

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037203.D
 Acq On : 12 Mar 2020 20:47
 Operator : JC/MD
 Sample : L1901-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 13 07:35:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 07:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	369635	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	361466	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	148838	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	139445	48.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.48%
7) Chloroethane-d5	1.93	69	118864	51.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.08%
11) 1,1-Dichloroethene-d2	2.59	63	222575	42.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.82%
21) 2-Butanone-d5	4.67	46	265146	117.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.12%
24) Chloroform-d	5.10	84	285041	51.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.64%
26) 1,2-Dichloroethane-d4	5.74	65	215470	53.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.04%
32) Benzene-d6	5.76	84	522713	52.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.06%
36) 1,2-Dichloropropane-d6	6.72	67	174696	53.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.26%
41) Toluene-d8	7.92	98	484643	50.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.90%
43) trans-1,3-Dichloropropene-	8.20	79	87521	49.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.74%
47) 2-Hexanone-d5	8.66	63	182294	108.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.10%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	256011	50.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.48%
64) 1,2-Dichlorobenzene-d4	12.21	152	177631	57.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.08%

Target Compounds

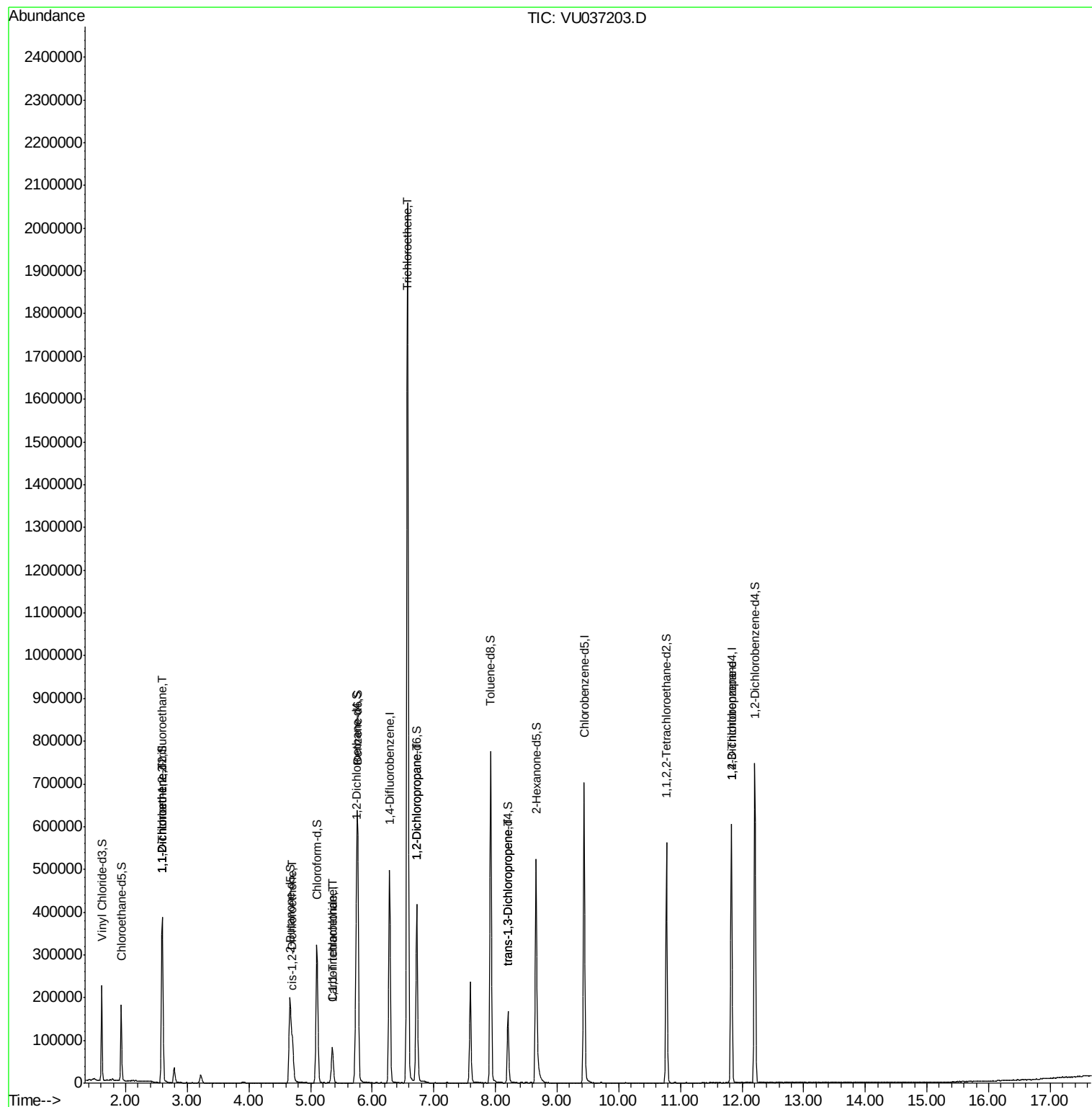
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1789	0.741	ug/L #	24
12) 1,1-Dichloroethene	2.60	96	37461	17.173	ug/L #	32
20) cis-1,2-Dichloroethene	4.71	96	41242	14.919	ug/L	96
30) 1,1,1-Trichloroethane	5.35	97	60342	12.577	ug/L	98
31) Carbon tetrachloride	5.36	117	7066	1.667	ug/L #	56
34) Trichloroethene	6.57	95	678767	245.169	ug/L	99
37) 1,2-Dichloropropane	6.72	63	23274	7.685	ug/L #	88
44) trans-1,3-Dichloropropene	8.20	75	5026	1.134	ug/L	83
59) 1,2,3-Trichloropropane	11.83	75	20804	4.942	ug/L #	85

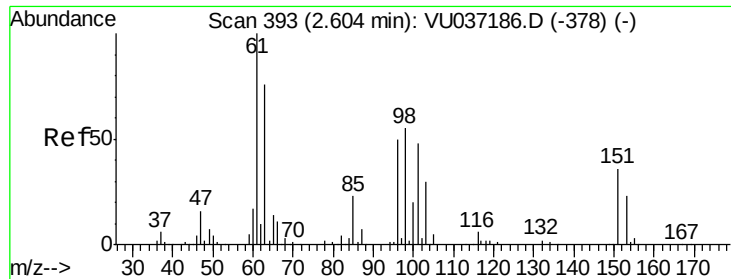
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 13 07:30:58 2020
Response via : Initial Calibration





#10

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

Concen: 0.741 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037203.D

Acq: 12 Mar 2020 20:47

Instrument :

MSVOA_U

ClientSampled :

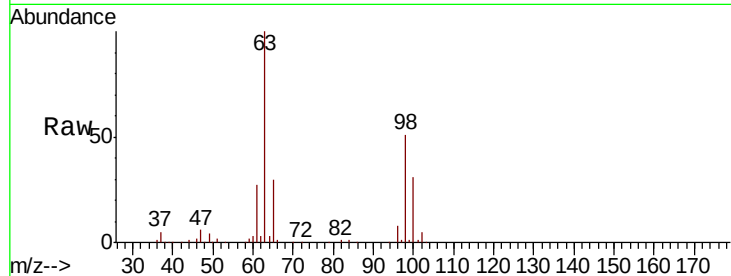
Tot Ion:101 Resp: 1789

Ion Ratio Lower Upper

101 100

85 0.0 37.8 56.6#

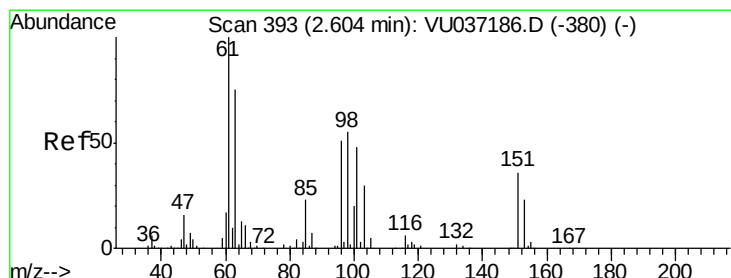
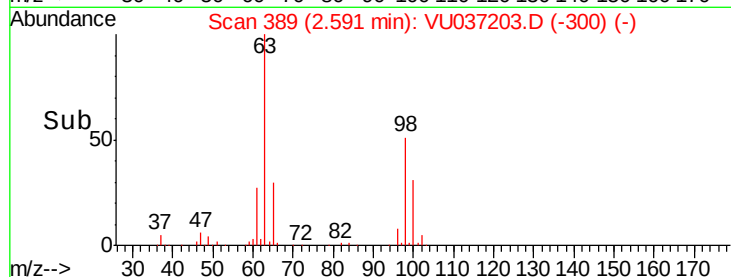
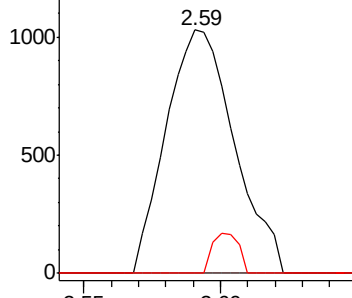
151 6.4 58.5 87.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 17.173 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037203.D

Acq: 12 Mar 2020 20:47

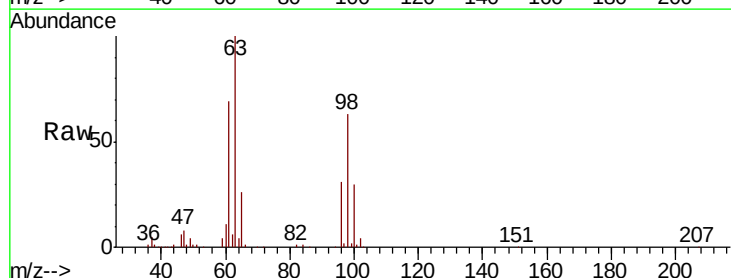
Tgt Ion: 96 Resp: 37461

Ion Ratio Lower Upper

96 100

61 224.4 138.8 257.8

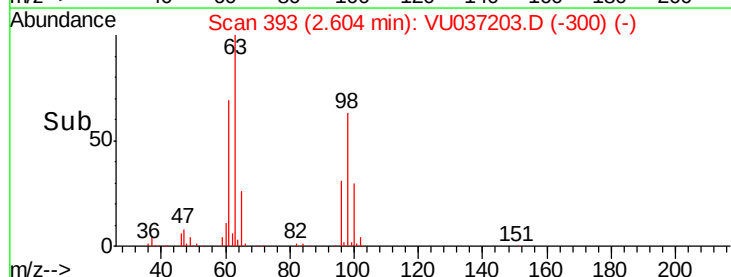
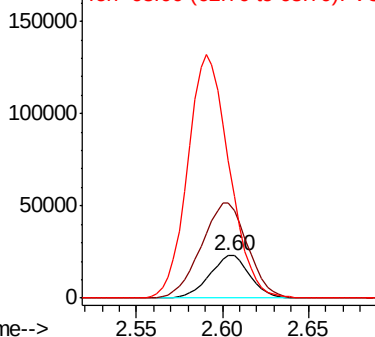
63 323.6 106.4 197.6#

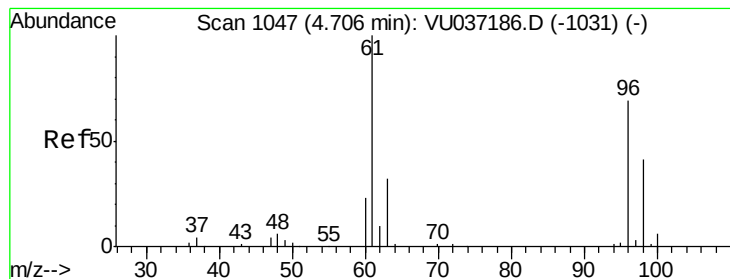


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 14.919 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037203.D

Acq: 12 Mar 2020 20:47

Instrument :

MSVOA_U

ClientSampleId :

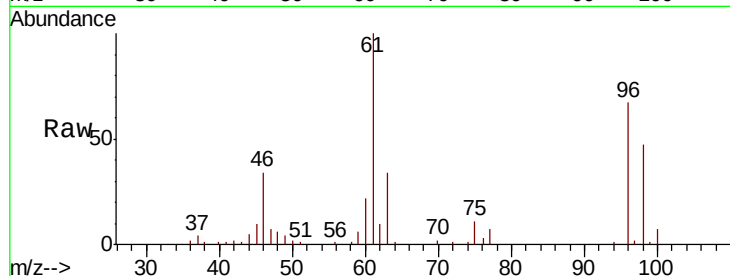
Tot Ion: 96 Resp: 41242

Ion Ratio Lower Upper

96 100

61 149.6 101.2 187.8

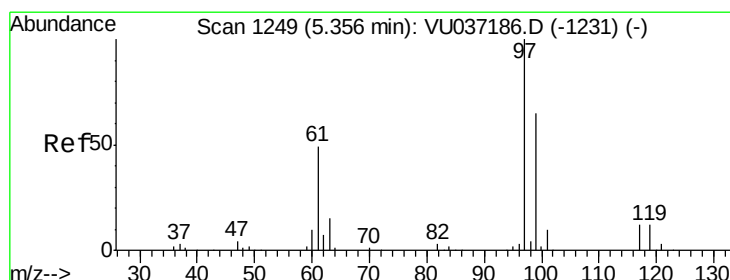
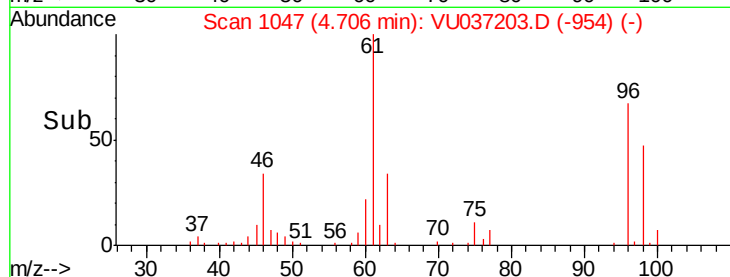
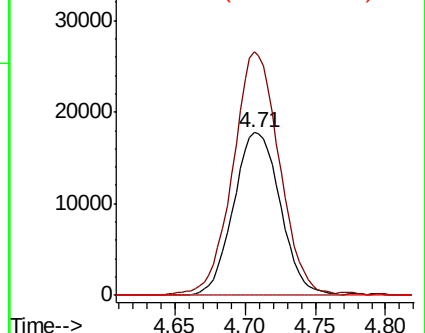
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037186.D (-1031) (-)

Ion 61.00 (60.70 to 61.70): VU037186.D (-1031) (-)

Ion 68.00 (67.70 to 68.70): VU037186.D (-1031) (-)



#30

1,1,1-Trichloroethane

Concen: 12.577 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU037203.D

Acq: 12 Mar 2020 20:47

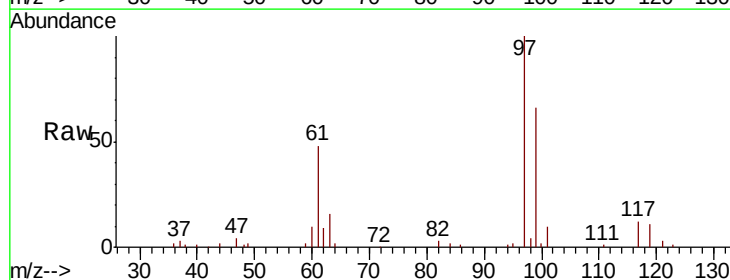
Tgt Ion: 97 Resp: 60342

Ion Ratio Lower Upper

97 100

99 66.3 51.4 77.0

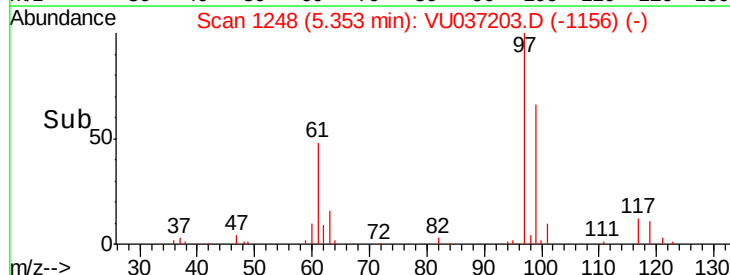
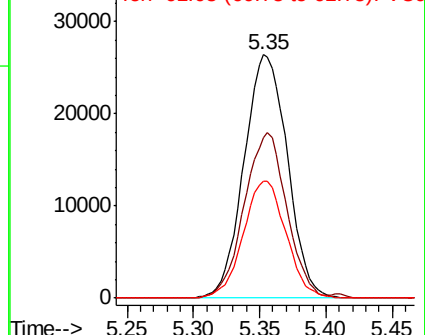
61 47.4 39.0 58.4

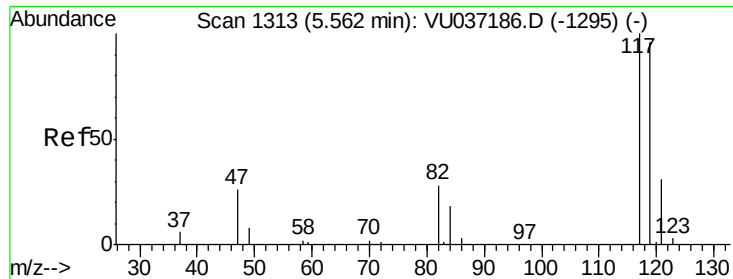


Abundance Ion 97.00 (96.70 to 97.70): VU037186.D (-1231) (-)

Ion 99.00 (98.70 to 99.70): VU037186.D (-1231) (-)

Ion 61.05 (60.75 to 61.75): VU037186.D (-1231) (-)





#31

Carbon tetrachloride

Concen: 1.667 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.21 min

Lab File: VU037203.D

Acq: 12 Mar 2020 20:47

Instrument :

MSVOA_U

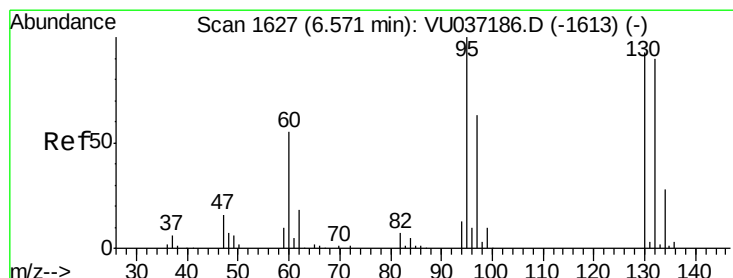
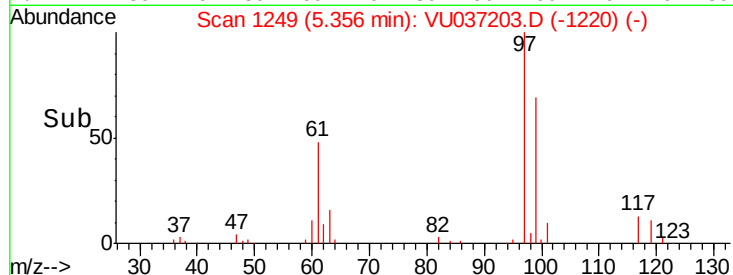
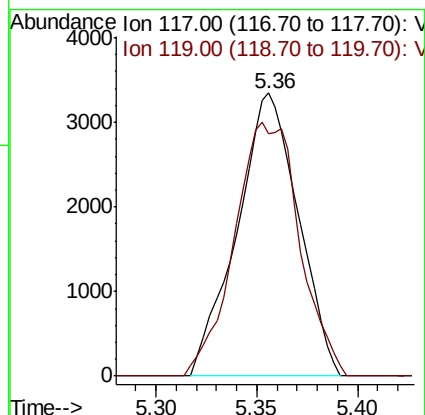
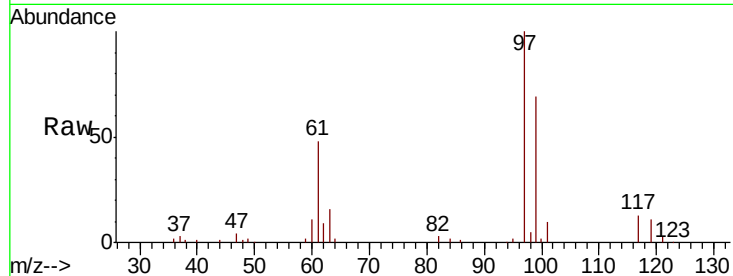
ClientSampled :

Tot Ion:117 Resp: 7066

Ion Ratio Lower Upper

117 100

119 53.4 76.8 115.2#



#34

Trichloroethene

Concen: 245.169 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037203.D

Acq: 12 Mar 2020 20:47

Tgt Ion: 95 Resp: 678767

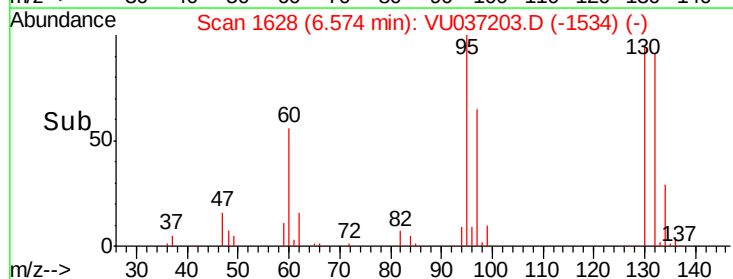
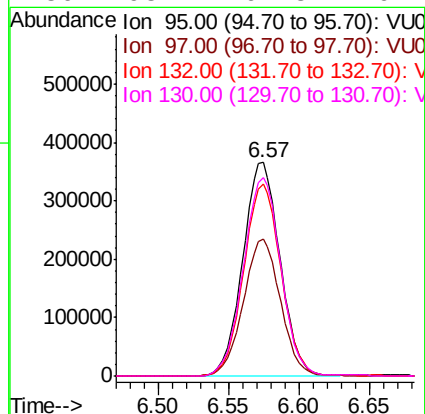
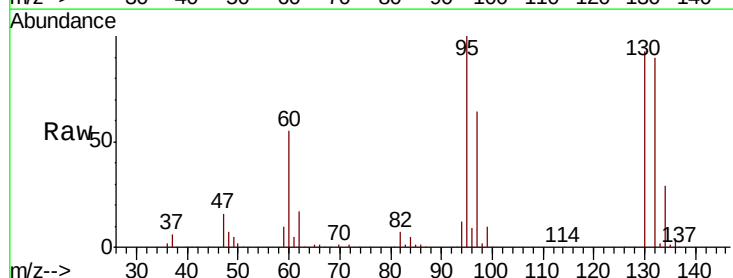
Ion Ratio Lower Upper

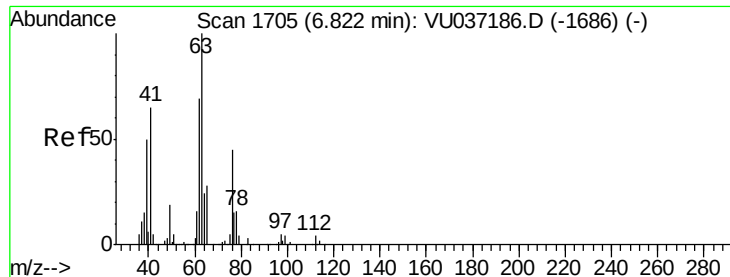
95 100

97 64.1 43.8 81.4

132 89.7 62.6 116.3

130 93.2 64.8 120.4

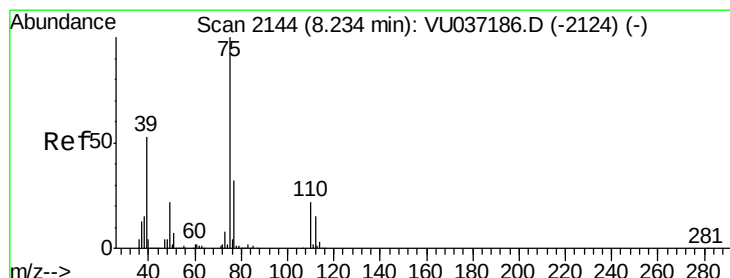
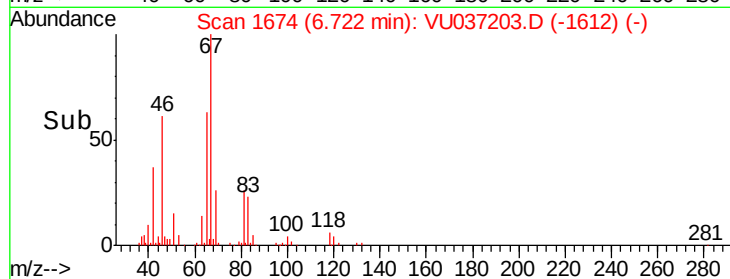
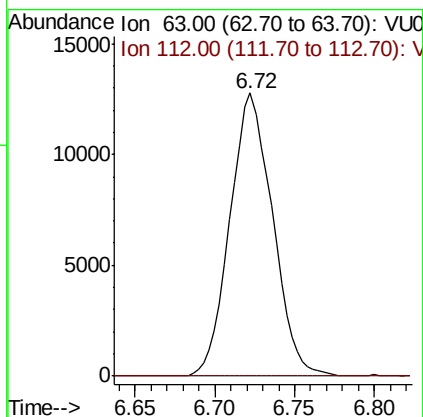
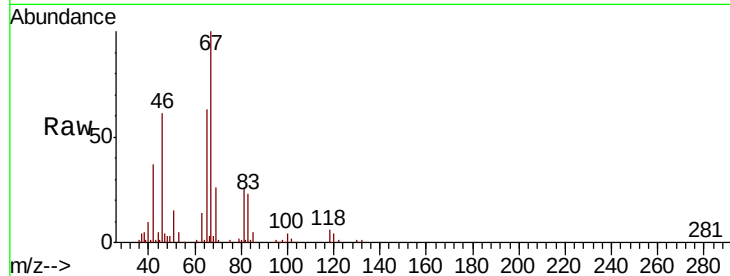




#37
 1,2-Dichloropropane
 Concen: 7.685 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037203.D
 Acq: 12 Mar 2020 20:47

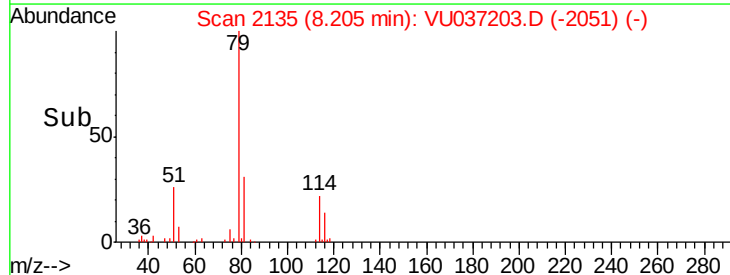
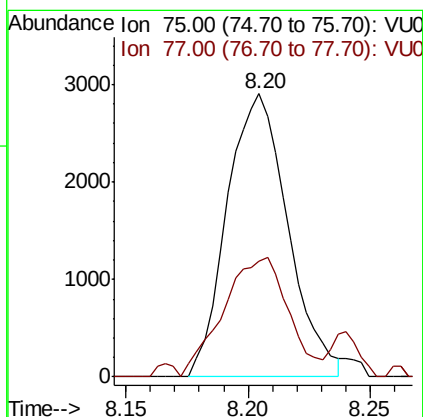
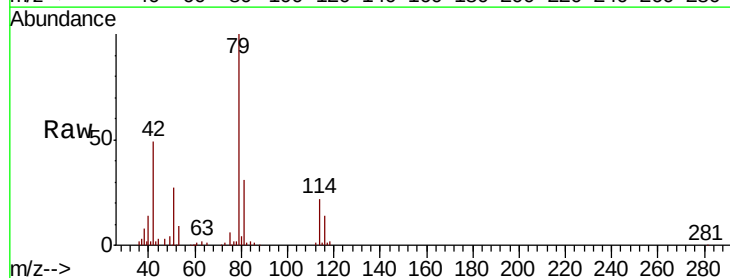
Instrument :
 MSVOA_U
 ClientSampled :

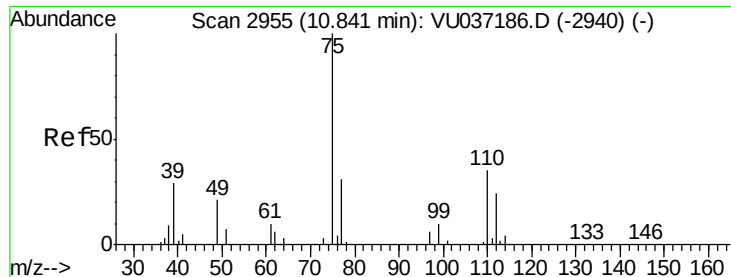
Tot Ion: 63 Resp: 23274
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#44
 trans-1,3-Dichloropropene
 Concen: 1.134 ug/L
 RT: 8.20 min Scan# 2135
 Delta R.T. -0.03 min
 Lab File: VU037203.D
 Acq: 12 Mar 2020 20:47

Tgt Ion: 75 Resp: 5026
 Ion Ratio Lower Upper
 75 100
 77 41.0 22.1 41.1





#59

1,2,3-Trichloropropane

Concen: 4.942 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU037203.D

Acq: 12 Mar 2020 20:47

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 20804

Ion Ratio Lower Upper

75 100

77 39.6 25.0 37.6#

