

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037192.D
 Acq On : 12 Mar 2020 16:36
 Operator : JC/MD
 Sample : L1784-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 13 07:34:08 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	403257	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	393383	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	164470	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	149151	47.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.58%
7) Chloroethane-d5	1.93	69	123967	49.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.54%
11) 1,1-Dichloroethene-d2	2.59	63	211532	36.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.88%
21) 2-Butanone-d5	4.67	46	267236	108.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.20%
24) Chloroform-d	5.10	84	290402	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.74	65	220460	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.38%
32) Benzene-d6	5.76	84	539629	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
36) 1,2-Dichloropropane-d6	6.72	67	177898	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.38%
41) Toluene-d8	7.92	98	499457	48.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.50%
43) trans-1,3-Dichloropropene-	8.20	79	92298	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.68%
47) 2-Hexanone-d5	8.66	63	182815	99.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.61%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	258622	47.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	180039	52.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.54%

Target Compounds

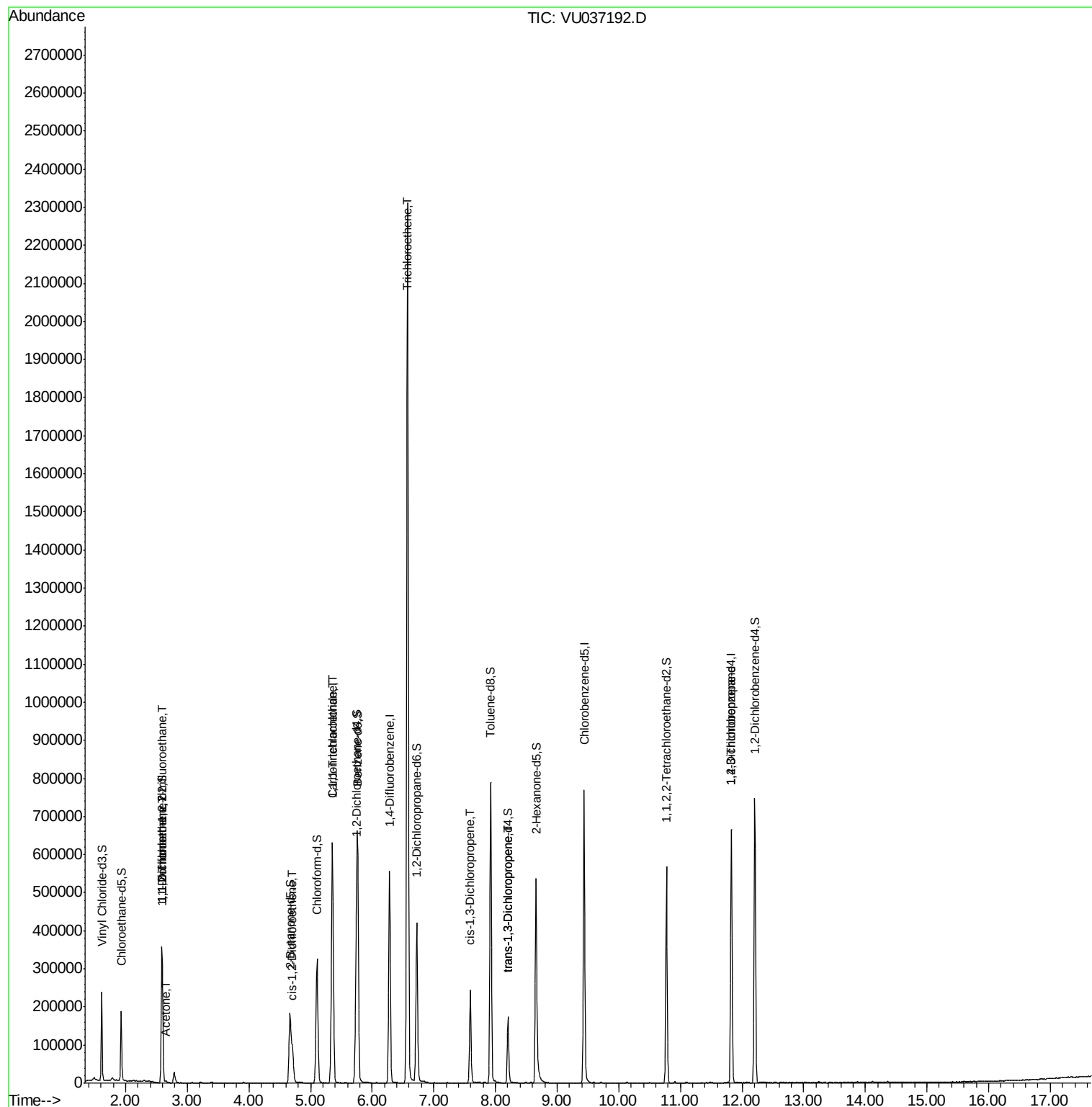
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3487	1.324	ug/L #	60
12) 1,1-Dichloroethene	2.60	96	6467	2.717	ug/L #	1
13) Acetone	2.66	43	5430	2.317	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	38688	12.828	ug/L	92
30) 1,1,1-Trichloroethane	5.36	97	449188	86.026	ug/L	100
31) Carbon tetrachloride	5.35	117	52239	11.323	ug/L	94
34) Trichloroethene	6.57	95	750799	249.184	ug/L	98
39) cis-1,3-Dichloropropene	7.59	75	6830	1.336	ug/L #	64
44) trans-1,3-Dichloropropene	8.20	75	4795	0.994	ug/L	83
59) 1,2,3-Trichloropropane	11.83	75	24023	5.243	ug/L	89

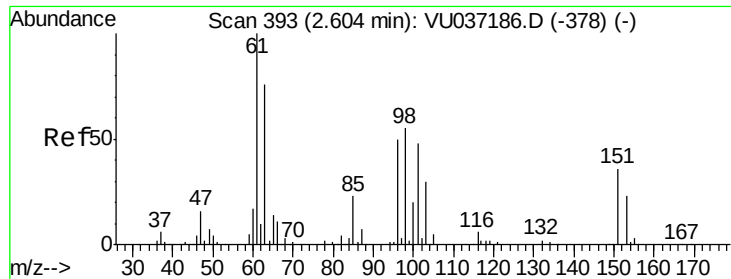
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 1.324 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037192.D

Acq: 12 Mar 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

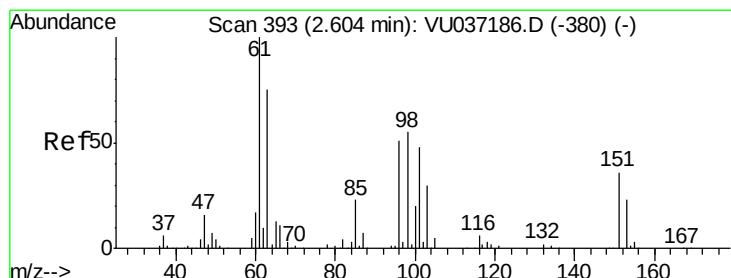
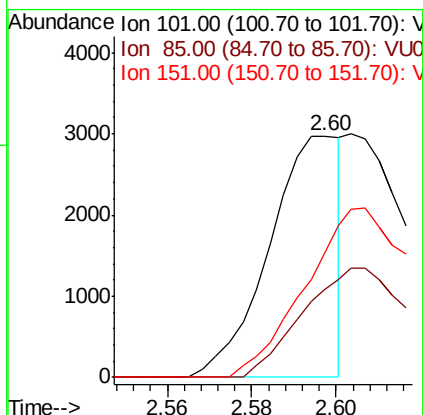
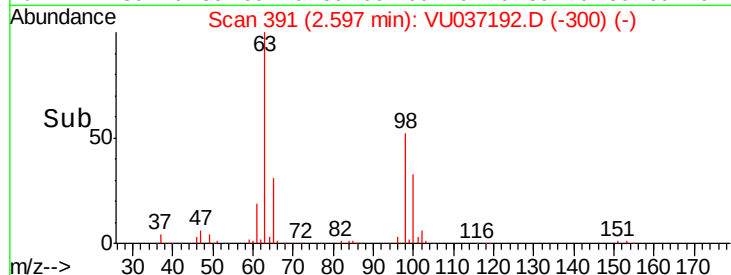
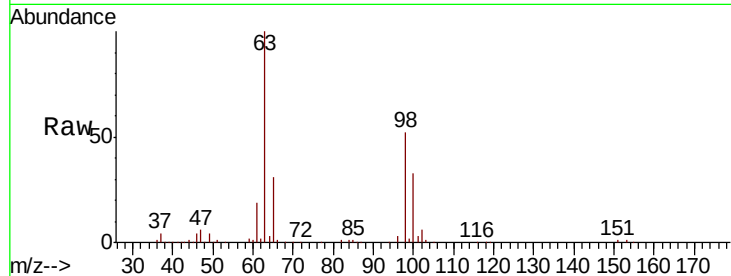
Tot Ion:101 Resp: 3487

Ion Ratio Lower Upper

101 100

85 68.7 37.8 56.6#

151 110.5 58.5 87.7#



#12

1,1-Dichloroethene

Concen: 2.717 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037192.D

Acq: 12 Mar 2020 16:36

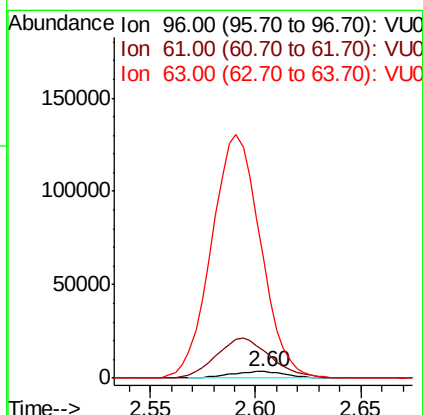
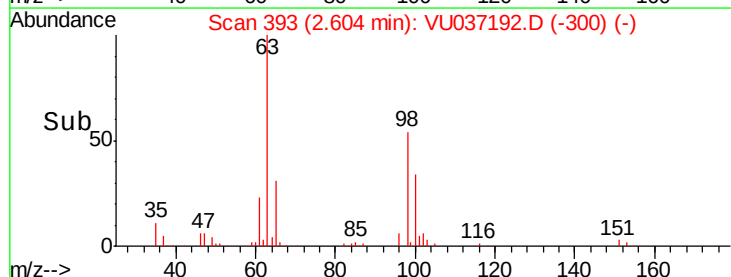
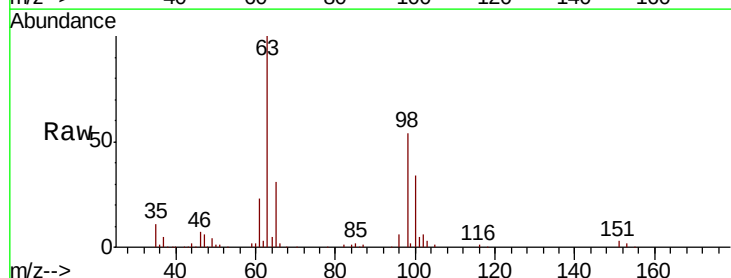
Tgt Ion: 96 Resp: 6467

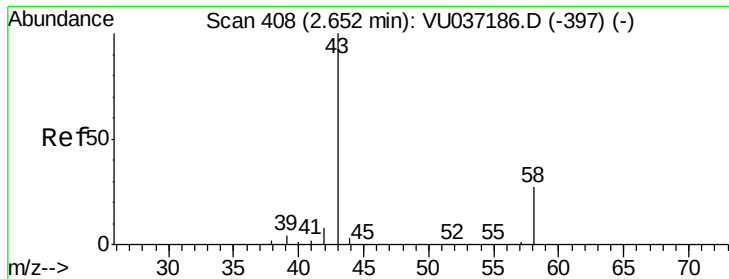
Ion Ratio Lower Upper

96 100

61 418.2 138.8 257.8#

63 1816.5 106.4 197.6#

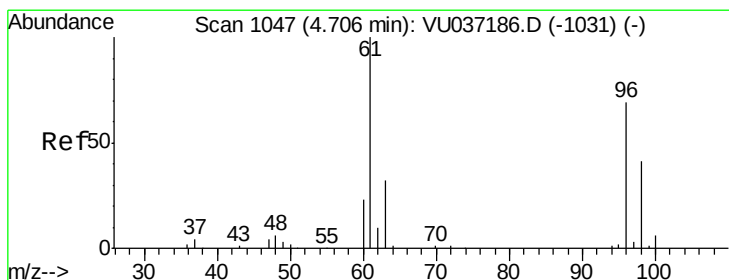
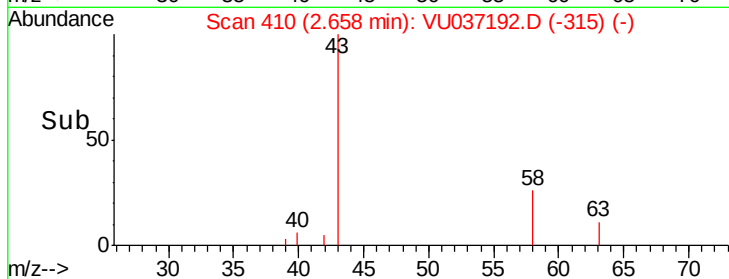
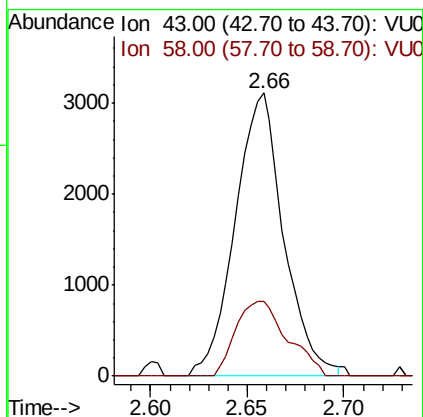
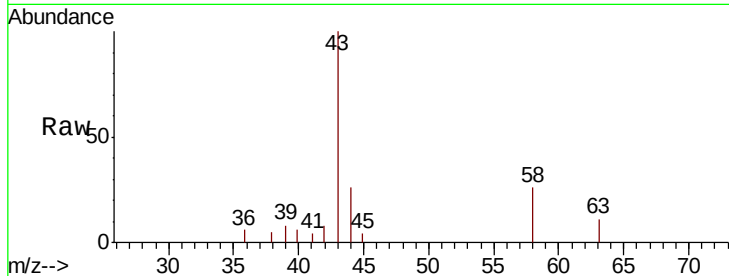




#13
Acetone
Concen: 2.317 ug/L
RT: 2.66 min Scan# 410
Delta R.T. 0.01 min
Lab File: VU037192.D
Acq: 12 Mar 2020 16:36

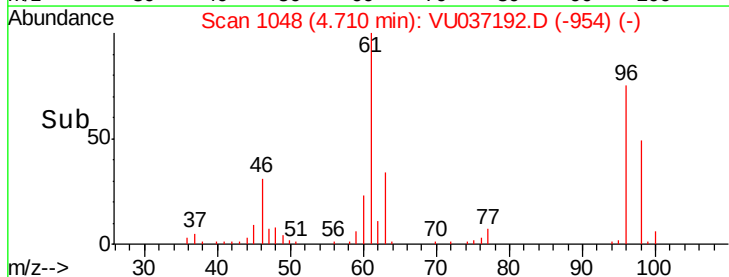
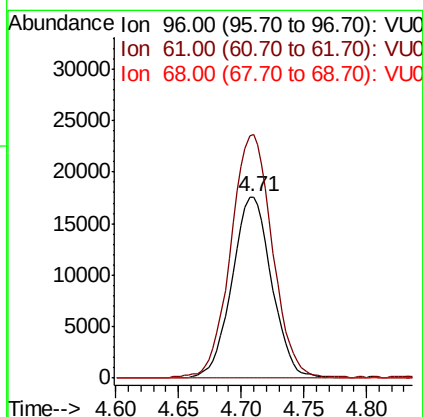
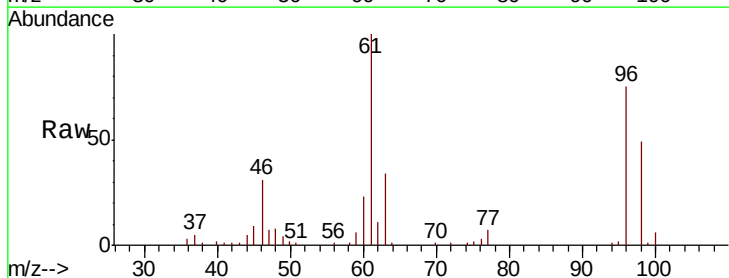
Instrument :
MSVOA_U
ClientSampleId :

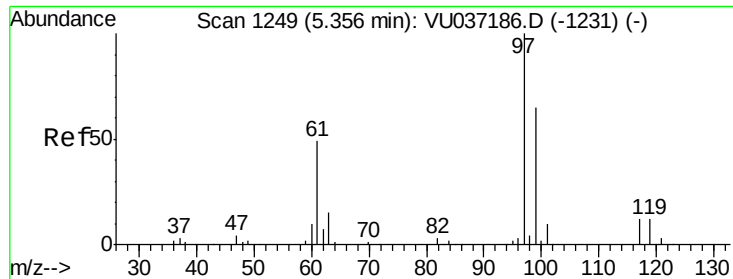
Tot Ion: 43 Resp: 5430
Ion Ratio Lower Upper
43 100
58 28.2 0.0 57.2



#20
cis-1,2-Dichloroethene
Concen: 12.828 ug/L
RT: 4.71 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU037192.D
Acq: 12 Mar 2020 16:36

Tgt Ion: 96 Resp: 38688
Ion Ratio Lower Upper
96 100
61 134.2 101.2 187.8
68 0.0 0.0 0.0

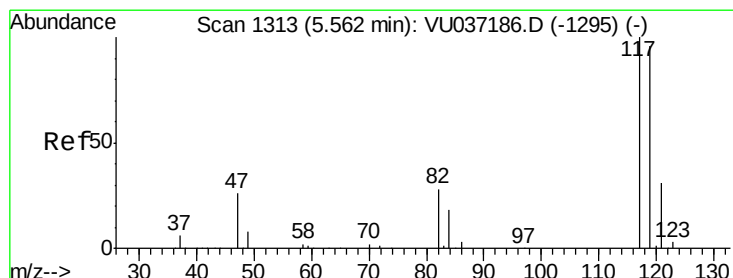
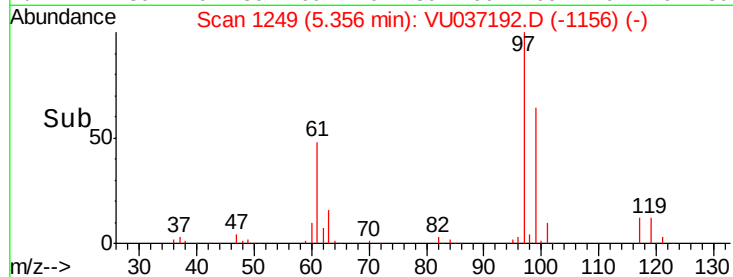
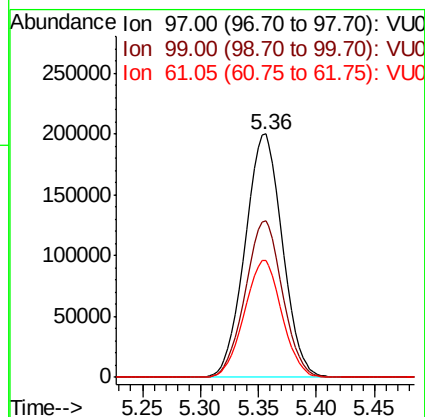
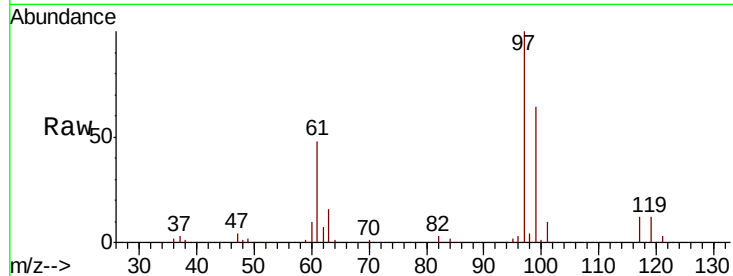




#30
 1,1,1-Trichloroethane
 Concen: 86.026 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037192.D
 Acq: 12 Mar 2020 16:36

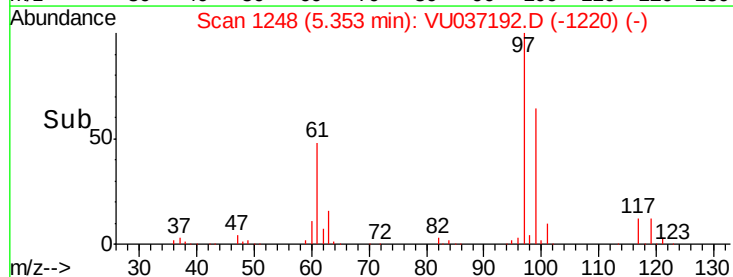
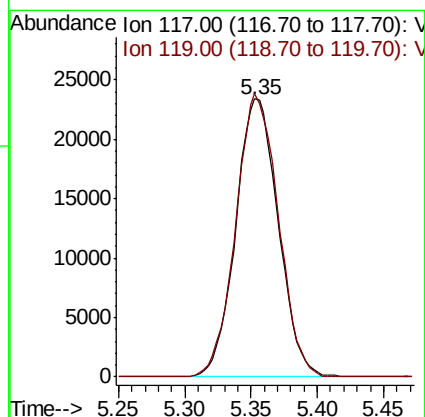
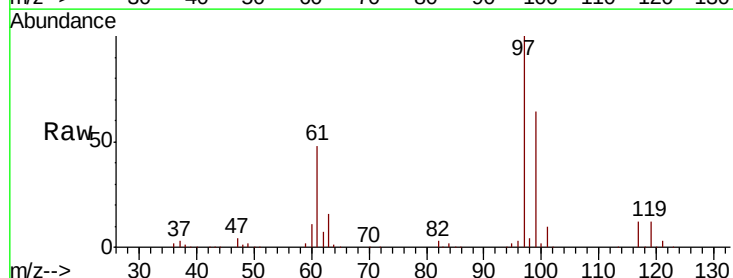
Instrument :
 MSVOA_U
 ClientSampleId :

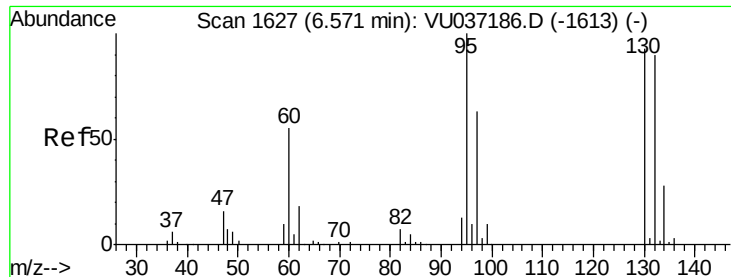
Tot Ion: 97 Resp: 449188
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.4 77.0
 61 48.1 39.0 58.4



#31
 Carbon tetrachloride
 Concen: 11.323 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.21 min
 Lab File: VU037192.D
 Acq: 12 Mar 2020 16:36

Tgt Ion: 117 Resp: 52239
 Ion Ratio Lower Upper
 117 100
 119 101.8 76.8 115.2

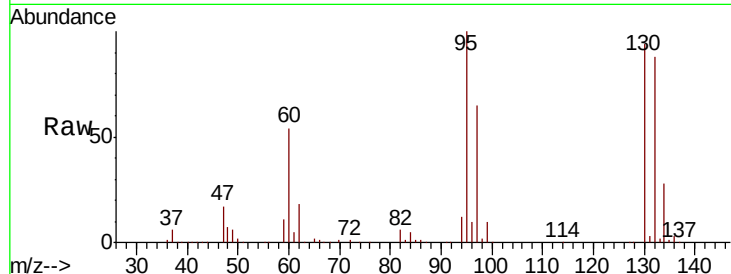




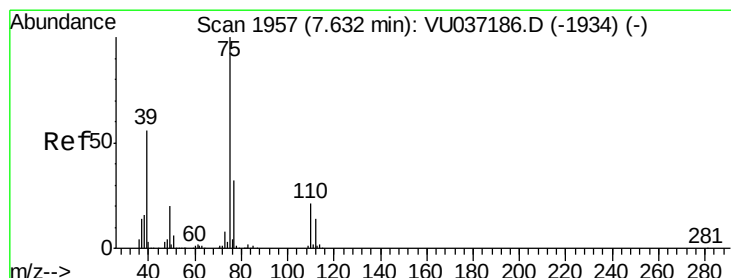
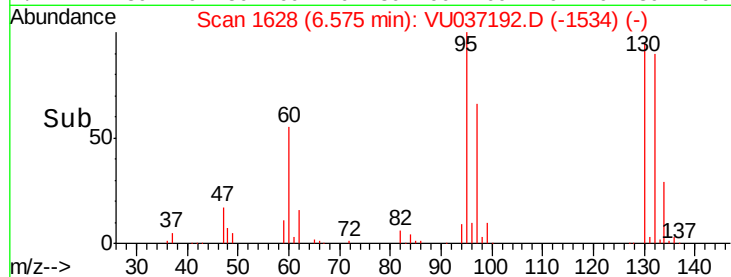
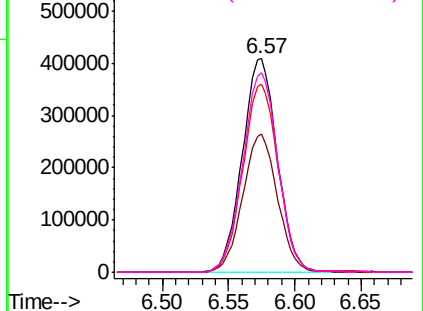
#34
 Trichloroethene
 Concen: 249.184 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037192.D
 Acq: 12 Mar 2020 16:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	750799
Ion	Ratio	Lower	Upper
95	100		
97	64.8	43.8	81.4
132	88.4	62.6	116.3
130	93.6	64.8	120.4

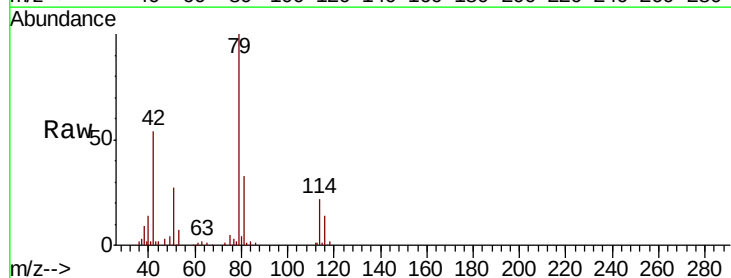


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

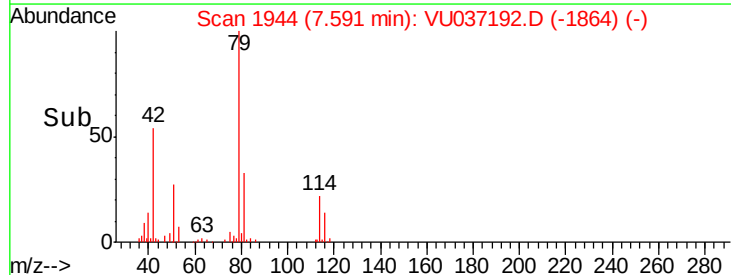
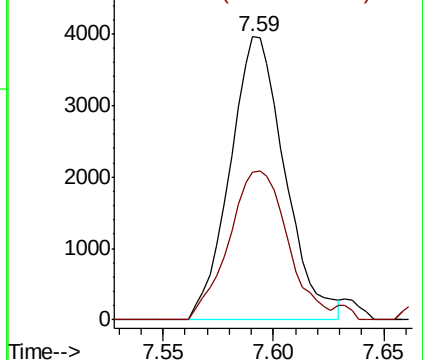


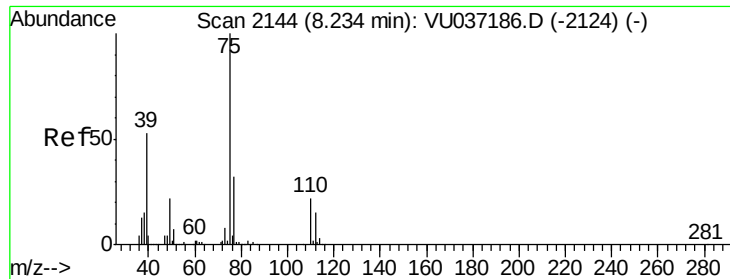
#39
 cis-1,3-Dichloropropene
 Concen: 1.336 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037192.D
 Acq: 12 Mar 2020 16:36

Tgt Ion:	75	Resp:	6830
Ion	Ratio	Lower	Upper
75	100		
77	52.1	22.5	41.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.994 ug/L

RT: 8.20 min Scan# 2135

Delta R.T. -0.03 min

Lab File: VU037192.D

Acq: 12 Mar 2020 16:36

Instrument :

MSVOA_U

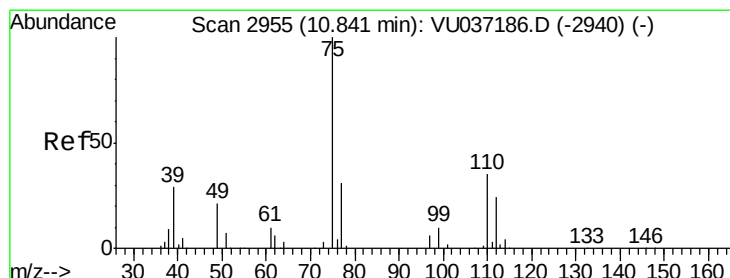
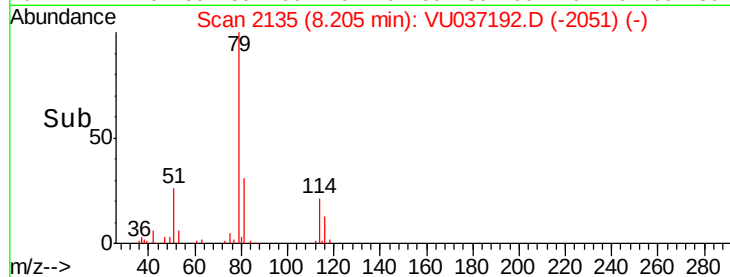
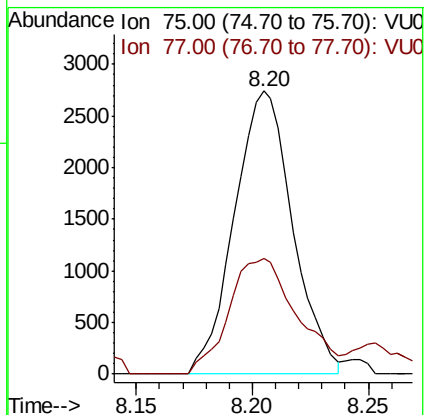
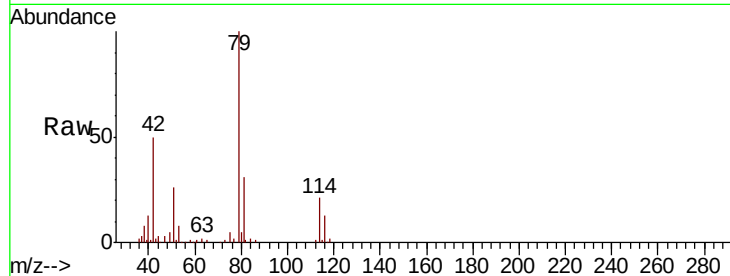
ClientSampleId :

Tot Ion: 75 Resp: 4795

Ion Ratio Lower Upper

75 100

77 40.8 22.1 41.1



#59

1,2,3-Trichloropropane

Concen: 5.243 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU037192.D

Acq: 12 Mar 2020 16:36

Tgt Ion: 75 Resp: 24023

Ion Ratio Lower Upper

75 100

77 37.1 25.0 37.6

