

Data File : VV008982.D
Acq On : 17 Dec 2018 16:05
Operator : SY/MD
Sample : J6387-14
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COLB7

Quant Time: Dec 18 01:51:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 18 01:46:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	207087	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	193119	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81994	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58524	48.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.78%
7) Chloroethane-d5	1.57	69	48501	63.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	127.46%
11) 1,1-Dichloroethene-d2	2.13	63	111286	38.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.94%
21) 2-Butanone-d5	3.93	46	93871	116.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.25%
24) Chloroform-d	4.41	84	124533	48.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.52%
26) 1,2-Dichloroethane-d4	5.08	65	83620	50.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.74%
32) Benzene-d6	5.10	84	266037	51.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.24%
36) 1,2-Dichloropropane-d6	6.12	67	79034	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.08%
41) Toluene-d8	7.36	98	244997	50.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.30%
43) trans-1,3-Dichloropropene-	7.67	79	38399	48.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.82%
47) 2-Hexanone-d5	8.13	63	62189	107.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.45%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	97710	48.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.78%
64) 1,2-Dichlorobenzene-d4	11.68	152	86730	51.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.58%

Target Compounds

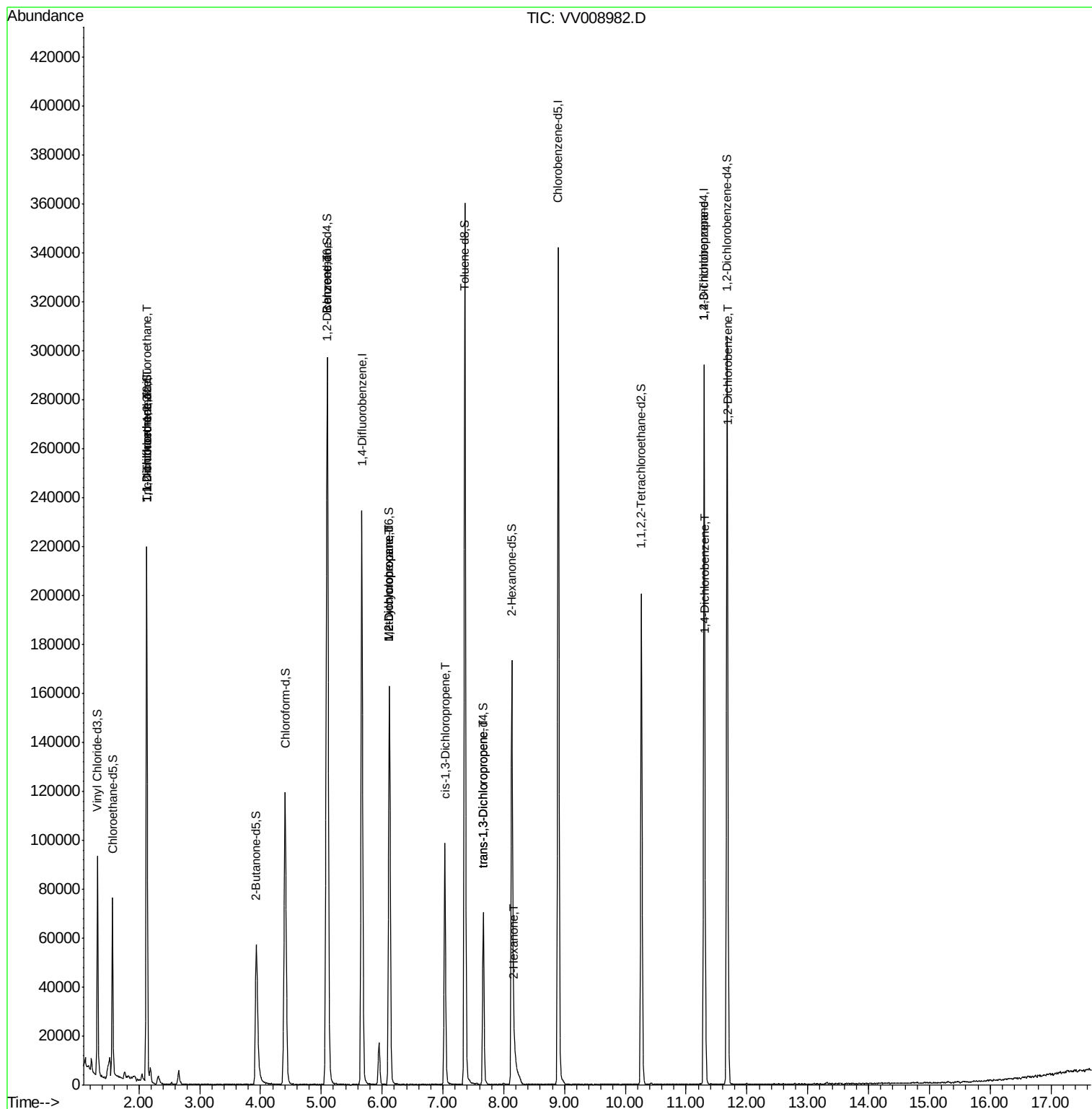
						Qvalue
9) Trichlorofluoromethane	2.13	101	924	0.400	ug/L #	37
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	924	0.654	ug/L #	18
12) 1,1-Dichloroethene	2.13	96	835	0.649	ug/L #	1
33) Benzene	5.10	78	2091	0.393	ug/L	100
35) Methylcyclohexane	6.12	83	19228	8.437	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	8572	6.228	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	2372	1.081	ug/L #	58
44) trans-1,3-Dichloropropene	7.67	75	1611	0.787	ug/L #	76
48) 2-Hexanone	8.18	43	3070	2.318	ug/L #	45
59) 1,2,3-Trichloropropane	11.30	75	8938	5.157	ug/L	90
63) 1,4-Dichlorobenzene	11.32	146	1513	0.572	ug/L #	83
65) 1,2-Dichlorobenzene	11.69	146	1164	0.436	ug/L #	61

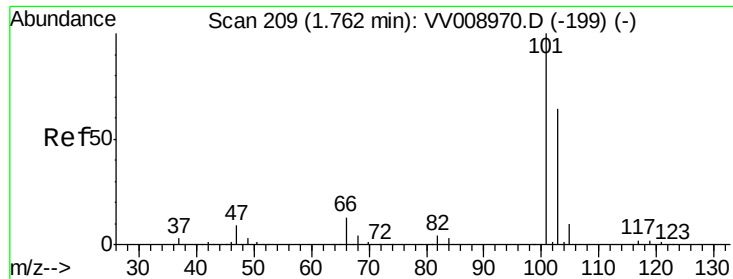
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 0.400 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.37 min

Lab File: VV008982.D

Acq: 17 Dec 2018 16:05

Instrument :

MSVOA_V

ClientSampleId :

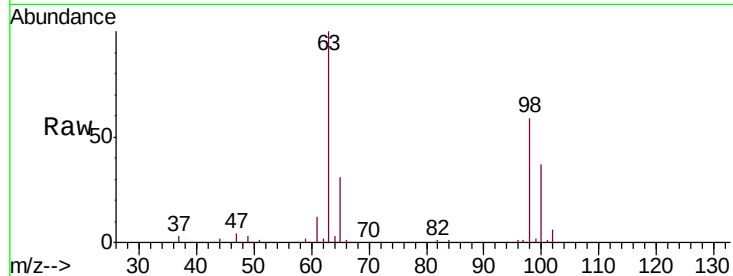
C0LB7

Tgt Ion:101 Resp: 924

Ion Ratio Lower Upper

101 100

103 14.8 51.5 77.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.13

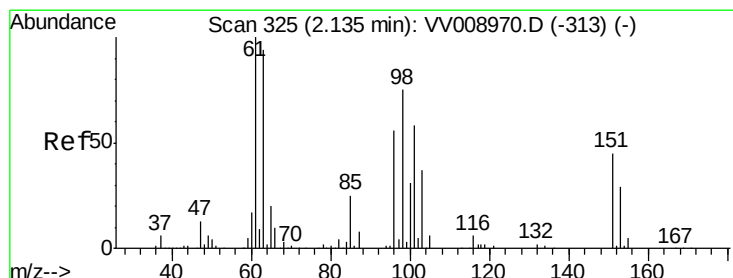
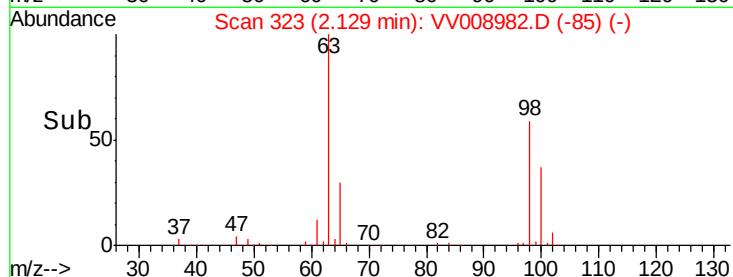
600

400

200

0

Time-->



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.654 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008982.D

Acq: 17 Dec 2018 16:05

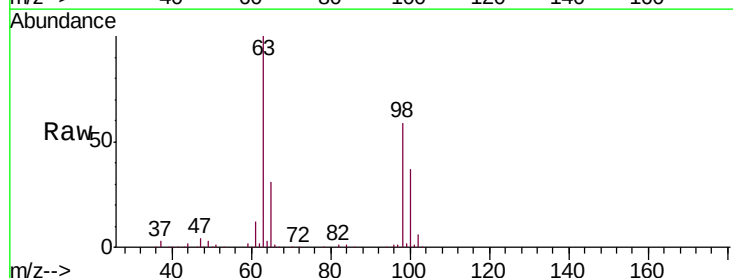
Tgt Ion:101 Resp: 924

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 0.0 63.8 95.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

800

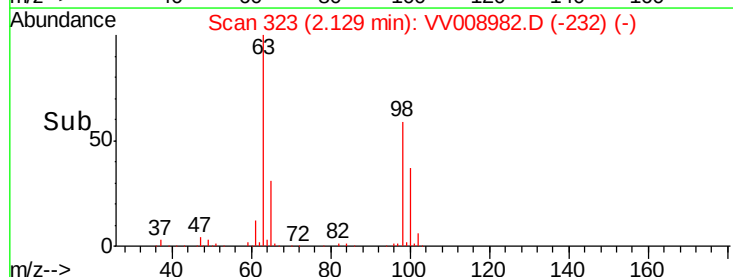
600

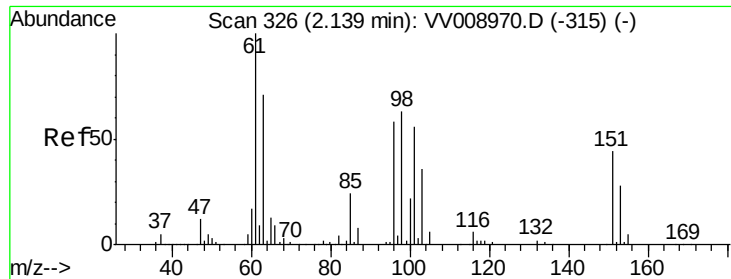
400

200

0

Time-->

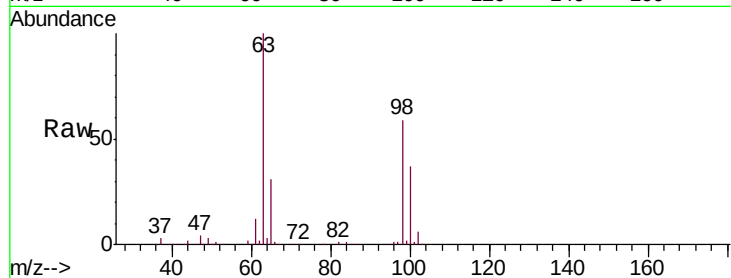




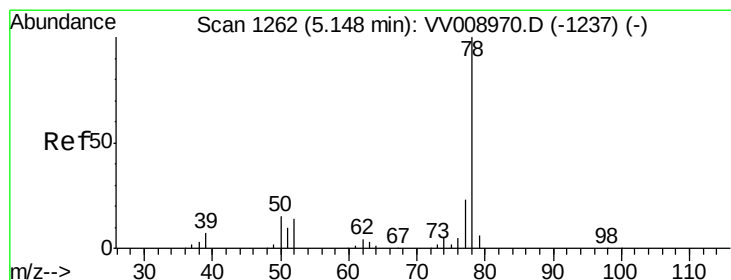
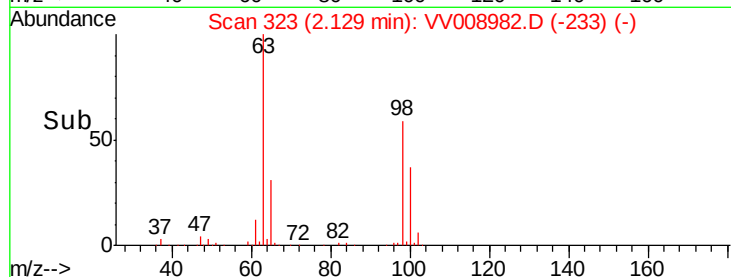
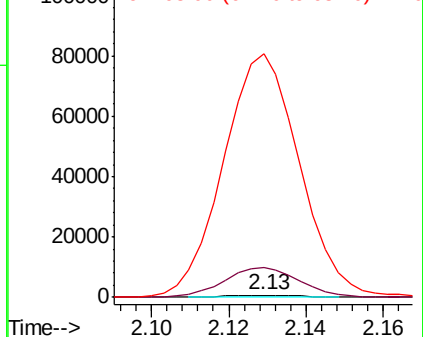
#12
 1,1-Dichloroethene
 Concen: 0.649 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VV008982.D
 Acq: 17 Dec 2018 16:05

Instrument :
 MSVOA_V
 ClientSampleId :
 COLB7

Tgt Ion: 96 Resp: 835
 Ion Ratio Lower Upper
 96 100
 61 1696.0 119.1 221.3#
 63 13914.5 96.0 178.2#

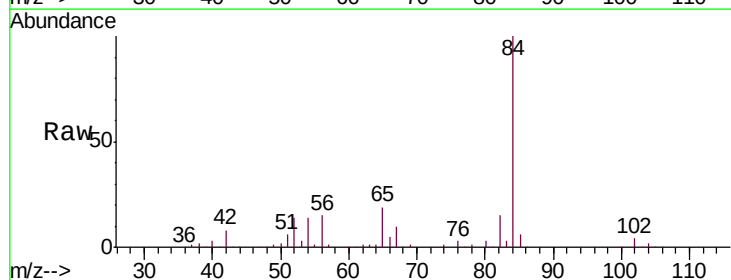


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 63.00 (62.70 to 63.70): VV0

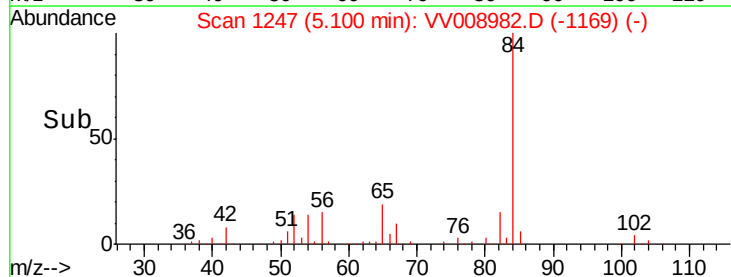
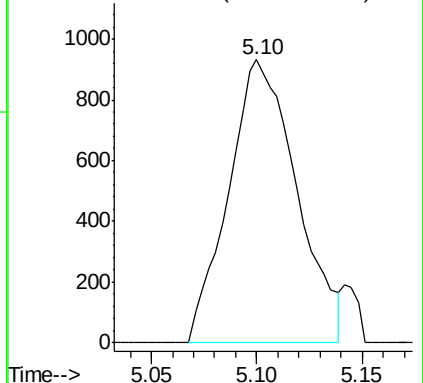


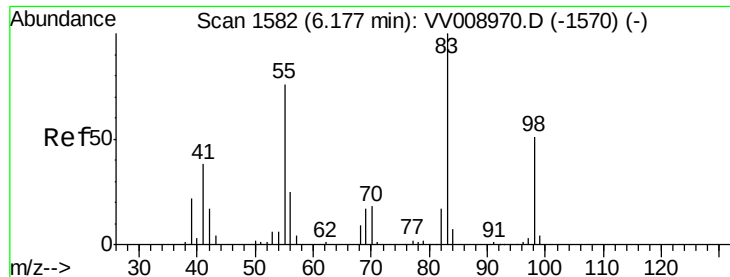
#33
 Benzene
 Concen: 0.393 ug/L
 RT: 5.10 min Scan# 1247
 Delta R.T. -0.05 min
 Lab File: VV008982.D
 Acq: 17 Dec 2018 16:05

Tgt Ion: 78 Resp: 2091



Abundance Ion 78.00 (77.70 to 78.70): VV0

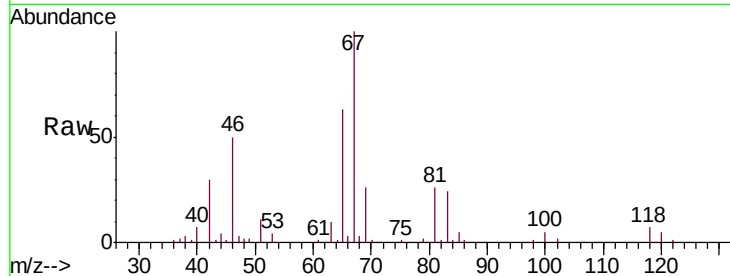




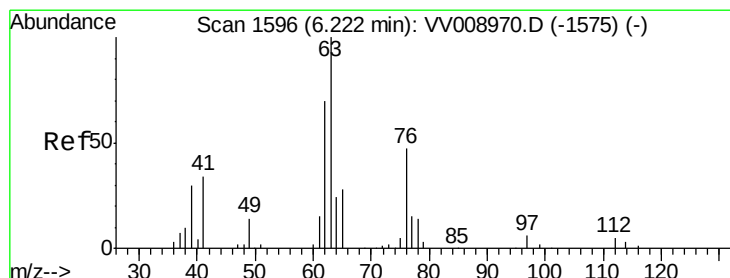
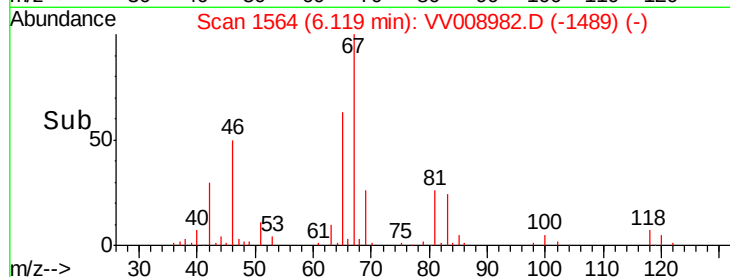
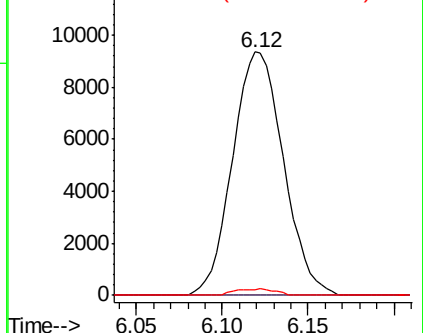
#35
Methylcyclohexane
Concen: 8.437 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.06 min
Lab File: VV008982.D
Acq: 17 Dec 2018 16:05

Instrument :
MSVOA_V
ClientSampleId :
COLB7

Tgt Ion: 83 Resp: 19228
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.8#
98 1.2 39.0 58.4#

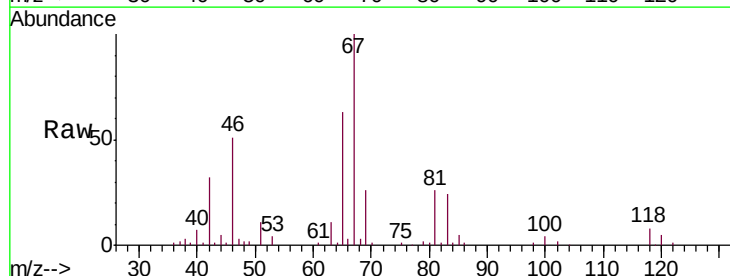


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

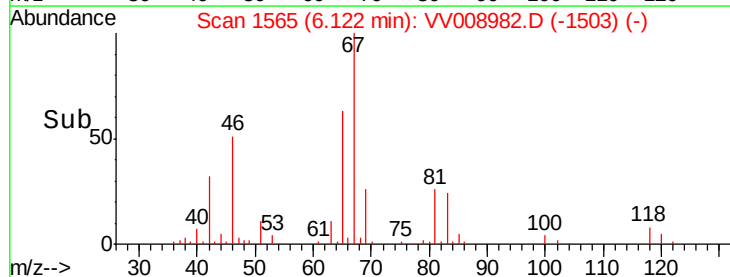
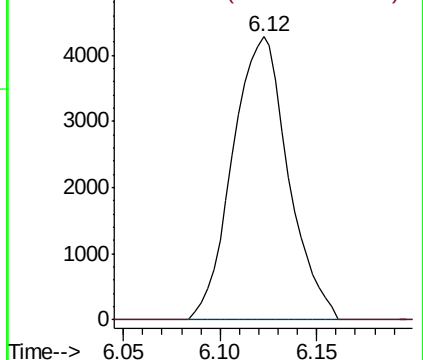


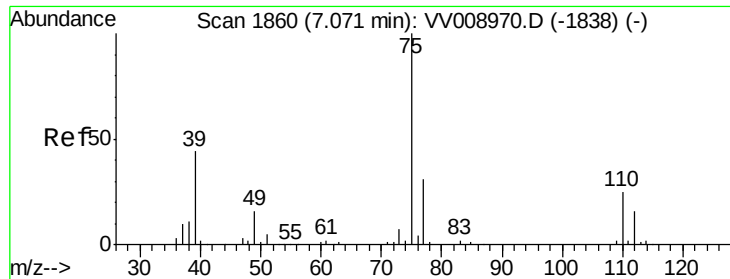
#37
1,2-Dichloropropane
Concen: 6.228 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV008982.D
Acq: 17 Dec 2018 16:05

Tgt Ion: 63 Resp: 8572
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 1.081 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV008982.D

Acq: 17 Dec 2018 16:05

Instrument :

MSVOA_V

ClientSampleId :

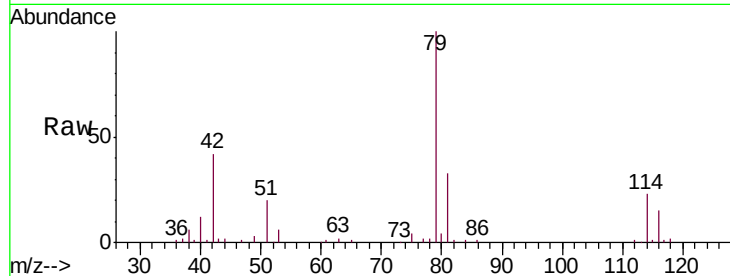
C0LB7

Tgt Ion: 75 Resp: 2372

Ion Ratio Lower Upper

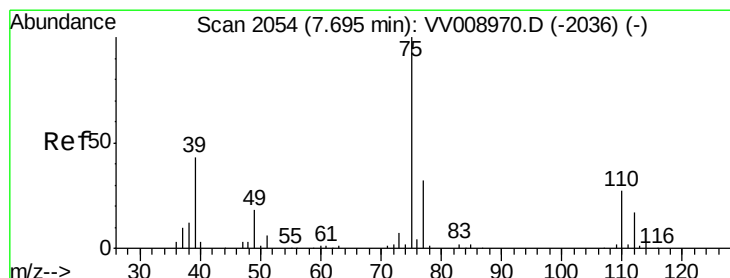
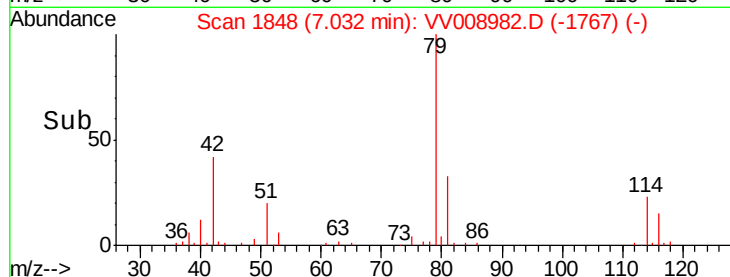
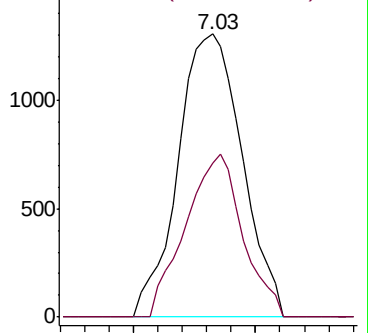
75 100

77 54.4 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.787 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV008982.D

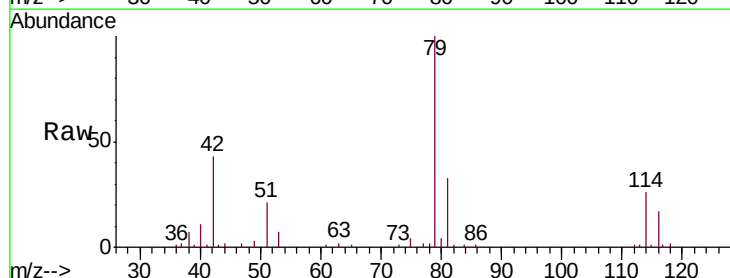
Acq: 17 Dec 2018 16:05

Tgt Ion: 75 Resp: 1611

Ion Ratio Lower Upper

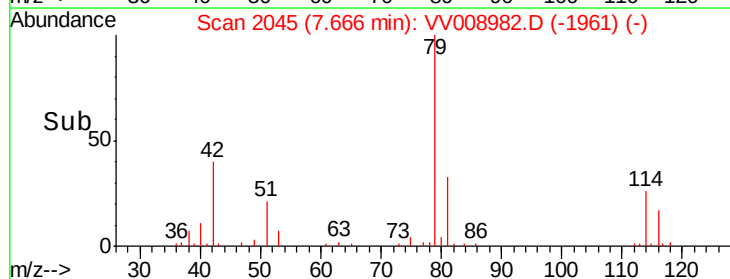
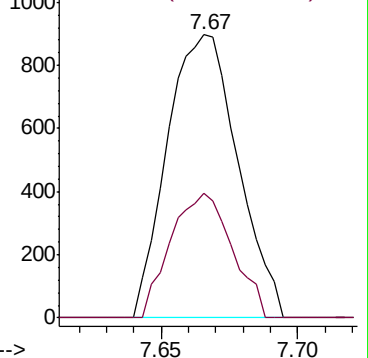
75 100

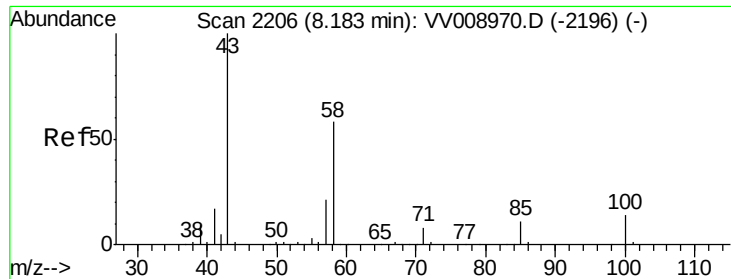
77 44.1 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

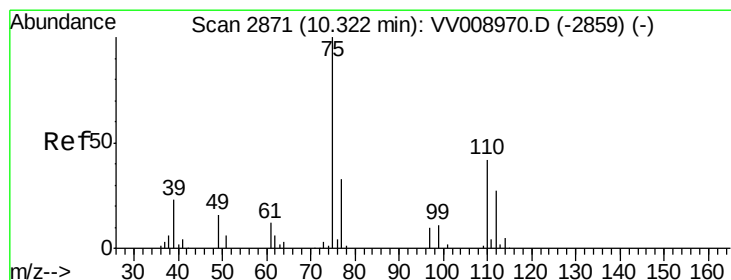
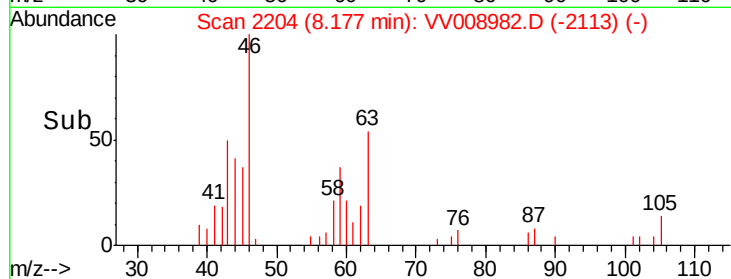
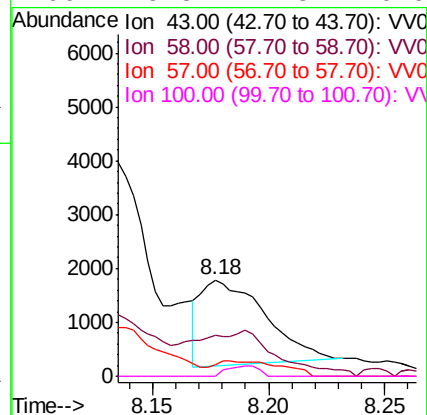
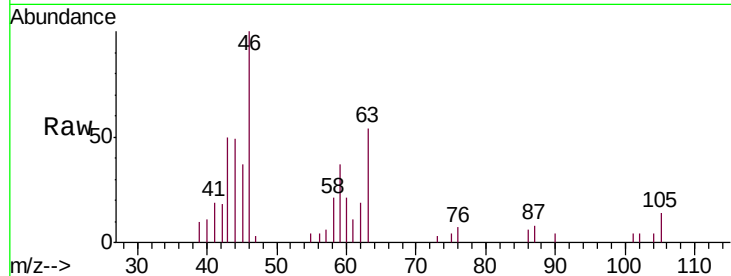




#48
 2-Hexanone
 Concen: 2.318 ug/L
 RT: 8.18 min Scan# 2204
 Delta R.T. -0.01 min
 Lab File: VV008982.D
 Acq: 17 Dec 2018 16:05

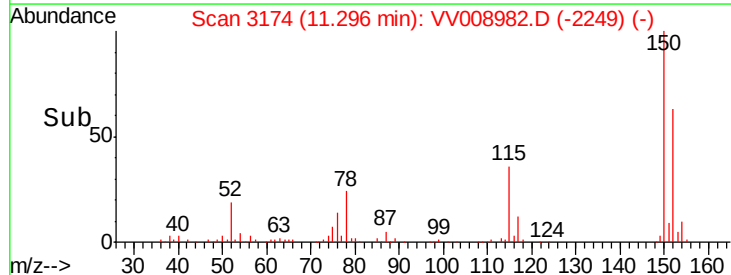
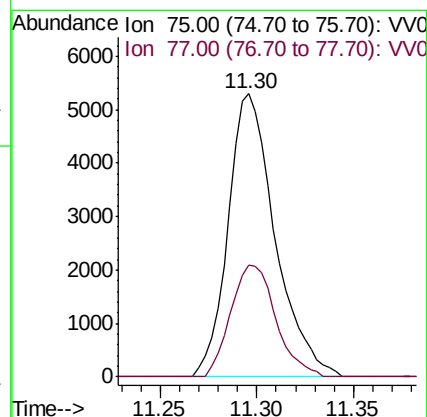
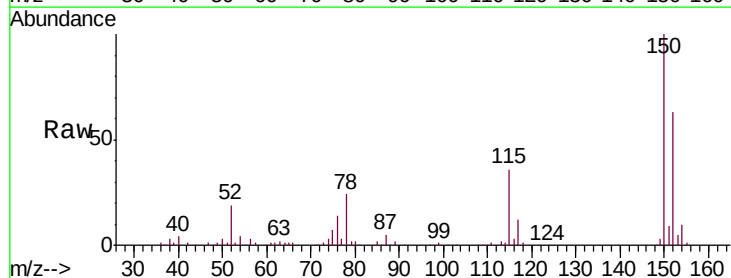
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 MSVOA_V
 ClientSampleId :
 COLB7

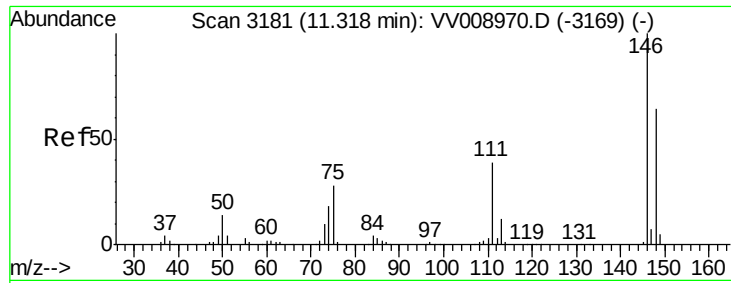
Tgt Ion: 43 Resp: 3070
 Ion Ratio Lower Upper
 43 100
 58 3.2 42.7 64.1#
 57 3.2 15.7 23.5#
 100 5.8 11.3 16.9#



#59
 1,2,3-Trichloropropane
 Concen: 5.157 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.97 min
 Lab File: VV008982.D
 Acq: 17 Dec 2018 16:05

Tgt Ion: 75 Resp: 8938
 Ion Ratio Lower Upper
 75 100
 77 38.1 25.8 38.8





#63

1,4-Dichlorobenzene

Concen: 0.572 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV008982.D

Acq: 17 Dec 2018 16:05

Instrument :

MSVOA_V

ClientSampleId :

C0LB7

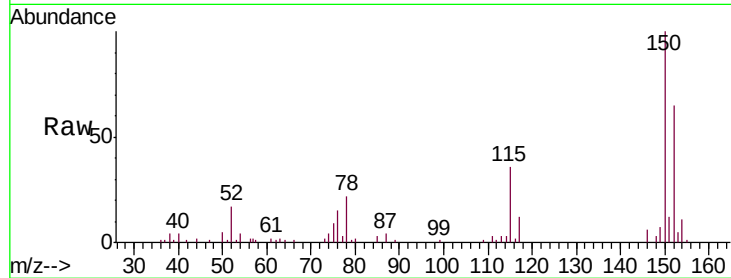
Tgt Ion:146 Resp: 1513

Ion Ratio Lower Upper

146 100

111 52.0 27.9 51.9#

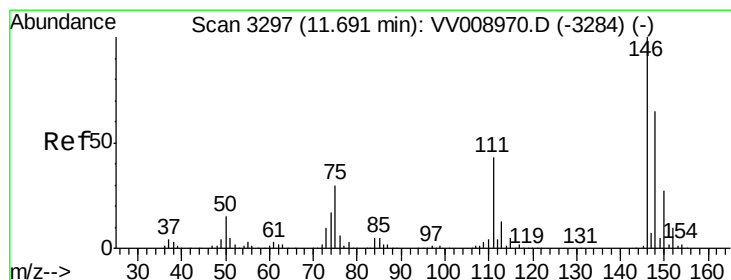
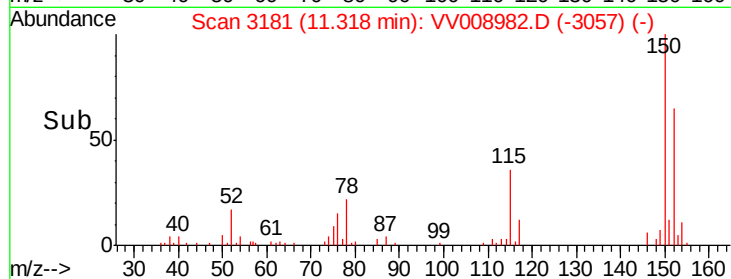
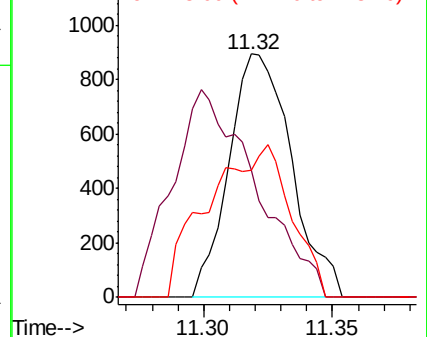
148 52.5 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.436 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV008982.D

Acq: 17 Dec 2018 16:05

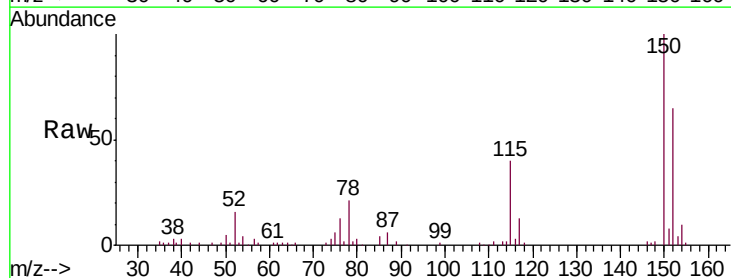
Tgt Ion:146 Resp: 1164

Ion Ratio Lower Upper

146 100

111 91.9 32.8 49.2#

148 71.8 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

