

Data File : VU033655.D
Acq On : 08 Aug 2019 22:01
Operator : JC/SP
Sample : K4202-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B23

Quant Time: Aug 09 07:45:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 09 07:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	303264	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	303857	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	140589	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	145975	42.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.28%
7) Chloroethane-d5	1.67	69	128005	44.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.34%
11) 1,1-Dichloroethene-d2	2.26	63	188994	34.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.30%
21) 2-Butanone-d5	4.16	46	219928	87.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.72%
24) Chloroform-d	4.62	84	210681	37.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.28%
26) 1,2-Dichloroethane-d4	5.29	65	147123	40.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.42%
32) Benzene-d6	5.32	84	467023	41.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.42%
36) 1,2-Dichloropropane-d6	6.31	67	150719	41.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.66%
41) Toluene-d8	7.55	98	421112	40.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	7.83	79	68188	38.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.34%
47) 2-Hexanone-d5	8.30	63	152942	84.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.79%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	223444	39.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.30%
64) 1,2-Dichlorobenzene-d4	11.84	152	164745	42.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.78%

Target Compounds

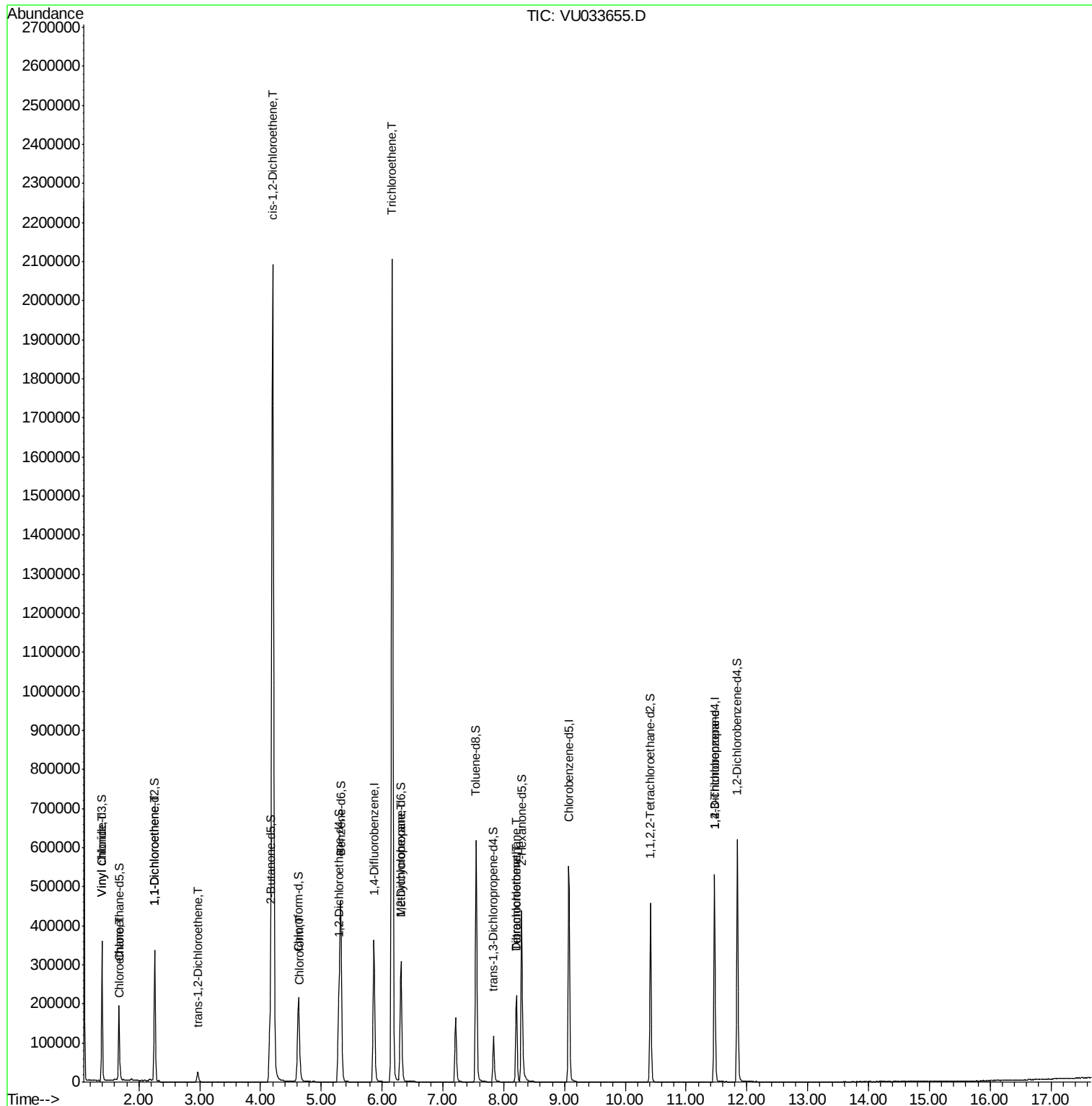
					Qvalue
5) Vinyl chloride	1.40	62	101668	30.887 ug/L	97
8) Chloroethane	1.69	64	9930	4.837 ug/L	94
12) 1,1-Dichloroethene	2.27	96	3878	1.808 ug/L #	1
17) trans-1,2-Dichloroethene	2.97	96	10153	4.542 ug/L	96
20) cis-1,2-Dichloroethene	4.20	96	1166844	463.573 ug/L	96
25) Chloroform	4.65	83	16219	3.551 ug/L	96
34) Trichloroethene	6.16	95	712300	289.502 ug/L	97
35) Methylcyclohexane	6.31	83	33704	8.944 ug/L #	19
46) Tetrachloroethene	8.21	164	49250	24.674 ug/L	96
49) Dibromochloromethane	8.21	129	46014	16.345 ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	16310	4.608 ug/L	93

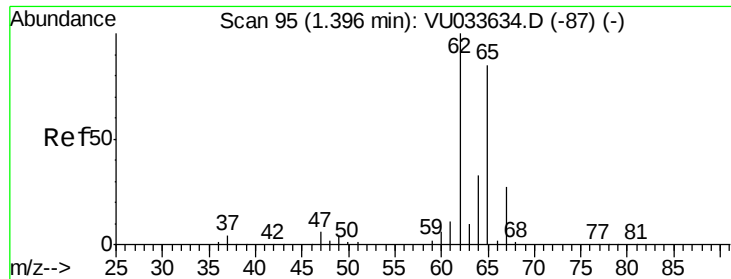
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU033655.D
Acq On : 08 Aug 2019 22:01
Operator : JC/SP
Sample : K4202-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B23

Quant Time: Aug 09 07:45:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 09 07:39:51 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 30.887 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033655.D

Acq: 08 Aug 2019 22:01

Instrument :

MSVOA_U

ClientSampled :

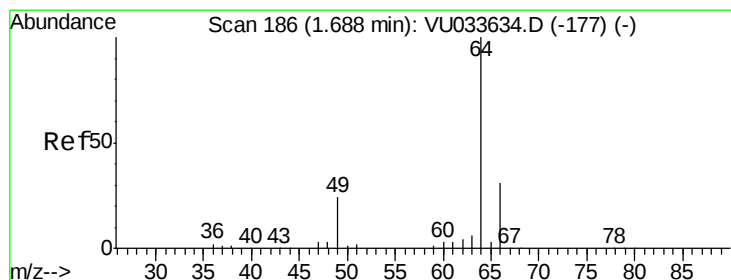
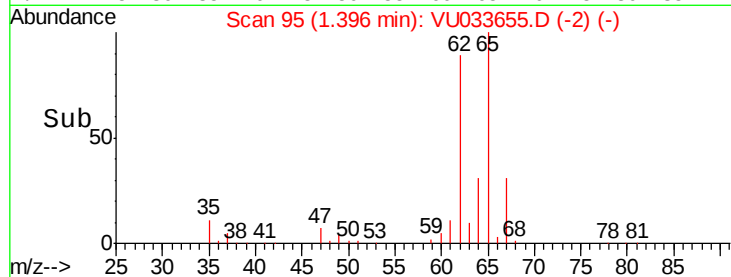
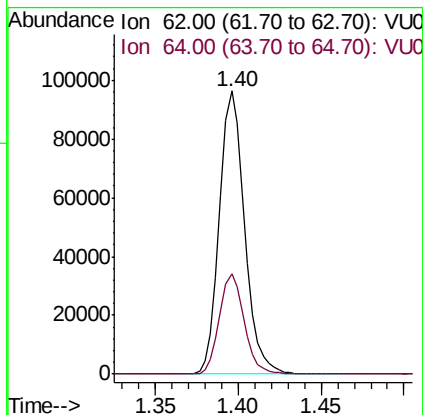
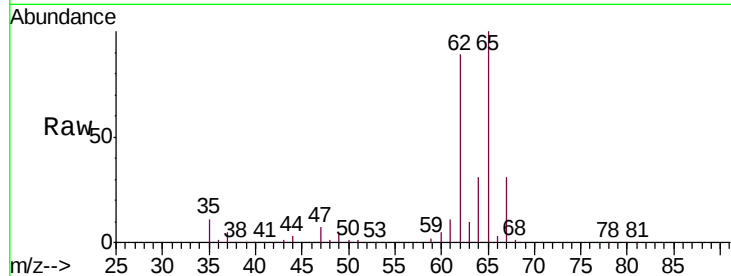
F2B23

Tgt Ion: 62 Resp: 101668

Ion Ratio Lower Upper

62 100

64 35.3 23.6 43.8



#8

Chloroethane

Concen: 4.837 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033655.D

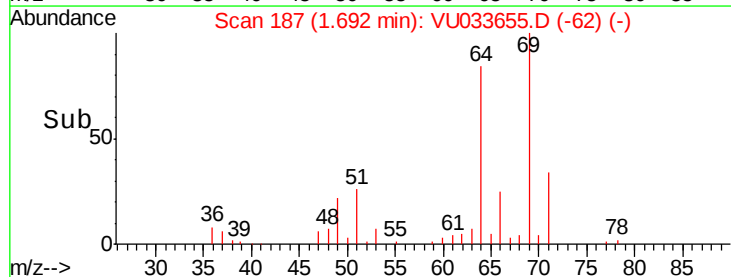
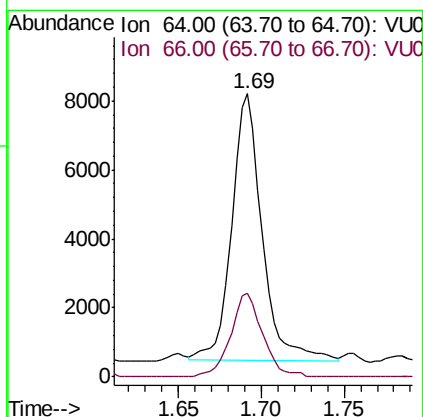
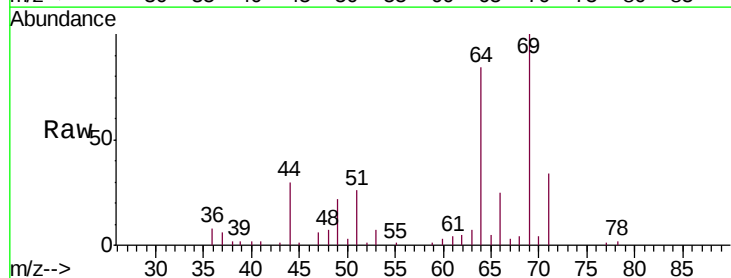
Acq: 08 Aug 2019 22:01

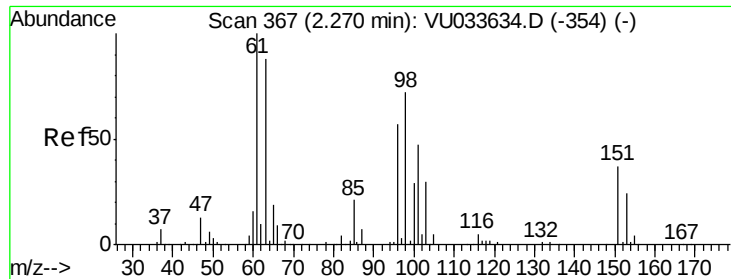
Tgt Ion: 64 Resp: 9930

Ion Ratio Lower Upper

64 100

66 29.7 23.0 42.8





#12

1,1-Dichloroethene

Concen: 1.808 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033655.D

Acq: 08 Aug 2019 22:01

Instrument :

MSVOA_U

ClientSampleId :

F2B23

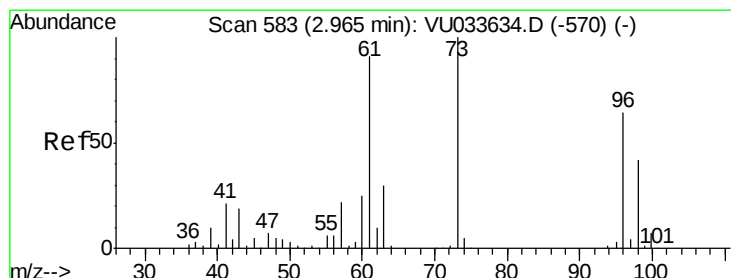
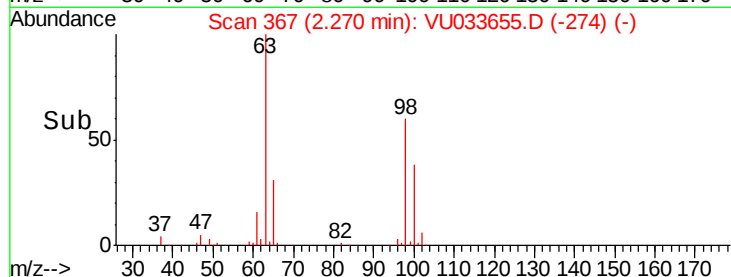
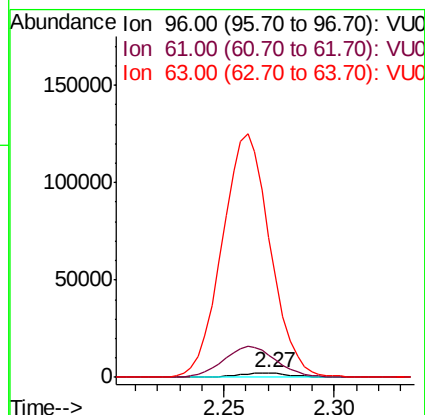
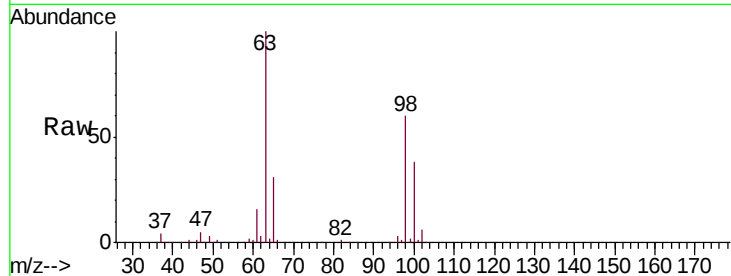
Tgt Ion: 96 Resp: 3878

Ion Ratio Lower Upper

96 100

61 494.4 124.0 230.2#

63 3059.7 114.9 213.5#



#17

trans-1,2-Dichloroethene

Concen: 4.542 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU033655.D

Acq: 08 Aug 2019 22:01

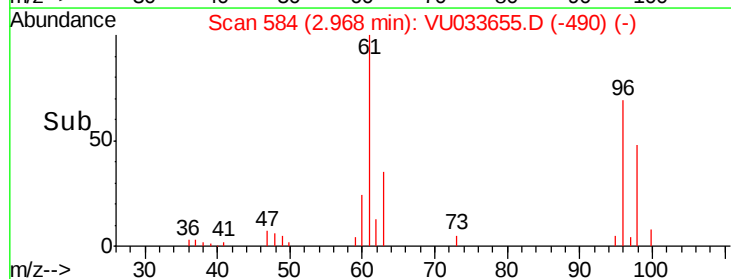
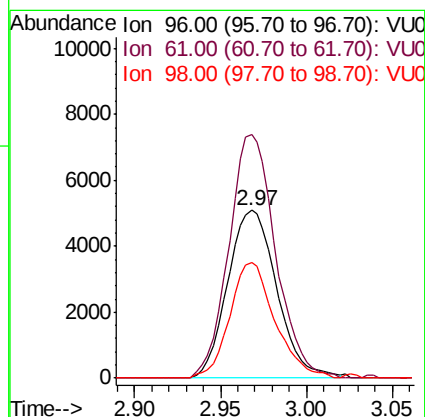
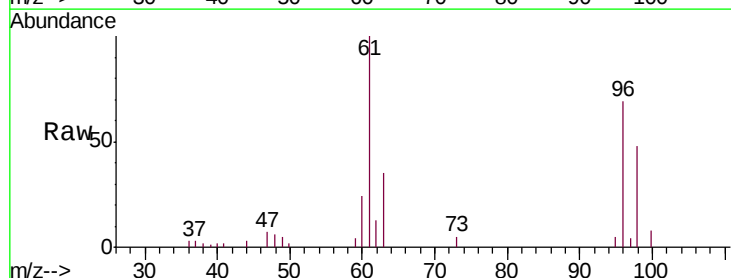
Tgt Ion: 96 Resp: 10153

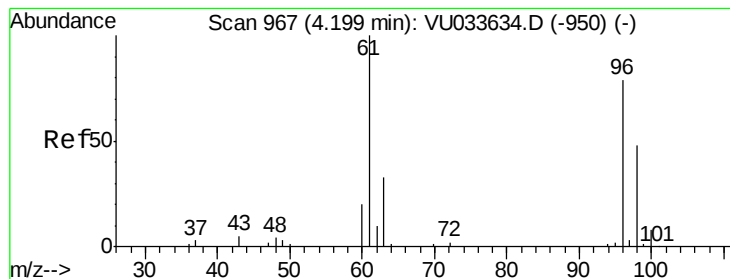
Ion Ratio Lower Upper

96 100

61 145.0 98.7 183.3

98 69.0 44.6 82.8



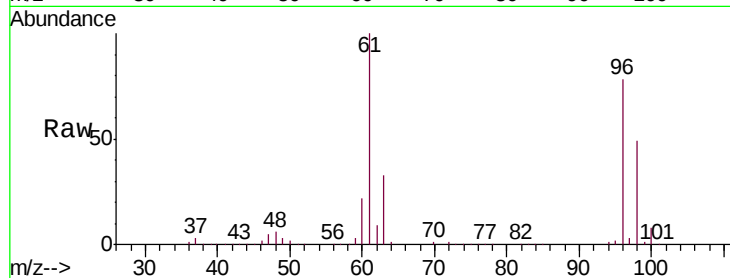


#20

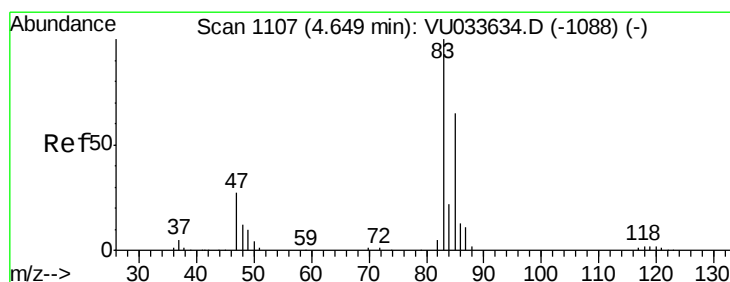
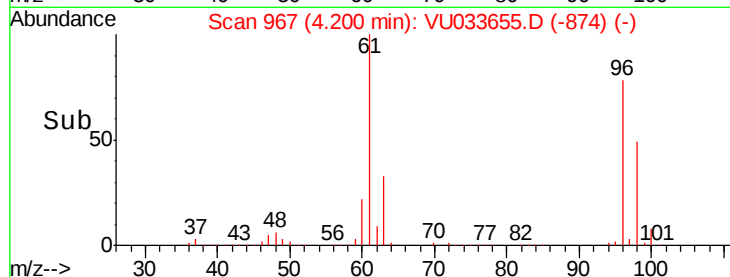
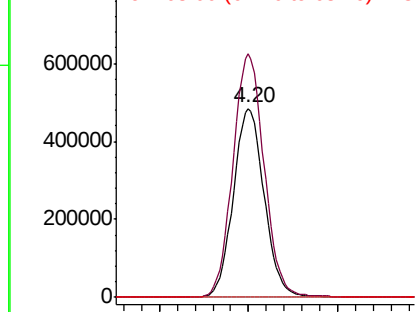
cis-1,2-Dichloroethene
 Concen: 463.573 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033655.D
 Acq: 08 Aug 2019 22:01

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B23

Tgt Ion: 96 Resp: 1166844
 Ion Ratio Lower Upper
 96 100
 61 128.7 93.0 172.8
 68 0.0 0.0 0.0



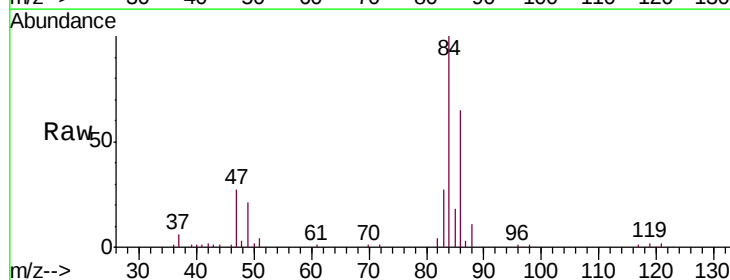
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



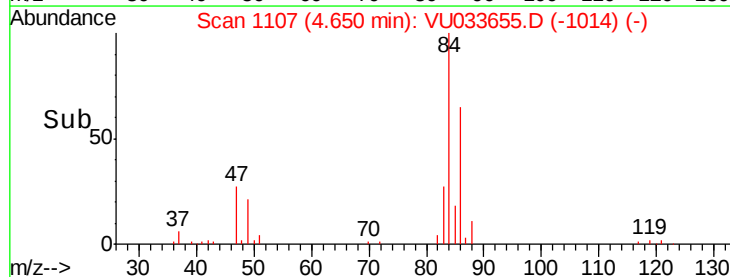
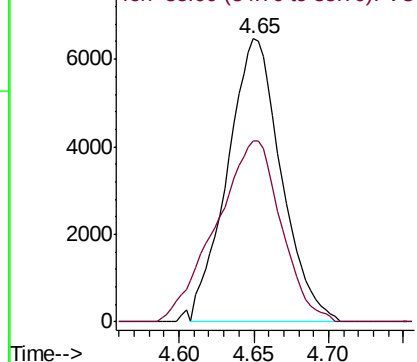
#25

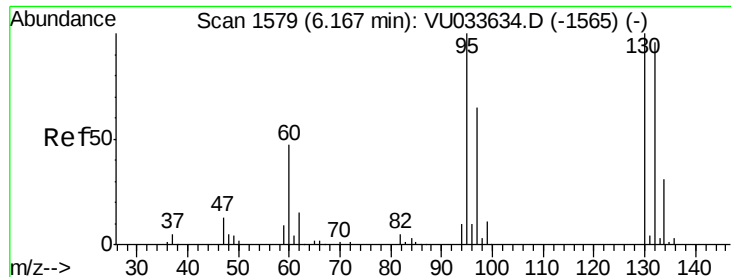
Chloroform
 Concen: 3.551 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VU033655.D
 Acq: 08 Aug 2019 22:01

Tgt Ion: 83 Resp: 16219
 Ion Ratio Lower Upper
 83 100
 85 63.9 47.2 87.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 289.502 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033655.D

Acq: 08 Aug 2019 22:01

Instrument :

MSVOA_U

ClientSampleId :

F2B23

Tgt Ion: 95 Resp: 712300

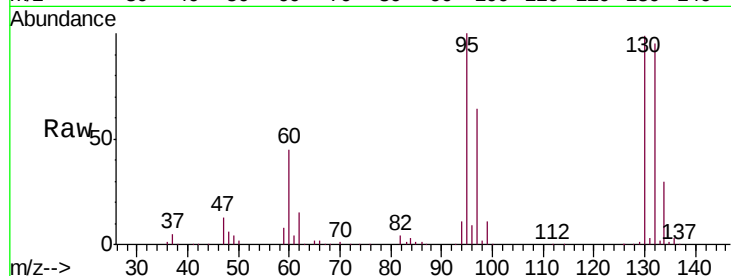
Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.5

132 95.1 69.1 128.3

130 99.3 71.7 133.3

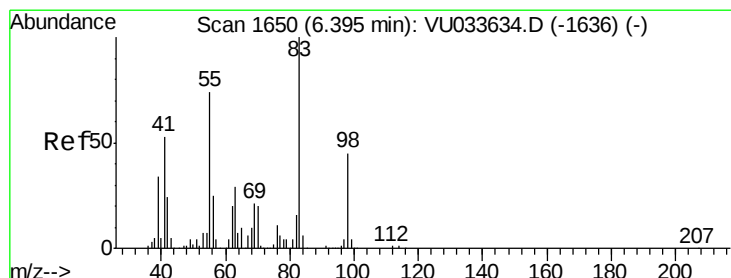
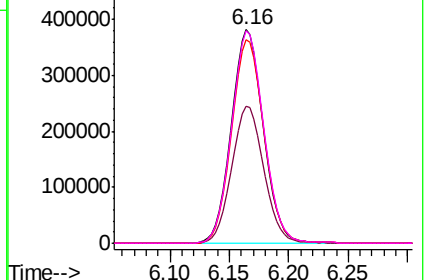
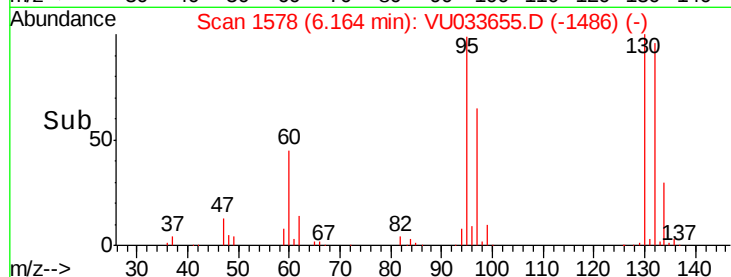


Abundance Ion 95.00 (94.70 to 95.70): VU033634.D (-1565) (-)

Ion 97.00 (96.70 to 97.70): VU033634.D (-1565) (-)

Ion 132.00 (131.70 to 132.70): VU033634.D (-1565) (-)

Ion 130.00 (129.70 to 130.70): VU033634.D (-1565) (-)



#35

Methylcyclohexane

Concen: 8.944 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.09 min

Lab File: VU033655.D

Acq: 08 Aug 2019 22:01

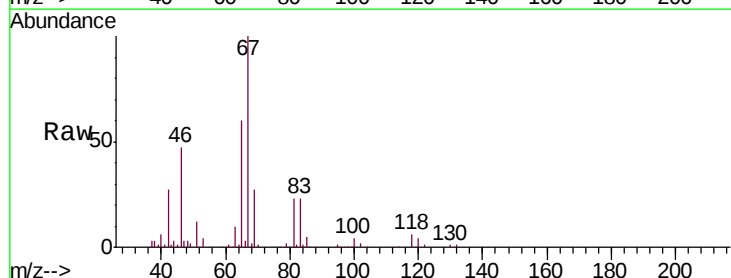
Tgt Ion: 83 Resp: 33704

Ion Ratio Lower Upper

83 100

55 0.2 61.3 91.9#

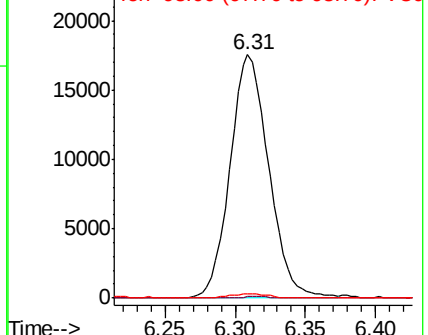
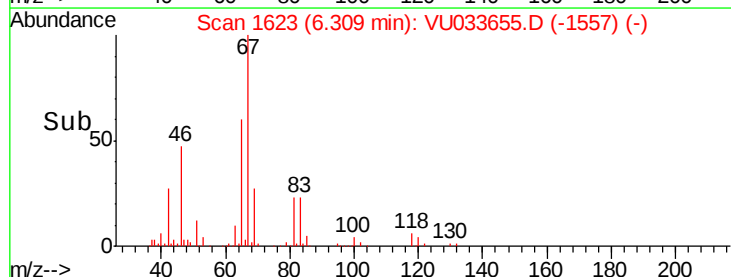
98 1.7 36.7 55.1#

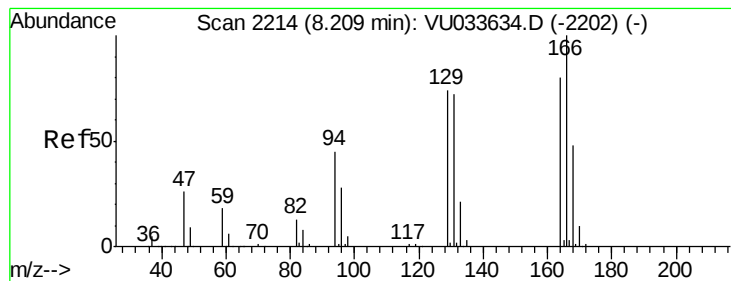


Abundance Ion 83.00 (82.70 to 83.70): VU033634.D (-1636) (-)

Ion 55.00 (54.70 to 55.70): VU033634.D (-1636) (-)

Ion 98.00 (97.70 to 98.70): VU033634.D (-1636) (-)





#46

Tetrachloroethene

Concen: 24.674 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033655.D

Acq: 08 Aug 2019 22:01

Instrument :

MSVOA_U

ClientSampleId :

F2B23

Tgt Ion:164 Resp: 49250

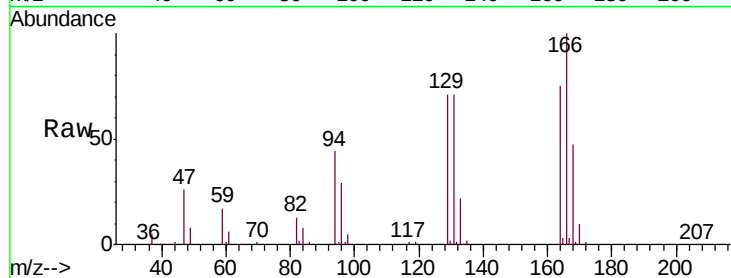
Ion Ratio Lower Upper

164 100

129 95.4 68.1 126.5

131 95.5 65.5 121.6

166 134.1 88.5 164.3



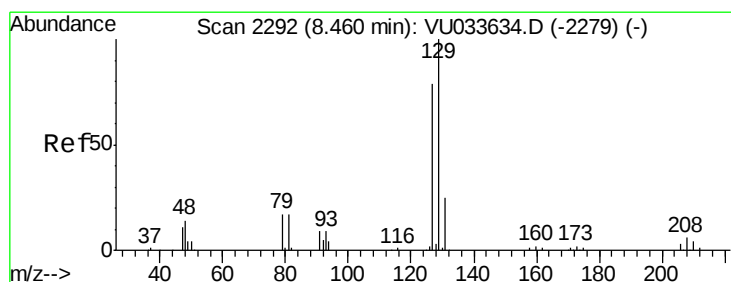
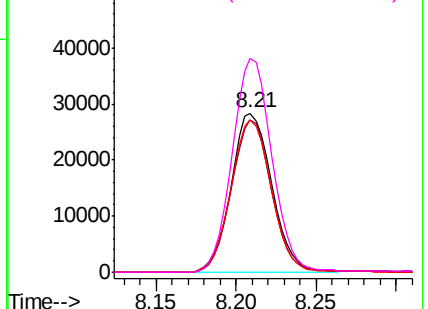
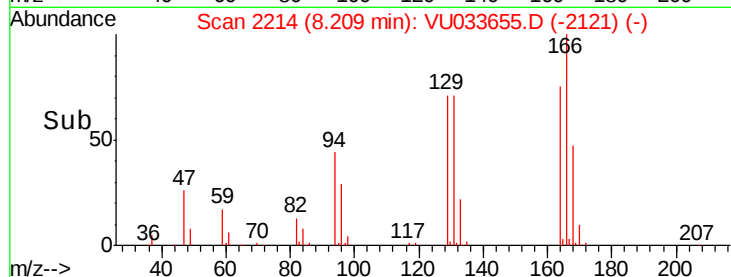
Abundance

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: 16.345 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU033655.D

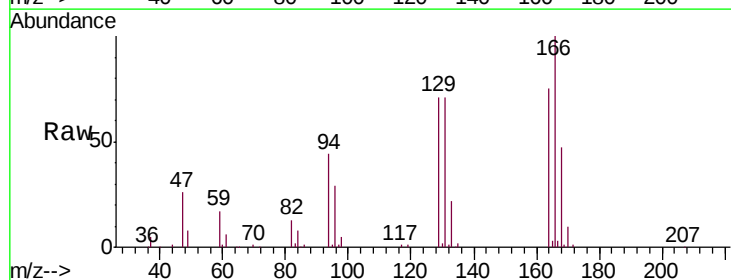
Acq: 08 Aug 2019 22:01

Tgt Ion:129 Resp: 46014

Ion Ratio Lower Upper

129 100

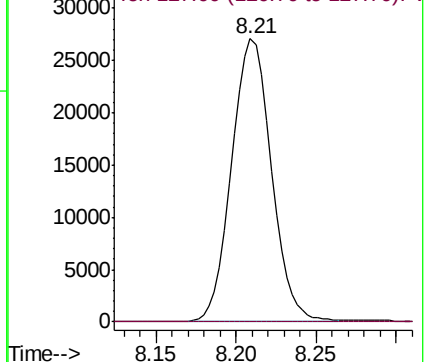
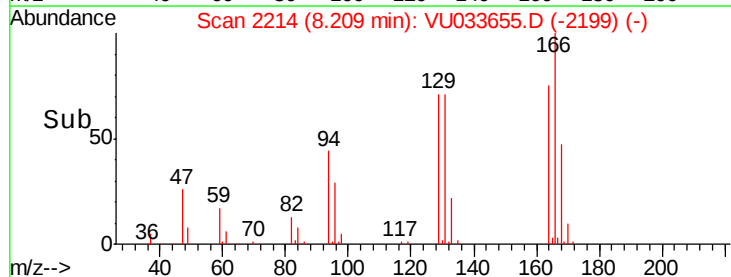
127 0.0 52.5 97.5#

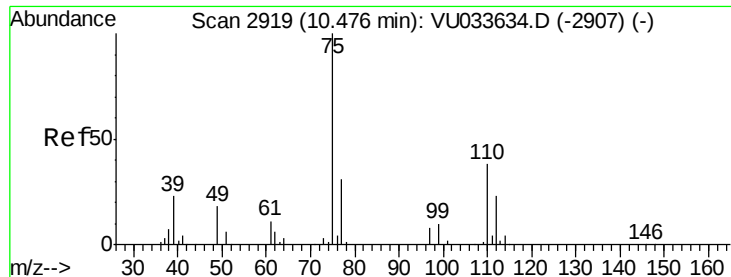


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 4.608 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033655.D

Acq: 08 Aug 2019 22:01

Instrument :

MSVOA_U

ClientSampleId :

F2B23

Tgt Ion: 75 Resp: 16310

Ion Ratio Lower Upper

75 100

77 36.1 25.5 38.3

