

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
 Data File : VU036619.D
 Acq On : 30 Jan 2020 15:13
 Operator : JC/MD
 Sample : L1322-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XR7

Quant Time: Jan 30 15:37:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 30 12:57:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	307908	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	285335	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	132111	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91194	39.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.08%
7) Chloroethane-d5	1.93	69	83347	42.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.24%
11) 1,1-Dichloroethene-d2	2.59	63	120487	32.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.62%
21) 2-Butanone-d5	4.68	46	139719	102.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.07%
24) Chloroform-d	5.11	84	157025	41.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.16%
26) 1,2-Dichloroethane-d4	5.75	65	105525	44.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.66%
32) Benzene-d6	5.77	84	367314	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
36) 1,2-Dichloropropane-d6	6.73	67	118278	47.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.58%
41) Toluene-d8	7.93	98	350222	45.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.70%
43) trans-1,3-Dichloropropene-	8.21	79	55431	46.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.20%
47) 2-Hexanone-d5	8.67	63	127656	110.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.06%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	170512	46.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.74%
64) 1,2-Dichlorobenzene-d4	12.21	152	130620	46.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.16%

Target Compounds

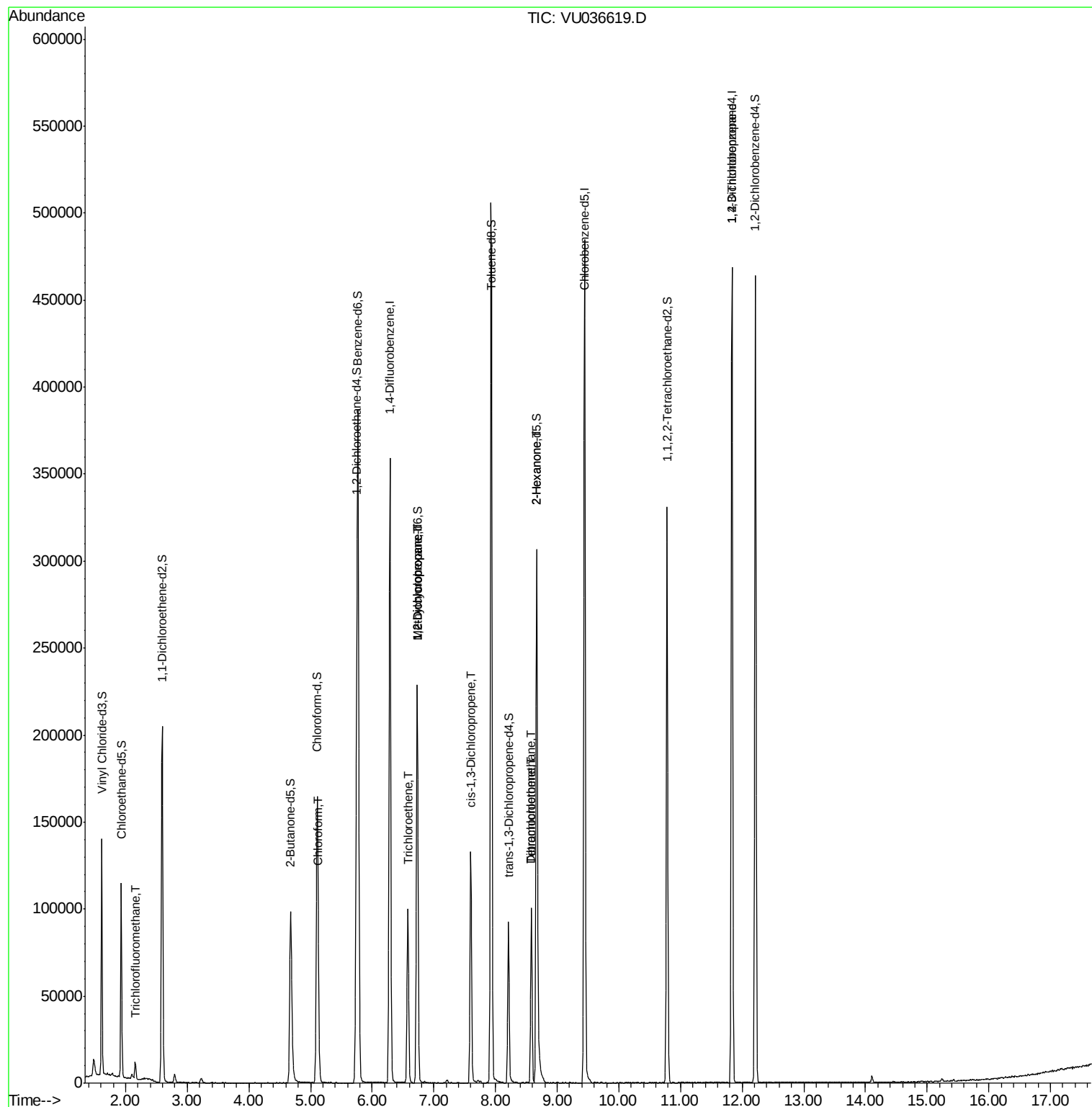
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Trichlorofluoromethane	2.16	101	6297	2.01	ug/L	98
25) Chloroform	5.13	83	9942	2.64	ug/L	94
34) Trichloroethene	6.58	95	35334	16.09	ug/L	95
35) Methylcyclohexane	6.73	83	27101	7.40	ug/L #	21
37) 1,2-Dichloropropane	6.73	63	12200	5.63	ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	3000	0.86	ug/L #	54
46) Tetrachloroethene	8.58	164	23780	13.33	ug/L	98
48) 2-Hexanone	8.67	43	11833	5.65	ug/L #	66
49) Dibromochloromethane	8.58	129	21728	9.44	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	15543	5.30	ug/L	94

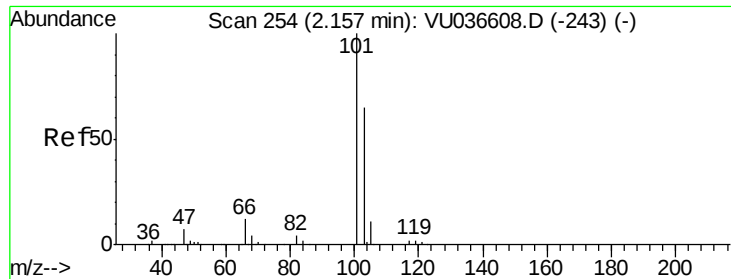
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Jan 30 12:57:35 2020
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 2.01 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036619.D

Acq: 30 Jan 2020 15:13

Instrument :

MSVOA_U

ClientSampleId :

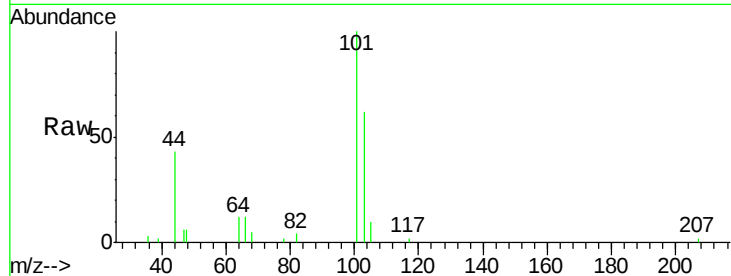
C0XR7

Tgt Ion:101 Resp: 6297

Ion Ratio Lower Upper

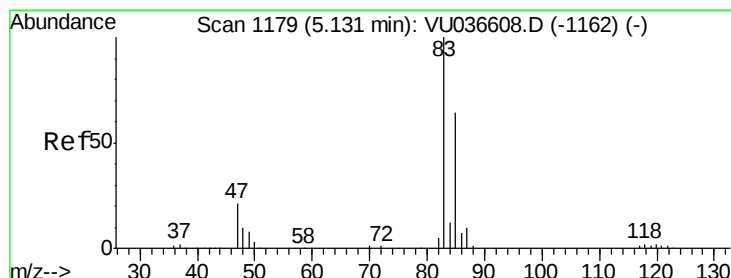
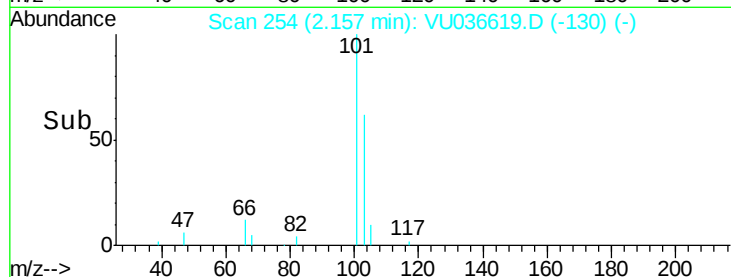
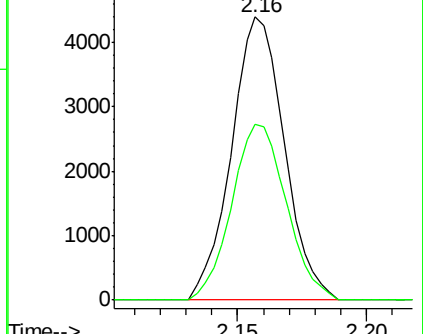
101 100

103 64.0 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#25

Chloroform

Concen: 2.64 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VU036619.D

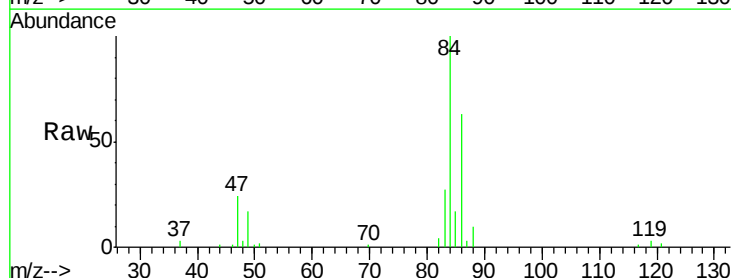
Acq: 30 Jan 2020 15:13

Tgt Ion: 83 Resp: 9942

Ion Ratio Lower Upper

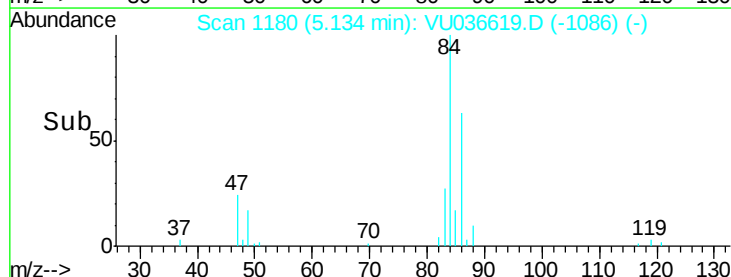
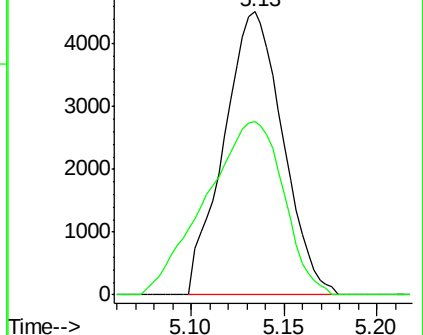
83 100

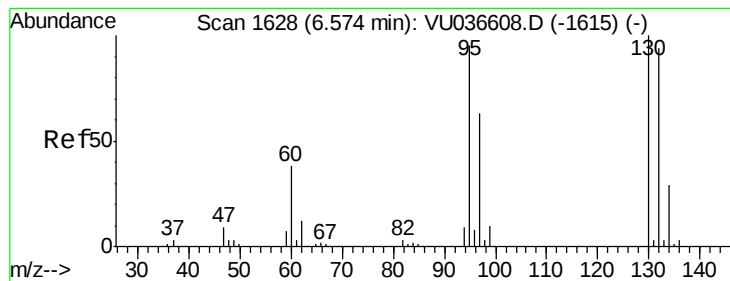
85 61.3 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 16.09 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036619.D

Acq: 30 Jan 2020 15:13

Instrument :

MSVOA_U

ClientSampleId :

C0XR7

Tgt Ion: 95 Resp: 35334

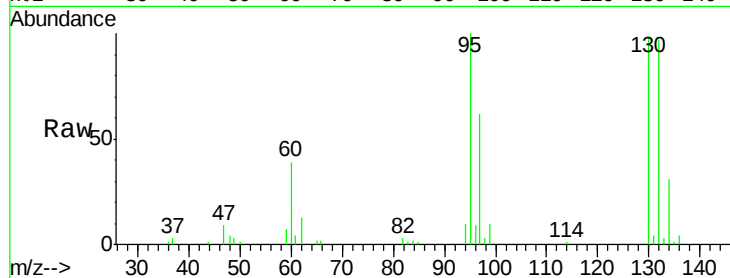
Ion Ratio Lower Upper

95 100

97 61.7 45.5 84.5

132 97.5 70.9 131.7

130 98.1 72.9 135.3



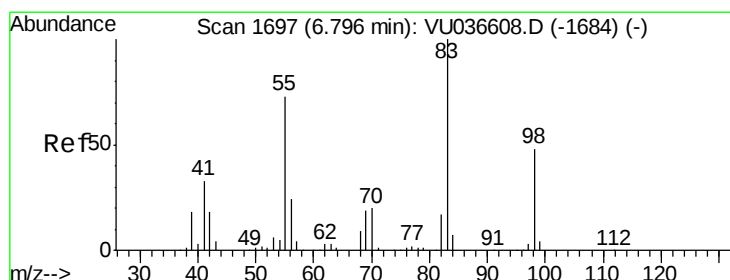
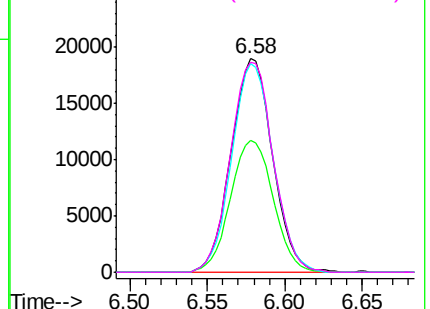
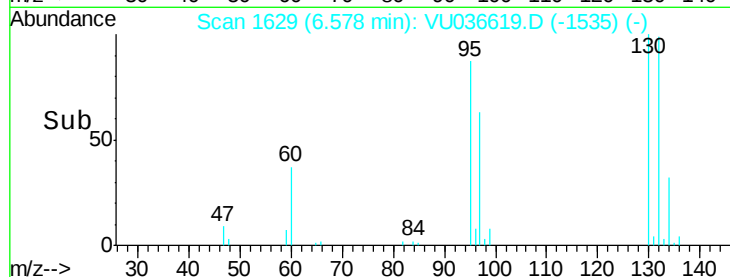
Abundance

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



#35

Methylcyclohexane

Concen: 7.40 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.07 min

Lab File: VU036619.D

Acq: 30 Jan 2020 15:13

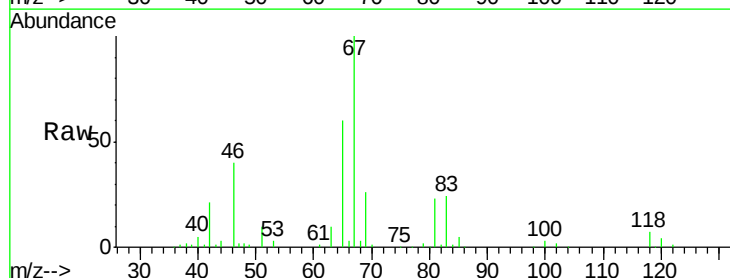
Tgt Ion: 83 Resp: 27101

Ion Ratio Lower Upper

83 100

55 0.0 56.1 84.1#

98 0.9 37.5 56.3#

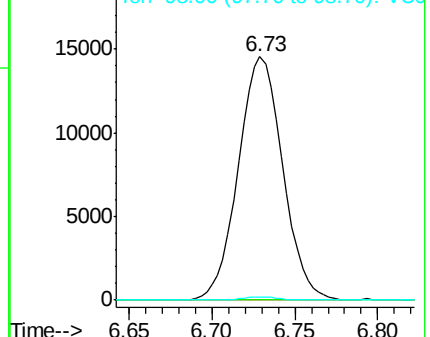
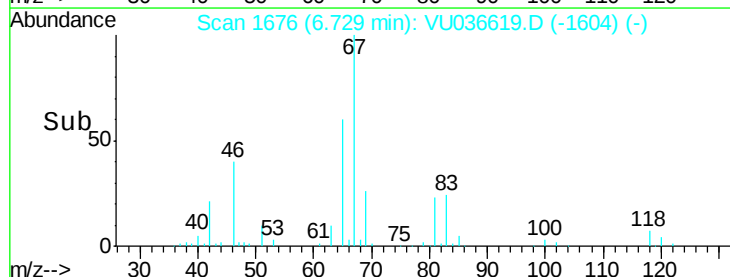


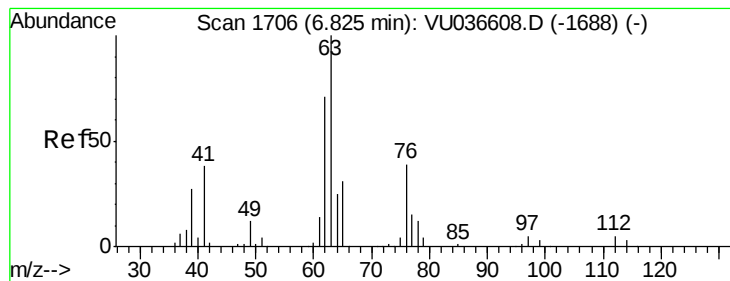
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 5.63 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.10 min

Lab File: VU036619.D

Acq: 30 Jan 2020 15:13

Instrument :

MSVOA_U

ClientSampleId :

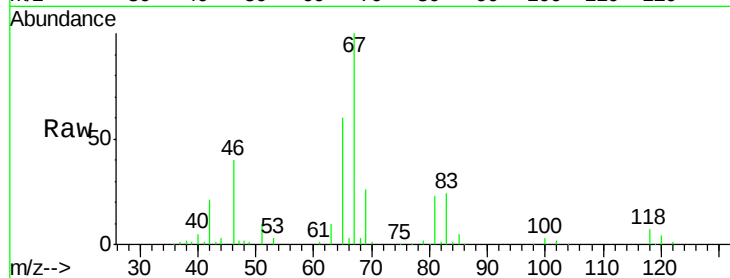
C0XR7

Tgt Ion: 63 Resp: 12200

Ion Ratio Lower Upper

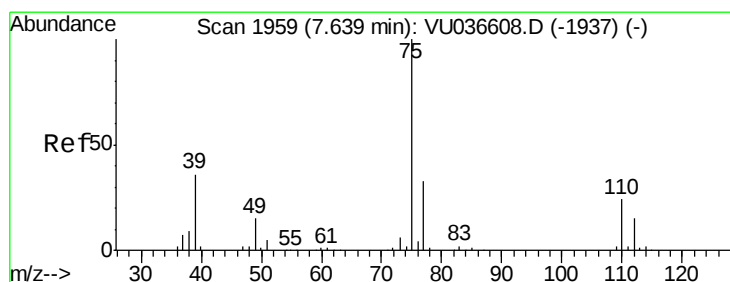
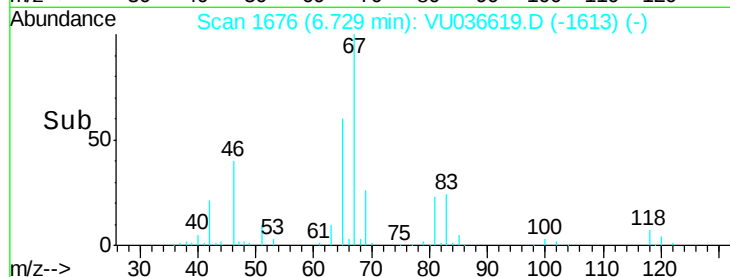
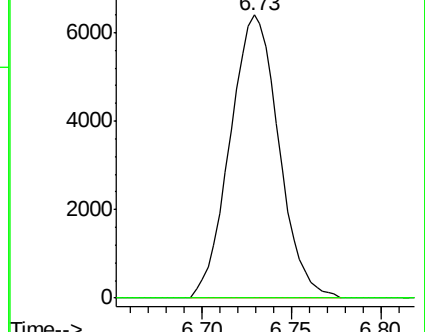
63 100

112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VU036619.D (-1676) (-)

Ion 112.00 (111.70 to 112.70): VU036619.D (-1676) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.86 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU036619.D

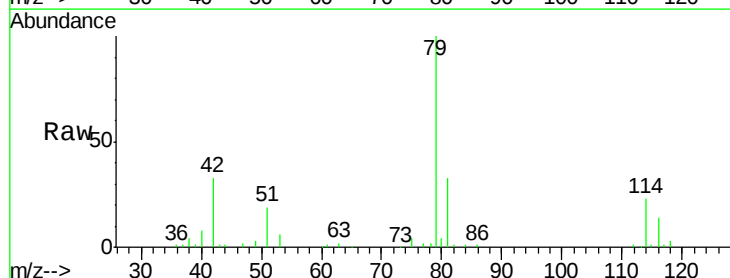
Acq: 30 Jan 2020 15:13

Tgt Ion: 75 Resp: 3000

Ion Ratio Lower Upper

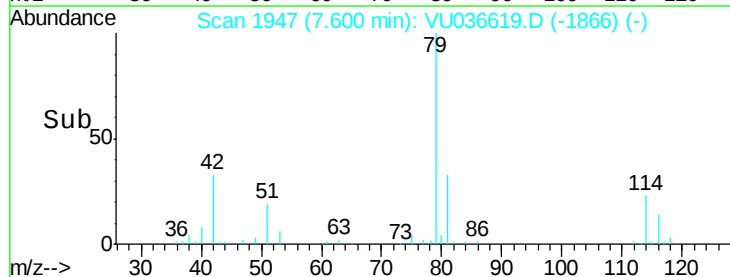
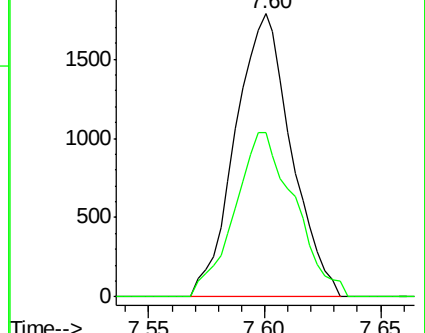
75 100

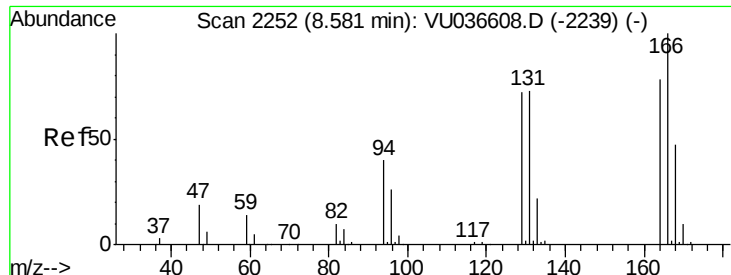
77 58.1 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VU036619.D (-1866) (-)

Ion 77.00 (76.70 to 77.70): VU036619.D (-1866) (-)





#46

Tetrachloroethene

Concen: 13.33 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036619.D

Acq: 30 Jan 2020 15:13

Instrument :

MSVOA_U

ClientSampled :

C0XR7

Tgt Ion:164 Resp: 23780

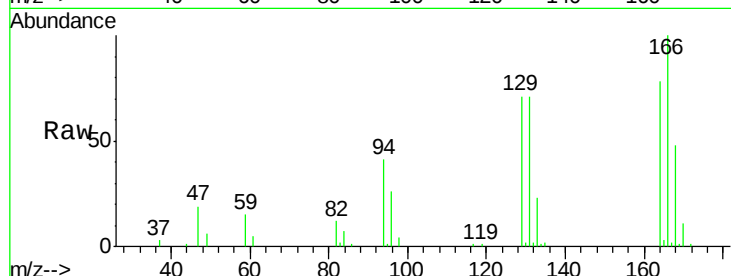
Ion Ratio Lower Upper

164 100

129 91.5 64.2 119.2

131 91.8 61.8 114.8

166 128.6 88.8 165.0

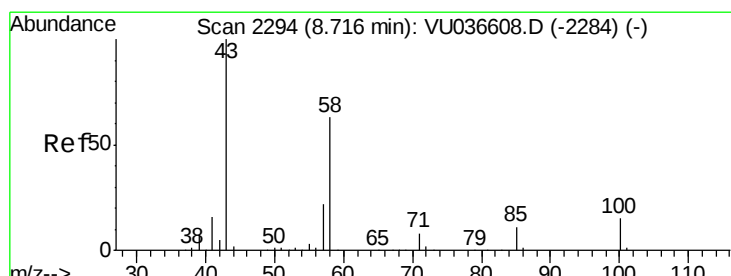
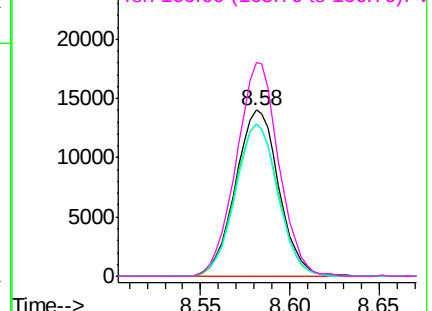
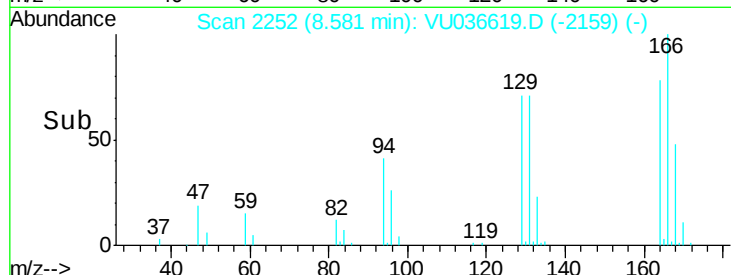


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 5.65 ug/L

RT: 8.67 min Scan# 2279

Delta R.T. -0.05 min

Lab File: VU036619.D

Acq: 30 Jan 2020 15:13

Tgt Ion: 43 Resp: 11833

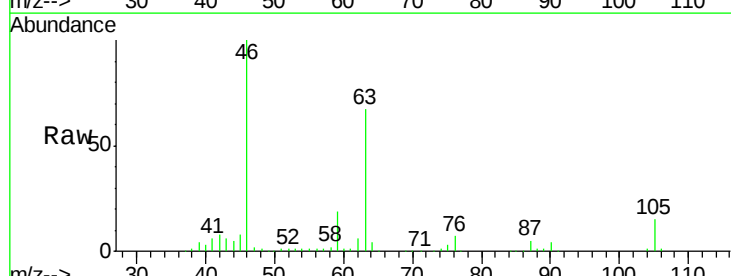
Ion Ratio Lower Upper

43 100

58 28.4 49.4 74.0#

57 24.7 17.1 25.7

100 0.0 11.9 17.9#

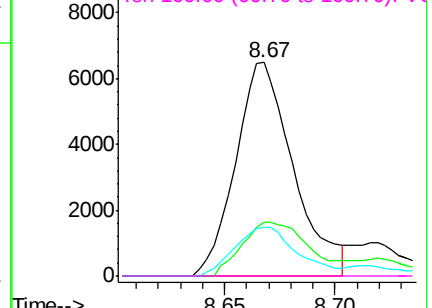
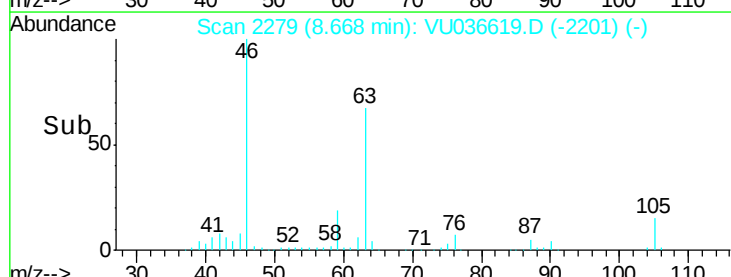


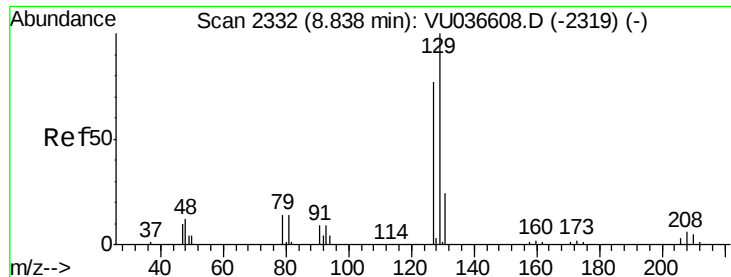
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 9.44 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.26 min

Lab File: VU036619.D

Acq: 30 Jan 2020 15:13

Instrument :

MSVOA_U

ClientSampled :

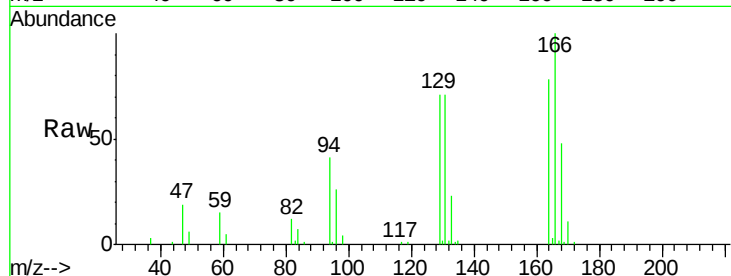
C0XR7

Tgt Ion:129 Resp: 21728

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

8.58

15000

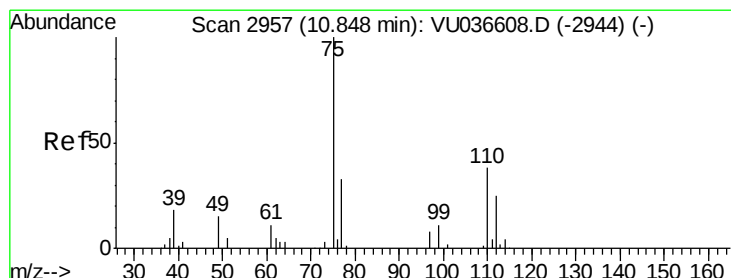
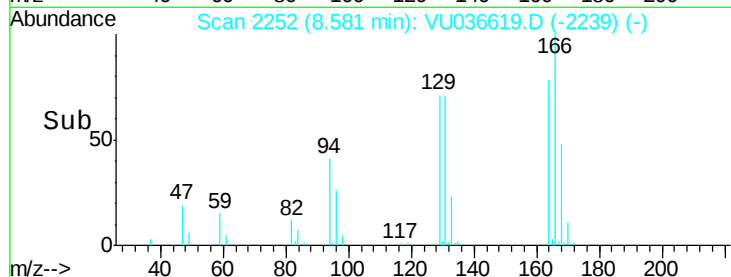
10000

5000

0

Time-->

8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 5.30 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.99 min

Lab File: VU036619.D

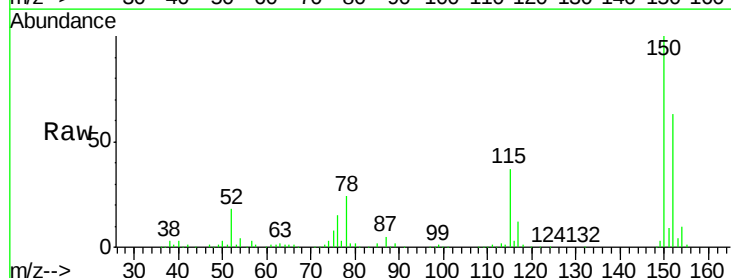
Acq: 30 Jan 2020 15:13

Tgt Ion: 75 Resp: 15543

Ion Ratio Lower Upper

75 100

77 36.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.83

10000

8000

6000

4000

2000

0

Time-->

11.80 11.85

