

Data File : VV010614.D
Acq On : 01 May 2019 19:52
Operator : SY/MD
Sample : K2590-18DL 25X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0XC5DL

Quant Time: May 02 08:24:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 02 08:18:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	75722	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	72056	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	29315	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22237	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.57	69	13474	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.13	63	33120	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	3.94	46	57471	54.99	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.98%
24) Chloroform-d	4.40	84	51085	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.08	65	25836	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
32) Benzene-d6	5.10	84	101877	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
36) 1,2-Dichloropropane-d6	6.12	67	31220	5.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.00%
41) Toluene-d8	7.36	98	89172	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	7.67	79	9612	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.13	63	46585	59.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	20951	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	30681	5.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

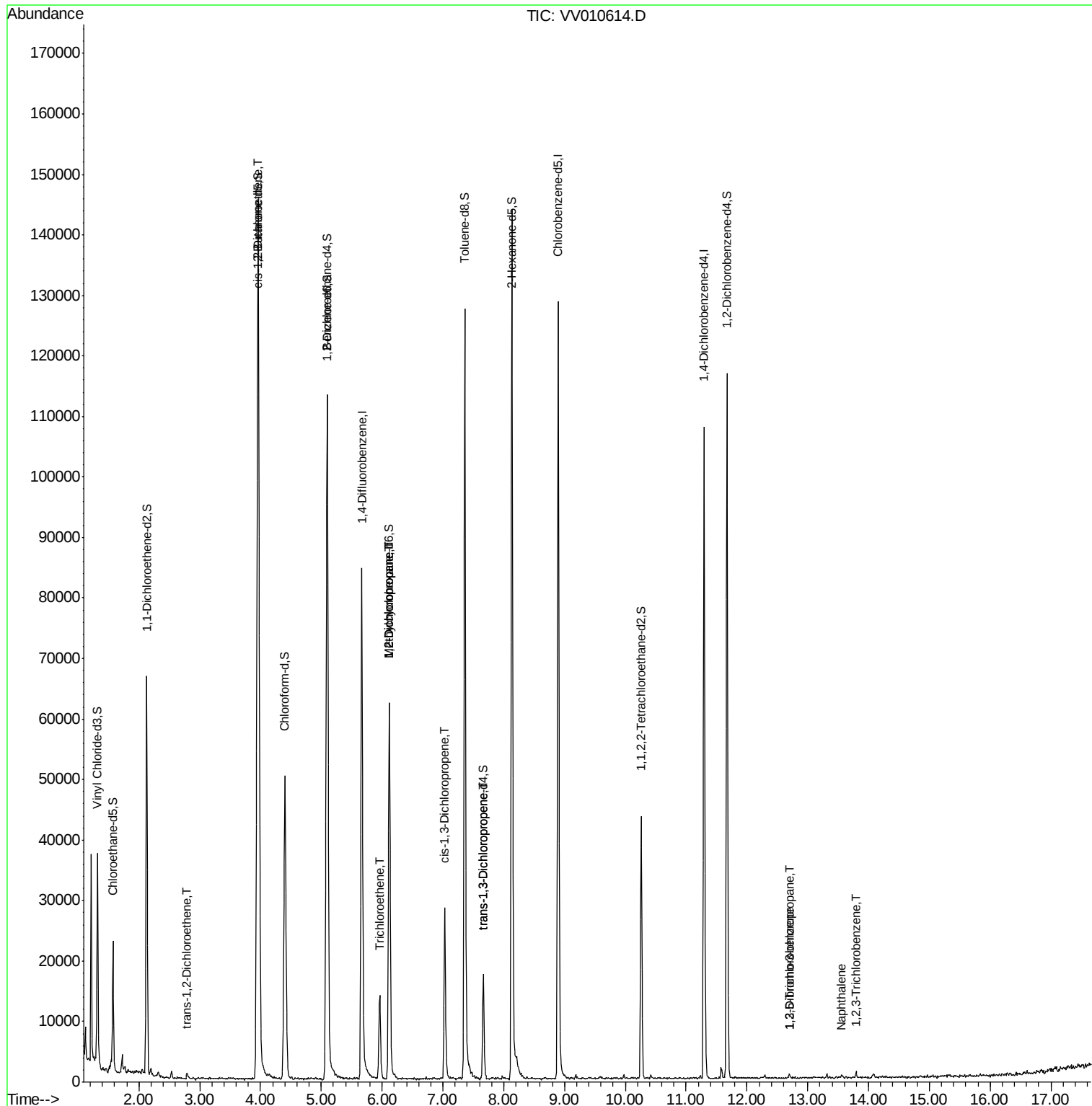
					Qvalue
18) trans-1,2-Dichloroethene	2.79	96	477	0.092 ug/L #	63
22) cis-1,2-Dichloroethene	3.96	96	69966	12.592 ug/L	94
34) Trichloroethene	5.96	95	5066	0.906 ug/L	95
35) Methylcyclohexane	6.12	83	7568	0.934 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	3209	0.661 ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	730	0.111 ug/L #	73
44) trans-1,3-Dichloropropene	7.67	75	417	0.081 ug/L #	61
66) 1,2-Dibromo-3-chloropropan	12.70	75	43	0.084 ug/L #	1
67) 1,3,5-Trichlorobenzene	12.69	180	311	0.044 ug/L #	65
69) Naphthalene	13.56	128	866	0.107 ug/L #	69
70) 1,2,3-Trichlorobenzene	13.79	180	380	0.080 ug/L #	78

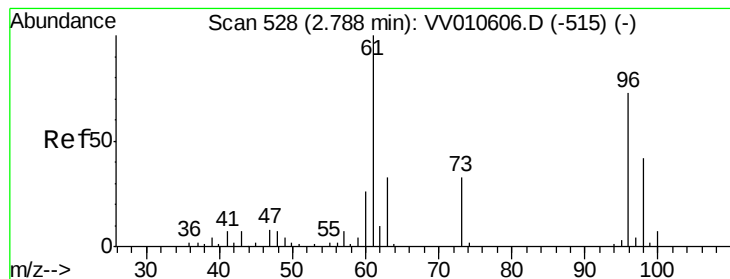
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 02 08:18:34 2019
Response via : Initial Calibration





#18

trans-1,2-Dichloroethene

Concen: 0.092 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV010614.D

Acq: 01 May 2019 19:52

Instrument :

MSVOA_V

ClientSampleId :

C0XC5DL

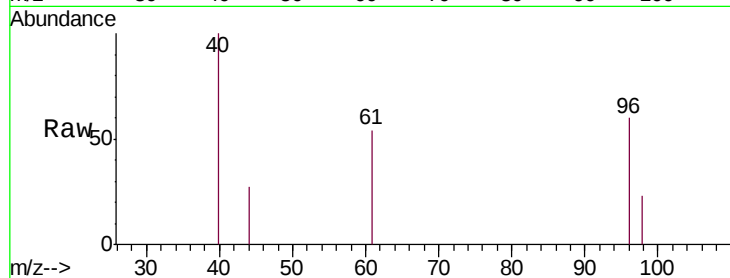
Tgt Ion: 96 Resp: 477

Ion Ratio Lower Upper

96 100

61 90.0 96.2 178.6#

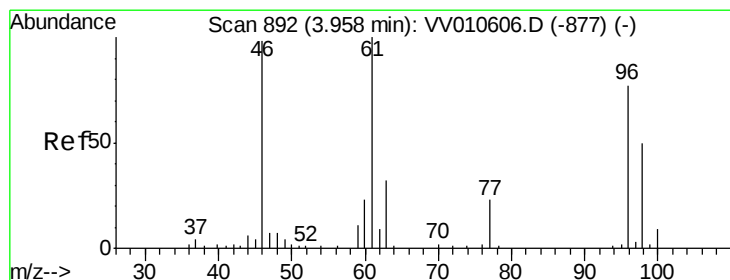
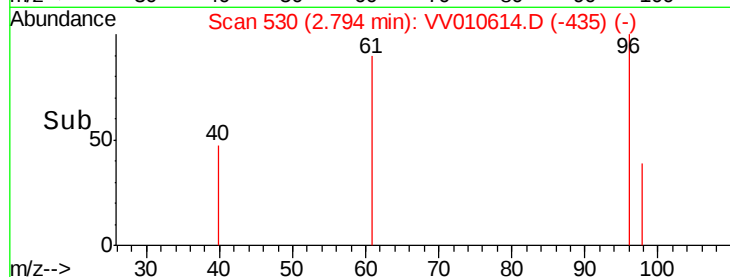
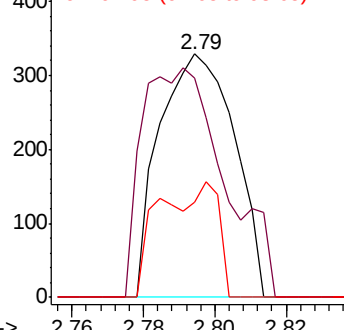
98 38.9 44.9 83.3#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#22

cis-1,2-Dichloroethene

Concen: 12.592 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV010614.D

Acq: 01 May 2019 19:52

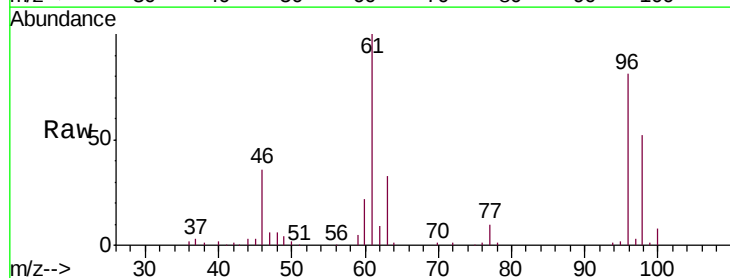
Tgt Ion: 96 Resp: 69966

Ion Ratio Lower Upper

96 100

61 123.7 82.3 152.9

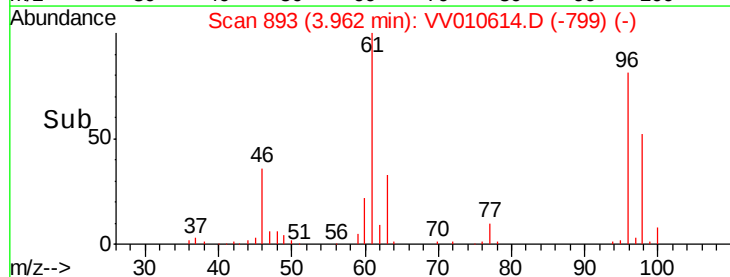
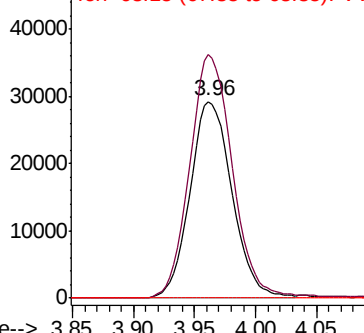
68 0.0 0.0 0.0

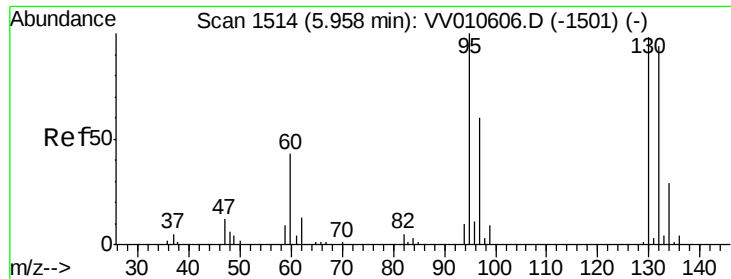


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#34

Trichloroethene

Concen: 0.906 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010614.D

Acq: 01 May 2019 19:52

Instrument :

MSVOA_V

ClientSampleId :

C0XC5DL

Tgt Ion: 95 Resp: 5066

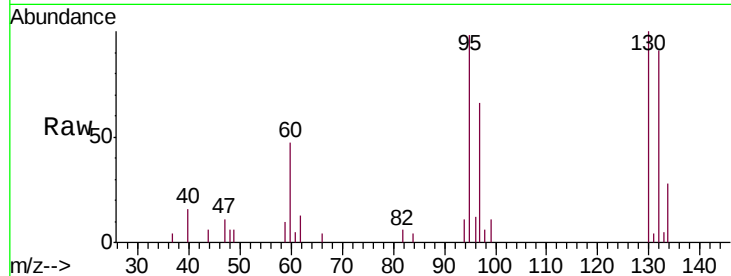
Ion Ratio Lower Upper

95 100

97 67.2 42.4 78.6

132 92.8 69.3 128.7

130 101.7 70.3 130.7

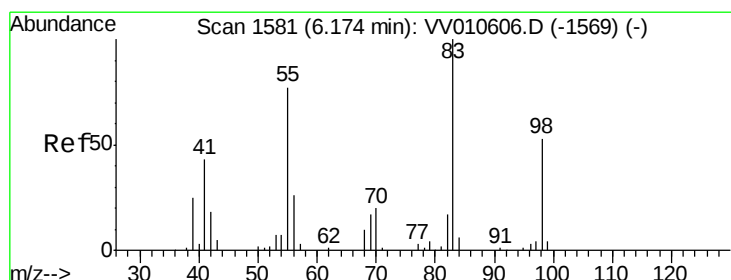
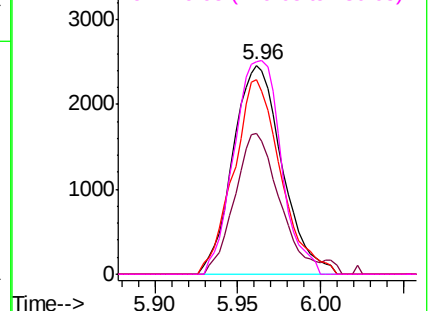
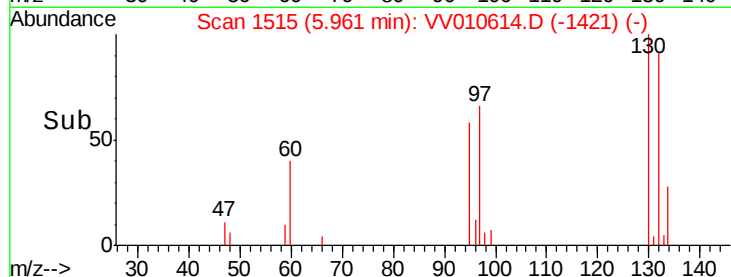


Abundance Ion 95.00 (94.70 to 95.70): VV010614.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV010614.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV010614.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV010614.D (-1421) (-)



#35

Methylcyclohexane

Concen: 0.934 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV010614.D

Acq: 01 May 2019 19:52

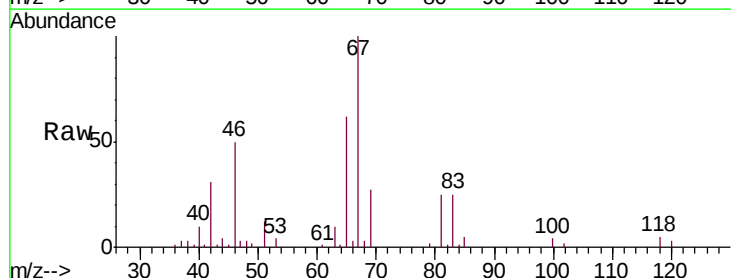
Tgt Ion: 83 Resp: 7568

Ion Ratio Lower Upper

83 100

55 0.0 63.4 95.0#

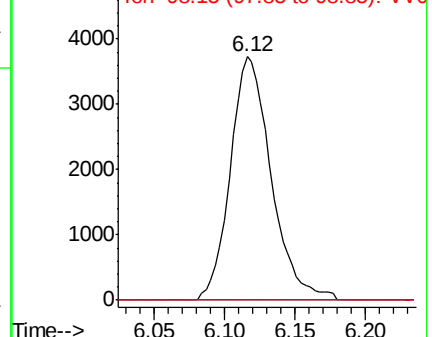
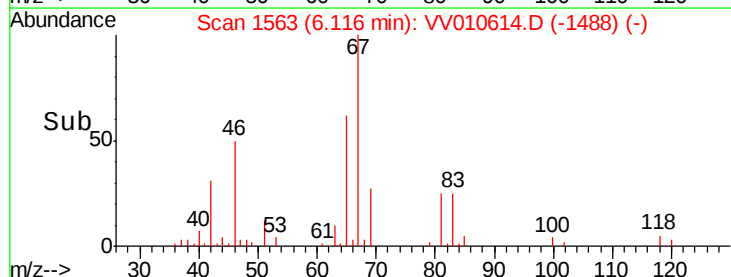
98 2.6 38.7 58.1#

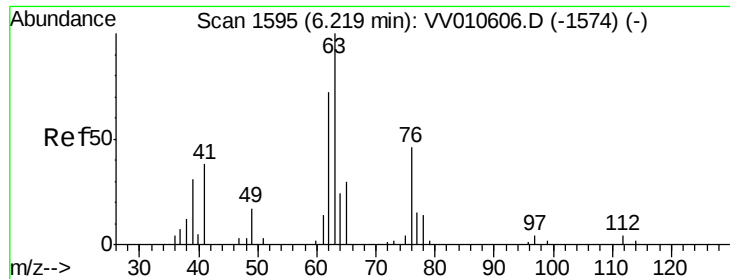


Abundance Ion 83.15 (82.85 to 83.85): VV010614.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV010614.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV010614.D (-1488) (-)

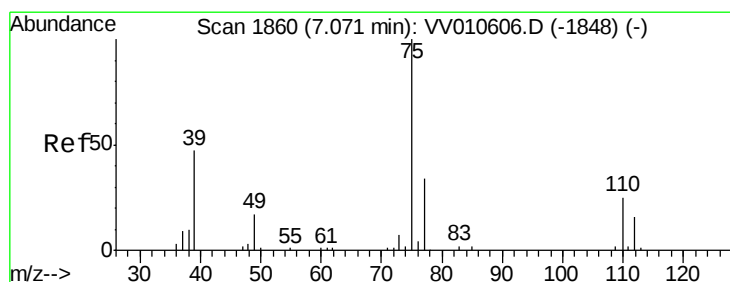
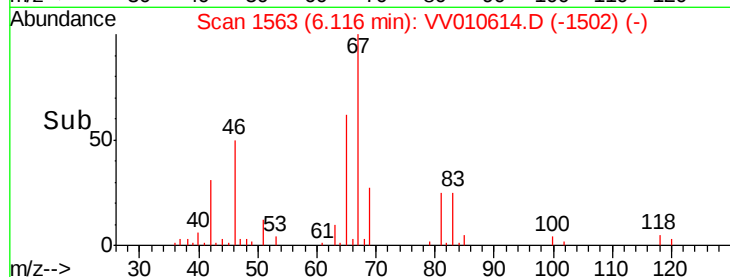
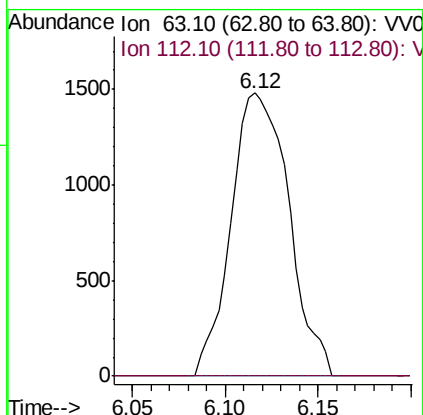
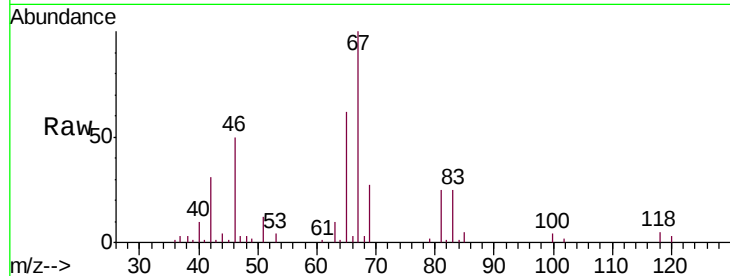




#37
 1,2-Dichloropropane
 Concen: 0.661 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV010614.D
 Acq: 01 May 2019 19:52

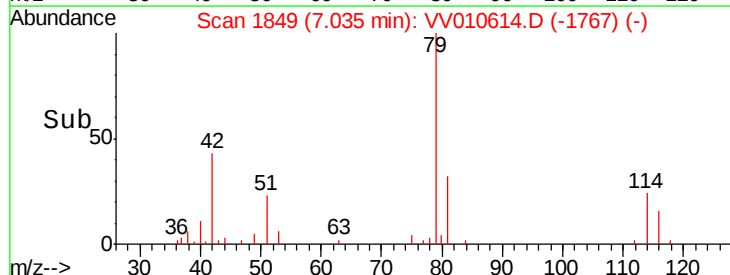
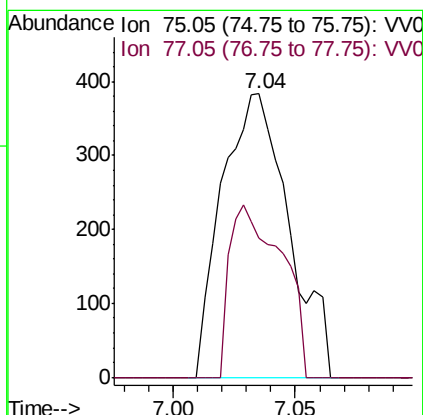
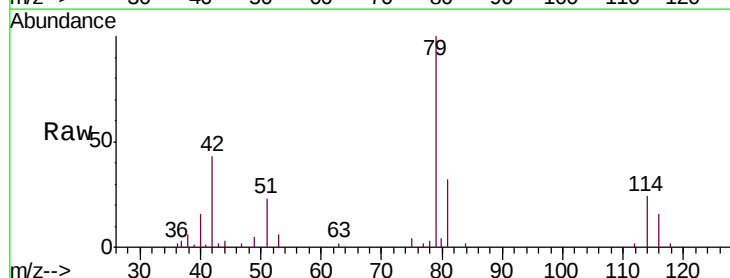
Instrument :
 MSVOA_V
 ClientSampleId :
 C0XC5DL

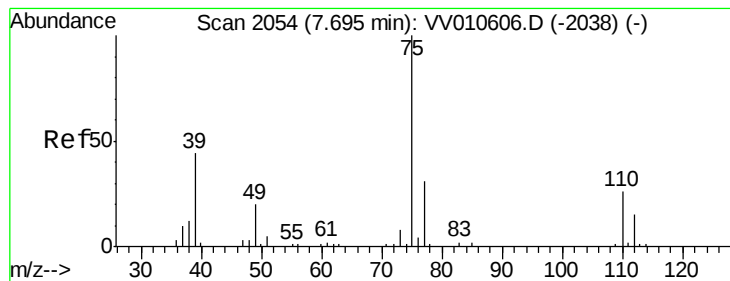
Tgt Ion: 63 Resp: 3209
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV010614.D
 Acq: 01 May 2019 19:52

Tgt Ion: 75 Resp: 730
 Ion Ratio Lower Upper
 75 100
 77 49.3 23.9 44.3#





#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.02 min

Lab File: VV010614.D

Acq: 01 May 2019 19:52

Instrument :

MSVOA_V

ClientSampleId :

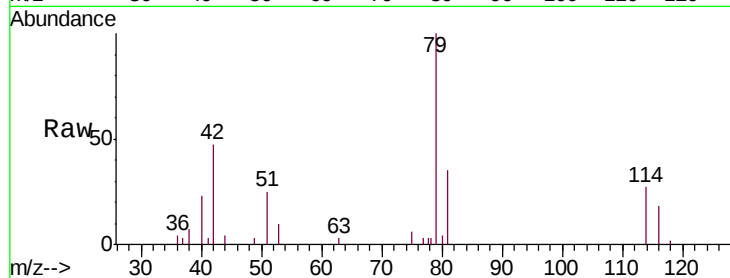
C0XC5DL

Tgt Ion: 75 Resp: 417

Ion Ratio Lower Upper

75 100

77 51.2 21.1 39.1#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

250

200

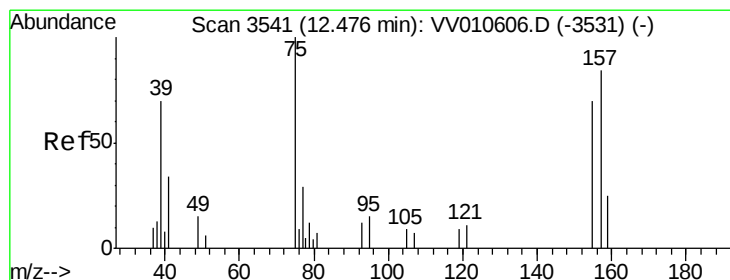
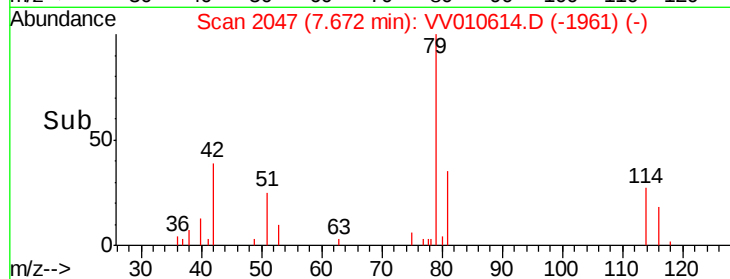
150

100

50

0

Time-->



#66

1,2-Dibromo-3-chloropropane

Concen: 0.084 ug/L

RT: 12.70 min Scan# 3610

Delta R.T. 0.22 min

Lab File: VV010614.D

Acq: 01 May 2019 19:52

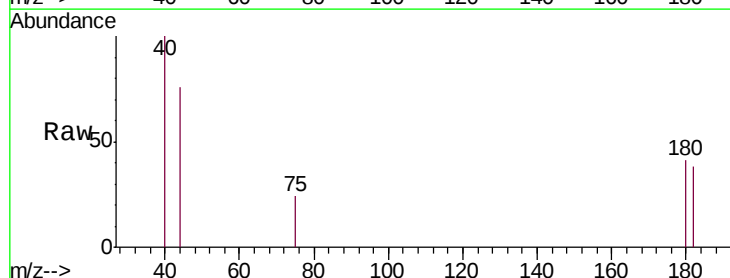
Tgt Ion: 75 Resp: 43

Ion Ratio Lower Upper

75 100

155 0.0 60.8 91.2#

157 0.0 90.2 135.4#



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

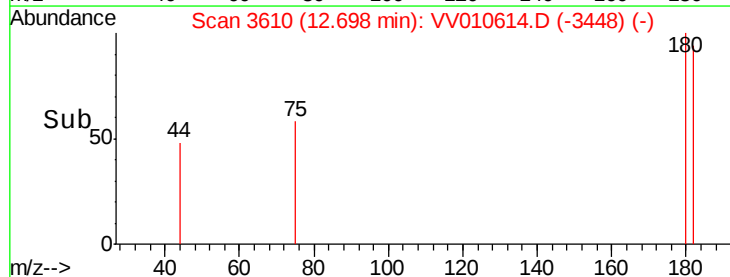
150

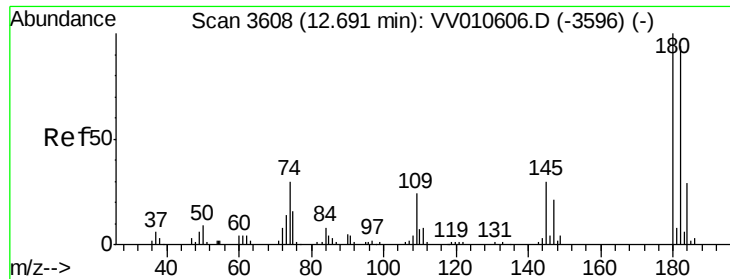
100

50

0

Time-->

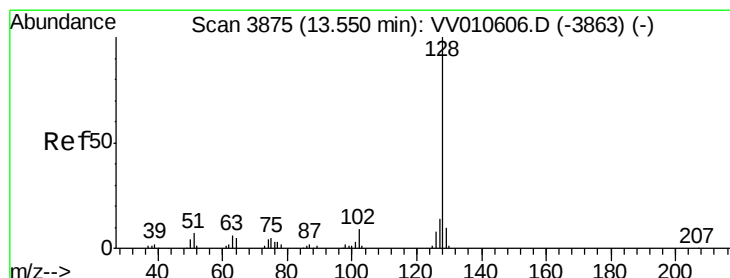
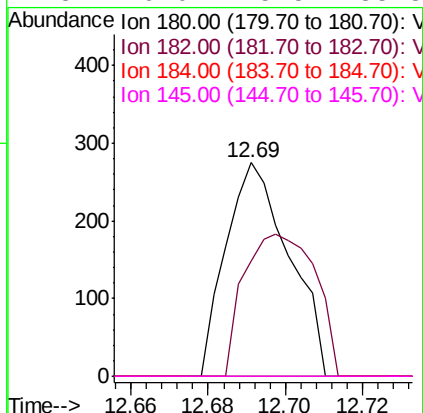
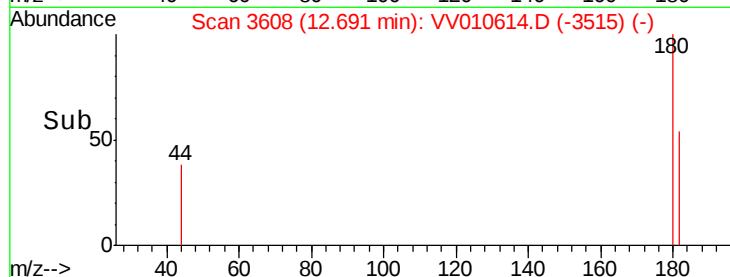
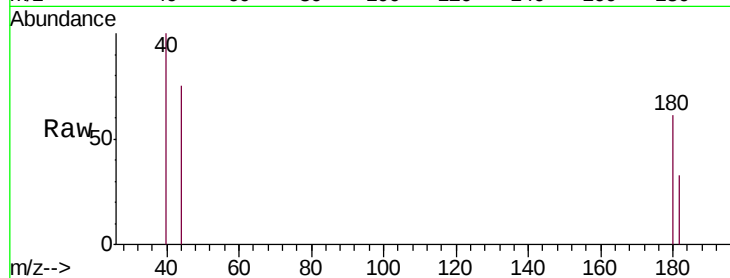




#67
 1,3,5-Trichlorobenzene
 Concen: 0.044 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV010614.D
 Acq: 01 May 2019 19:52

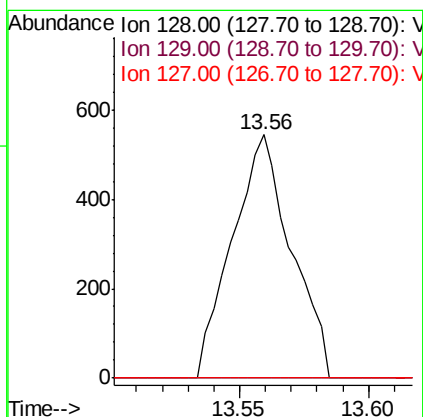
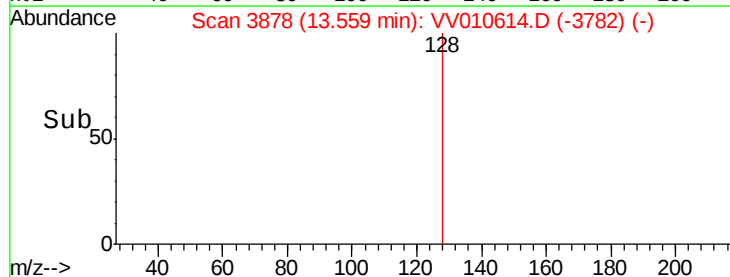
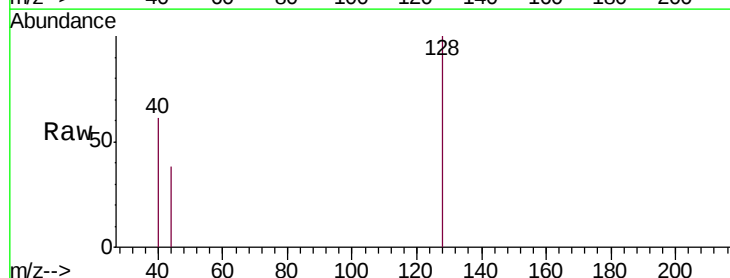
Instrument :
 MSVOA_V
 ClientSampleId :
 C0XC5DL

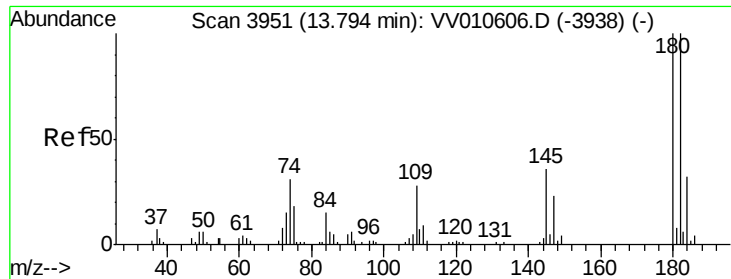
Tgt Ion:180 Resp: 311
 Ion Ratio Lower Upper
 180 100
 182 75.2 77.0 115.6#
 184 0.0 23.4 35.2#
 145 0.0 25.5 38.3#



#69
 Naphthalene
 Concen: 0.107 ug/L
 RT: 13.56 min Scan# 3878
 Delta R.T. 0.01 min
 Lab File: VV010614.D
 Acq: 01 May 2019 19:52

Tgt Ion:128 Resp: 866
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.5 12.7#
 127 0.0 10.3 15.5#





#70

1,2,3-Trichlorobenzene

Concen: 0.080 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV010614.D

Acq: 01 May 2019 19:52

Instrument :

MSVOA_V

ClientSampleId :

C0XC5DL

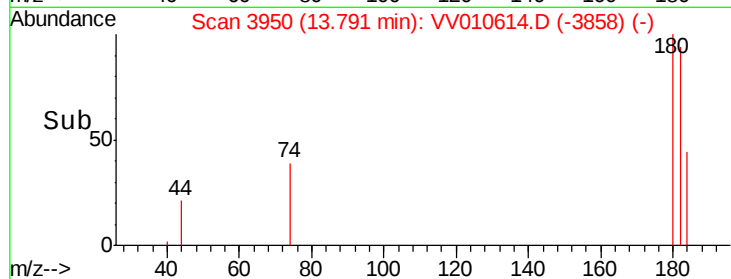
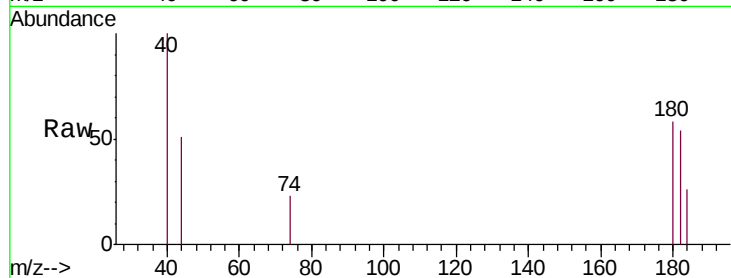
Tgt Ion:180 Resp: 380

Ion Ratio Lower Upper

180 100

182 107.9 76.0 114.0

145 6.1 26.2 39.4#



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

