

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037191.D
 Acq On : 12 Mar 2020 16:13
 Operator : JC/MD
 Sample : L1784-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 13 07:34:00 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	343800	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	325503	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	141250	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	145506	54.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.36%
7) Chloroethane-d5	1.93	69	119174	55.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.10%
11) 1,1-Dichloroethene-d2	2.59	63	209363	42.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.78%
21) 2-Butanone-d5	4.67	46	247905	117.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.73%
24) Chloroform-d	5.10	84	280912	54.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.82%
26) 1,2-Dichloroethane-d4	5.74	65	211872	56.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.16%
32) Benzene-d6	5.76	84	520712	58.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.22%
36) 1,2-Dichloropropane-d6	6.72	67	170590	58.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.32%
41) Toluene-d8	7.93	98	481075	56.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.32%
43) trans-1,3-Dichloropropene-	8.20	79	90180	56.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.96%
47) 2-Hexanone-d5	8.66	63	169939	111.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.91%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	243909	53.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.36%
64) 1,2-Dichlorobenzene-d4	12.21	152	170929	58.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.68%

Target Compounds

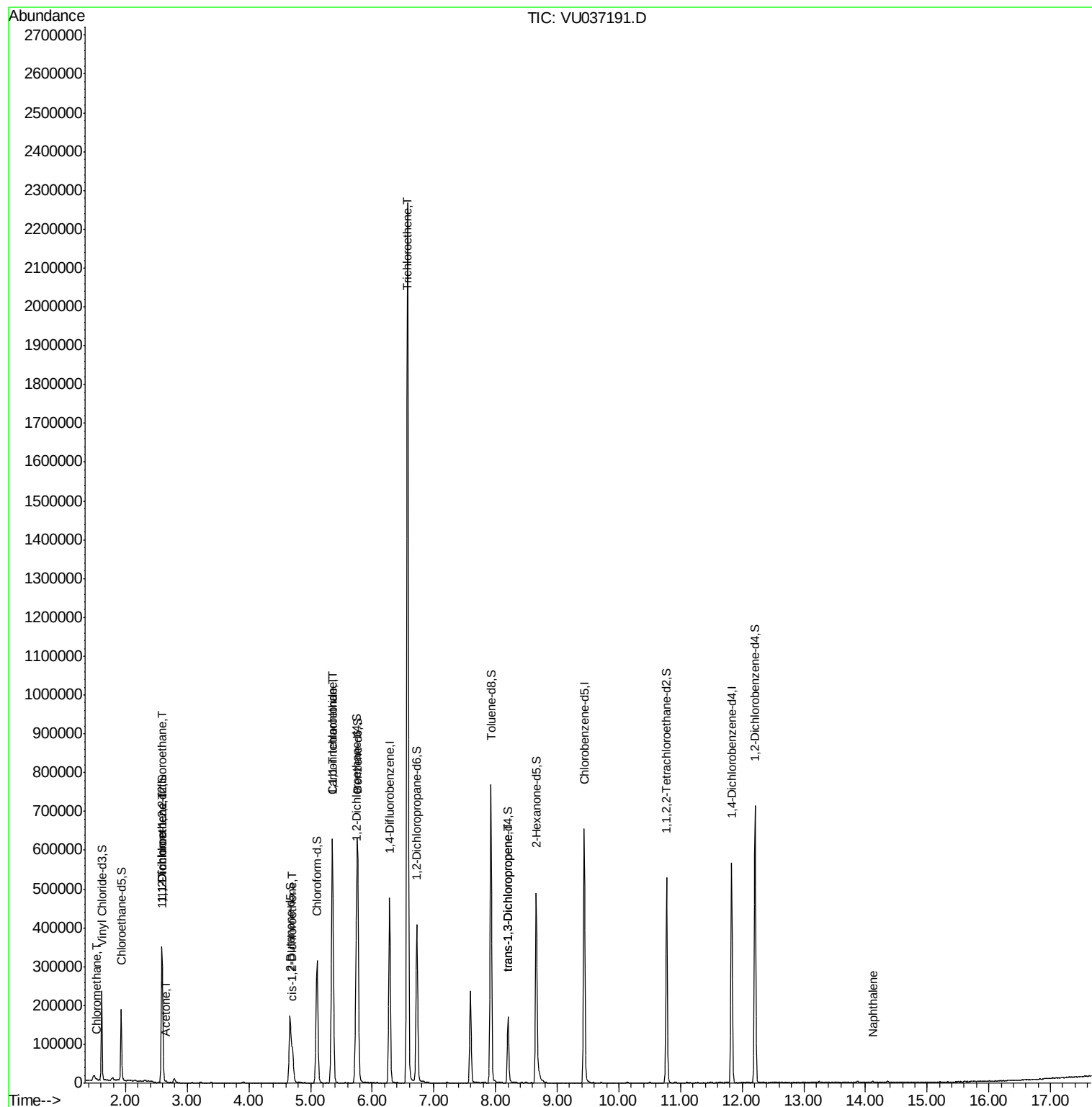
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.54	50	2351	0.818	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	6599	2.939	ug/L	86
12) 1,1-Dichloroethene	2.60	96	6495	3.201	ug/L #	1
13) Acetone	2.66	43	5025	2.515	ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	35860	13.947	ug/L	93
30) 1,1,1-Trichloroethane	5.36	97	448483	103.803	ug/L	100
31) Carbon tetrachloride	5.36	117	52734	13.814	ug/L	99
34) Trichloroethene	6.57	95	744294	298.539	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	5214	1.306	ug/L	100
69) Naphthalene	14.12	128	2985	0.773	ug/L #	78

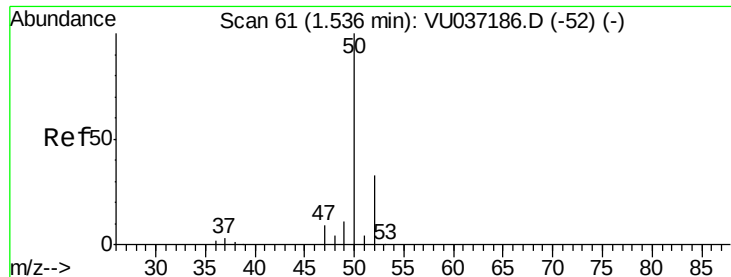
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#3

Chloromethane

Concen: 0.818 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037191.D

Acq: 12 Mar 2020 16:13

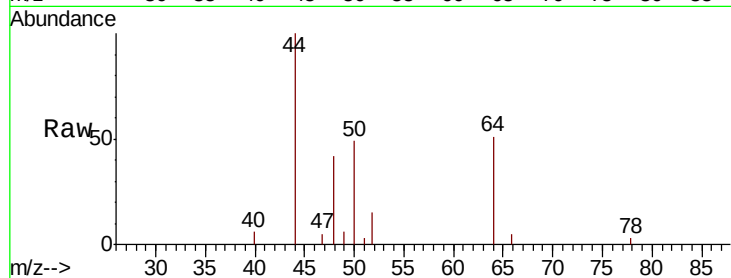
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 2351

Ion Ratio Lower Upper

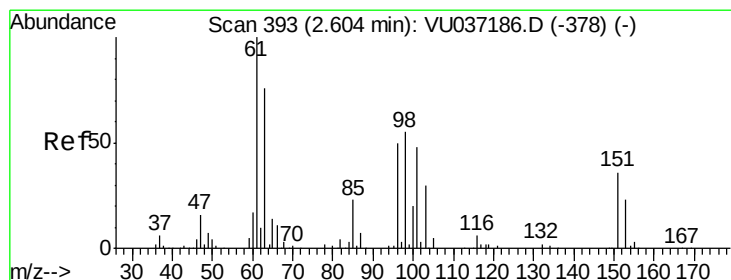
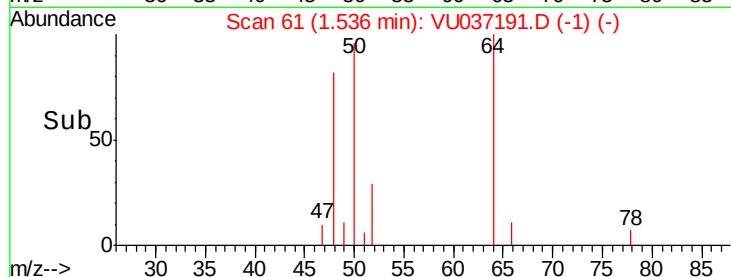
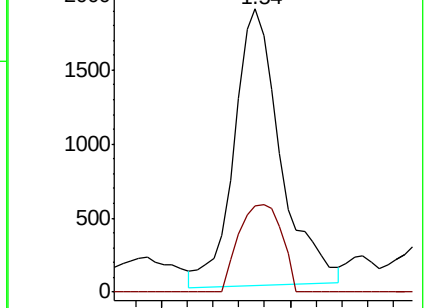
50 100

52 30.4 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU037191.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037191.D (-52) (-)



#10

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

Concen: 2.939 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037191.D

Acq: 12 Mar 2020 16:13

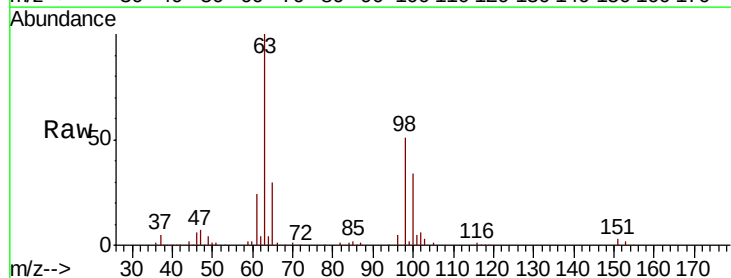
Tgt Ion:101 Resp: 6599

Ion Ratio Lower Upper

101 100

85 39.8 37.8 56.6

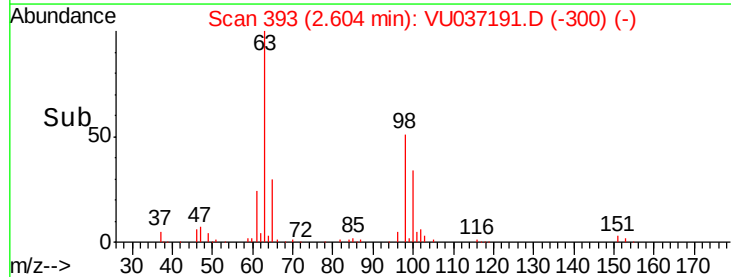
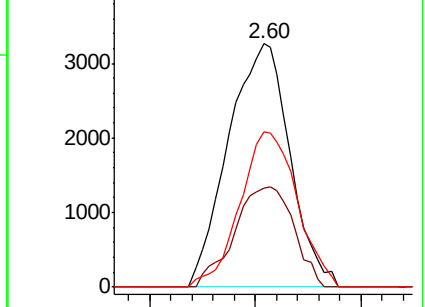
151 59.3 58.5 87.7

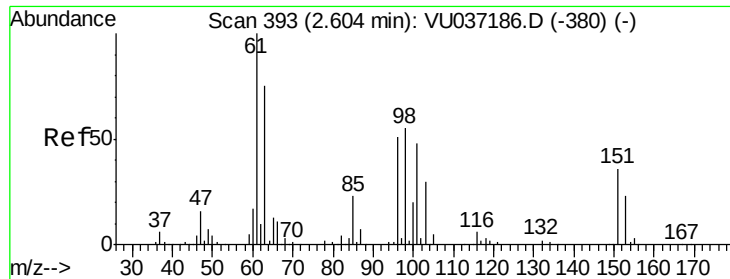


Abundance Ion 101.00 (100.70 to 101.70): VU037191.D (-378) (-)

Ion 85.00 (84.70 to 85.70): VU037191.D (-378) (-)

Ion 151.00 (150.70 to 151.70): VU037191.D (-378) (-)





#12

1,1-Dichloroethene

Concen: 3.201 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037191.D

Acq: 12 Mar 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

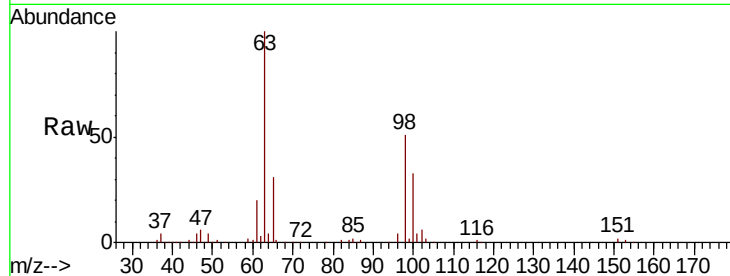
Tot Ion: 96 Resp: 6495

Ion Ratio Lower Upper

96 100

61 500.6 138.8 257.8#

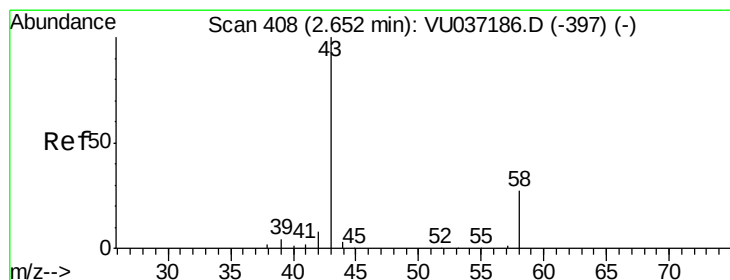
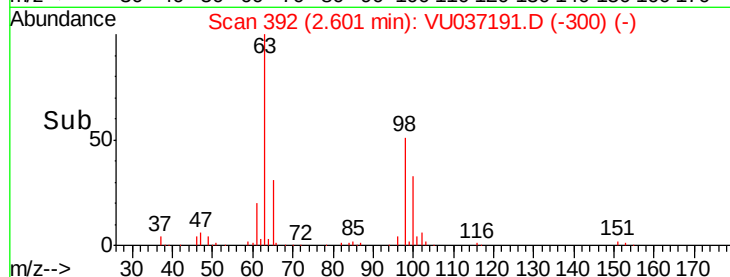
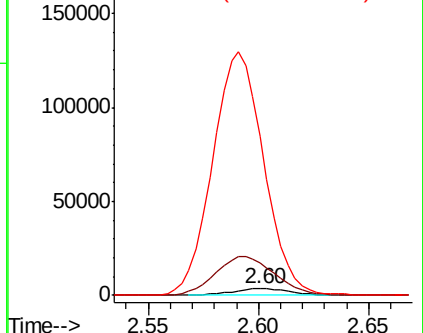
63 2477.2 106.4 197.6#



Abundance Ion 96.00 (95.70 to 96.70): VU037191.D (-300) (-)

Ion 61.00 (60.70 to 61.70): VU037191.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU037191.D (-300) (-)



#13

Acetone

Concen: 2.515 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037191.D

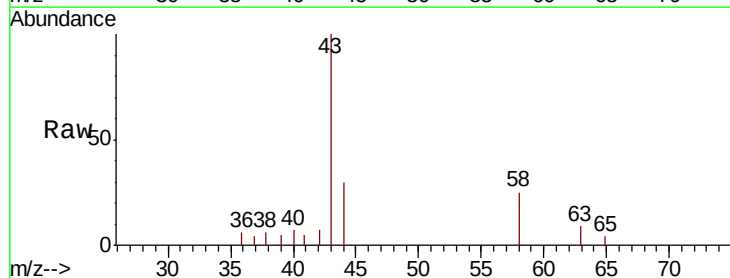
Acq: 12 Mar 2020 16:13

Tgt Ion: 43 Resp: 5025

Ion Ratio Lower Upper

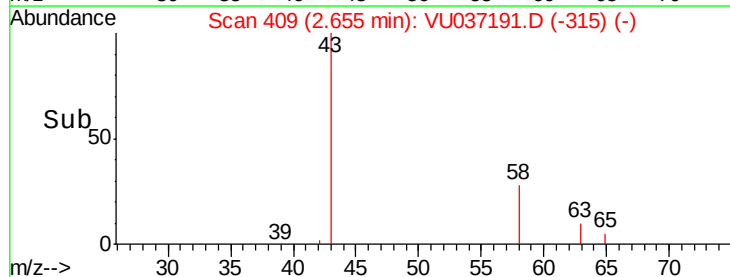
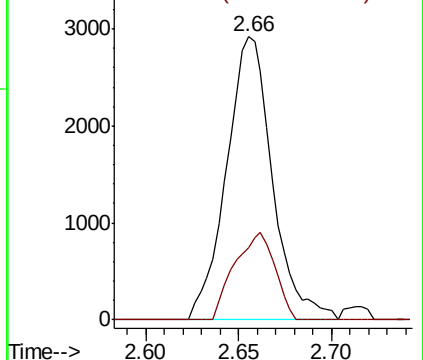
43 100

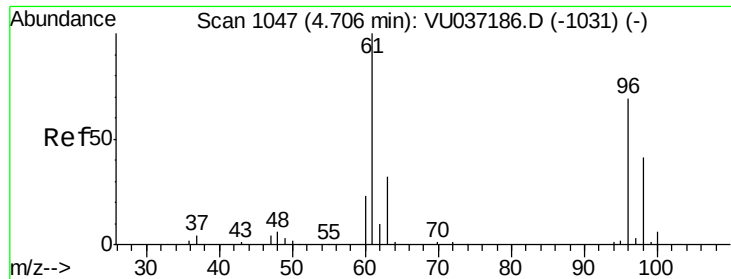
58 27.2 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VU037191.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VU037191.D (-315) (-)

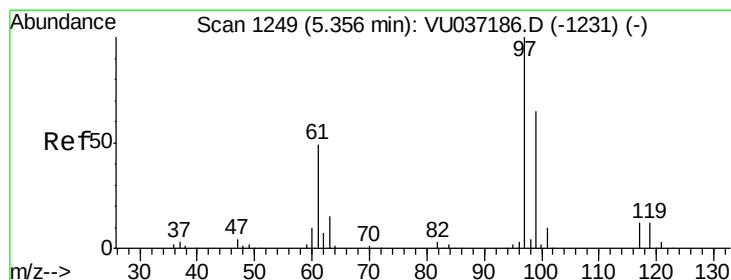
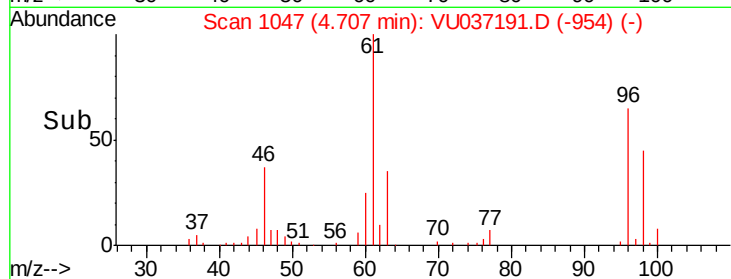
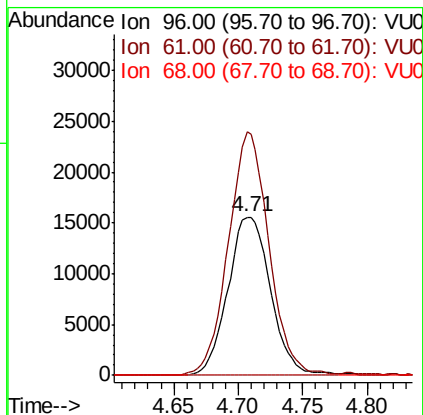
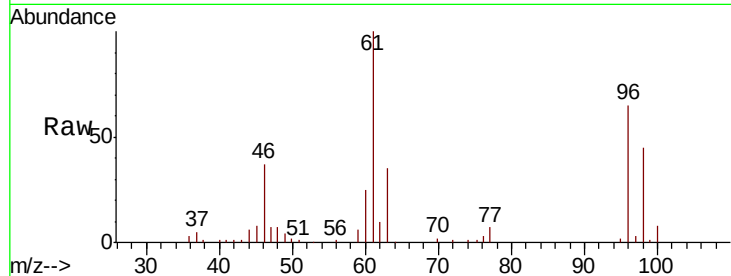




#20
 cis-1,2-Dichloroethene
 Concen: 13.947 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037191.D
 Acq: 12 Mar 2020 16:13

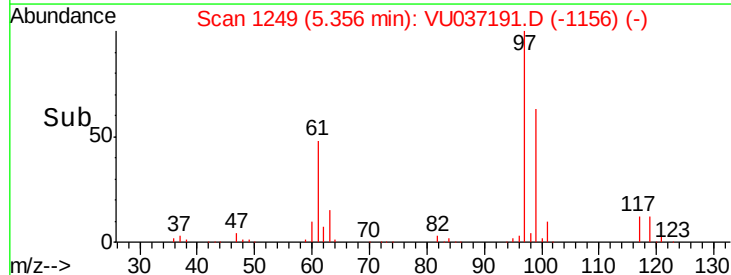
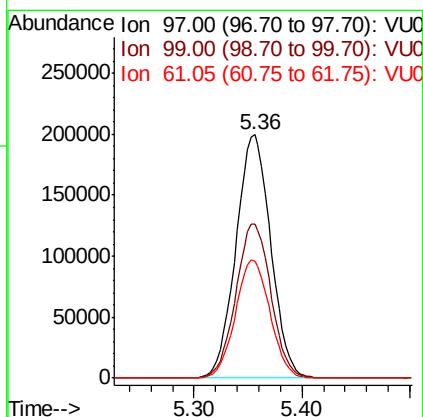
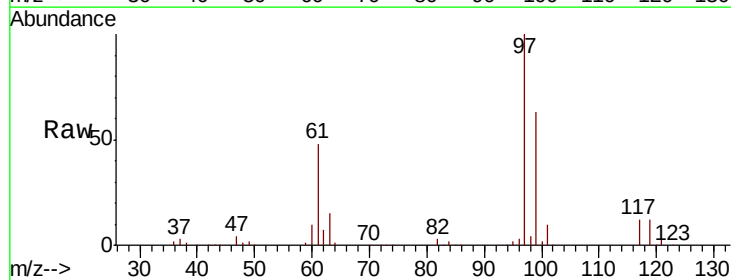
Instrument :
 MSVOA_U
 ClientSampleId :

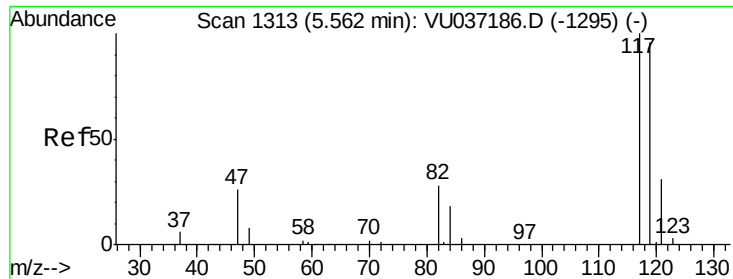
Tot Ion: 96 Resp: 35860
 Ion Ratio Lower Upper
 96 100
 61 153.8 101.2 187.8
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 103.803 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037191.D
 Acq: 12 Mar 2020 16:13

Tgt Ion: 97 Resp: 448483
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.4 77.0
 61 48.3 39.0 58.4





#31

Carbon tetrachloride

Concen: 13.814 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.21 min

Lab File: VU037191.D

Acq: 12 Mar 2020 16:13

Instrument :

MSVOA_U

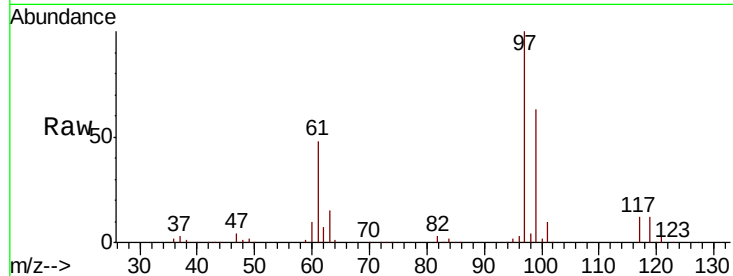
ClientSampleId :

Tot Ion:117 Resp: 52734

Ion Ratio Lower Upper

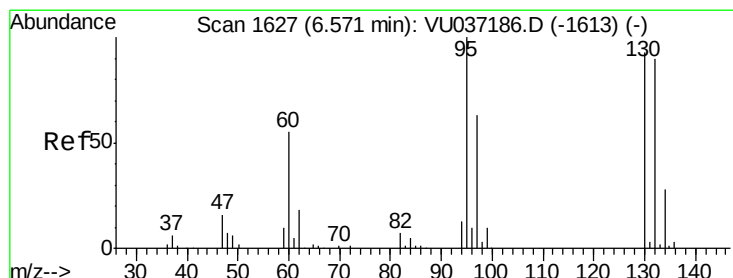
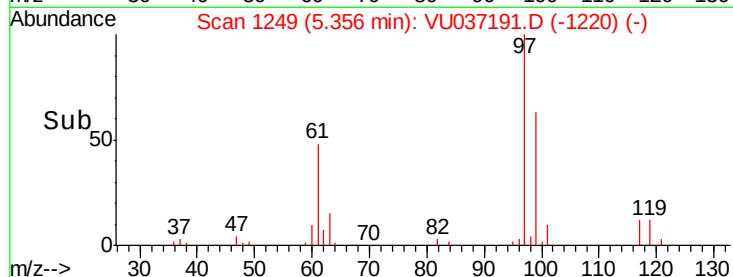
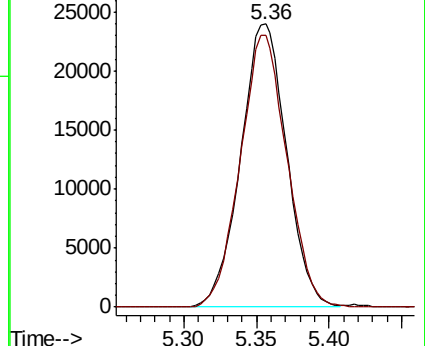
117 100

119 97.4 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 298.539 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037191.D

Acq: 12 Mar 2020 16:13

Tgt Ion: 95 Resp: 744294

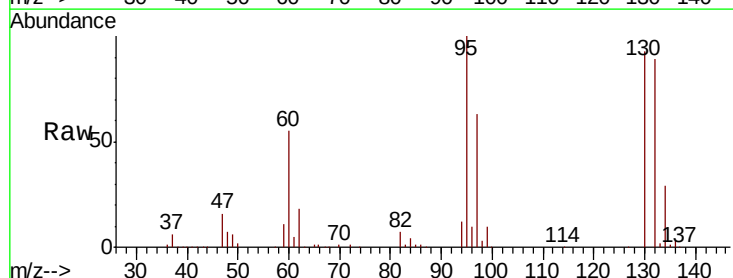
Ion Ratio Lower Upper

95 100

97 63.3 43.8 81.4

132 88.6 62.6 116.3

130 93.0 64.8 120.4

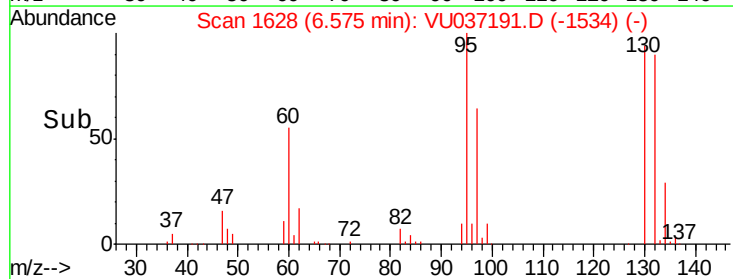
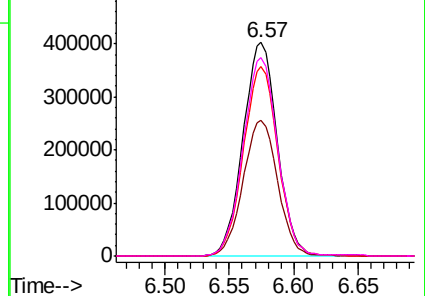


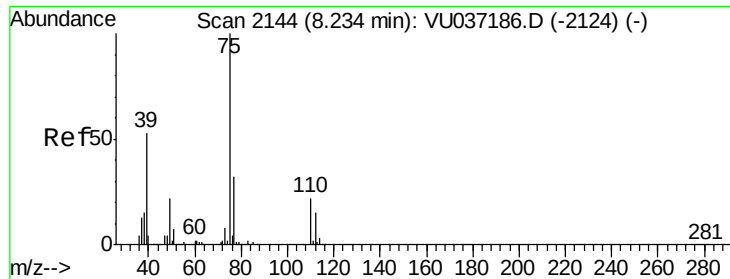
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#44

trans-1,3-Dichloropropene

Concen: 1.306 ug/L

RT: 8.21 min Scan# 2136

Delta R.T. -0.03 min

Lab File: VU037191.D

Acq: 12 Mar 2020 16:13

Instrument :

MSVOA_U

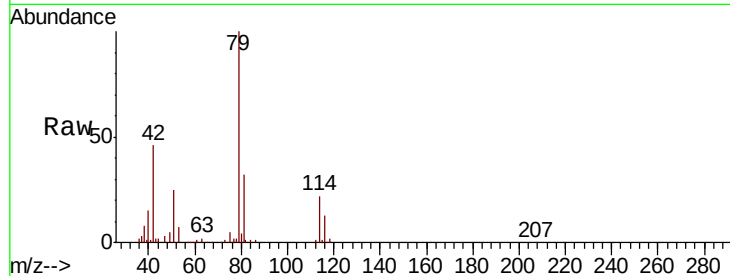
ClientSampleId :

Tot Ion: 75 Resp: 5214

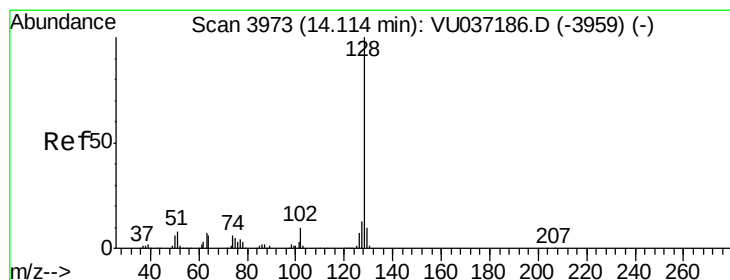
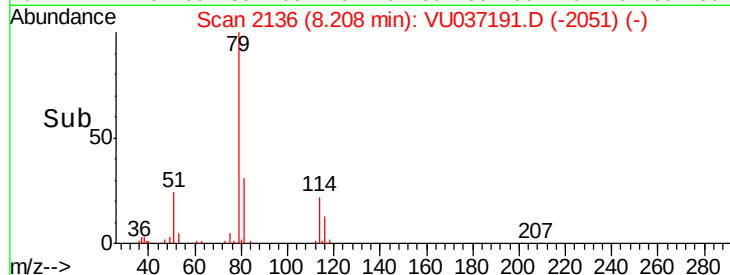
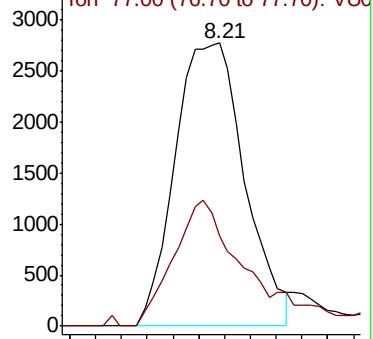
Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU037186.D (-2124) (-)



#69

Naphthalene

Concen: 0.773 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037191.D

Acq: 12 Mar 2020 16:13

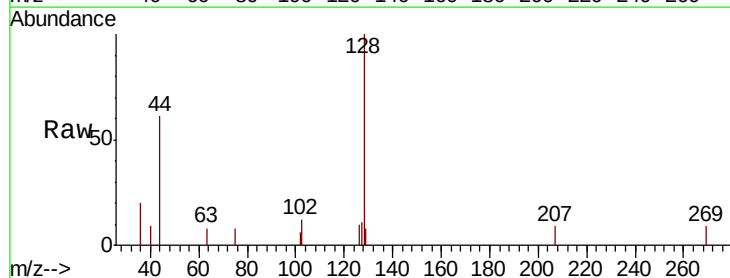
Tgt Ion: 128 Resp: 2985

Ion Ratio Lower Upper

128 100

127 3.0 10.2 15.4#

129 3.8 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): VU037186.D (-3959) (-)

