

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\
 Data File : VU037956.D
 Acq On : 30 Apr 2020 16:56
 Operator : JC/MD
 Sample : L2396-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 01 02:20:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 01 02:16:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	671158	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	648041	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	288246	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	258537	43.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.58%
7) Chloroethane-d5	1.93	69	223086	46.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.92%
11) 1,1-Dichloroethene-d2	2.59	63	371173	38.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.88%
21) 2-Butanone-d5	4.66	46	418149	90.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.63%
24) Chloroform-d	5.10	84	416835	45.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.74	65	302647	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
32) Benzene-d6	5.76	84	915670	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
36) 1,2-Dichloropropane-d6	6.72	67	302996	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.68%
41) Toluene-d8	7.92	98	818365	46.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.42%
43) trans-1,3-Dichloropropene-	8.20	79	111811	37.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.30%
47) 2-Hexanone-d5	8.65	63	271535	98.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.58%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	418591	45.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.74%
64) 1,2-Dichlorobenzene-d4	12.20	152	285746	47.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.82%

Target Compounds

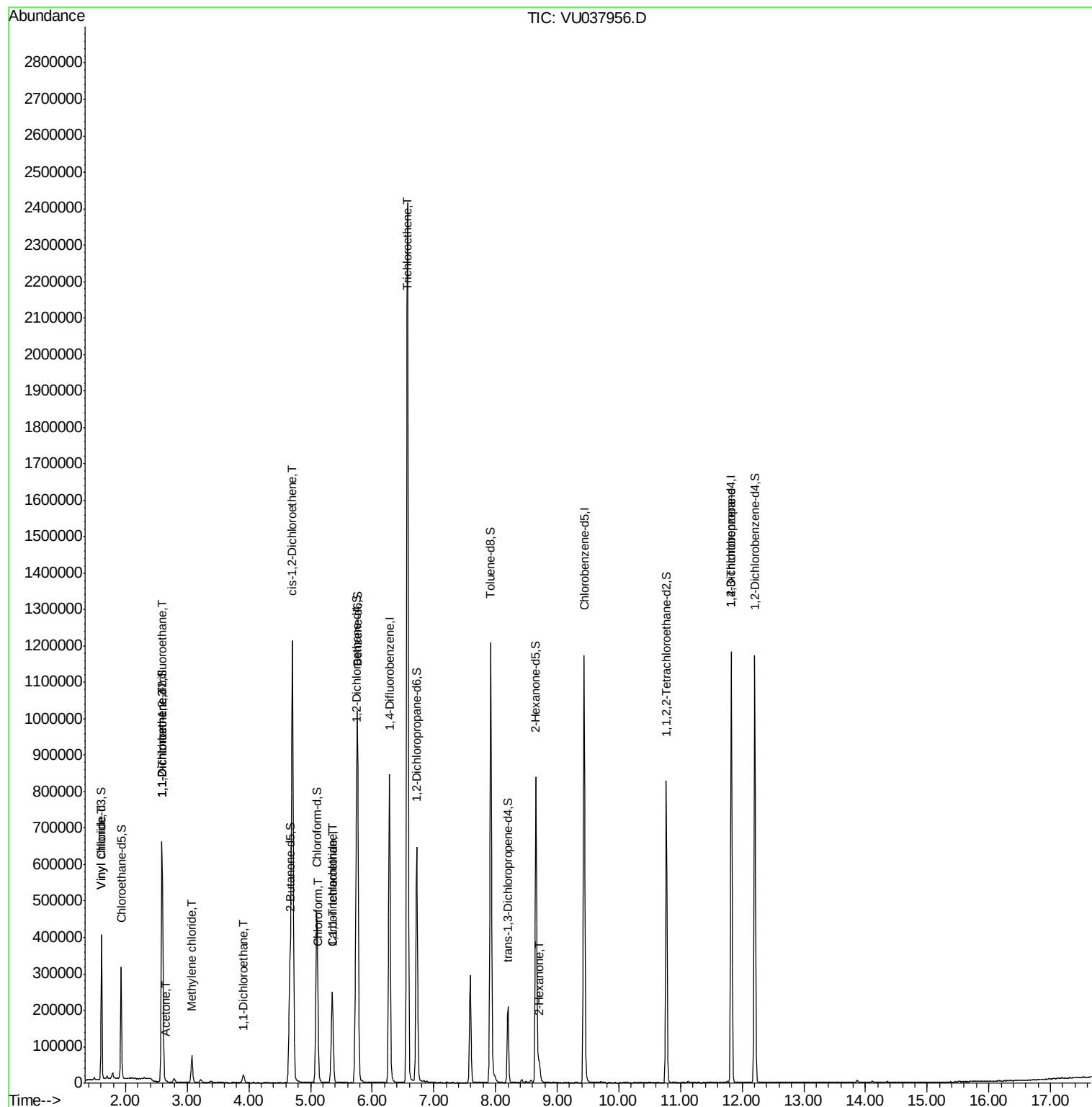
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	7263	1.080	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3264	0.760	ug/L #	26
12) 1,1-Dichloroethene	2.60	96	83255	18.940	ug/L #	60
13) Acetone	2.66	43	4647	1.564	ug/L	91
16) Methylene chloride	3.08	84	34115	6.584	ug/L	97
19) 1,1-Dichloroethane	3.91	63	25017	2.646	ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	597545	113.871	ug/L	98
25) Chloroform	5.13	83	20377	2.245	ug/L	94
30) 1,1,1-Trichloroethane	5.35	97	179480	24.916	ug/L	99
31) Carbon tetrachloride	5.35	117	23689	4.166	ug/L	96
34) Trichloroethene	6.57	95	821578	167.244	ug/L	100
48) 2-Hexanone	8.71	43	37216	5.146	ug/L #	94
59) 1,2,3-Trichloropropane	11.82	75	40184	5.351	ug/L	92

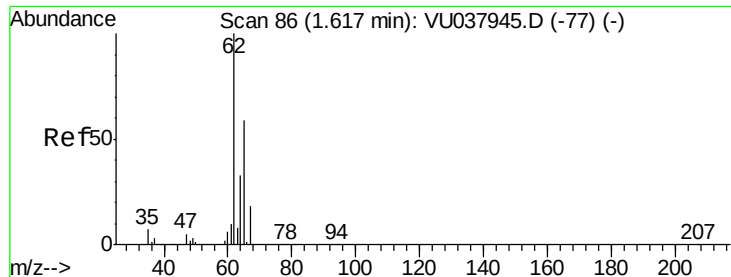
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri May 01 02:16:47 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.080 ug/L

RT: 1.61 min Scan# 85

Delta R.T. -0.00 min

Lab File: VU037956.D

Acq: 30 Apr 2020 16:56

Instrument :

MSVOA_U

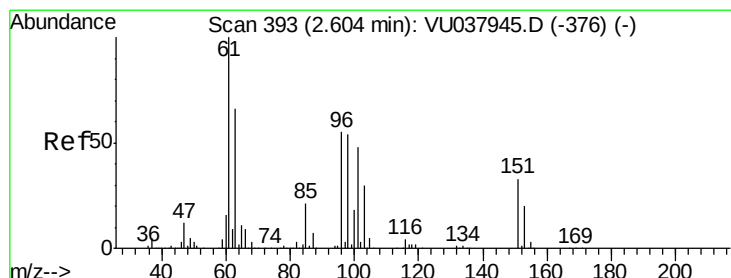
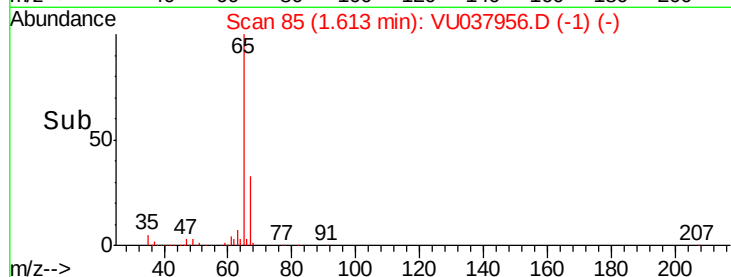
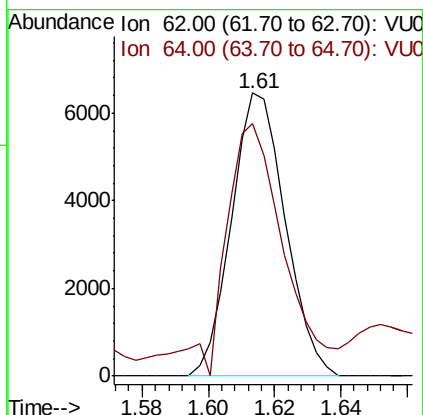
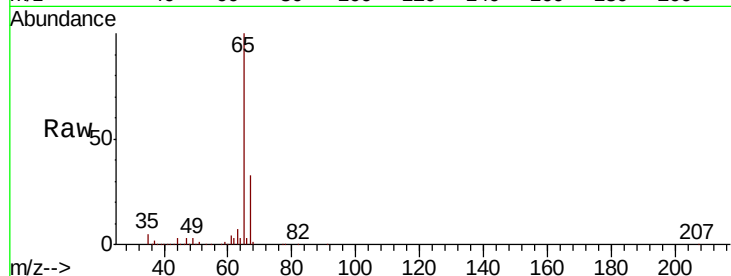
ClientSampleId :

Tot Ion: 62 Resp: 7263

Ion Ratio Lower Upper

62 100

64 89.2 23.2 43.2#



#10

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

Concen: 0.760 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037956.D

Acq: 30 Apr 2020 16:56

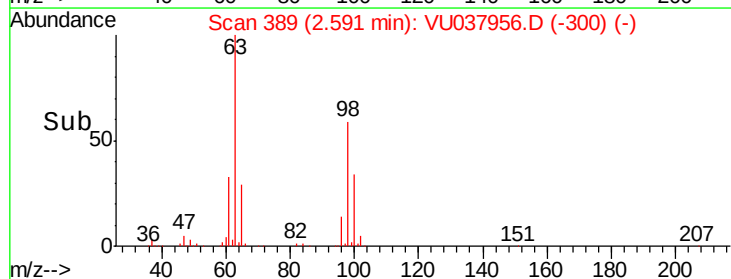
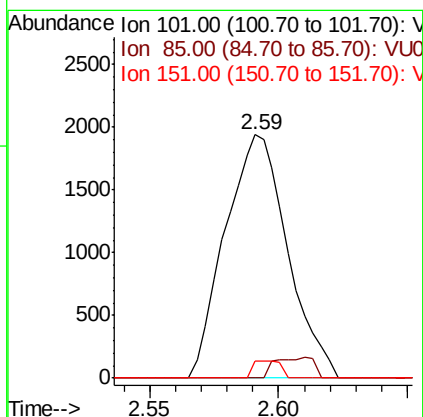
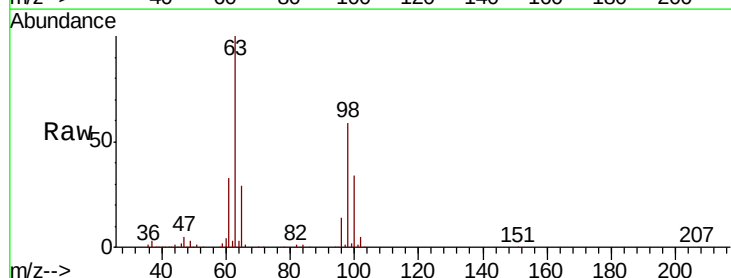
Tgt Ion:101 Resp: 3264

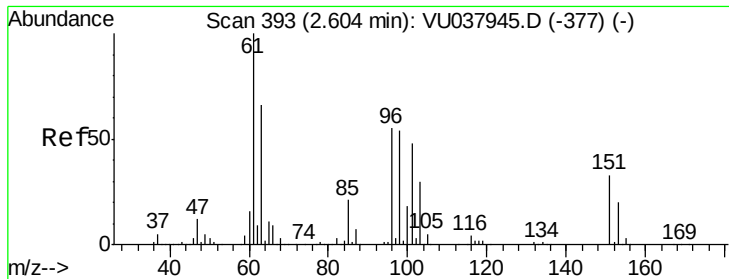
Ion Ratio Lower Upper

101 100

85 2.5 34.7 52.1#

151 2.4 53.4 80.2#

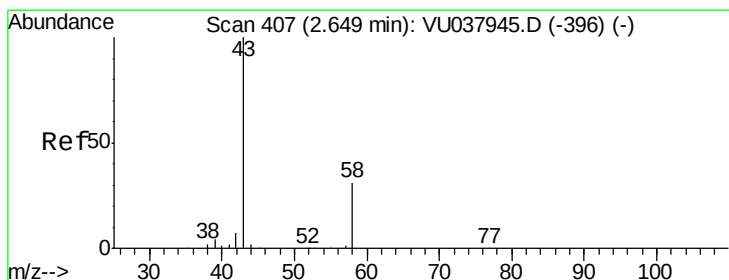
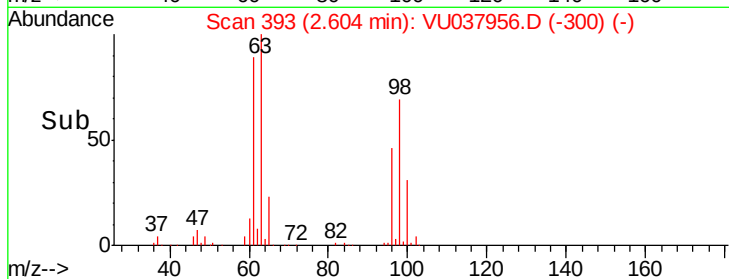
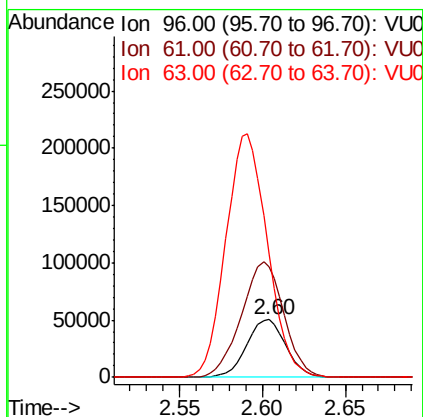
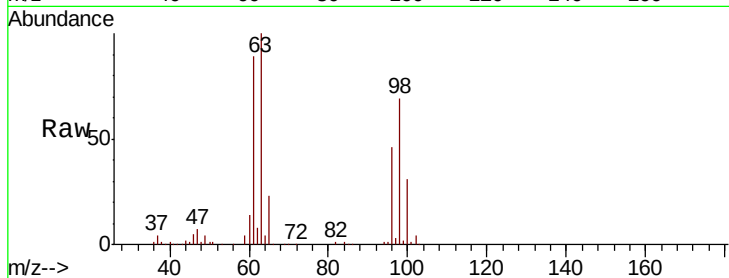




#12
 1,1-Dichloroethene
 Concen: 18.940 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. 0.00 min
 Lab File: VU037956.D
 Acq: 30 Apr 2020 16:56

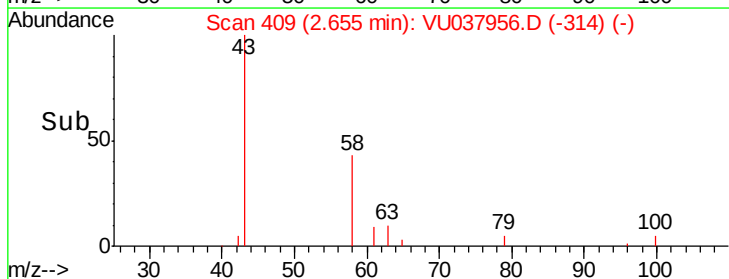
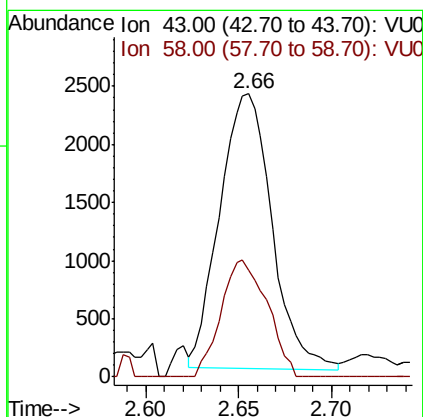
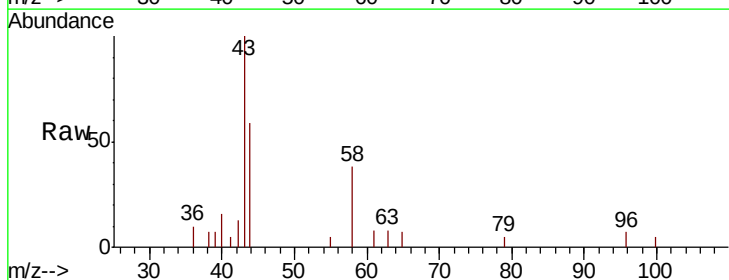
Instrument :
 MSVOA_U
 ClientSampleId :

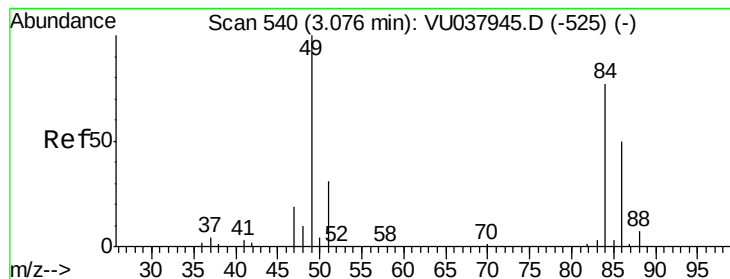
Tot Ion: 96 Resp: 83255
 Ion Ratio Lower Upper
 96 100
 61 192.6 126.1 234.3
 63 215.3 83.4 154.8#



#13
 Acetone
 Concen: 1.564 ug/L
 RT: 2.66 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: VU037956.D
 Acq: 30 Apr 2020 16:56

Tgt Ion: 43 Resp: 4647
 Ion Ratio Lower Upper
 43 100
 58 37.4 0.0 64.4





#16

Methylene chloride

Concen: 6.584 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037956.D

Acq: 30 Apr 2020 16:56

Instrument :

MSVOA_U

ClientSampleId :

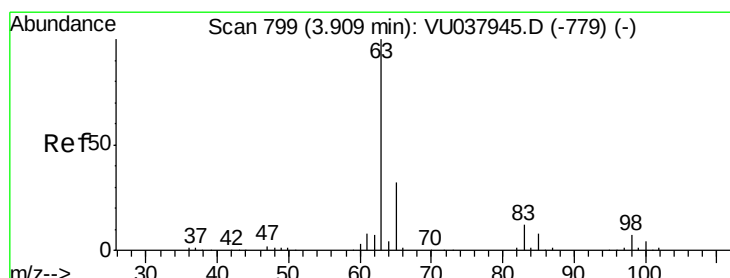
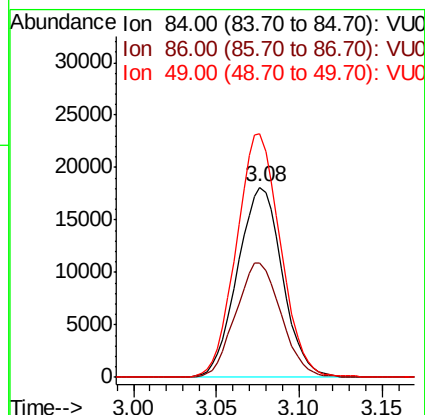
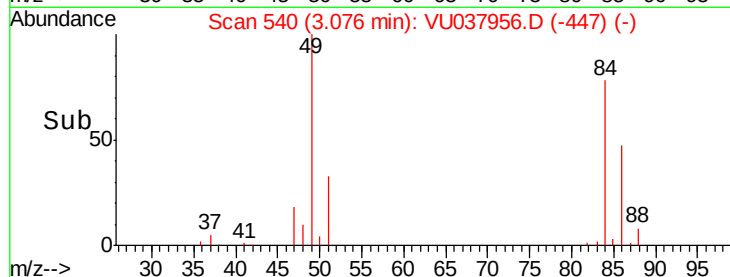
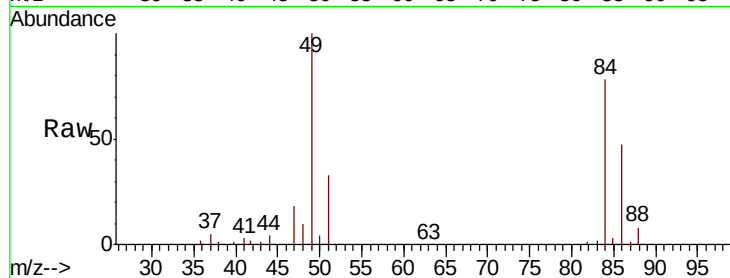
Tot Ion: 84 Resp: 34115

Ion Ratio Lower Upper

84 100

86 60.4 45.1 83.9

49 128.2 91.2 169.4



#19

1,1-Dichloroethane

Concen: 2.646 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU037956.D

Acq: 30 Apr 2020 16:56

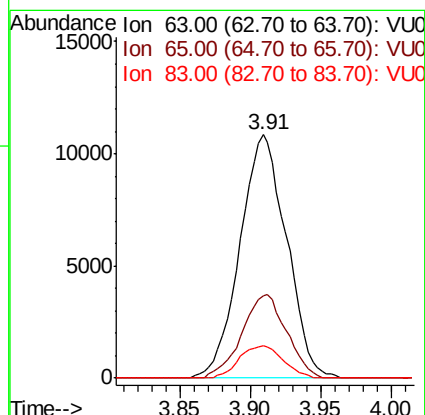
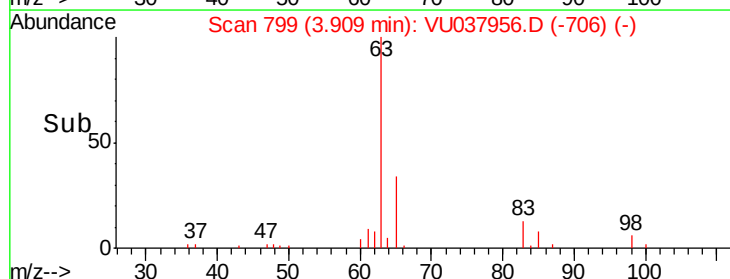
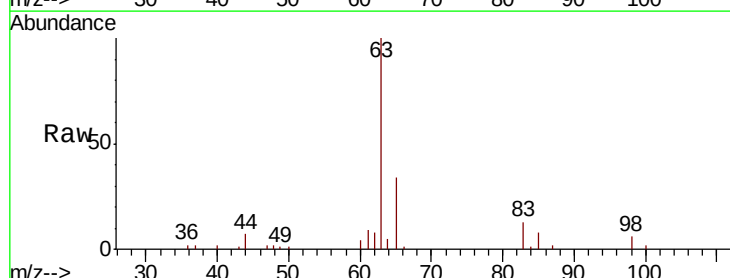
Tgt Ion: 63 Resp: 25017

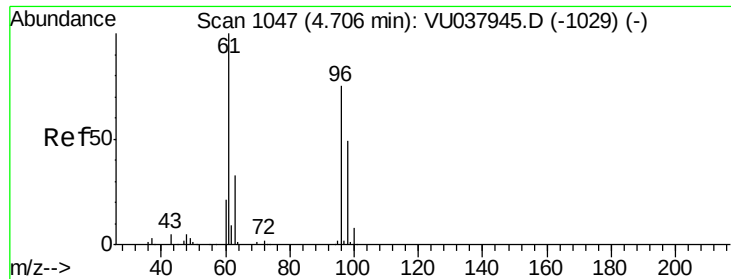
Ion Ratio Lower Upper

63 100

65 33.8 22.5 41.7

83 13.3 8.5 15.7

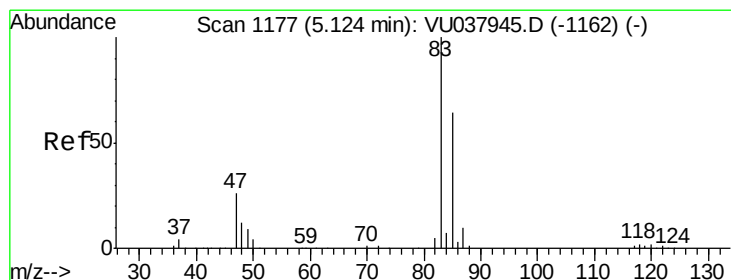
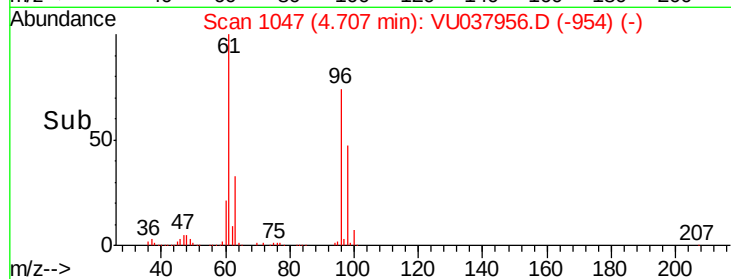
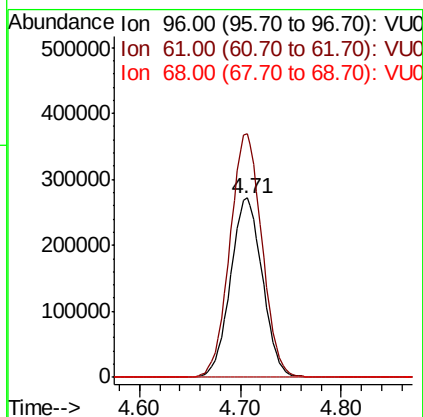
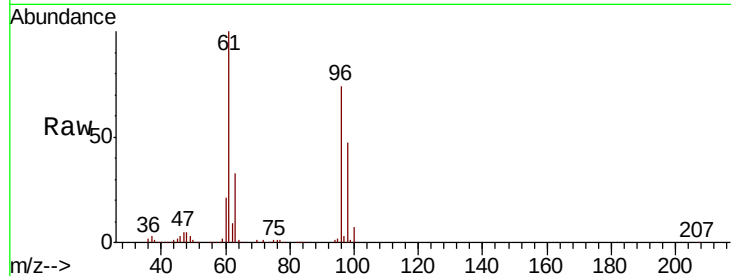




#20
 cis-1,2-Dichloroethene
 Concen: 113.871 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037956.D
 Acq: 30 Apr 2020 16:56

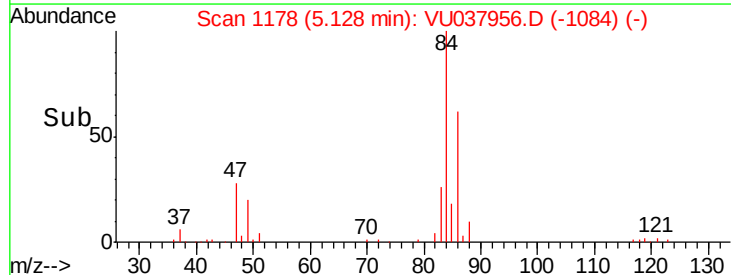
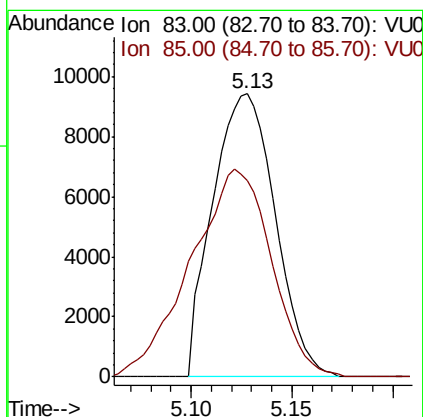
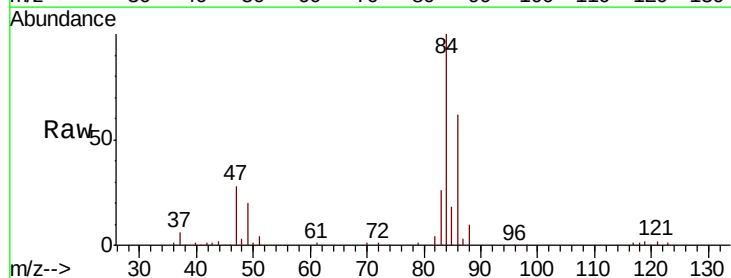
Instrument :
 MSVOA_U
 ClientSampleId :

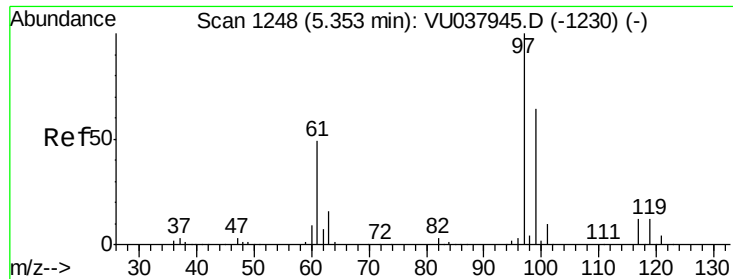
Tot Ion	96	Resp	597545
Ion	Ratio	Lower	Upper
96	100		
61	136.0	93.9	174.3
68	0.0	0.0	0.0



#25
 Chloroform
 Concen: 2.245 ug/L
 RT: 5.13 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VU037956.D
 Acq: 30 Apr 2020 16:56

Tgt Ion	83	Resp	20377
Ion	Ratio	Lower	Upper
83	100		
85	69.3	45.0	83.6

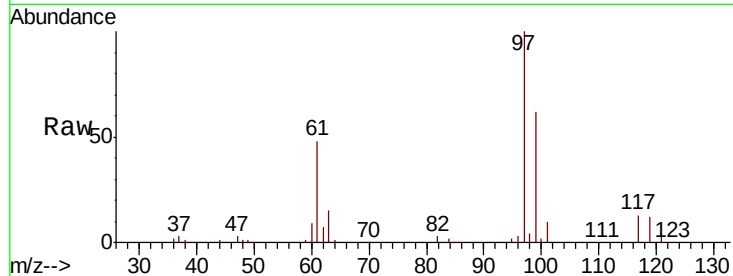




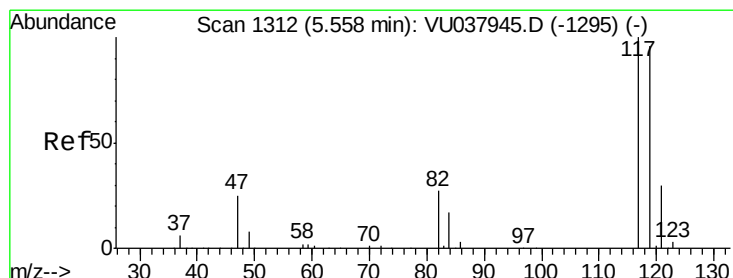
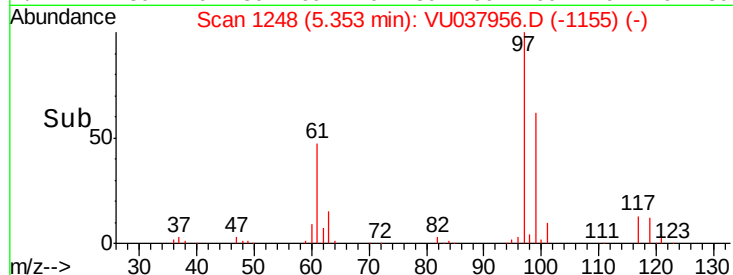
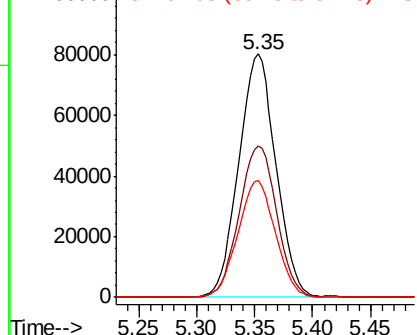
#30
 1,1,1-Trichloroethane
 Concen: 24.916 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU037956.D
 Acq: 30 Apr 2020 16:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 179480
 Ion Ratio Lower Upper
 97 100
 99 62.9 50.5 75.7
 61 47.7 38.8 58.2

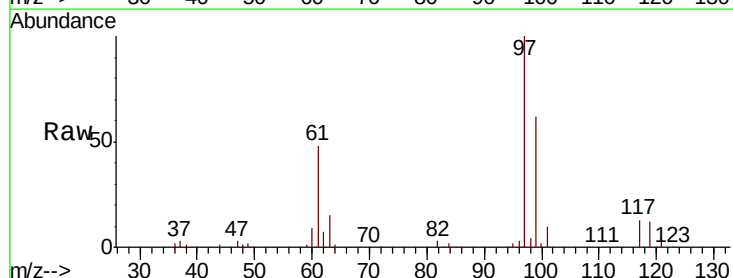


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

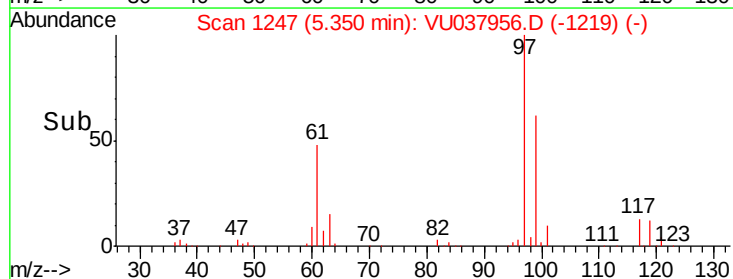
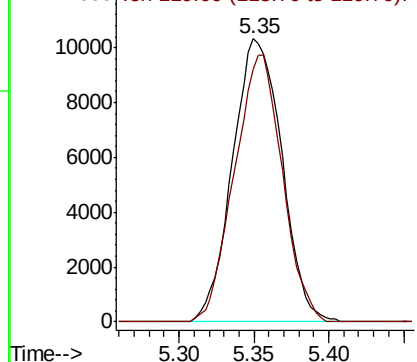


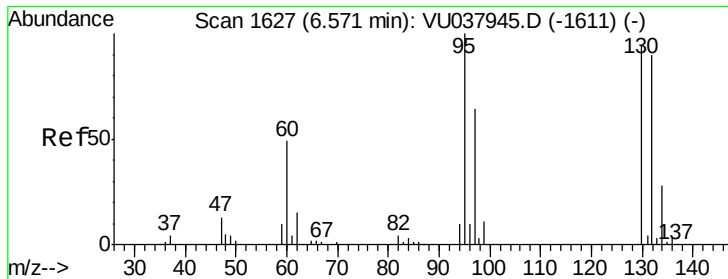
#31
 Carbon tetrachloride
 Concen: 4.166 ug/L
 RT: 5.35 min Scan# 1247
 Delta R.T. -0.21 min
 Lab File: VU037956.D
 Acq: 30 Apr 2020 16:56

Tgt Ion: 117 Resp: 23689
 Ion Ratio Lower Upper
 117 100
 119 91.5 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V

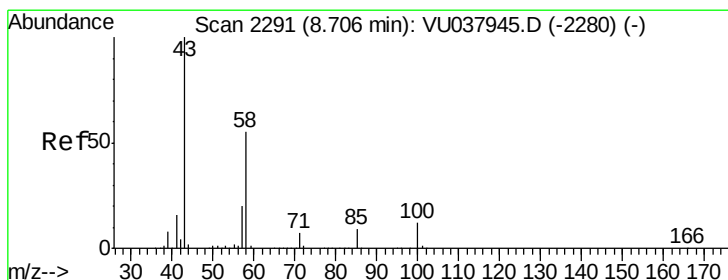
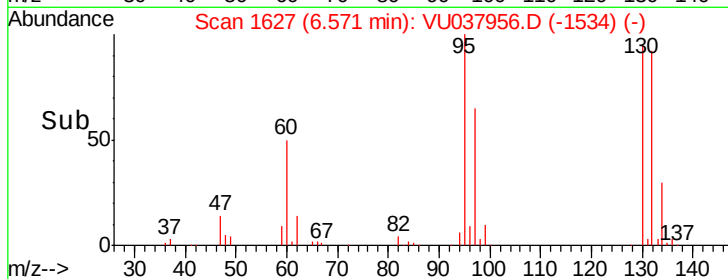
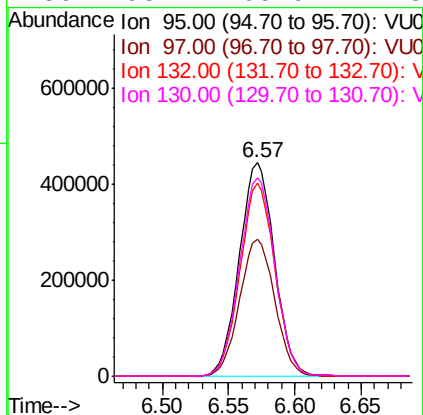
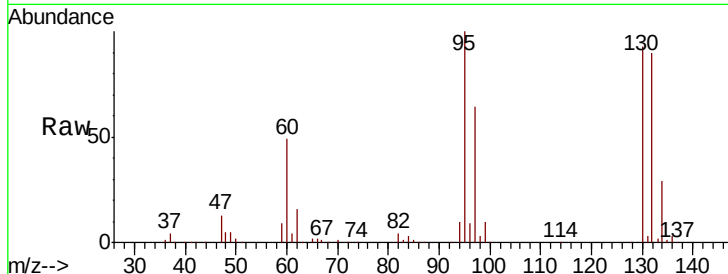




#34
 Trichloroethene
 Concen: 167.244 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037956.D
 Acq: 30 Apr 2020 16:56

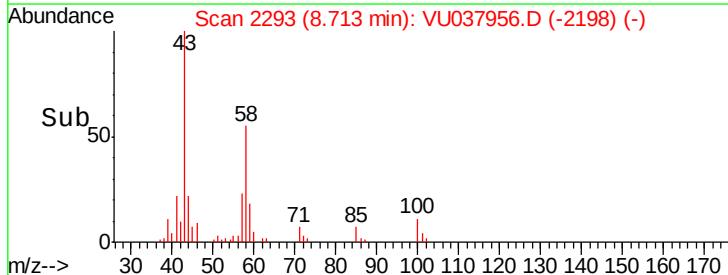
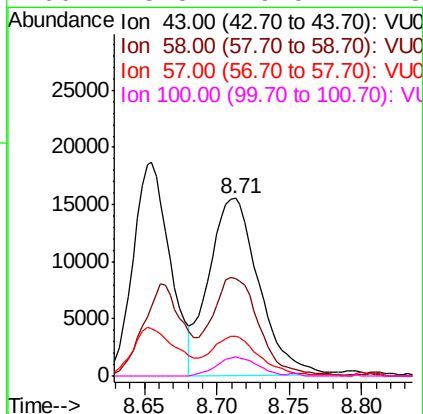
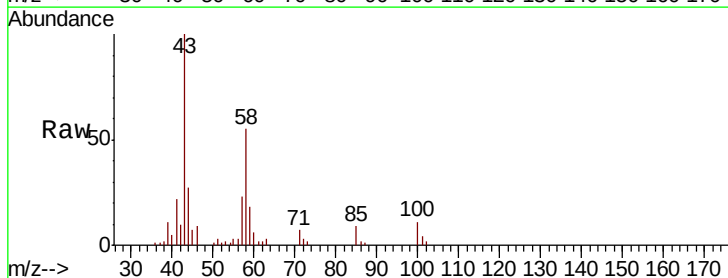
Instrument :
 MSVOA_U
 ClientSampleId :

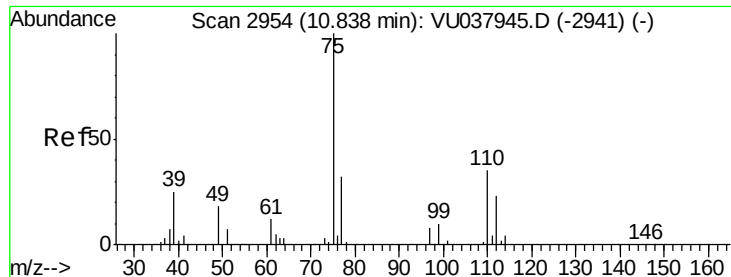
Tot Ion:	95	Resp:	821578
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.9	83.5
132	90.3	63.2	117.4
130	93.1	65.9	122.3



#48
 2-Hexanone
 Concen: 5.146 ug/L
 RT: 8.71 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: VU037956.D
 Acq: 30 Apr 2020 16:56

Tgt Ion:	43	Resp:	37216
Ion	Ratio	Lower	Upper
43	100		
58	52.2	46.4	69.6
57	20.2	16.4	24.6
100	8.8	9.5	14.3#





#59

1,2,3-Trichloropropane

Concen: 5.351 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU037956.D

Acq: 30 Apr 2020 16:56

Instrument :

MSVOA_U

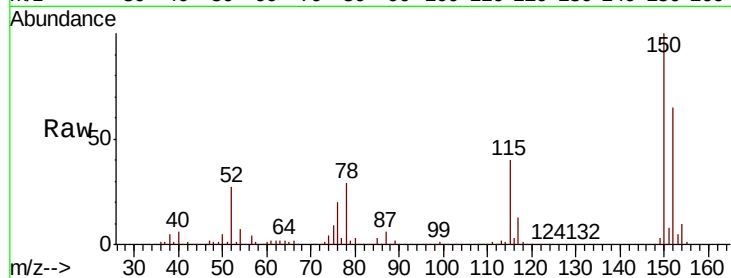
ClientSampleId :

Tot Ion: 75 Resp: 40184

Ion Ratio Lower Upper

75 100

77 36.4 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

