

Data File : VV012878.D
Acq On : 17 Sep 2019 21:59
Operator : SY/MD
Sample : K4892-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COMQ9

Quant Time: Sep 18 01:13:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 01:09:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	379407	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	375965	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	137696	5.00	ug/L	0.00

System Monitoring Compounds

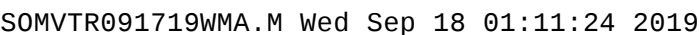
4) Vinyl Chloride-d3	1.32	65	198007	5.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.40%
7) Chloroethane-d5	1.58	69	157889	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.13	63	244694	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	3.98	46	432883	55.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.10%
24) Chloroform-d	4.40	84	317079	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.08	65	168923	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.80%
32) Benzene-d6	5.09	84	656529	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.12	67	202876	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.36	98	532135	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	7.66	79	66417	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.14	63	310679	54.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	151575	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	182915	6.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	123.00%#

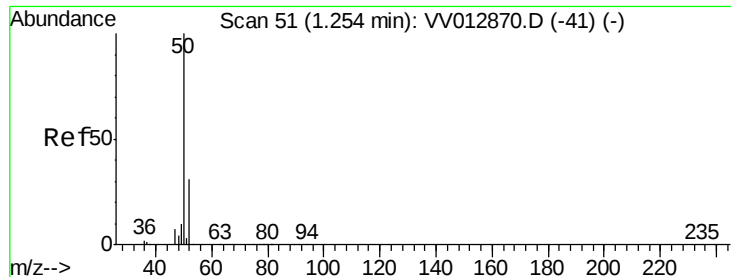
Target Compounds

					Qvalue
3) Chloromethane	1.25	50	5113	0.194 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2367	0.106 ug/L #	28
12) 1,1-Dichloroethene	2.14	96	6616	0.325 ug/L #	1
19) 1,1-Dichloroethane	3.23	63	8269	0.177 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	8711	0.343 ug/L	92
25) Chloroform	4.43	83	18909	0.360 ug/L	95
27) 1,2-Dichloroethane	5.10	62	3981	0.143 ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	3303	0.085 ug/L	92
35) Methylcyclohexane	6.12	83	47927	1.421 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	21730	0.817 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	4407	0.125 ug/L #	52
42) Toluene	7.43	91	7377	0.073 ug/L	98
44) trans-1,3-Dichloropropene	7.66	75	3061	0.109 ug/L #	74
48) 2-Hexanone	8.14	43	46380	3.750 ug/L #	80

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

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 01:09:35 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.194 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

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MSVOA_V

ClientSampleId :

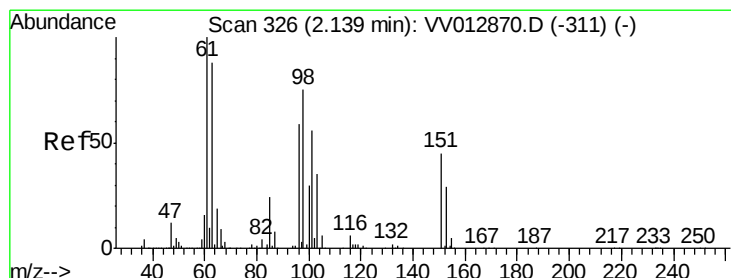
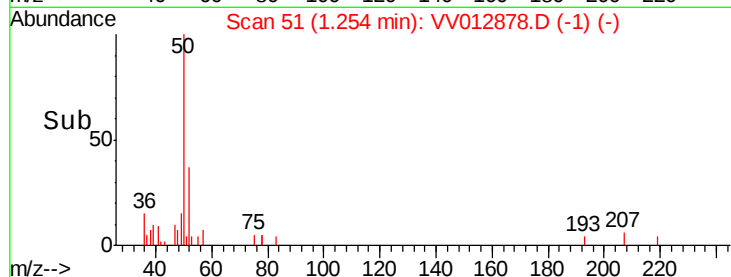
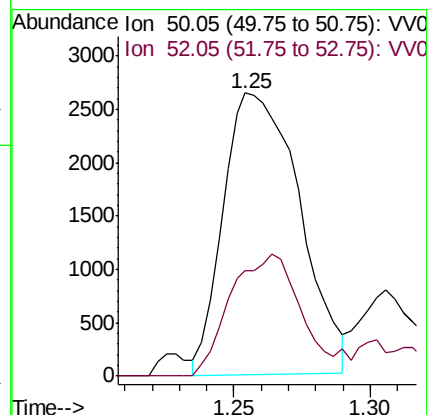
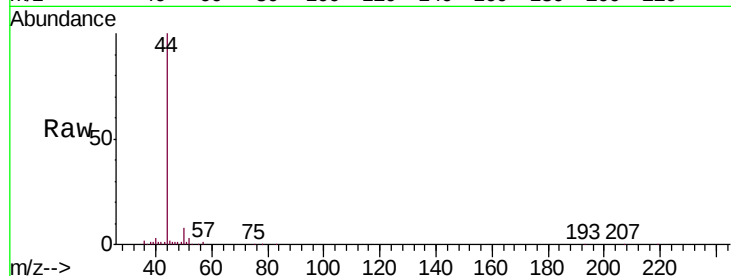
COMQ9

Tgt Ion: 50 Resp: 5113

Ion Ratio Lower Upper

50 100

52 37.2 22.8 42.4



#10

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

Concen: 0.106 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012878.D

Acq: 17 Sep 2019 21:59

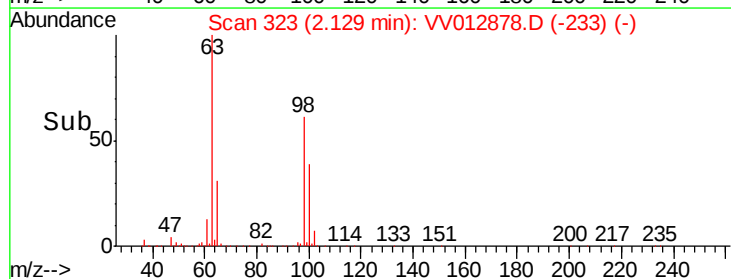
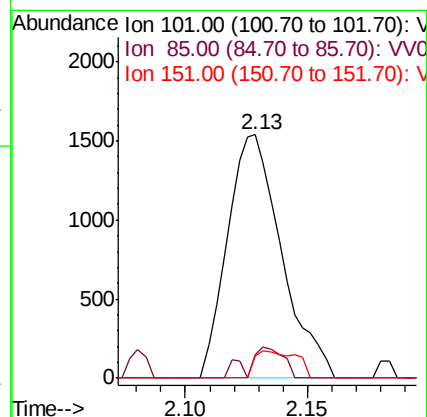
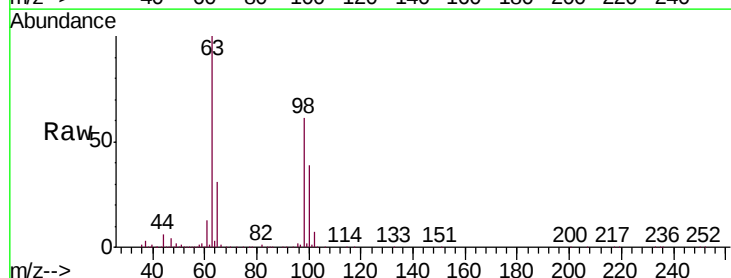
Tgt Ion: 101 Resp: 2367

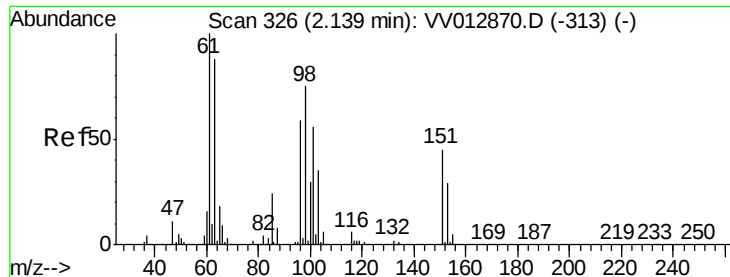
Ion Ratio Lower Upper

101 100

85 6.5 33.5 50.3#

151 8.5 64.0 96.0#





#12

1,1-Dichloroethene

Concen: 0.325 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012878.D

Acq: 17 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

COMQ9

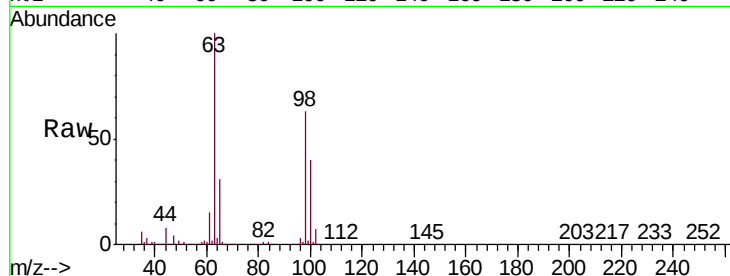
Tgt Ion: 96 Resp: 6616

Ion Ratio Lower Upper

96 100

61 468.2 116.1 215.5#

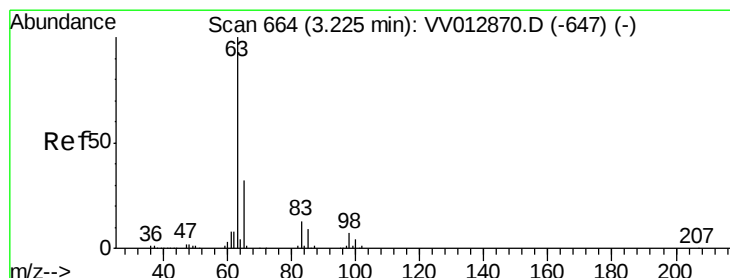
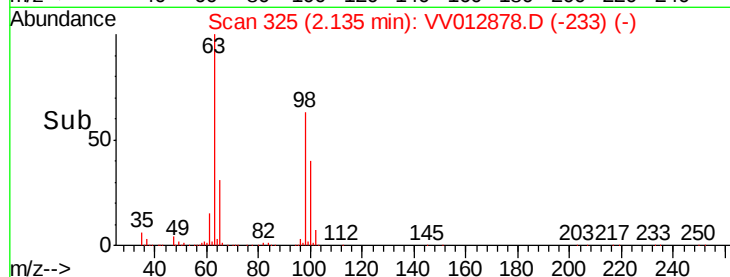
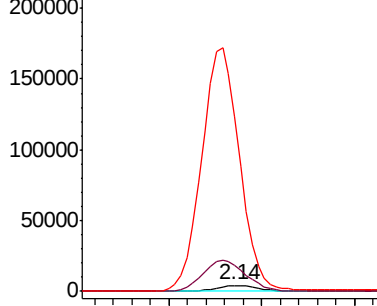
63 3091.7 113.3 210.3#



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



#19

1,1-Dichloroethane

Concen: 0.177 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.01 min

Lab File: VV012878.D

Acq: 17 Sep 2019 21:59

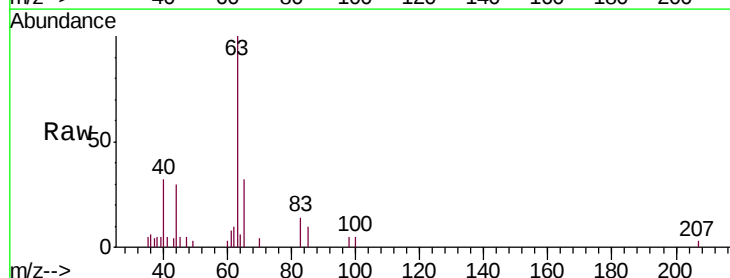
Tgt Ion: 63 Resp: 8269

Ion Ratio Lower Upper

63 100

65 31.7 22.0 41.0

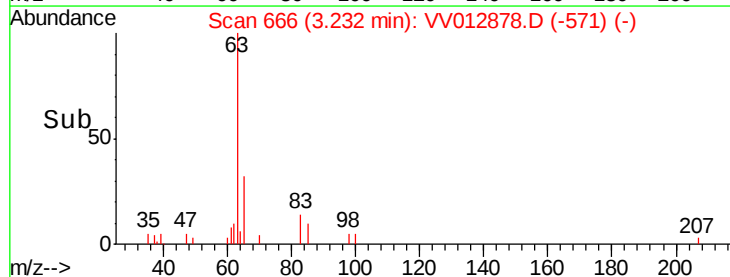
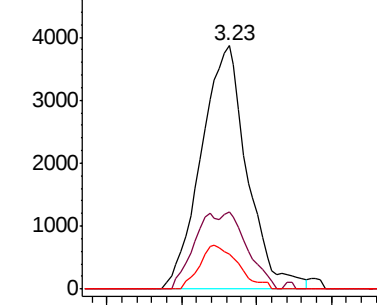
83 14.4 9.2 17.0

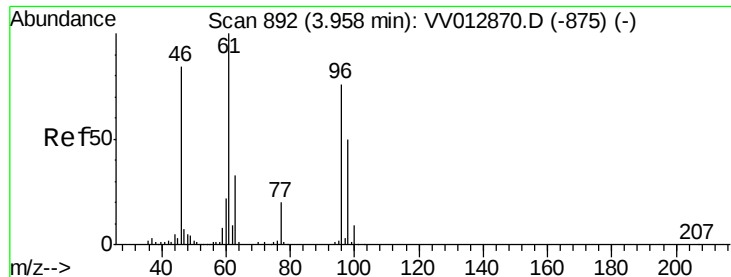


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



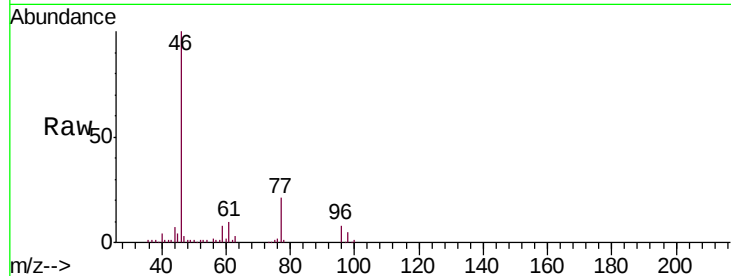


#22

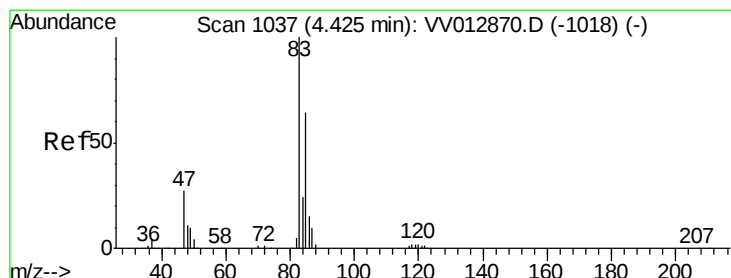
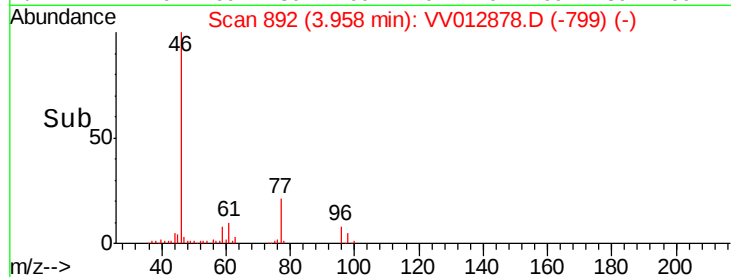
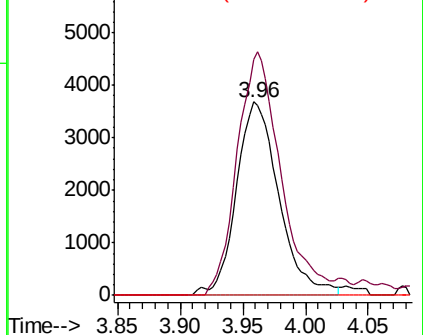
cis-1,2-Dichloroethene
 Concen: 0.343 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012878.D
 Acq: 17 Sep 2019 21:59

Instrument :
 MSVOA_V
 ClientSampleId :
 COMQ9

Tgt Ion: 96 Resp: 8711
 Ion Ratio Lower Upper
 96 100
 61 122.2 91.8 170.6
 68 0.0 0.0 0.0



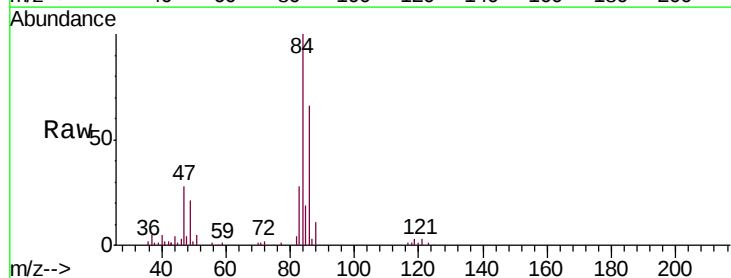
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



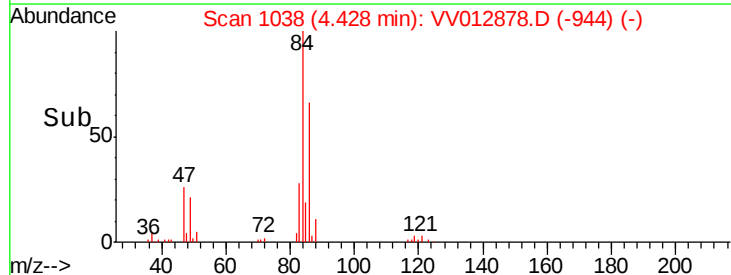
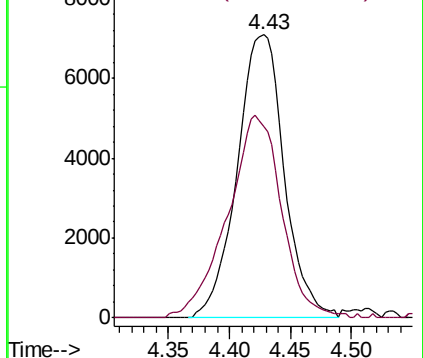
#25

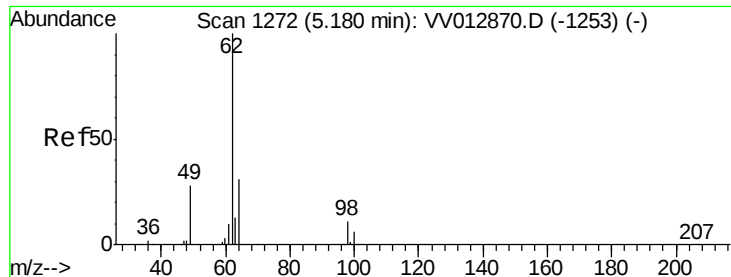
Chloroform
 Concen: 0.360 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV012878.D
 Acq: 17 Sep 2019 21:59

Tgt Ion: 83 Resp: 18909
 Ion Ratio Lower Upper
 83 100
 85 67.8 44.4 82.5



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





#27

1,2-Dichloroethane

Concen: 0.143 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV012878.D

Acq: 17 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

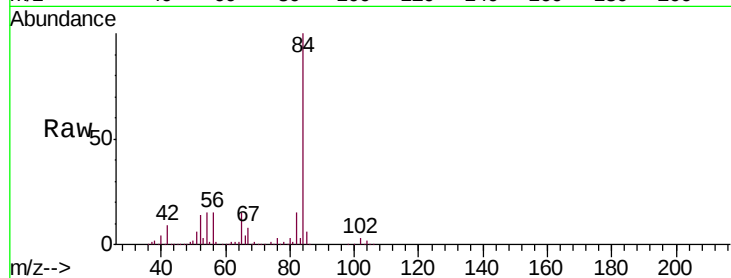
C0MQ9

Tgt Ion: 62 Resp: 3981

Ion Ratio Lower Upper

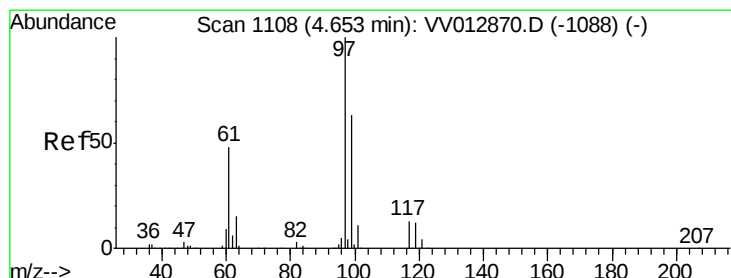
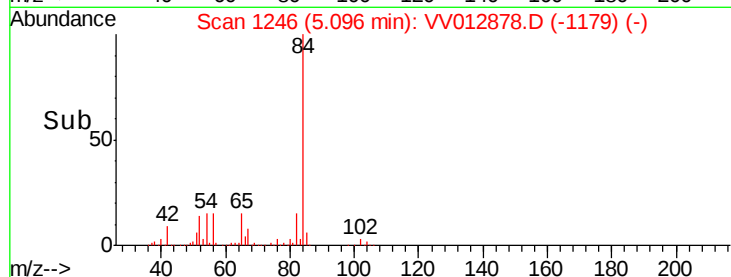
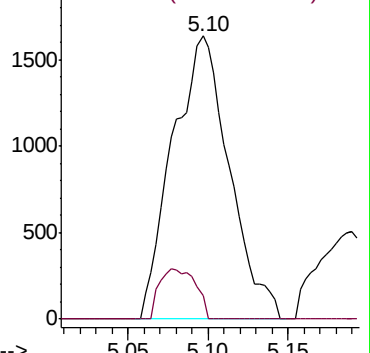
62 100

98 8.5 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VV012870.D (-1253) (-)

Ion 98.05 (97.75 to 98.75): VV012870.D (-1253) (-)



#29

1,1,1-Trichloroethane

Concen: 0.085 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV012878.D

Acq: 17 Sep 2019 21:59

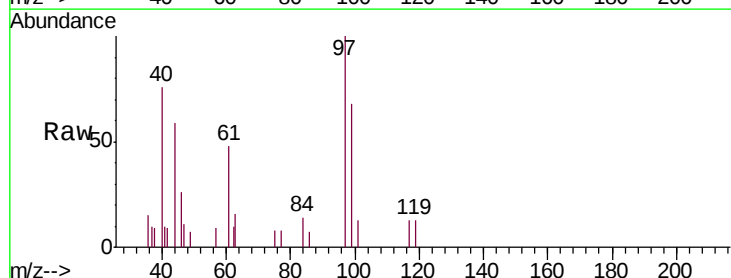
Tgt Ion: 97 Resp: 3303

Ion Ratio Lower Upper

97 100

99 74.0 50.9 76.3

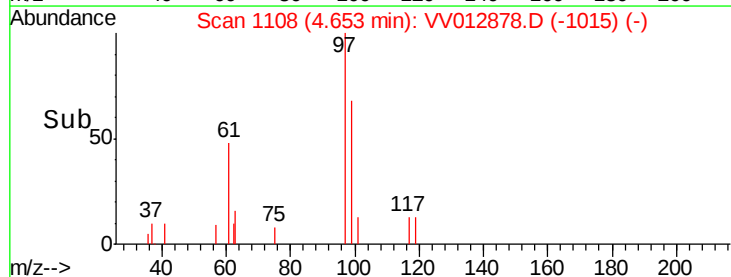
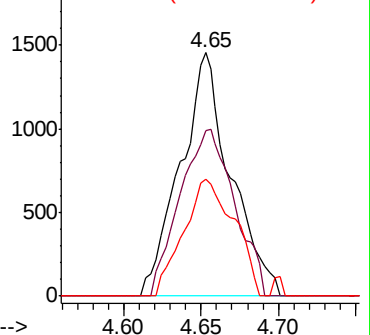
61 48.3 38.2 57.2

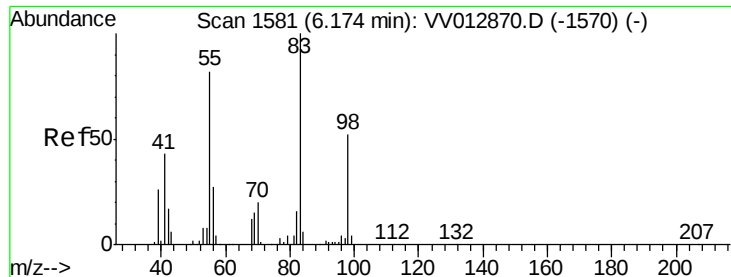


Abundance Ion 96.95 (96.65 to 97.65): VV012870.D (-1088) (-)

Ion 99.05 (98.75 to 99.75): VV012870.D (-1088) (-)

Ion 61.05 (60.75 to 61.75): VV012870.D (-1088) (-)





#35

Methylcyclohexane

Concen: 1.421 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV012878.D

Acq: 17 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

COMQ9

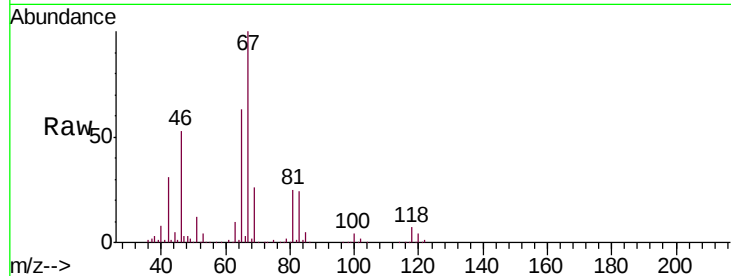
Tgt Ion: 83 Resp: 47927

Ion Ratio Lower Upper

83 100

55 0.4 63.8 95.6#

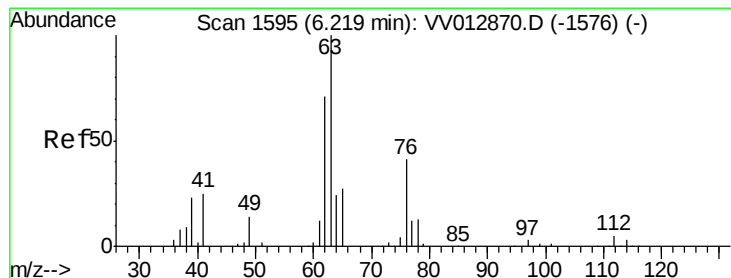
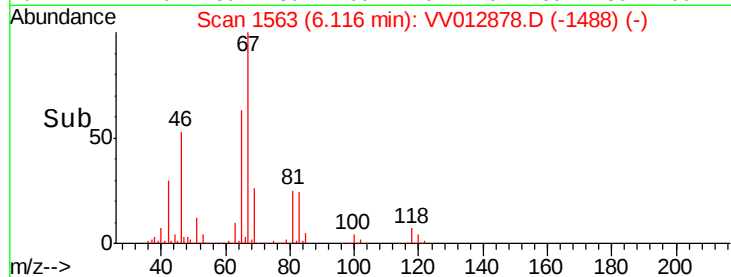
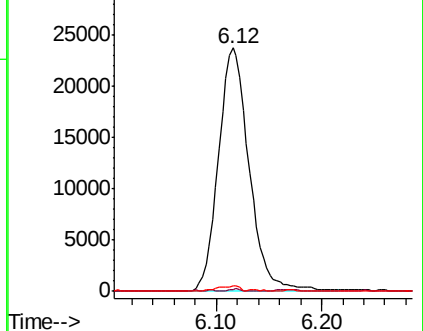
98 1.6 38.2 57.4#



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: 0.817 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012878.D

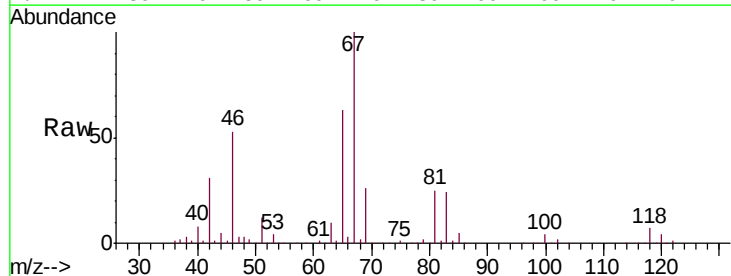
Acq: 17 Sep 2019 21:59

Tgt Ion: 63 Resp: 21730

Ion Ratio Lower Upper

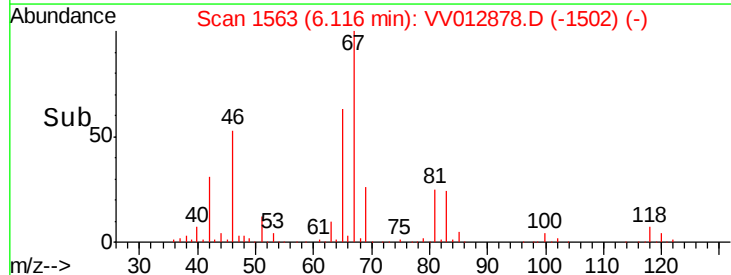
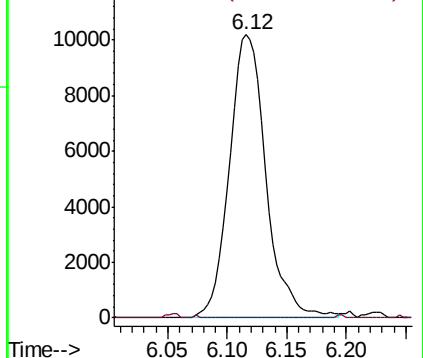
63 100

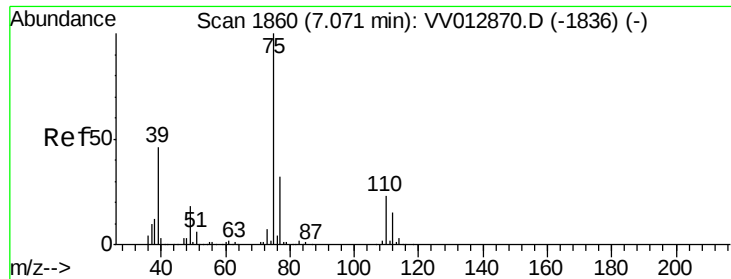
112 0.1 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.125 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV012878.D

Acq: 17 Sep 2019 21:59

Instrument :

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ClientSampleId :

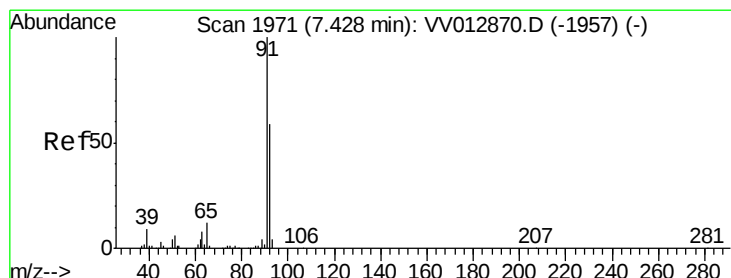
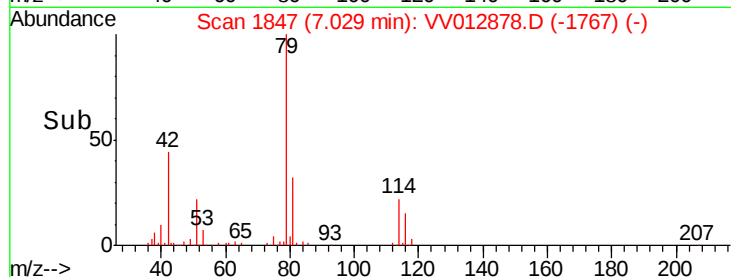
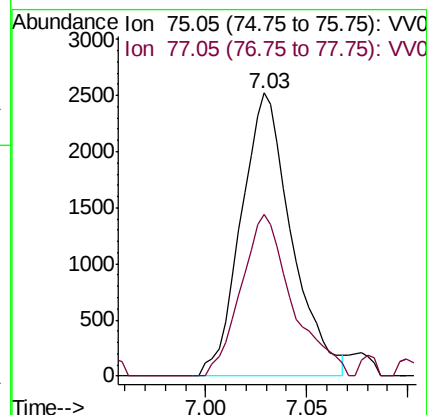
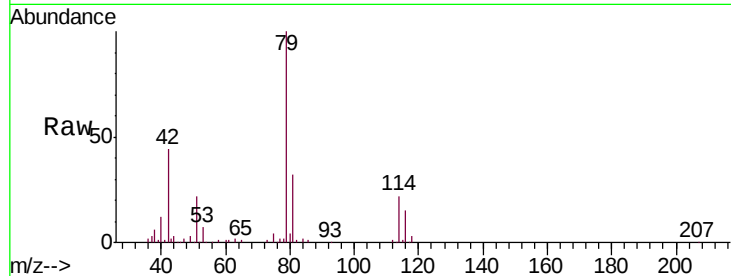
COMQ9

Tgt Ion: 75 Resp: 4407

Ion Ratio Lower Upper

75 100

77 57.0 21.6 40.0#



#42

Toluene

Concen: 0.073 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV012878.D

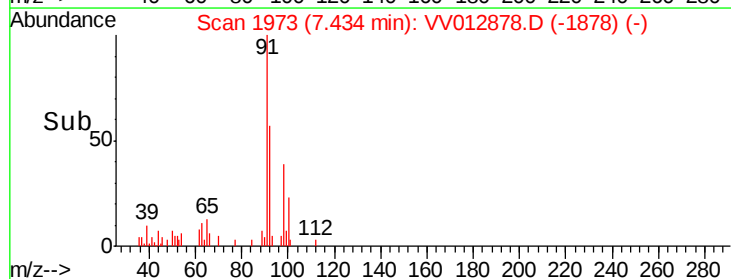
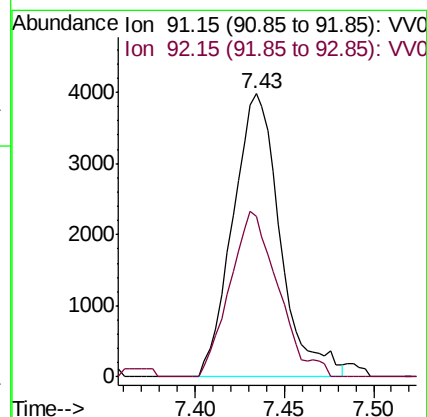
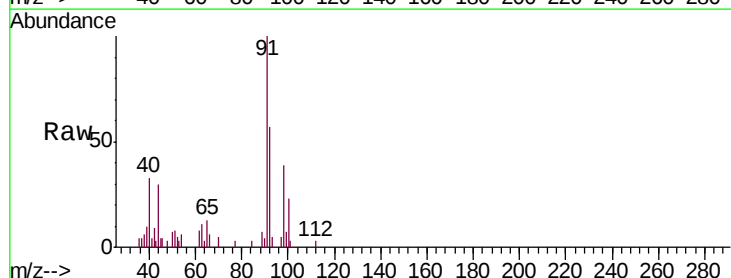
Acq: 17 Sep 2019 21:59

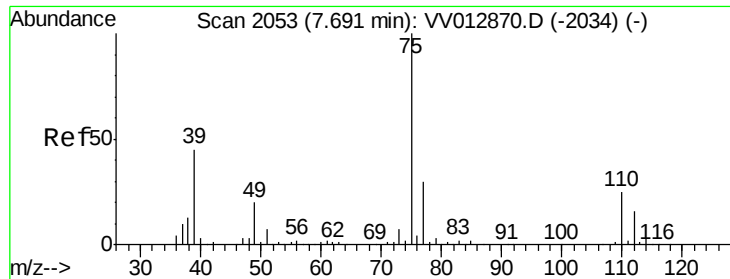
Tgt Ion: 91 Resp: 7377

Ion Ratio Lower Upper

91 100

92 56.7 40.8 75.8

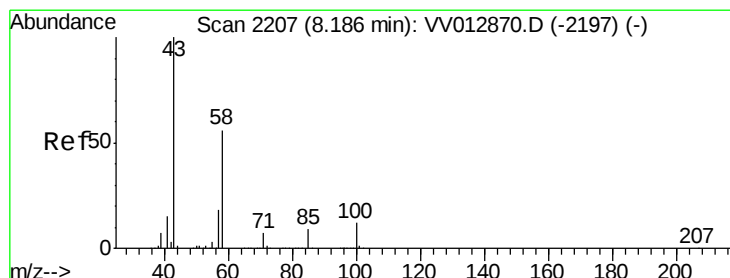
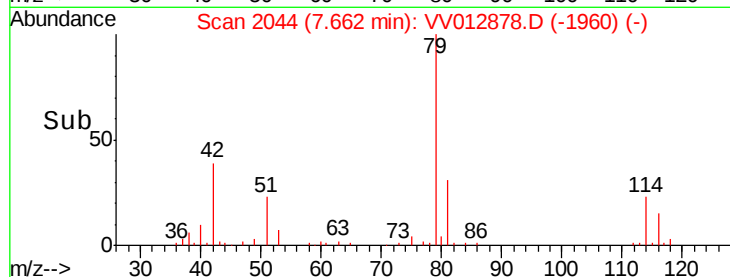
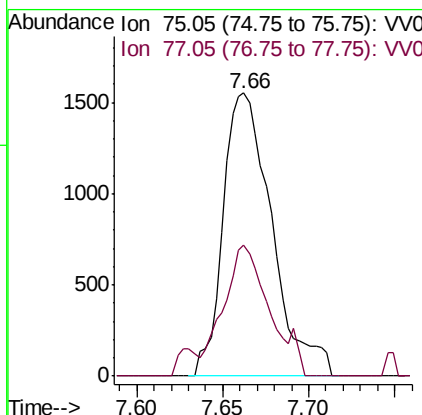
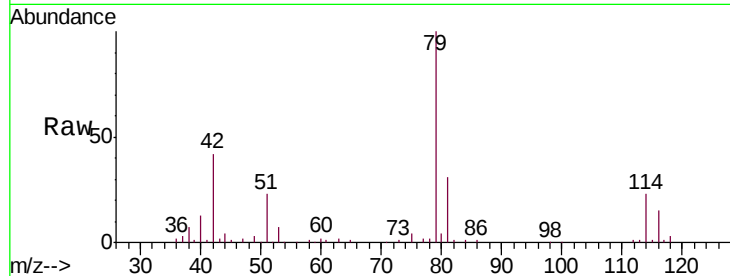




#44
trans-1,3-Dichloropropene
Concen: 0.109 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV012878.D
Acq: 17 Sep 2019 21:59

Instrument :
MSVOA_V
ClientSampleId :
COMQ9

Tgt Ion: 75 Resp: 3061
Ion Ratio Lower Upper
75 100
77 46.4 22.5 41.7#



#48
2-Hexanone
Concen: 3.750 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.05 min
Lab File: VV012878.D
Acq: 17 Sep 2019 21:59

Tgt Ion: 43 Resp: 46380
Ion Ratio Lower Upper
43 100
58 43.1 44.5 66.7#
57 30.0 15.0 22.6#
100 3.2 9.7 14.5#

