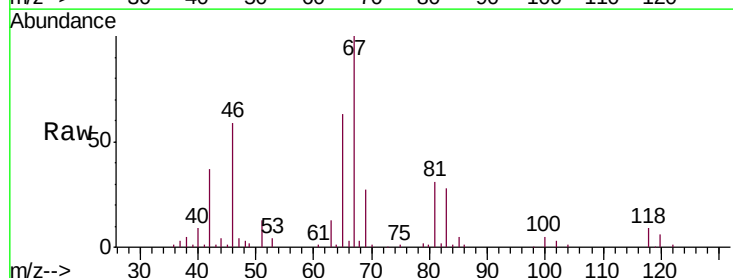
Instrument :
MSVOA_V
ClientSampleId :
A52K8DL

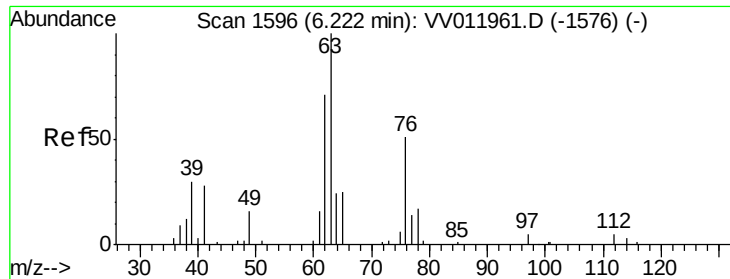
Tgt Ion: 83 Resp: 10676
Ion Ratio Lower Upper
83 100
85 73.4 46.5 86.3



#35
Methylcyclohexane
Concen: 0.772 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV011969.D
Acq: 23 Jul 2019 17:26

Tgt Ion: 83 Resp: 14998
Ion Ratio Lower Upper
83 100
55 0.2 63.0 94.4#
98 0.4 41.4 62.0#

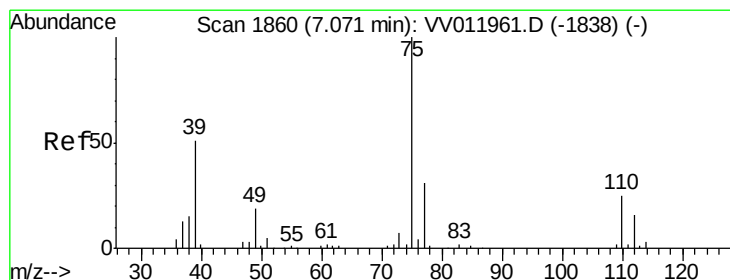
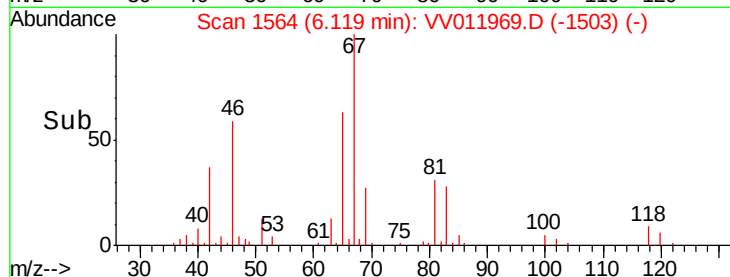
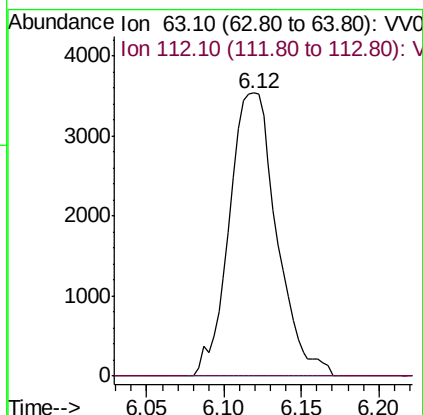
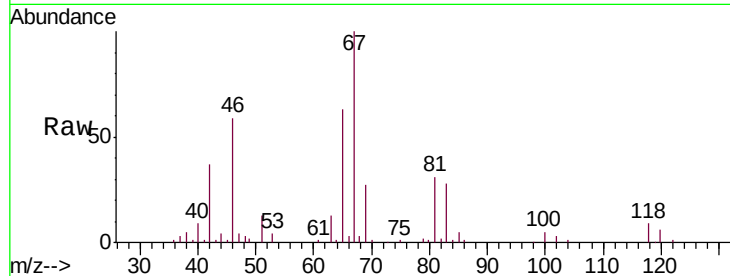




#37
 1,2-Dichloropropane
 Concen: 0.696 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV011969.D
 Acq: 23 Jul 2019 17:26

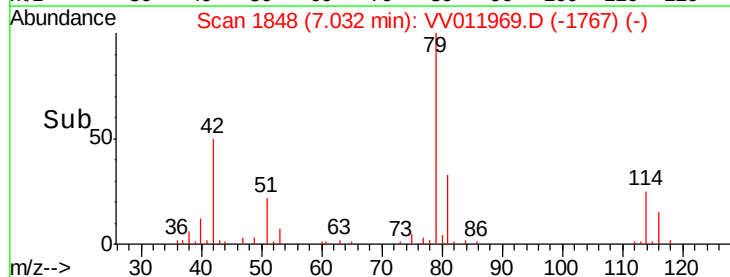
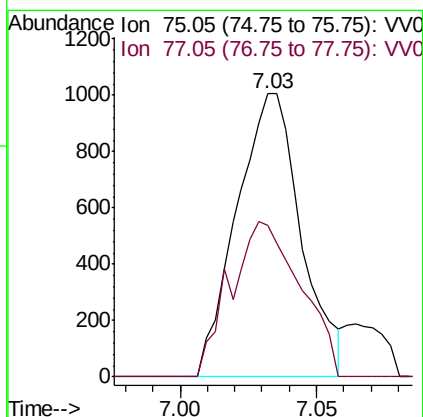
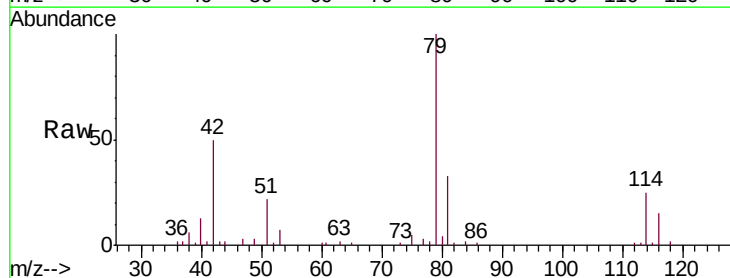
Instrument :
 MSVOA_V
 ClientSampleId :
 A52K8DL

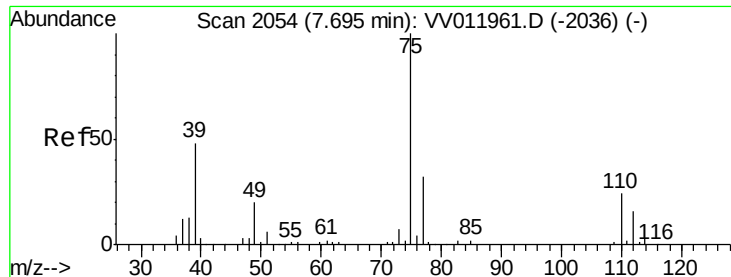
Tgt Ion: 63 Resp: 7520
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV011969.D
 Acq: 23 Jul 2019 17:26

Tgt Ion: 75 Resp: 1650
 Ion Ratio Lower Upper
 75 100
 77 53.6 21.3 39.6#





#44

trans-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011969.D

Acq: 23 Jul 2019 17:26

Instrument :

MSVOA_V

ClientSampleId :

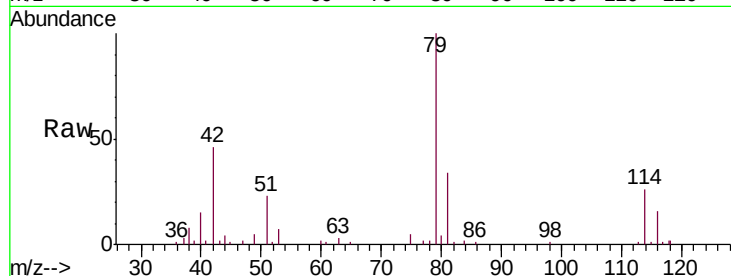
A52K8DL

Tgt Ion: 75 Resp: 1321

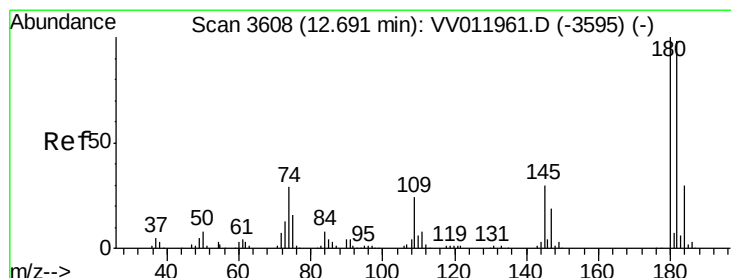
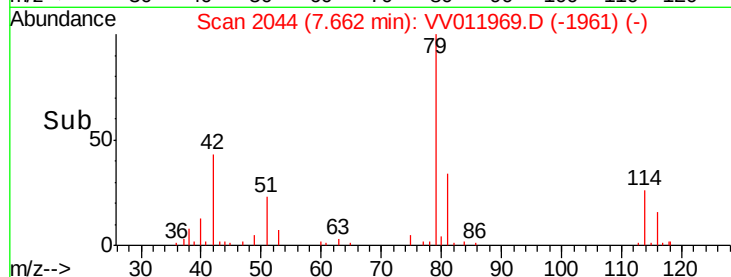
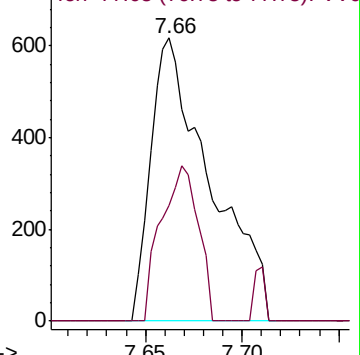
Ion Ratio Lower Upper

75 100

77 40.7 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV011961.D (-2036) (-)



#67

1,3,5-Trichlorobenzene

Concen: 0.055 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. 0.00 min

Lab File: VV011969.D

Acq: 23 Jul 2019 17:26

Tgt Ion: 180 Resp: 1145

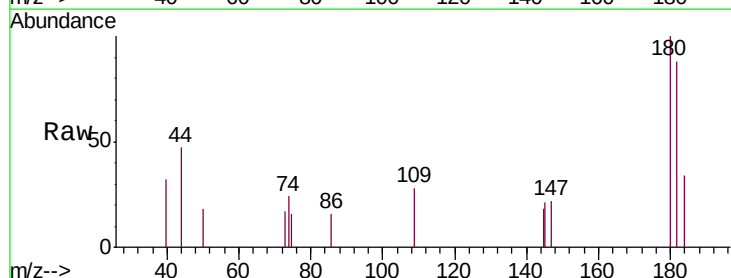
Ion Ratio Lower Upper

180 100

182 79.7 77.4 116.0

184 33.9 25.2 37.8

145 33.1 24.4 36.6

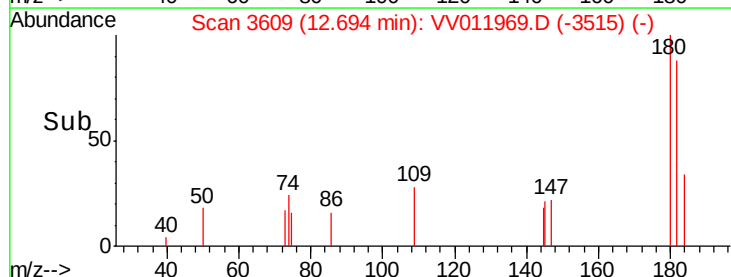
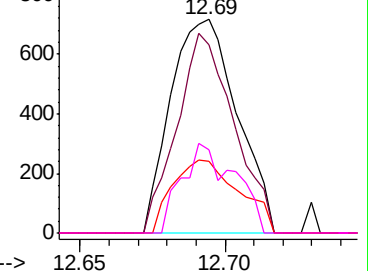


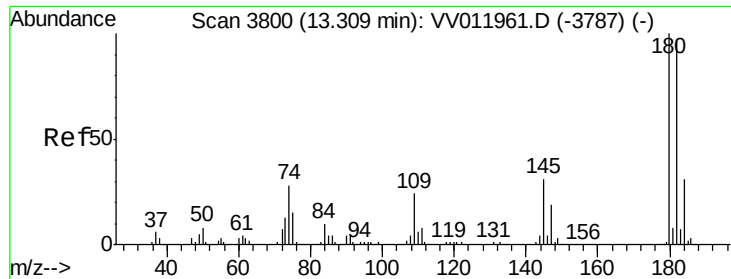
Abundance Ion 180.00 (179.70 to 180.70): VV011961.D (-3595) (-)

Ion 182.00 (181.70 to 182.70): VV011961.D (-3595) (-)

Ion 184.00 (183.70 to 184.70): VV011961.D (-3595) (-)

Ion 145.00 (144.70 to 145.70): VV011961.D (-3595) (-)

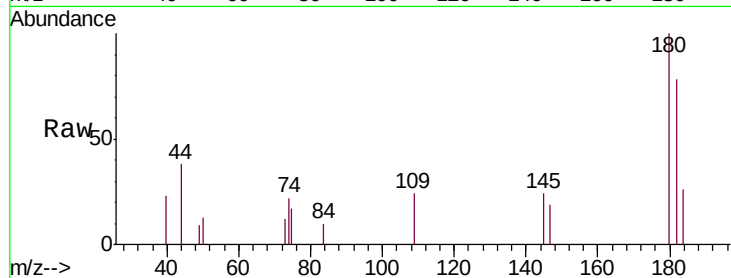




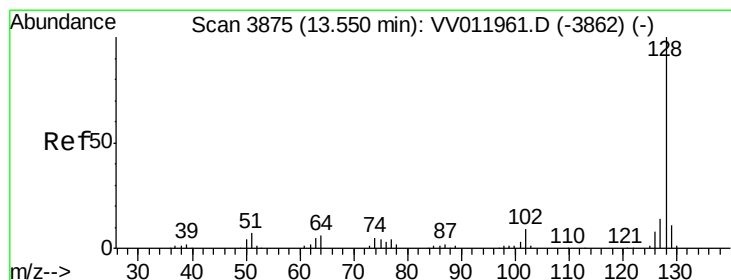
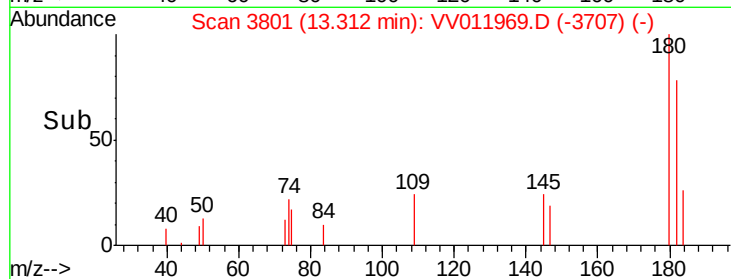
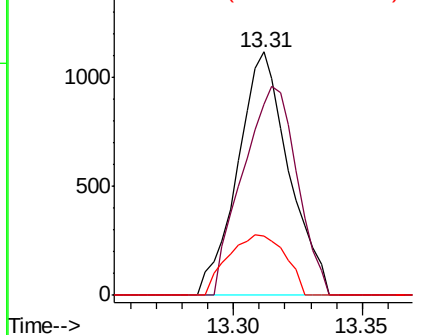
#68
 1,2,4-trichlorobenzene
 Concen: 0.090 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV011969.D
 Acq: 23 Jul 2019 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K8DL

Tgt Ion:180 Resp: 1537
 Ion Ratio Lower Upper
 180 100
 182 91.3 75.8 113.8
 145 27.8 23.4 35.2

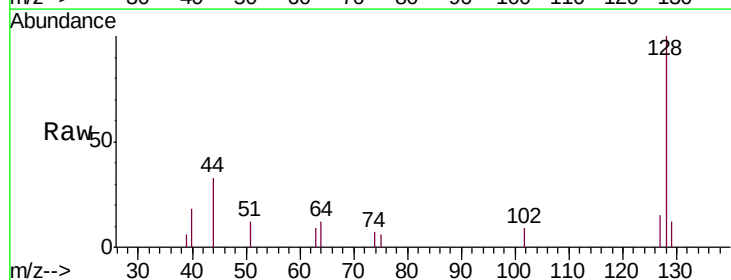


Abundance Ion 179.90 (179.60 to 180.60): V
 1500 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

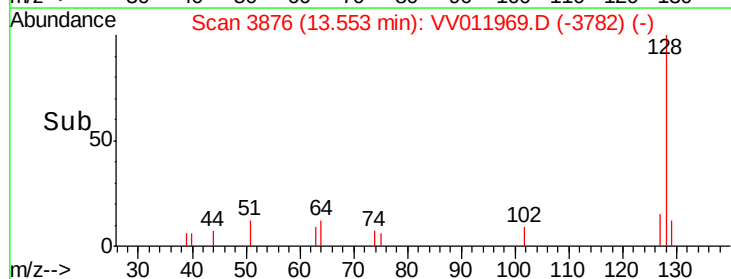
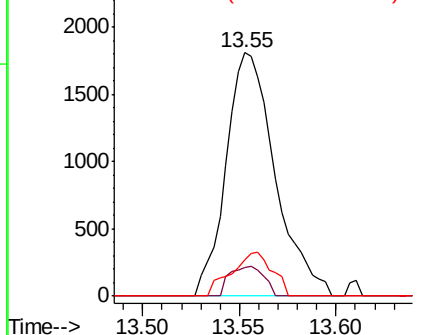


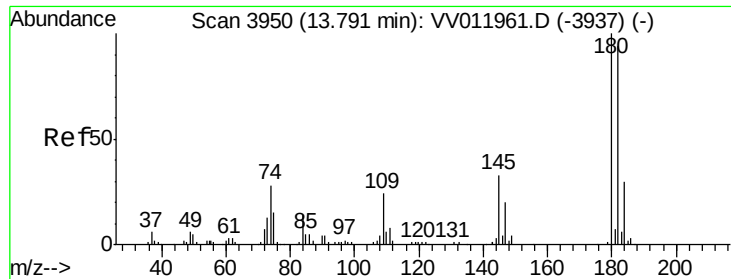
#69
 Naphthalene
 Concen: 0.124 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV011969.D
 Acq: 23 Jul 2019 17:26

Tgt Ion:128 Resp: 3189
 Ion Ratio Lower Upper
 128 100
 129 8.5 8.2 12.2
 127 15.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V
 2500 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

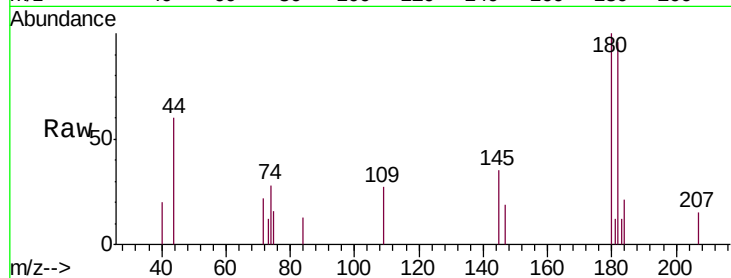




#70
 1,2,3-Trichlorobenzene
 Concen: 0.088 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV011969.D
 Acq: 23 Jul 2019 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K8DL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	75.5	113.3
145	25.2	24.7	37.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

