

Data File : VU036631.D
Acq On : 30 Jan 2020 20:23
Operator : JC/MD
Sample : L1326-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBCS9

Quant Time: Jan 31 04:04:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 31 04:01:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	288031	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	269458	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	125045	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	83548	38.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.46%
7) Chloroethane-d5	1.93	69	76544	41.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.70%
11) 1,1-Dichloroethene-d2	2.59	63	110948	31.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.62%
21) 2-Butanone-d5	4.68	46	154732	120.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.83%
24) Chloroform-d	5.11	84	158069	44.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.50%
26) 1,2-Dichloroethane-d4	5.74	65	98962	44.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.88%
32) Benzene-d6	5.77	84	342563	45.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.38%
36) 1,2-Dichloropropane-d6	6.73	67	112057	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.88%
41) Toluene-d8	7.93	98	324684	44.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.06%
43) trans-1,3-Dichloropropene-	8.21	79	51320	45.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.36%
47) 2-Hexanone-d5	8.67	63	133563	121.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.94%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	168224	48.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.88%
64) 1,2-Dichlorobenzene-d4	12.21	152	123160	45.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

					Qvalue
5) Vinyl chloride	1.62	62	13374	5.370 ug/L #	54
8) Chloroethane	1.62	64	5897	3.929 ug/L	90
12) 1,1-Dichloroethene	2.60	96	1426	0.797 ug/L #	1
13) Acetone	2.66	43	21573	17.404 ug/L	100
14) Carbon disulfide	2.82	76	21930	4.054 ug/L #	95
17) trans-1,2-Dichloroethene	3.39	96	11259	5.854 ug/L	95
20) cis-1,2-Dichloroethene	4.71	96	1186567	542.790 ug/L	98
22) 2-Butanone	4.76	43	8225	5.523 ug/L #	41
25) Chloroform	5.13	83	61613	17.522 ug/L	98
27) 1,2-Dichloroethane	5.83	62	5059	1.923 ug/L #	92
34) Trichloroethene	6.58	95	40518	19.540 ug/L	98
37) 1,2-Dichloropropane	6.73	63	10946	5.346 ug/L	100
39) cis-1,3-Dichloropropene	7.60	75	2689	0.815 ug/L #	43
45) 1,1,2-Trichloroethane	8.43	97	12051	5.868 ug/L	96
46) Tetrachloroethene	8.58	164	32685	19.403 ug/L	95
49) Dibromochloromethane	8.58	129	31094	14.302 ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	13971	5.047 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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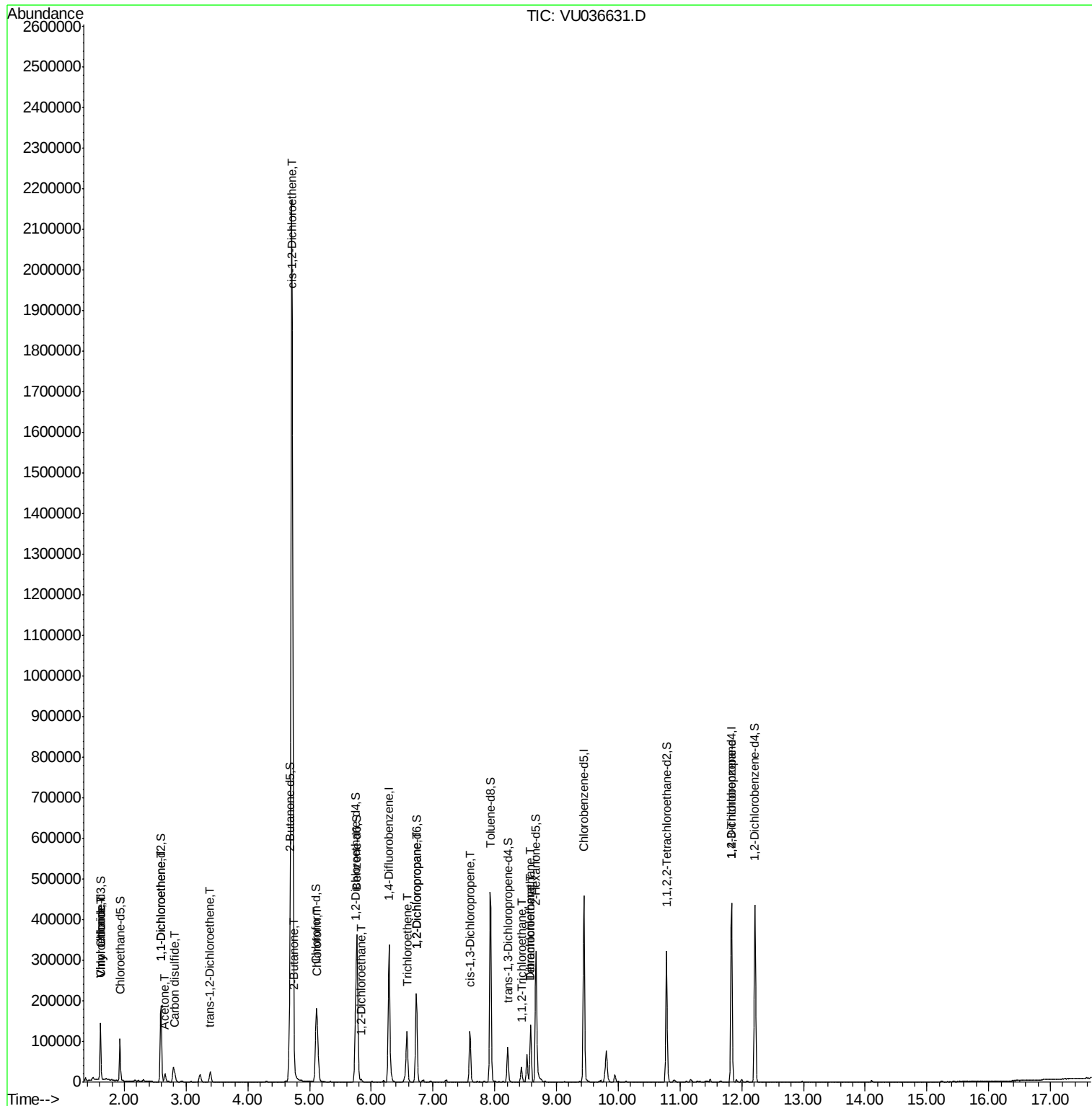
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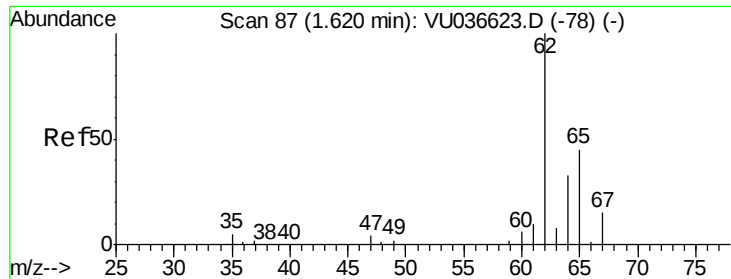
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.370 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036631.D

Acq: 30 Jan 2020 20:23

Instrument :

MSVOA_U

ClientSampleID :

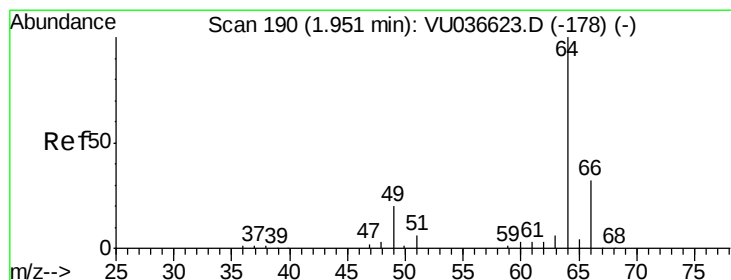
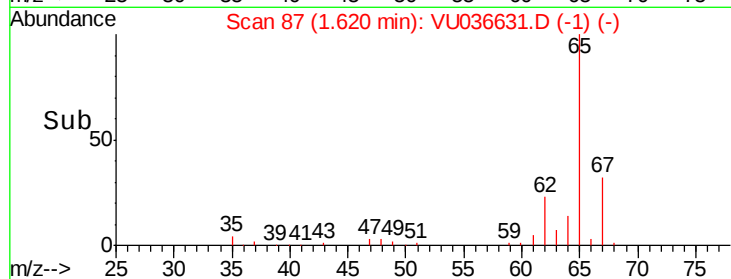
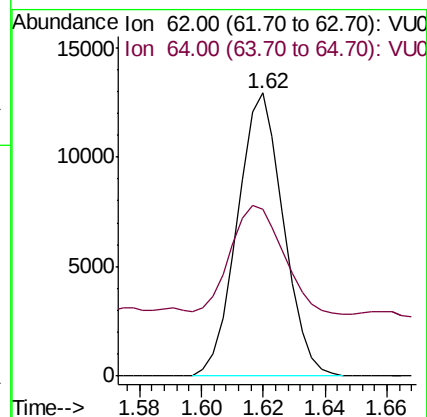
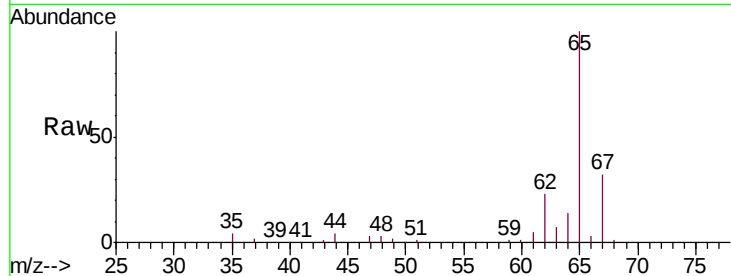
DBCS9

Tgt Ion: 62 Resp: 13374

Ion Ratio Lower Upper

62 100

64 58.8 22.9 42.5#



#8

Chloroethane

Concen: 3.929 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.33 min

Lab File: VU036631.D

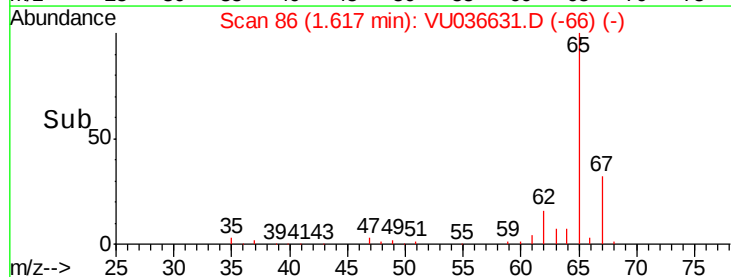
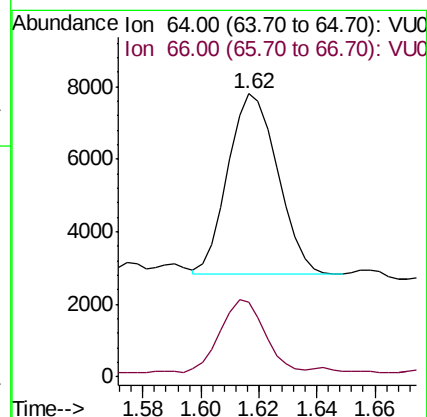
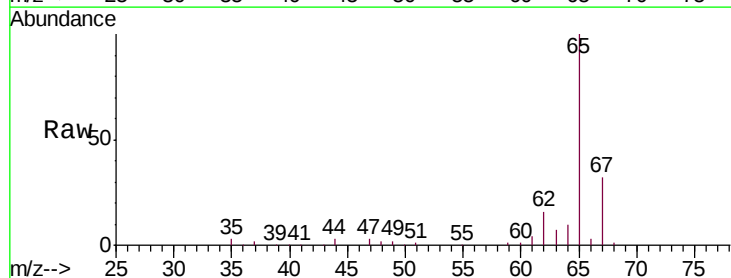
Acq: 30 Jan 2020 20:23

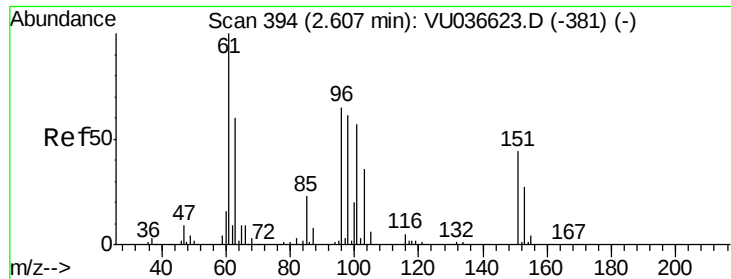
Tgt Ion: 64 Resp: 5897

Ion Ratio Lower Upper

64 100

66 26.6 22.4 41.6

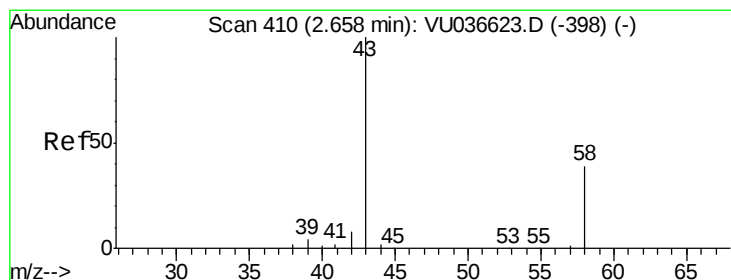
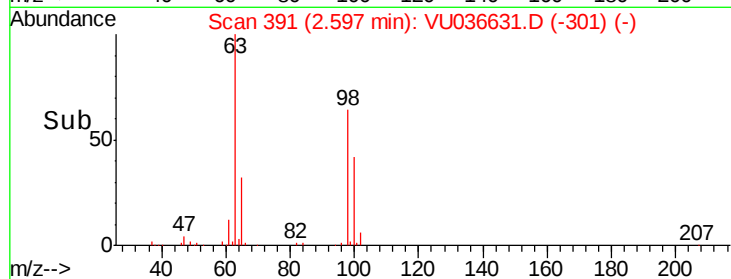
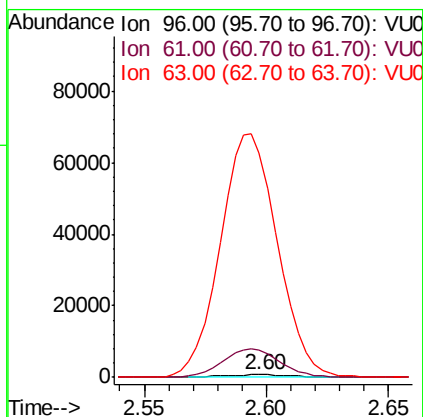
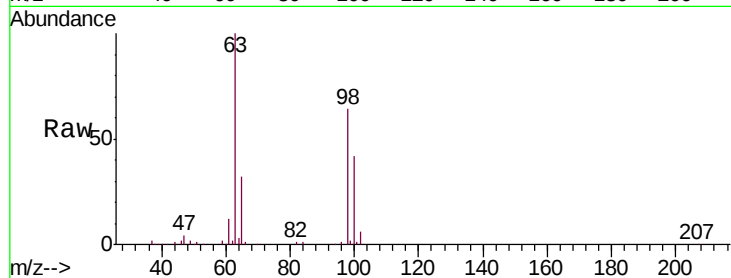




#12
 1,1-Dichloroethene
 Concen: 0.797 ug/L
 RT: 2.60 min Scan# 391
 Delta R.T. -0.01 min
 Lab File: VU036631.D
 Acq: 30 Jan 2020 20:23

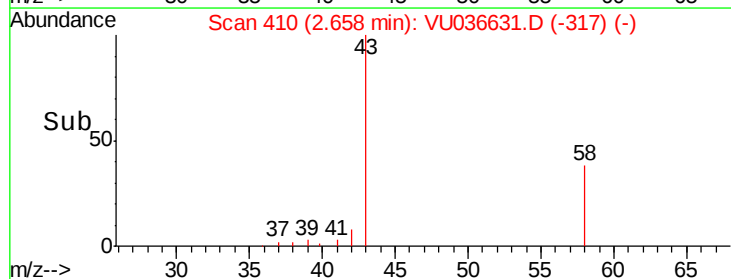
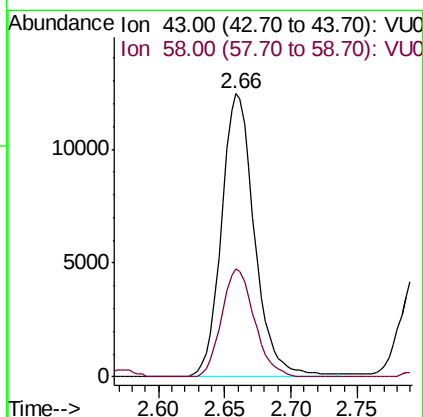
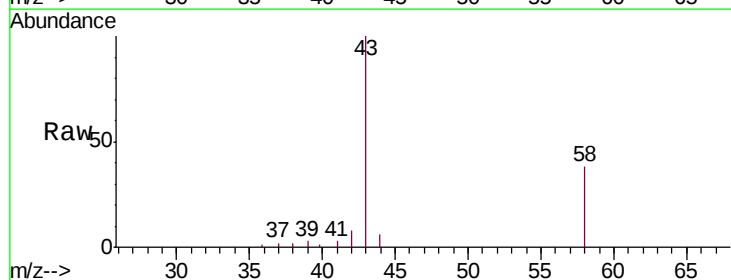
Instrument :
 MSVOA_U
 ClientSampleId :
 DBCS9

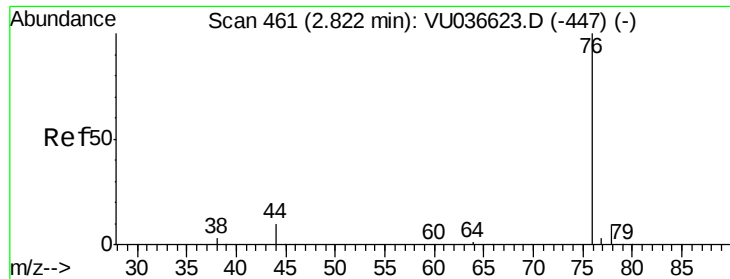
Tgt Ion: 96 Resp: 1426
 Ion Ratio Lower Upper
 96 100
 61 963.7 108.6 201.8#
 63 8019.5 75.0 139.2#



#13
 Acetone
 Concen: 17.404 ug/L
 RT: 2.66 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: VU036631.D
 Acq: 30 Jan 2020 20:23

Tgt Ion: 43 Resp: 21573
 Ion Ratio Lower Upper
 43 100
 58 37.7 0.0 75.4





#14

Carbon disulfide

Concen: 4.054 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036631.D

Acq: 30 Jan 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

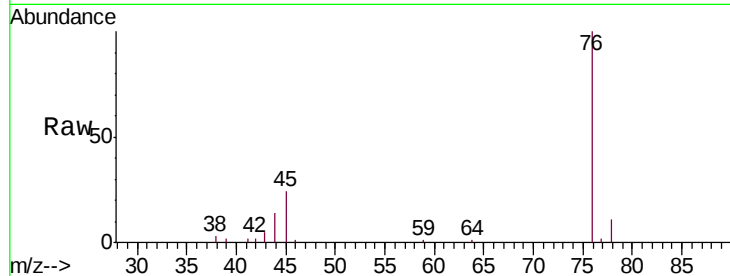
DBCS9

Tgt Ion: 76 Resp: 21930

Ion Ratio Lower Upper

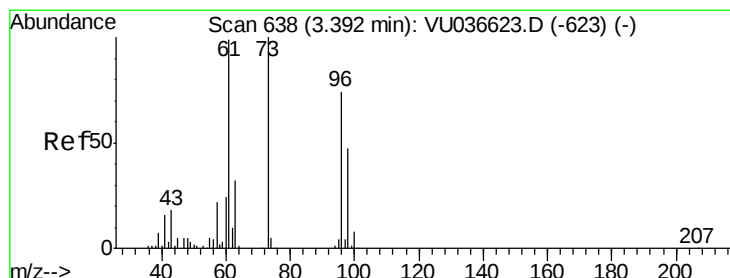
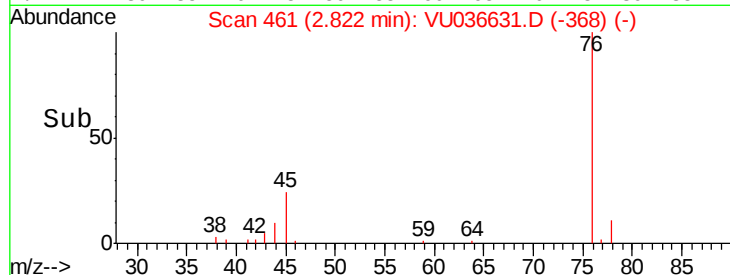
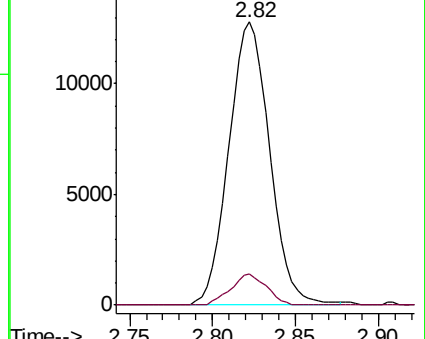
76 100

78 10.9 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VU036631.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036631.D (-368) (-)



#17

trans-1,2-Dichloroethene

Concen: 5.854 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036631.D

Acq: 30 Jan 2020 20:23

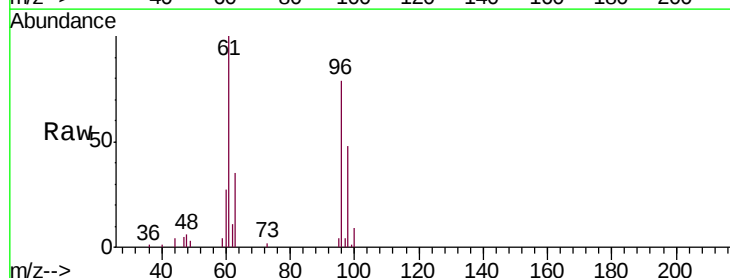
Tgt Ion: 96 Resp: 11259

Ion Ratio Lower Upper

96 100

61 127.4 93.4 173.4

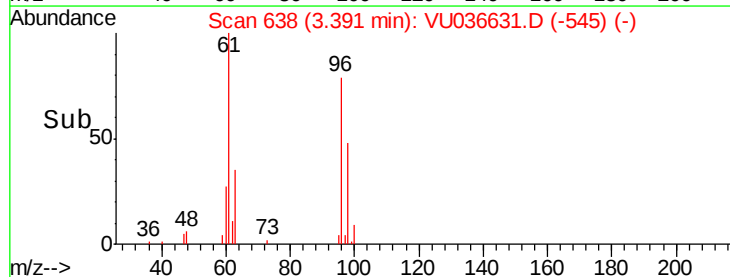
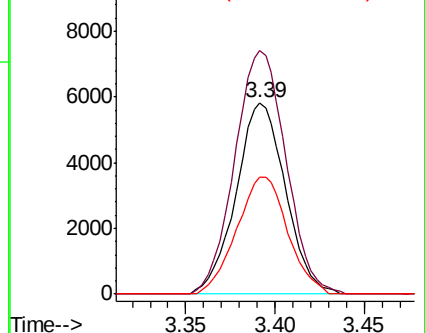
98 61.1 46.1 85.5

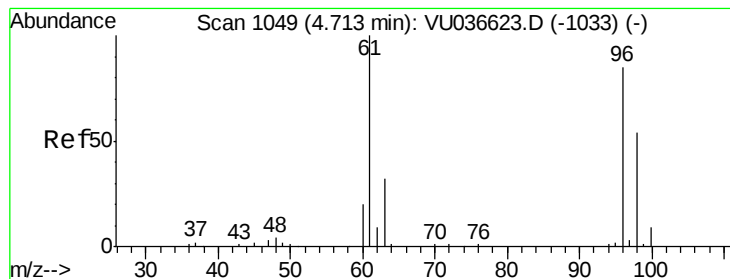


Abundance Ion 96.00 (95.70 to 96.70): VU036631.D (-545) (-)

Ion 61.00 (60.70 to 61.70): VU036631.D (-545) (-)

Ion 98.00 (97.70 to 98.70): VU036631.D (-545) (-)





#20

cis-1,2-Dichloroethene

Concen: 542.790 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036631.D

Acq: 30 Jan 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

DBCS9

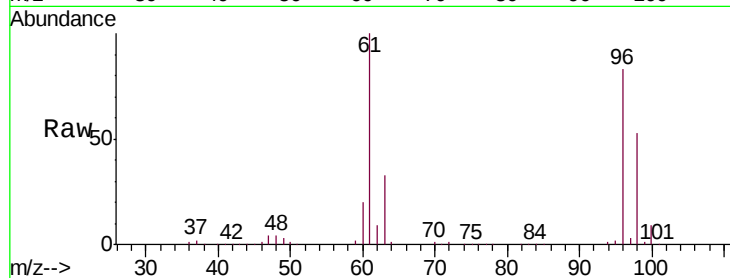
Tgt Ion: 96 Resp: 1186567

Ion Ratio Lower Upper

96 100

61 120.1 82.2 152.6

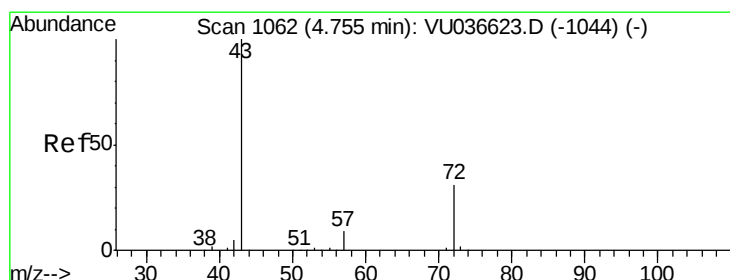
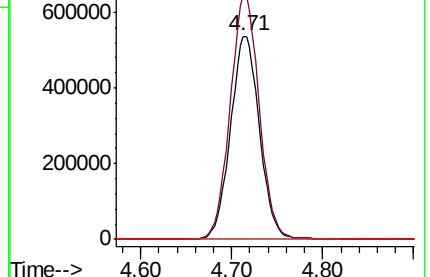
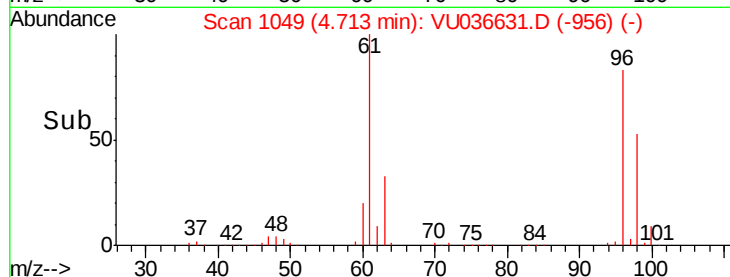
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036631.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036631.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036631.D (-956) (-)



#22

2-Butanone

Concen: 5.523 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VU036631.D

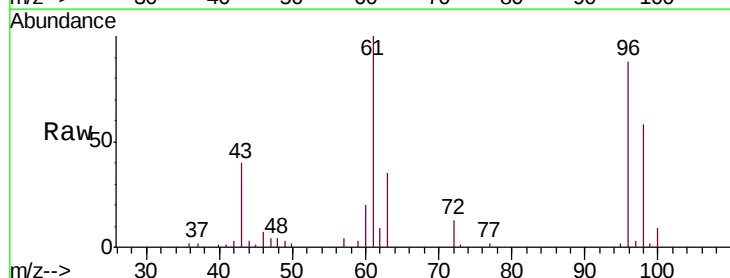
Acq: 30 Jan 2020 20:23

Tgt Ion: 43 Resp: 8225

Ion Ratio Lower Upper

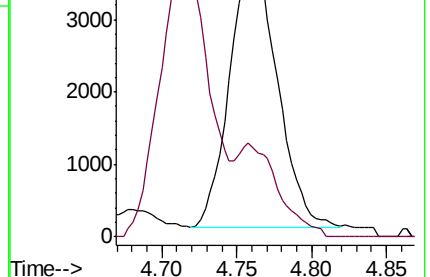
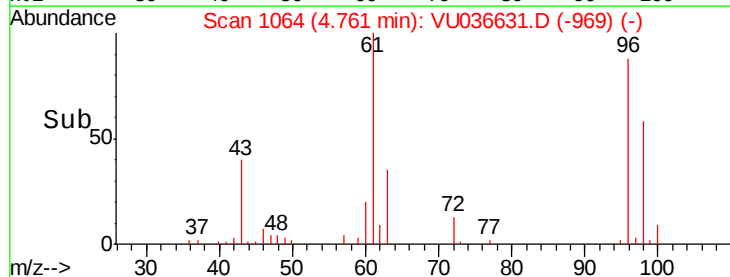
43 100

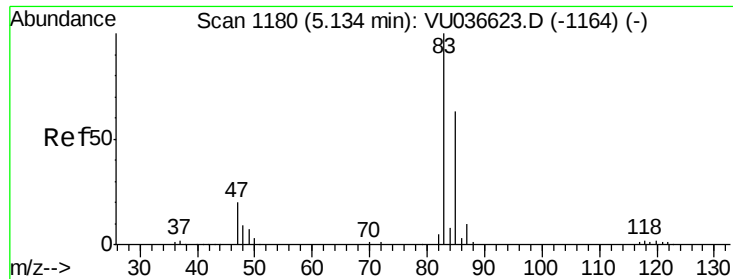
72 0.0 16.7 50.1#



Abundance Ion 43.00 (42.70 to 43.70): VU036631.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU036631.D (-969) (-)

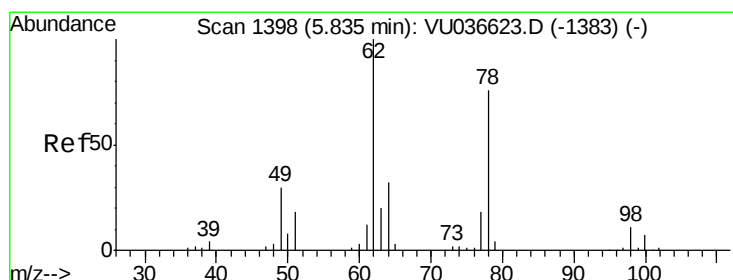
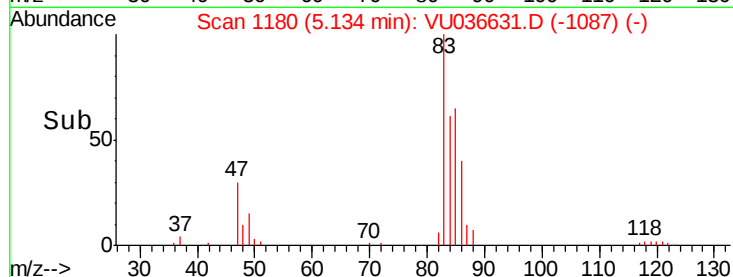
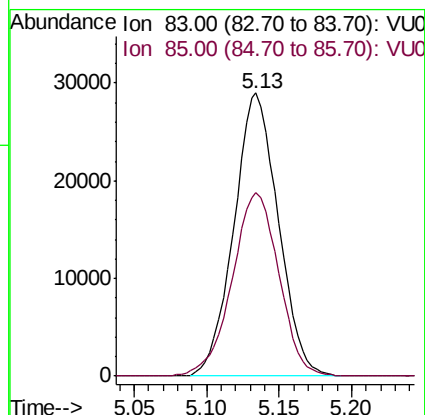
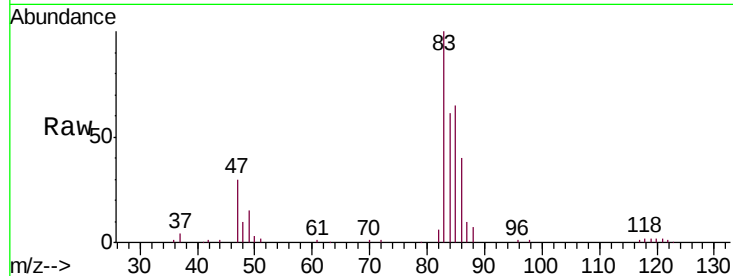




#25
Chloroform
Concen: 17.522 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036631.D
Acq: 30 Jan 2020 20:23

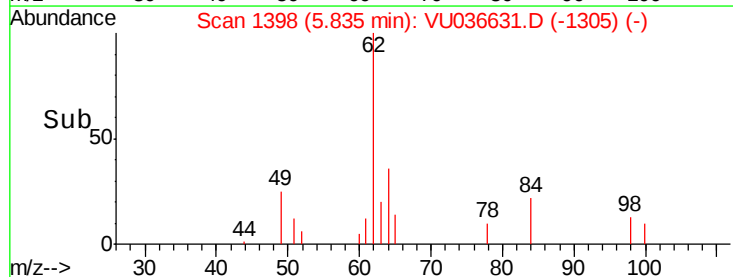
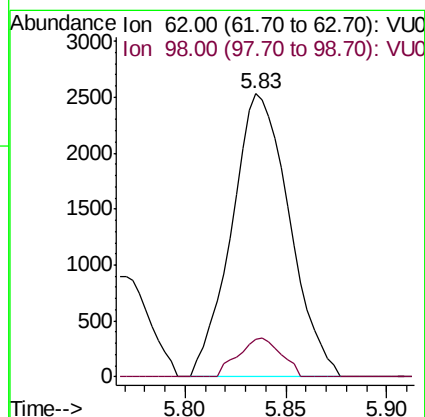
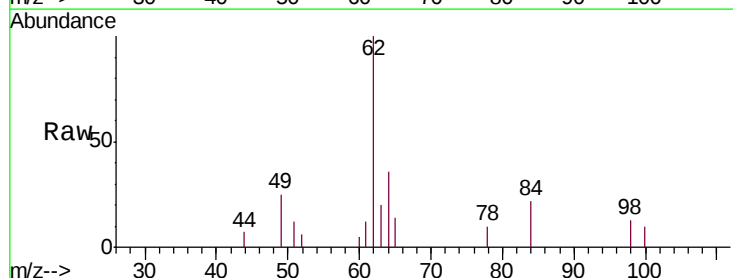
Instrument :
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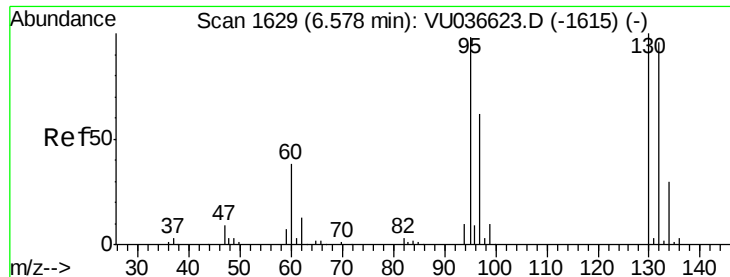
Tgt Ion: 83 Resp: 61613
Ion Ratio Lower Upper
83 100
85 64.8 46.3 85.9



#27
1,2-Dichloroethane
Concen: 1.923 ug/L
RT: 5.83 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036631.D
Acq: 30 Jan 2020 20:23

Tgt Ion: 62 Resp: 5059
Ion Ratio Lower Upper
62 100
98 13.5 8.4 12.6#





#34

Trichloroethene

Concen: 19.540 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036631.D

Acq: 30 Jan 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

DBCS9

Tgt Ion: 95 Resp: 40518

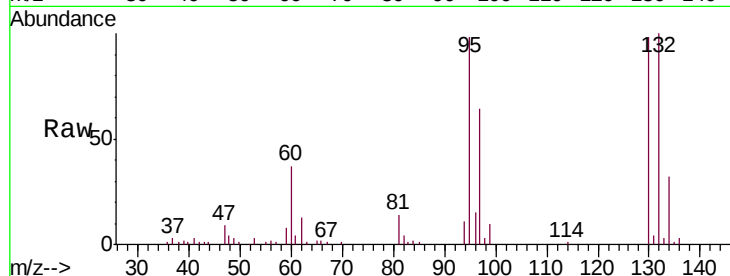
Ion Ratio Lower Upper

95 100

97 65.5 45.5 84.5

132 101.6 70.9 131.7

130 99.8 72.9 135.3

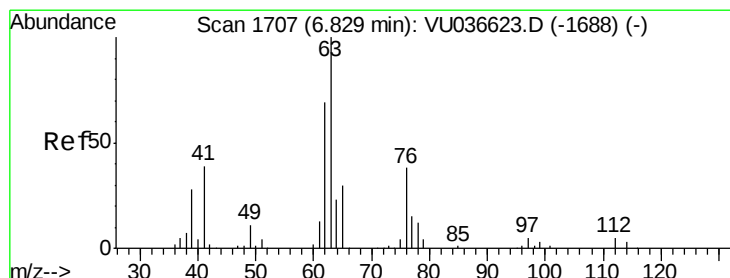
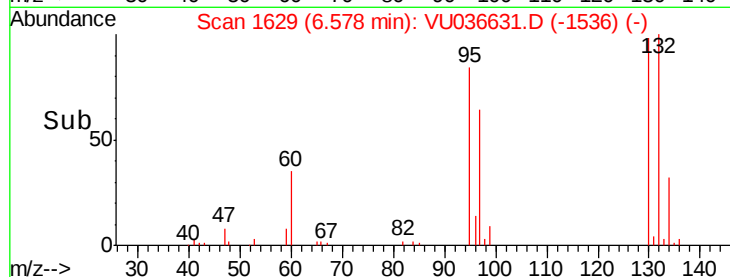
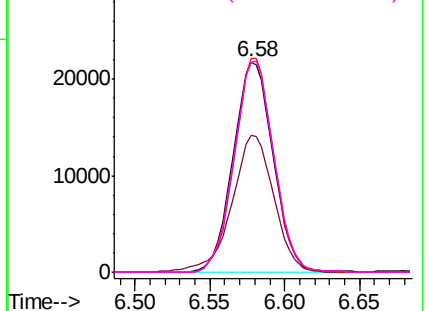


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 5.346 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.10 min

Lab File: VU036631.D

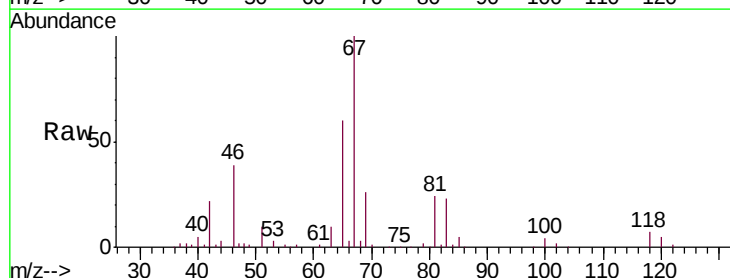
Acq: 30 Jan 2020 20:23

Tgt Ion: 63 Resp: 10946

Ion Ratio Lower Upper

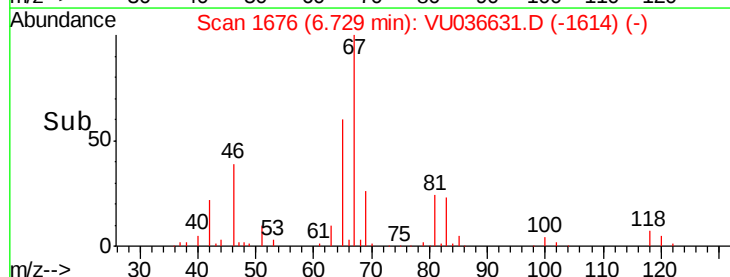
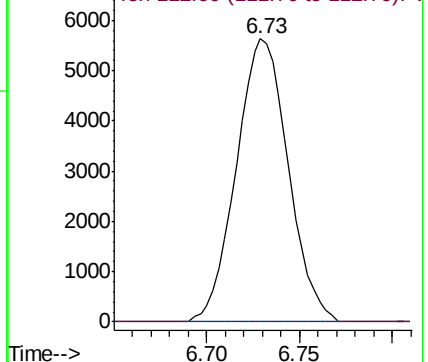
63 100

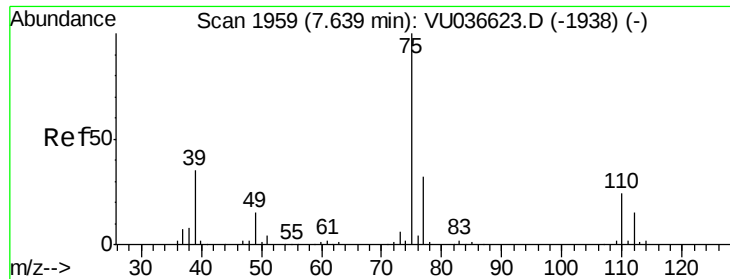
112 4.4 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 0.815 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU036631.D

Acq: 30 Jan 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

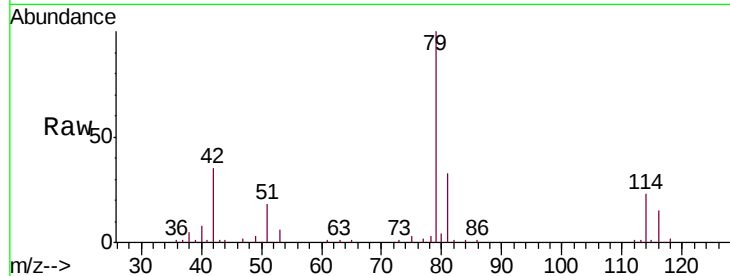
DBCS9

Tgt Ion: 75 Resp: 2689

Ion Ratio Lower Upper

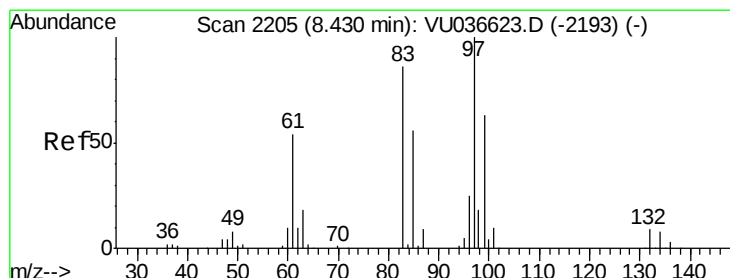
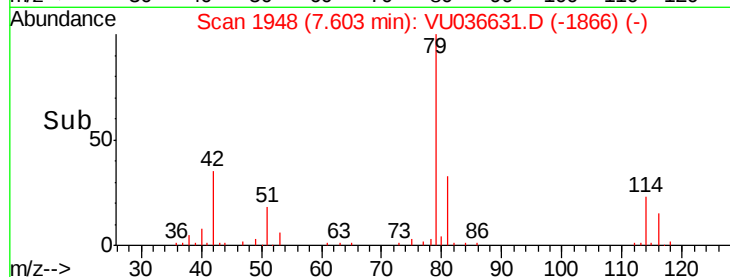
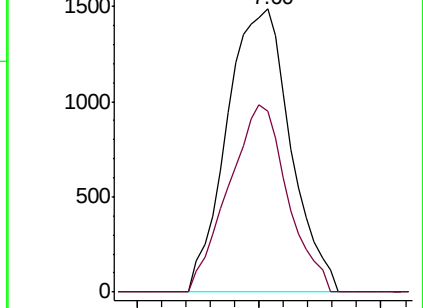
75 100

77 63.8 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VU036623.D (-1938) (-)

Ion 77.00 (76.70 to 77.70): VU036623.D (-1938) (-)



#45

1,1,2-Trichloroethane

Concen: 5.868 ug/L

RT: 8.43 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VU036631.D

Acq: 30 Jan 2020 20:23

Tgt Ion: 97 Resp: 12051

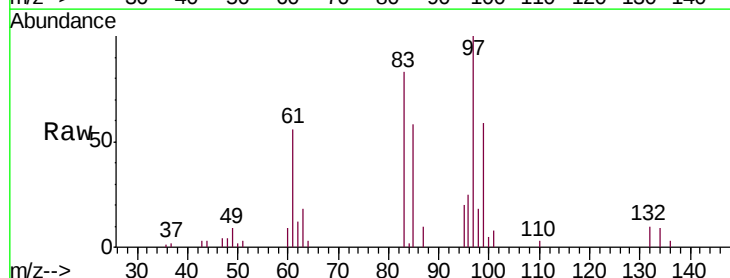
Ion Ratio Lower Upper

97 100

99 59.2 44.1 81.9

83 83.0 61.2 113.6

85 57.9 39.2 72.8

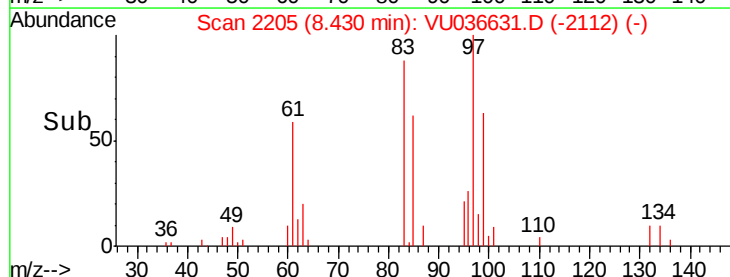
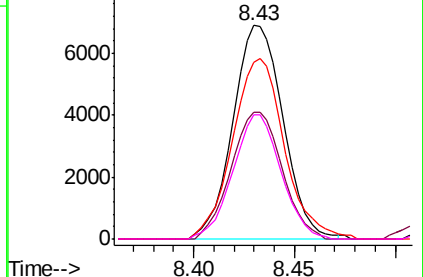


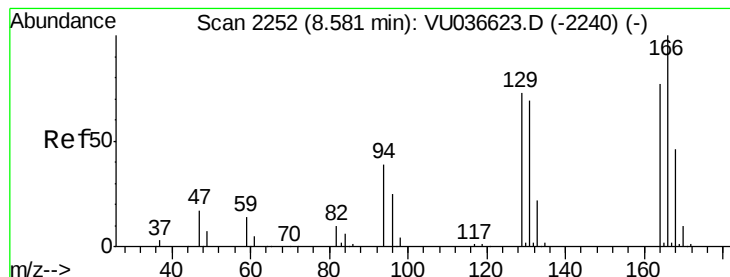
Abundance Ion 97.00 (96.70 to 97.70): VU036623.D (-2193) (-)

Ion 99.00 (98.70 to 99.70): VU036623.D (-2193) (-)

Ion 83.00 (82.70 to 83.70): VU036623.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU036623.D (-2193) (-)





#46

Tetrachloroethene

Concen: 19.403 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036631.D

Acq: 30 Jan 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

DBCS9

Tgt Ion:164 Resp: 32685

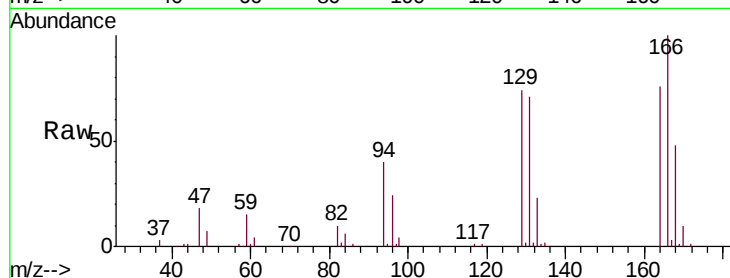
Ion Ratio Lower Upper

164 100

129 97.8 64.2 119.2

131 92.8 61.8 114.8

166 131.5 88.8 165.0



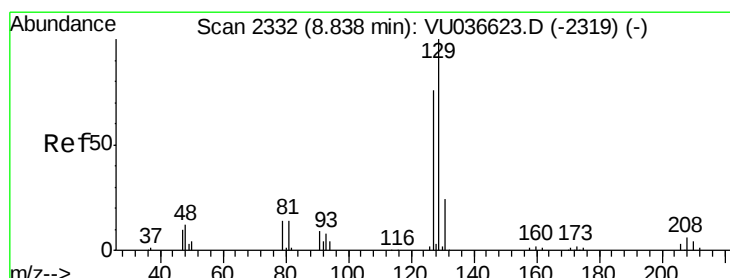
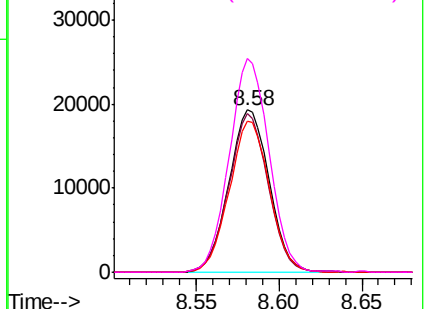
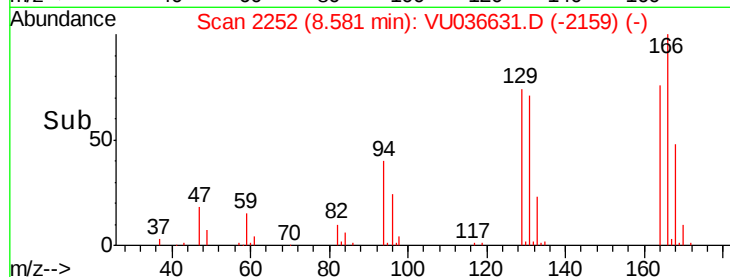
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

Dibromochloromethane

Concen: 14.302 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.26 min

Lab File: VU036631.D

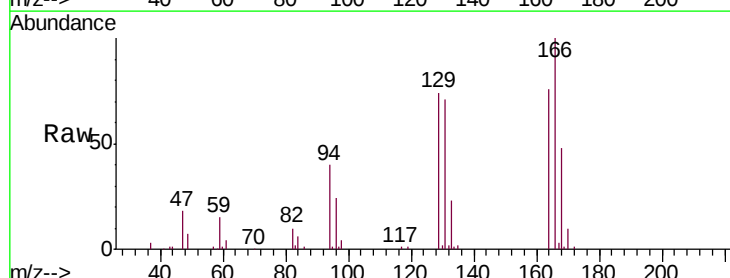
Acq: 30 Jan 2020 20:23

Tgt Ion:129 Resp: 31094

Ion Ratio Lower Upper

129 100

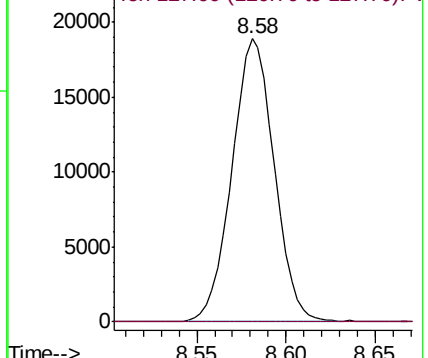
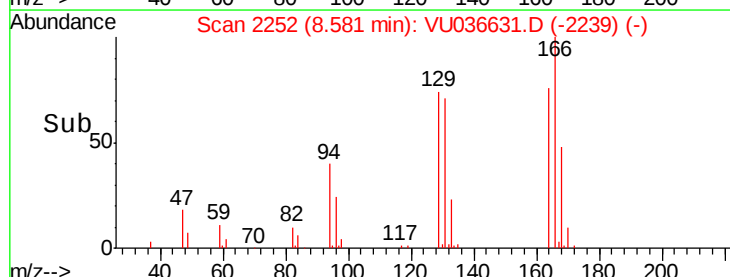
127 0.0 54.0 100.2#

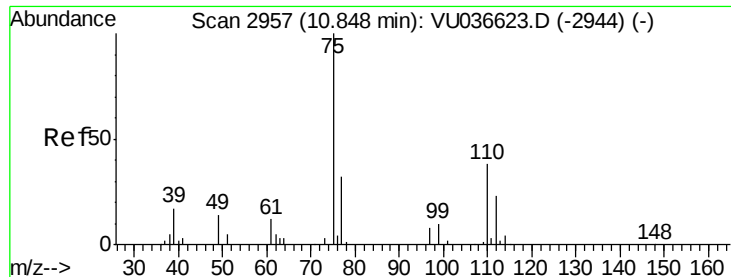


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 5.047 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.99 min

Lab File: VU036631.D

Acq: 30 Jan 2020 20:23

Instrument :

MSVOA_U

ClientSampleId :

DBCS9

Tgt Ion: 75 Resp: 13971

Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.2

