

Data File : VV008956.D
Acq On : 15 Dec 2018 01:52
Operator : SY/MD
Sample : J6387-09
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COLB1

Quant Time: Dec 15 04:08:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 15 01:01:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	205612	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	190195	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81595	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47551	39.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.20%
7) Chloroethane-d5	1.63	69	199	0.26	ug/L	0.06
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.52%#
11) 1,1-Dichloroethene-d2	2.13	63	107025	37.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.48%
21) 2-Butanone-d5	3.93	46	87736	109.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.44%
24) Chloroform-d	4.41	84	119898	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.08	65	79899	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.92%
32) Benzene-d6	5.10	84	243062	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.84%
36) 1,2-Dichloropropane-d6	6.12	67	74436	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.66%
41) Toluene-d8	7.36	98	223713	46.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.67	79	35403	45.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.64%
47) 2-Hexanone-d5	8.13	63	57780	101.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	91956	46.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.48%
64) 1,2-Dichlorobenzene-d4	11.68	152	81021	48.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.28%

Target Compounds

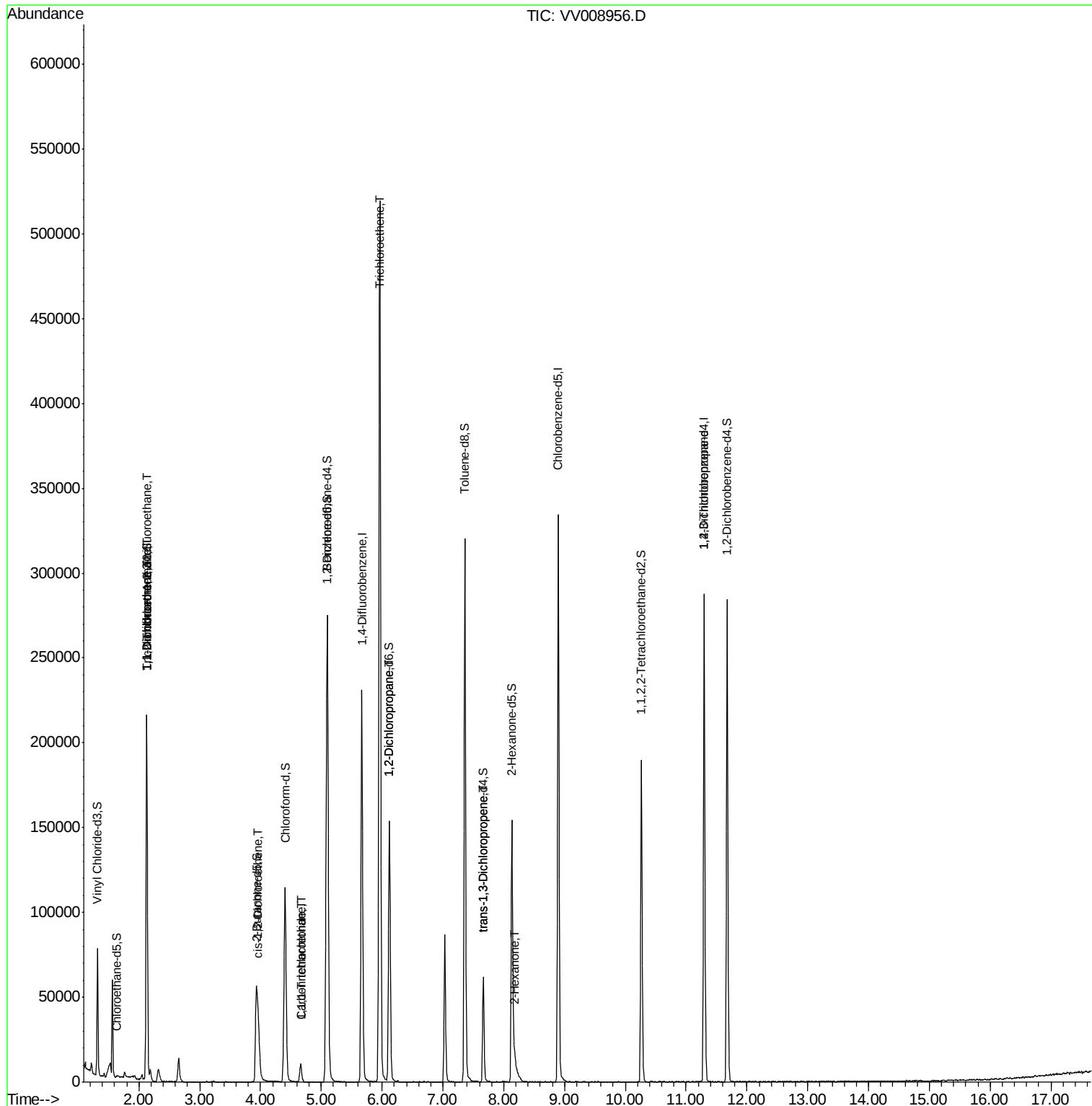
						Qvalue
9) Trichlorofluoromethane	2.13	101	868	0.378	ug/L #	24
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	868	0.619	ug/L #	18
12) 1,1-Dichloroethene	2.14	96	12419	9.727	ug/L #	1
20) cis-1,2-Dichloroethene	3.96	96	13904	9.381	ug/L	92
30) 1,1,1-Trichloroethane	4.66	97	8690	3.729	ug/L	99
31) Carbon tetrachloride	4.66	117	1090	0.518	ug/L	93
34) Trichloroethene	5.96	95	180583	119.317	ug/L	97
37) 1,2-Dichloropropane	6.12	63	8721	6.434	ug/L #	86
44) trans-1,3-Dichloropropene	7.66	75	1489	0.739	ug/L	89
48) 2-Hexanone	8.19	43	3678	2.820	ug/L #	68
59) 1,2,3-Trichloropropane	11.30	75	8268	4.844	ug/L #	88

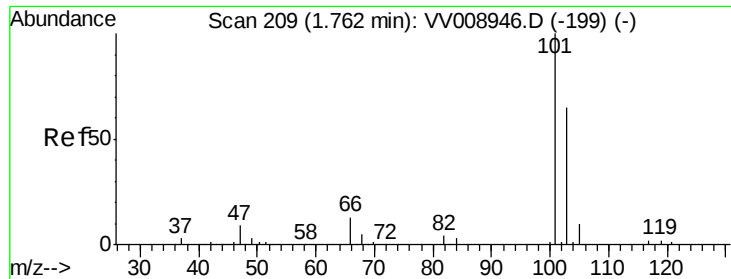
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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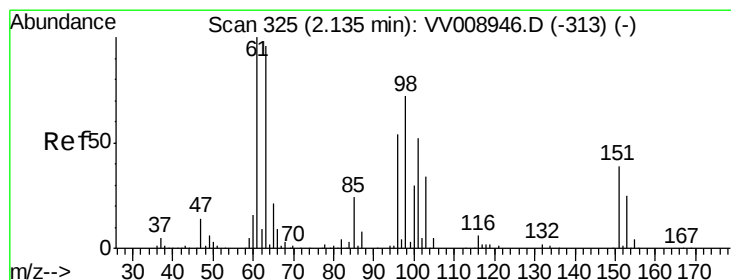
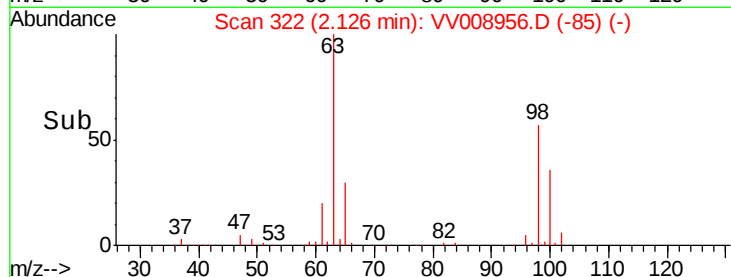
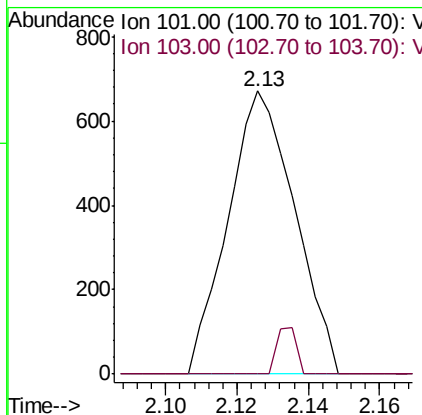
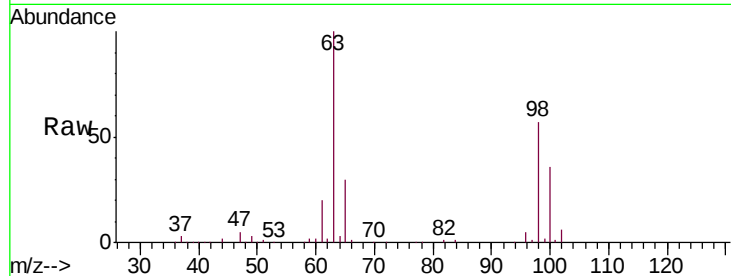


#9

Trichlorofluoromethane
 Concen: 0.378 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. 0.36 min
 Lab File: VV008956.D
 Acq: 15 Dec 2018 01:52

Instrument :
 MSVOA_V
 ClientSampleId :
 COLB1

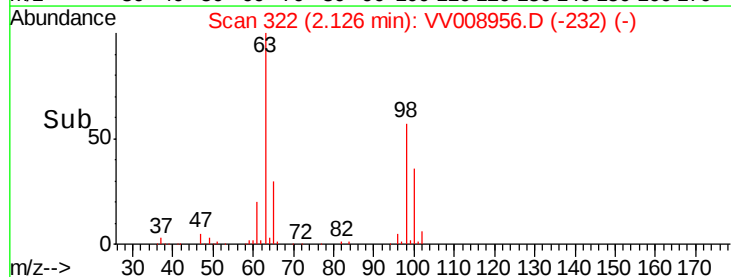
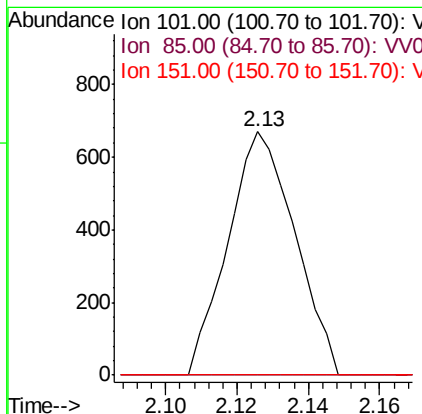
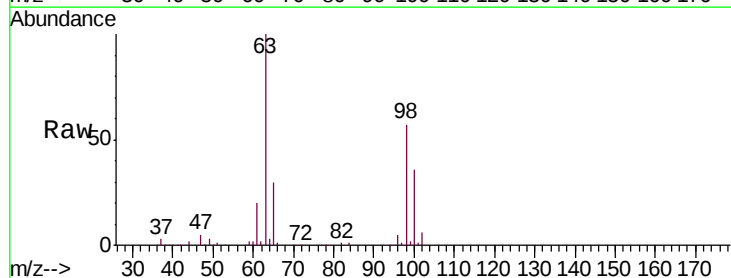
Tgt Ion:101 Resp: 868
 Ion Ratio Lower Upper
 101 100
 103 5.0 51.5 77.3#

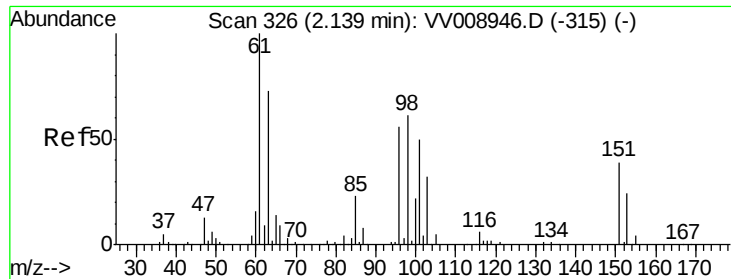


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.619 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV008956.D
 Acq: 15 Dec 2018 01:52

Tgt Ion:101 Resp: 868
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 52.0#
 151 0.0 63.8 95.8#





#12

1,1-Dichloroethene

Concen: 9.727 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008956.D

Acq: 15 Dec 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

COLB1

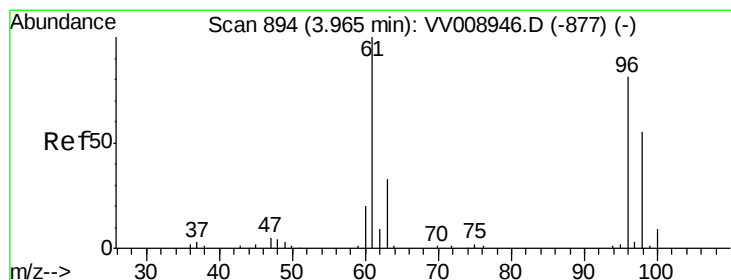
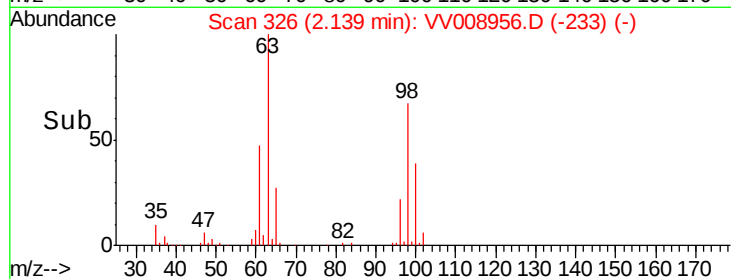
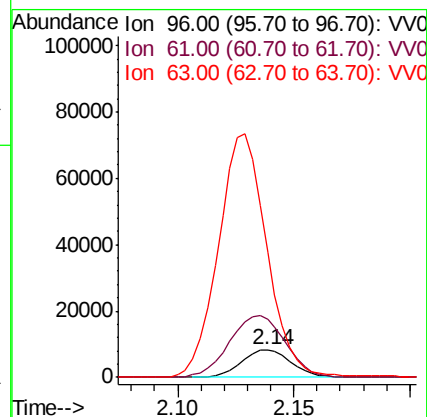
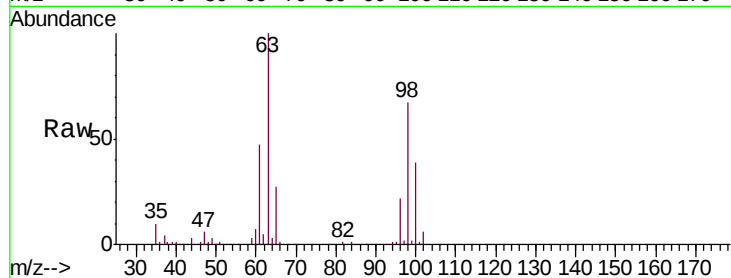
Tgt Ion: 96 Resp: 12419

Ion Ratio Lower Upper

96 100

61 207.6 119.1 221.3

63 446.3 96.0 178.2#



#20

cis-1,2-Dichloroethene

Concen: 9.381 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV008956.D

Acq: 15 Dec 2018 01:52

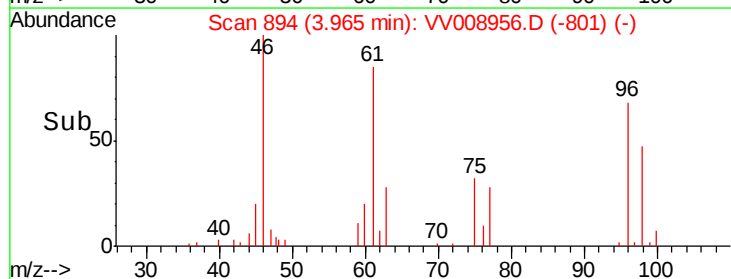
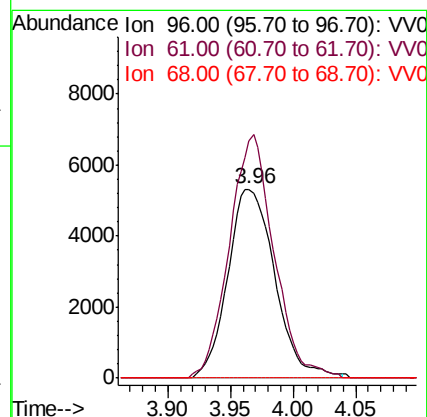
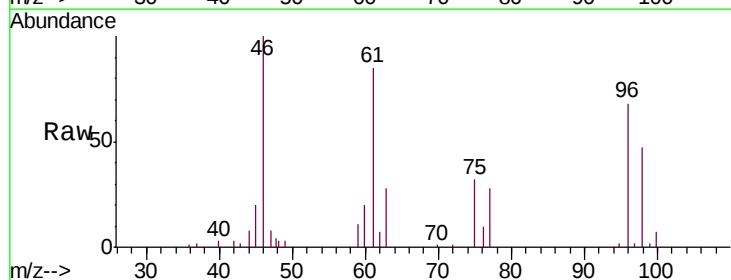
Tgt Ion: 96 Resp: 13904

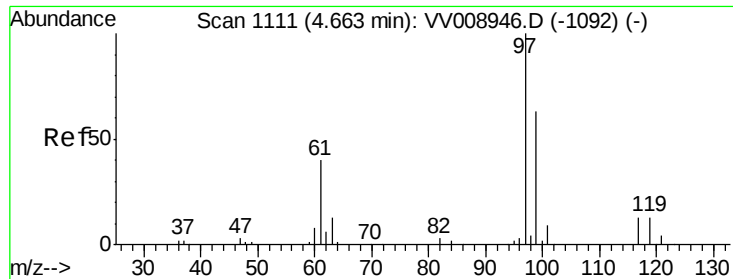
Ion Ratio Lower Upper

96 100

61 125.3 81.9 152.1

68 0.0 0.0 0.0

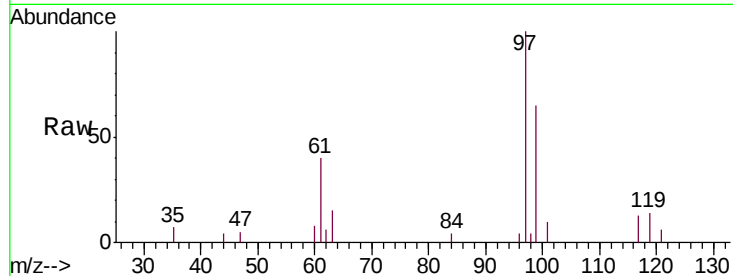




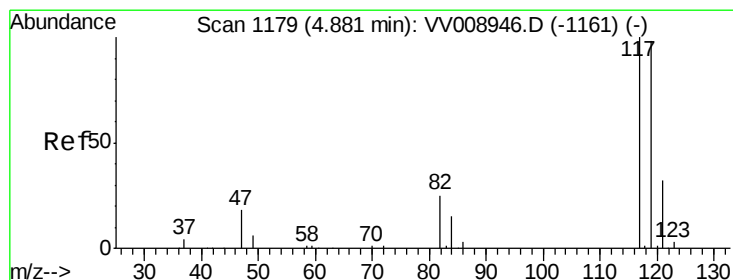
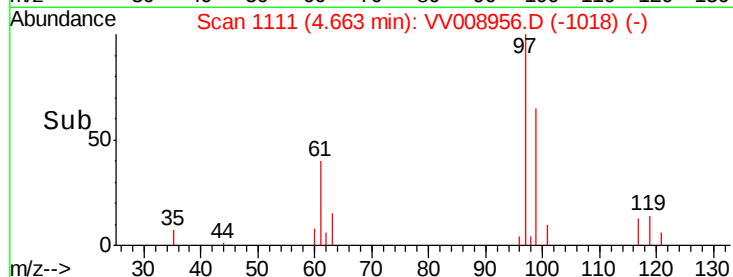
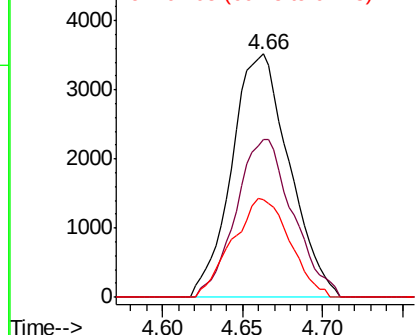
#30
 1,1,1-Trichloroethane
 Concen: 3.729 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV008956.D
 Acq: 15 Dec 2018 01:52

Instrument :
 MSVOA_V
 ClientSampleId :
 COLB1

Tgt Ion: 97 Resp: 8690
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.7 77.5
 61 40.3 32.5 48.7

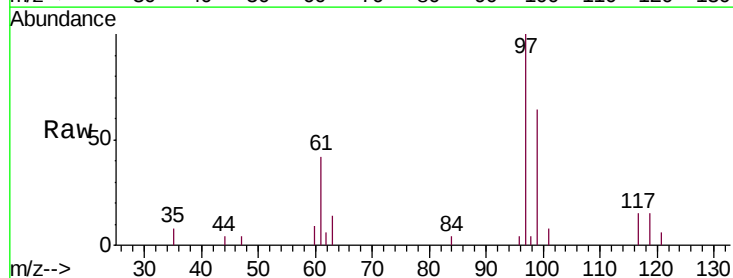


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

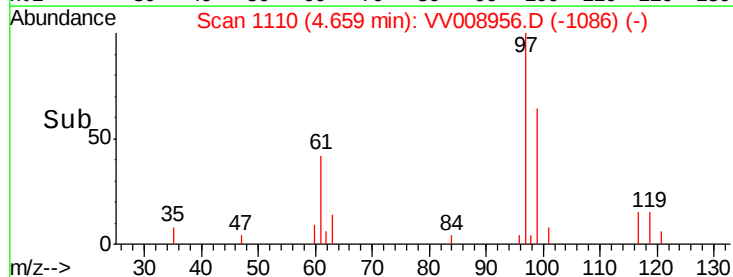
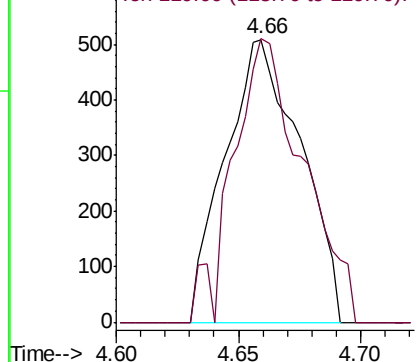


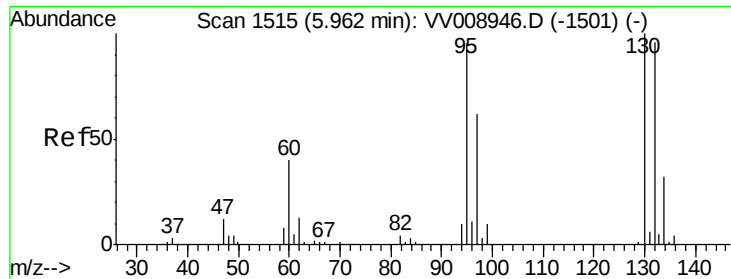
#31
 Carbon tetrachloride
 Concen: 0.518 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.22 min
 Lab File: VV008956.D
 Acq: 15 Dec 2018 01:52

Tgt Ion: 117 Resp: 1090
 Ion Ratio Lower Upper
 117 100
 119 89.9 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#34

Trichloroethene

Concen: 119.317 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008956.D

Acq: 15 Dec 2018 01:52

Instrument :

MSVOA_V

ClientSampled :

COLB1

Tgt Ion: 95 Resp: 180583

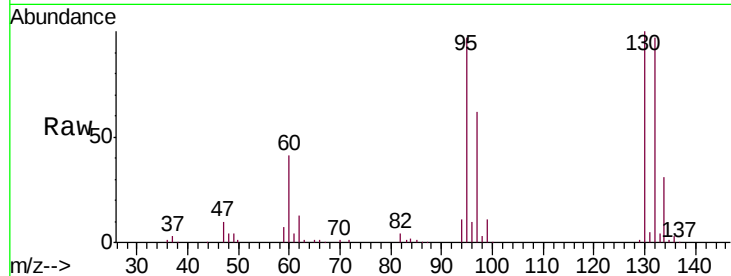
Ion Ratio Lower Upper

95 100

97 63.8 45.7 84.9

132 99.7 72.2 134.2

130 103.1 73.8 137.2

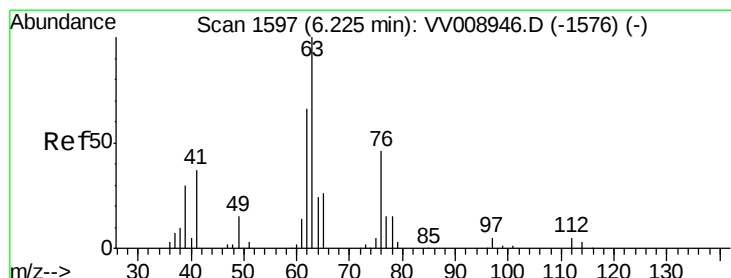
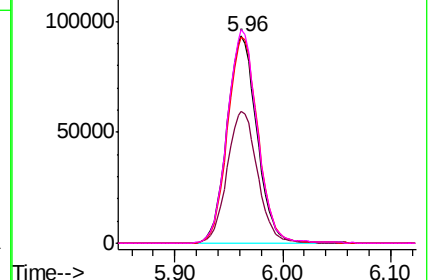
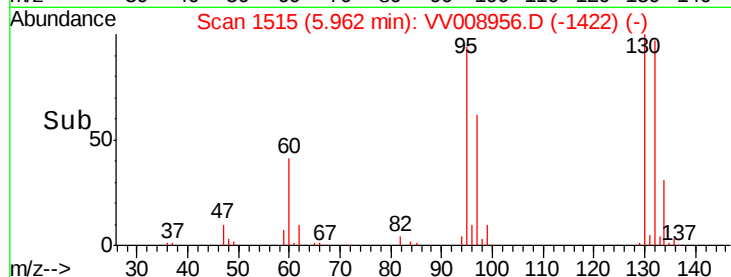


Abundance Ion 95.00 (94.70 to 95.70): VV008946.D (-1501) (-)

Ion 97.00 (96.70 to 97.70): VV008946.D (-1501) (-)

Ion 132.00 (131.70 to 132.70): VV008946.D (-1501) (-)

Ion 130.00 (129.70 to 130.70): VV008946.D (-1501) (-)



#37

1,2-Dichloropropane

Concen: 6.434 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.11 min

Lab File: VV008956.D

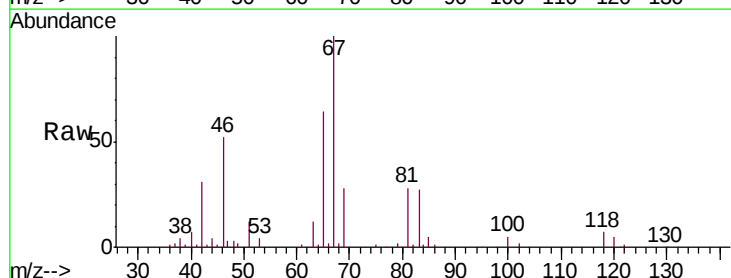
Acq: 15 Dec 2018 01:52

Tgt Ion: 63 Resp: 8721

Ion Ratio Lower Upper

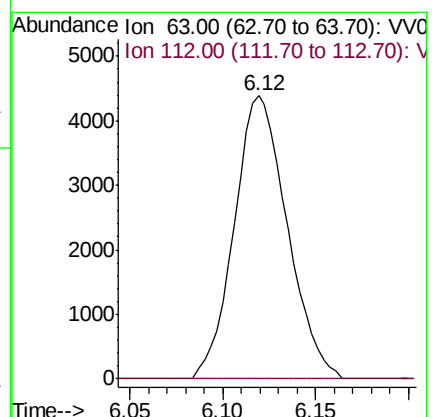
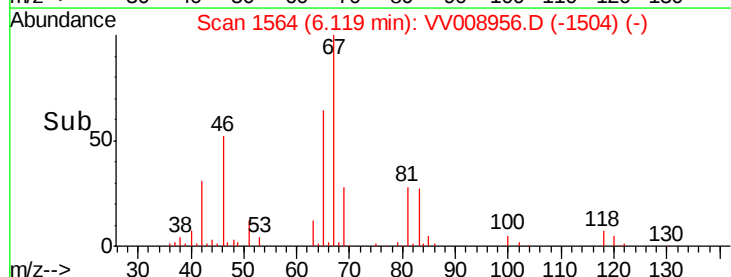
63 100

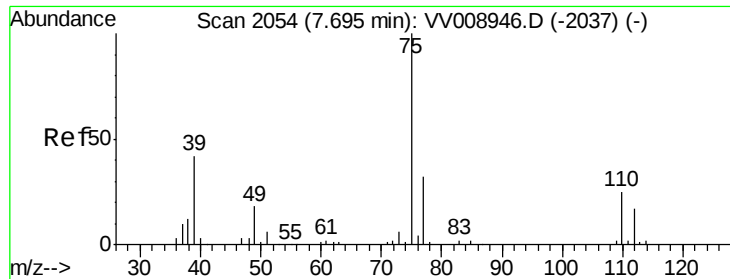
112 0.0 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV008946.D (-1576) (-)

Ion 112.00 (111.70 to 112.70): VV008946.D (-1576) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.739 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV008956.D

Acq: 15 Dec 2018 01:52

Instrument :

MSVOA_V

ClientSampled :

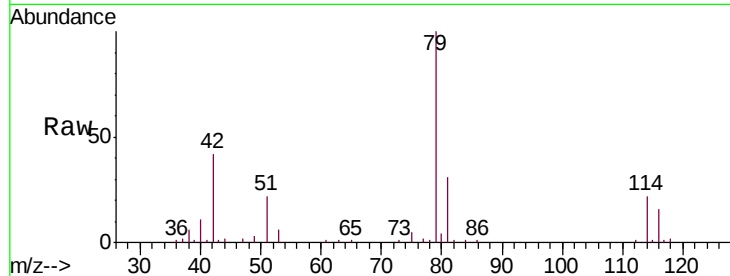
COLB1

Tgt Ion: 75 Resp: 1489

Ion Ratio Lower Upper

75 100

77 36.7 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV008946.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008946.D (-2037) (-)

1200

1000

800

600

400

200

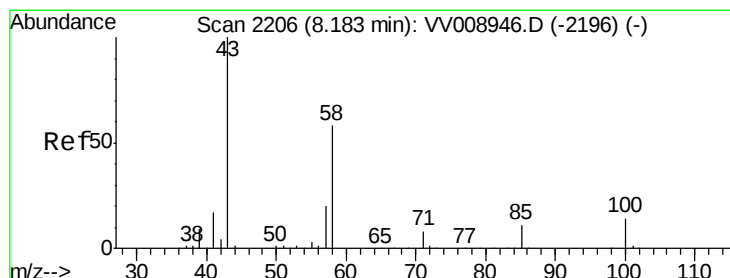
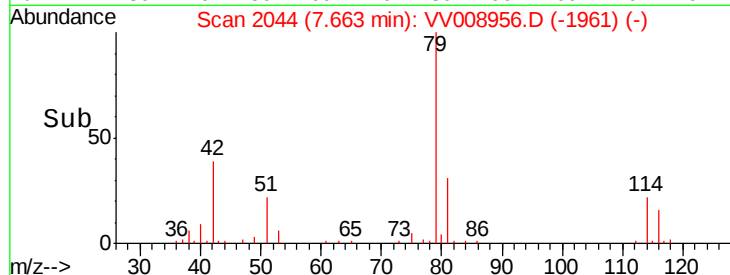
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7.65

7.66

7.70

Time-->



#48

2-Hexanone

Concen: 2.820 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV008956.D

Acq: 15 Dec 2018 01:52

Tgt Ion: 43 Resp: 3678

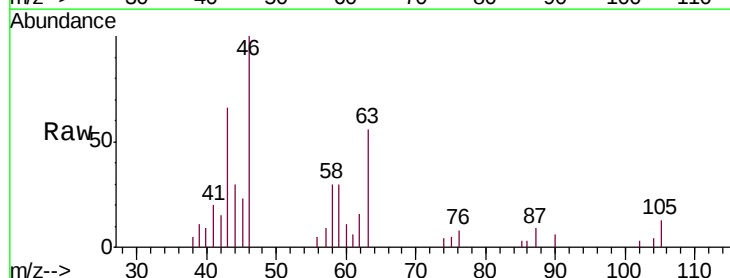
Ion Ratio Lower Upper

43 100

58 33.0 42.7 64.1#

57 1.4 15.7 23.5#

100 1.1 11.3 16.9#



Abundance Ion 43.00 (42.70 to 43.70): VV008946.D (-2196) (-)

Ion 58.00 (57.70 to 58.70): VV008946.D (-2196) (-)

Ion 57.00 (56.70 to 57.70): VV008946.D (-2196) (-)

Ion 100.00 (99.70 to 100.70): VV008946.D (-2196) (-)

3000

2500

2000

1500

1000

500

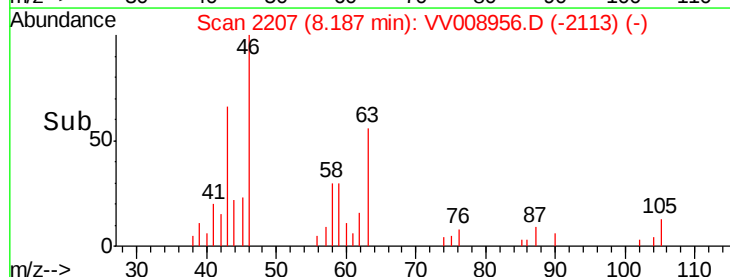
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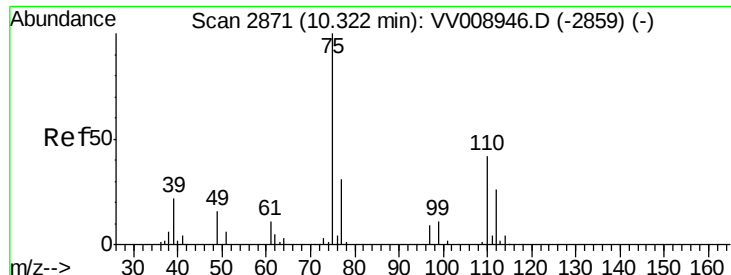
8.15

8.19

8.20

Time-->





#59
 1,2,3-Trichloropropane
 Concen: 4.844 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.97 min
 Lab File: VV008956.D
 Acq: 15 Dec 2018 01:52

Instrument :
 MSVOA_V
 ClientSampleId :
 COLB1

Tgt Ion: 75 Resp: 8268
 Ion Ratio Lower Upper
 75 100
 77 38.8 25.8 38.8#

