

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\
 Data File : VU037957.D
 Acq On : 30 Apr 2020 17:19
 Operator : JC/MD
 Sample : L2395-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 01 02:20:43 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	656812	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	626130	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	277998	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	267787	46.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.70%
7) Chloroethane-d5	1.93	69	232416	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.92%
11) 1,1-Dichloroethene-d2	2.59	63	366973	38.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.66%
21) 2-Butanone-d5	4.66	46	398934	88.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.35%
24) Chloroform-d	5.10	84	417612	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
26) 1,2-Dichloroethane-d4	5.74	65	301190	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.94%
32) Benzene-d6	5.76	84	914936	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.16%
36) 1,2-Dichloropropane-d6	6.72	67	307373	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.46%
41) Toluene-d8	7.92	98	810226	47.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.72%
43) trans-1,3-Dichloropropene-	8.20	79	108996	37.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.96%
47) 2-Hexanone-d5	8.65	63	260826	98.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.01%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	412176	46.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.50%
64) 1,2-Dichlorobenzene-d4	12.20	152	280993	48.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.68%

Target Compounds

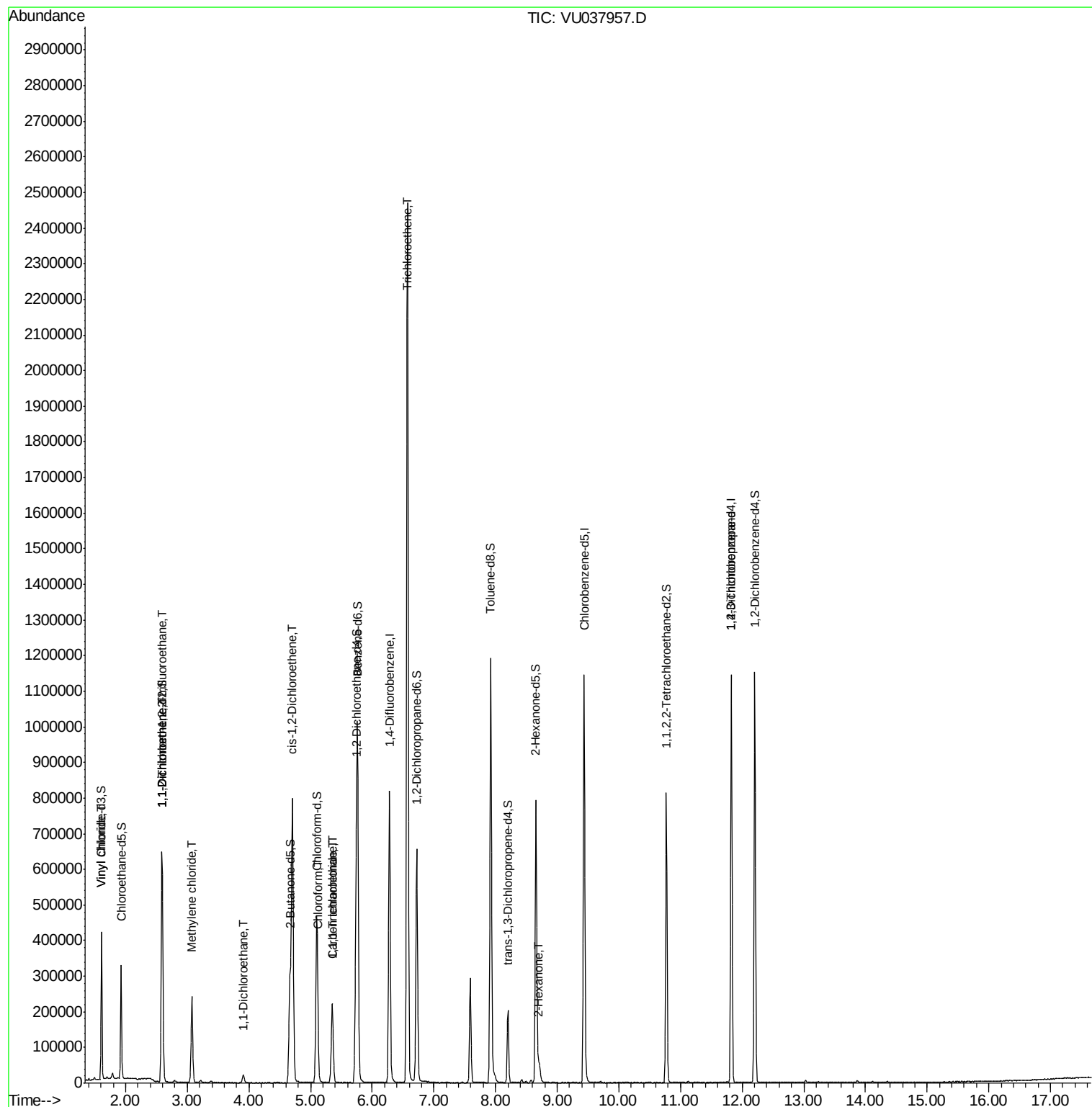
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	7072	1.075	ug/L #	16
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3256	0.775	ug/L #	24
12) 1,1-Dichloroethene	2.60	96	66844	15.539	ug/L #	11
16) Methylene chloride	3.07	84	110565	21.805	ug/L	97
19) 1,1-Dichloroethane	3.91	63	25227	2.727	ug/L	94
20) cis-1,2-Dichloroethene	4.71	96	382836	74.548	ug/L	96
25) Chloroform	5.12	83	19567	2.203	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	159434	22.908	ug/L	99
31) Carbon tetrachloride	5.35	117	19198	3.494	ug/L	98
34) Trichloroethene	6.57	95	841732	177.342	ug/L	99
48) 2-Hexanone	8.71	43	36140	5.172	ug/L	92
59) 1,2,3-Trichloropropane	11.83	75	39342	5.422	ug/L	91

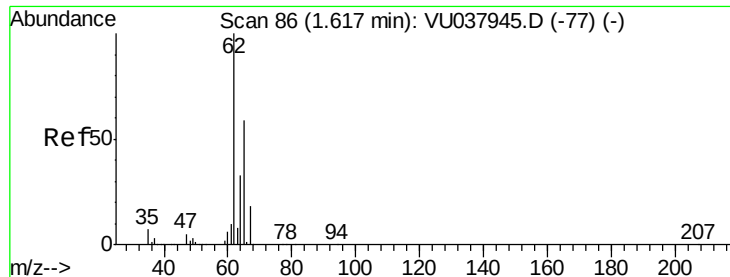
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 1.075 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037957.D

Acq: 30 Apr 2020 17:19

Instrument :

MSVOA_U

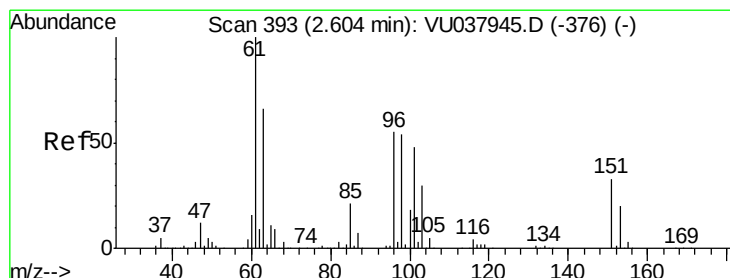
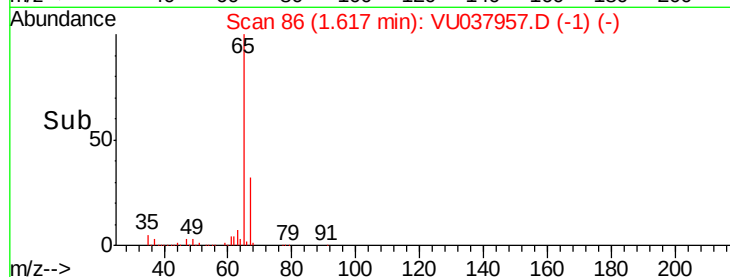
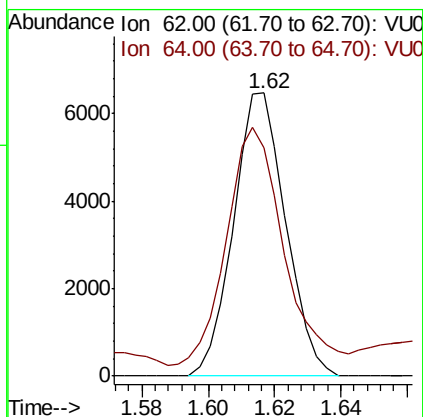
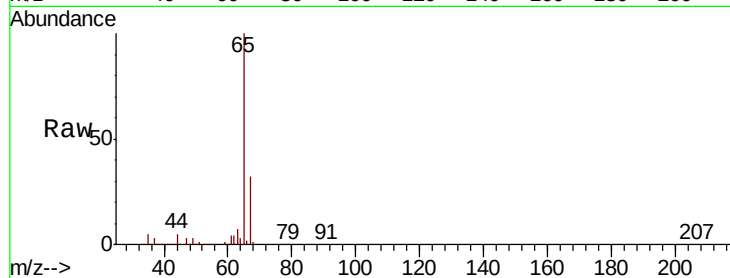
ClientSampleId :

Tot Ion: 62 Resp: 7072

Ion Ratio Lower Upper

62 100

64 80.9 23.2 43.2#



#10

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

Concen: 0.775 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037957.D

Acq: 30 Apr 2020 17:19

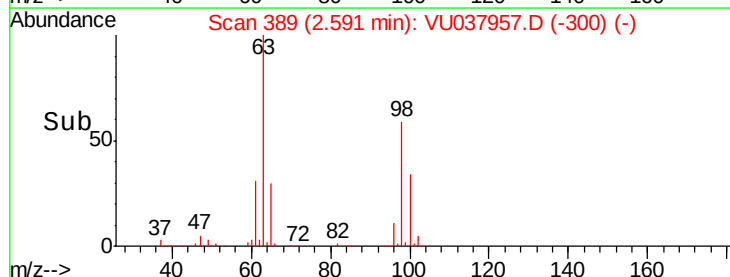
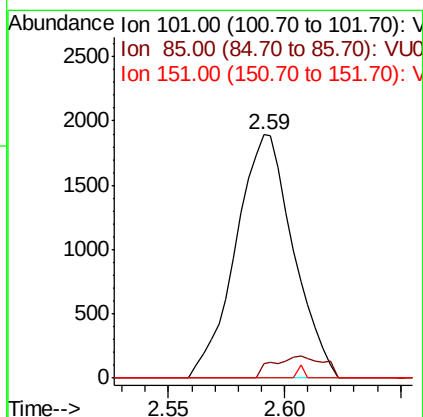
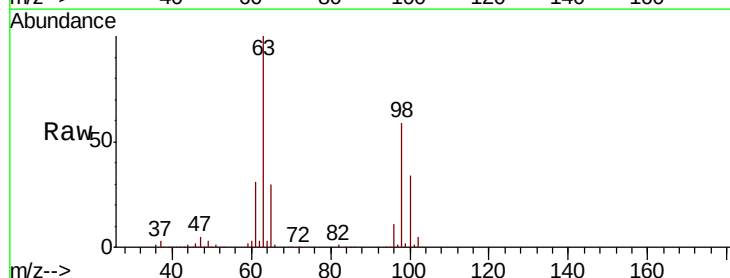
Tgt Ion: 101 Resp: 3256

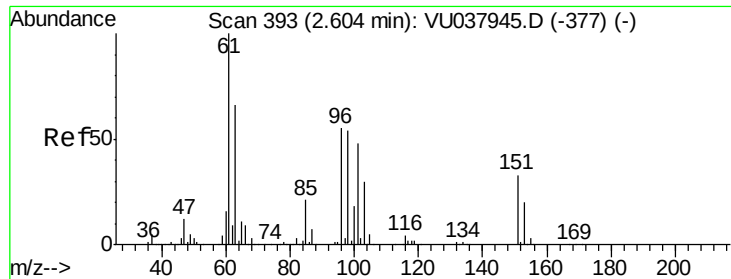
Ion Ratio Lower Upper

101 100

85 2.1 34.7 52.1#

151 0.0 53.4 80.2#

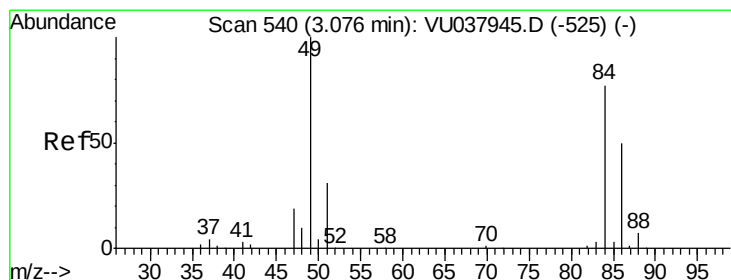
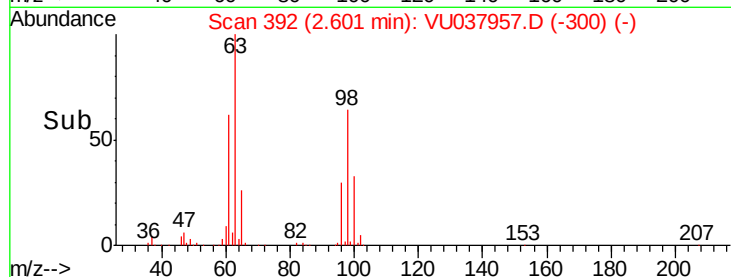
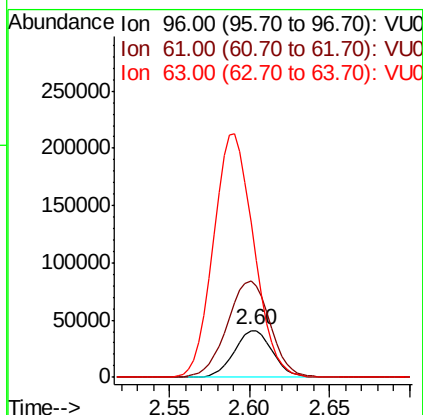
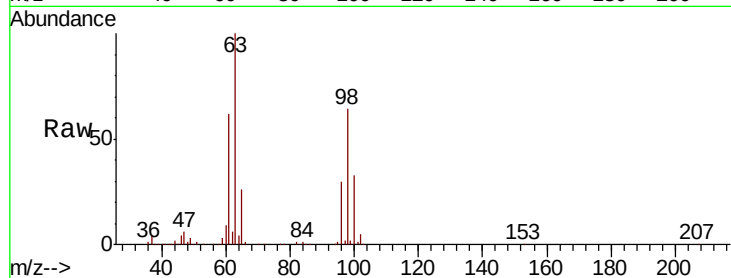




#12
 1,1-Dichloroethene
 Concen: 15.539 ug/L
 RT: 2.60 min Scan# 392
 Delta R.T. -0.00 min
 Lab File: VU037957.D
 Acq: 30 Apr 2020 17:19

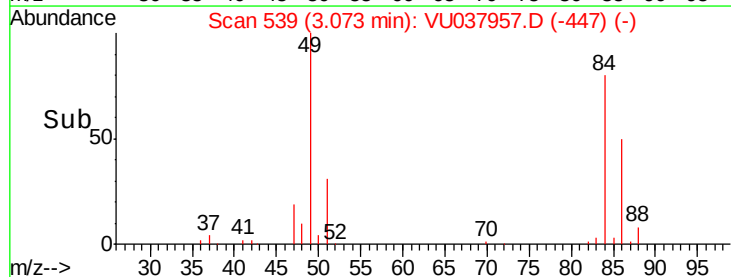
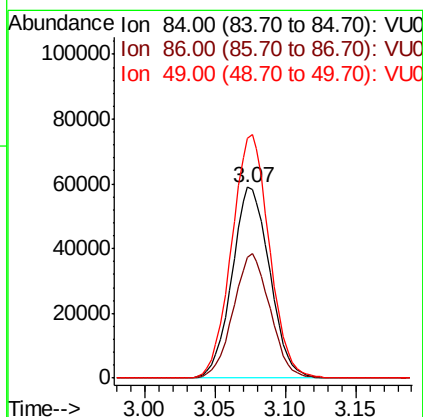
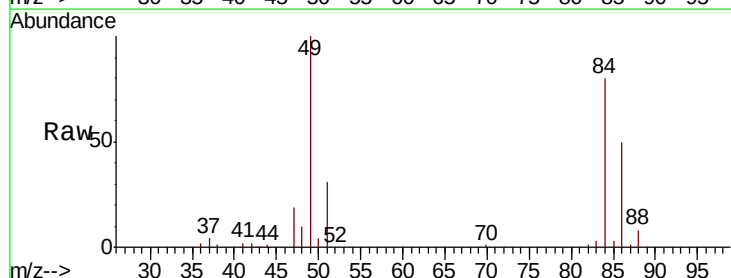
Instrument :
 MSVOA_U
 ClientSampled :

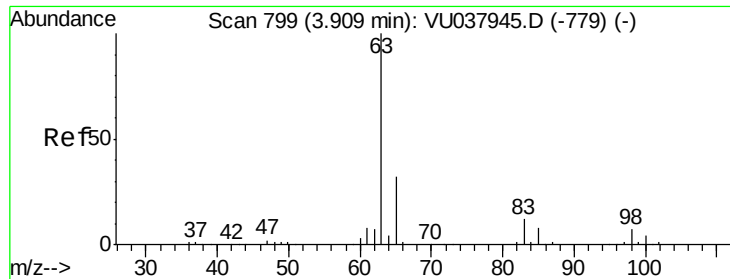
Tot Ion: 96 Resp: 66844
 Ion Ratio Lower Upper
 96 100
 61 206.5 126.1 234.3
 63 334.4 83.4 154.8#



#16
 Methylene chloride
 Concen: 21.805 ug/L
 RT: 3.07 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: VU037957.D
 Acq: 30 Apr 2020 17:19

Tgt Ion: 84 Resp: 110565
 Ion Ratio Lower Upper
 84 100
 86 63.4 45.1 83.9
 49 125.7 91.2 169.4

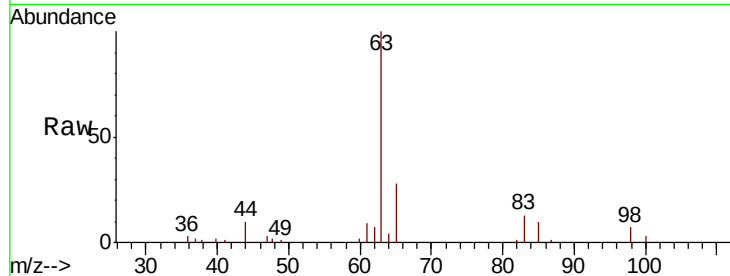




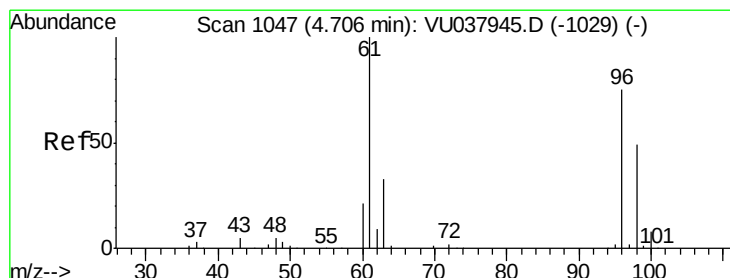
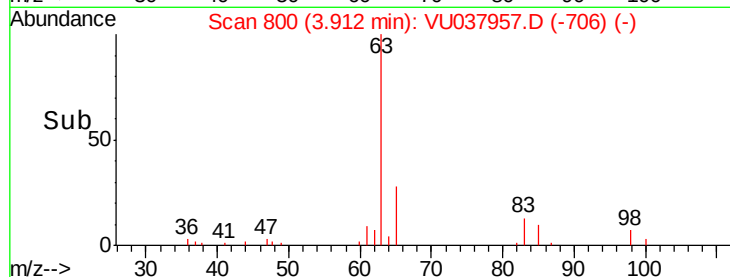
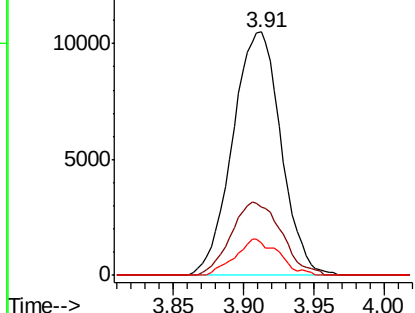
#19
 1,1-Dichloroethane
 Concen: 2.727 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037957.D
 Acq: 30 Apr 2020 17:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 25227
 Ion Ratio Lower Upper
 63 100
 65 28.0 22.5 41.7
 83 13.2 8.5 15.7

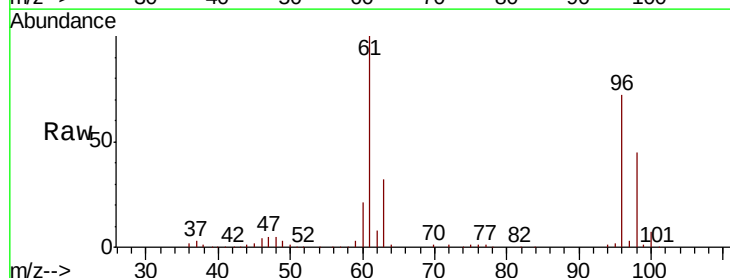


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

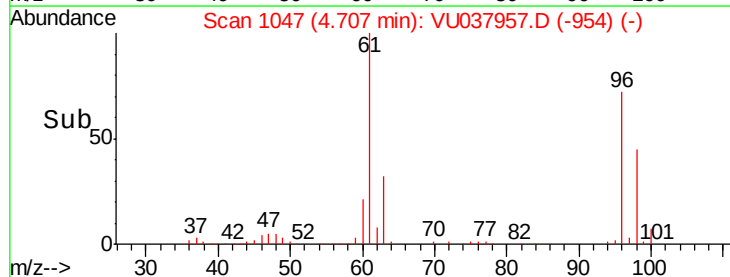
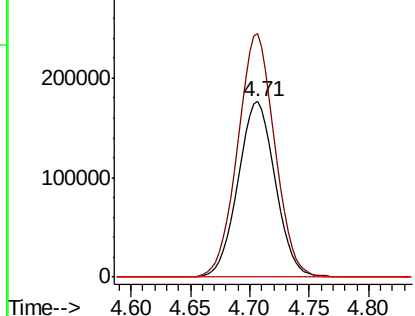


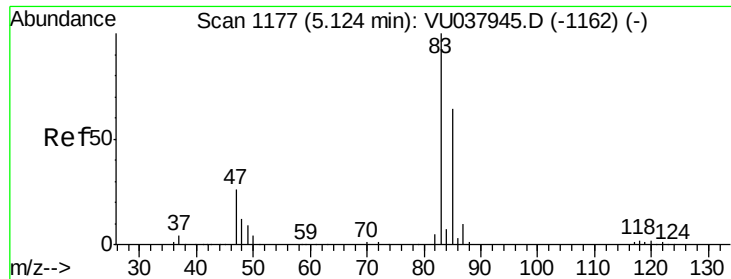
#20
 cis-1,2-Dichloroethene
 Concen: 74.548 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037957.D
 Acq: 30 Apr 2020 17:19

Tgt Ion: 96 Resp: 382836
 Ion Ratio Lower Upper
 96 100
 61 138.9 93.9 174.3
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

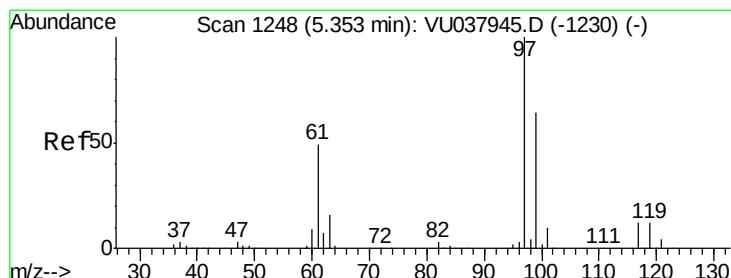
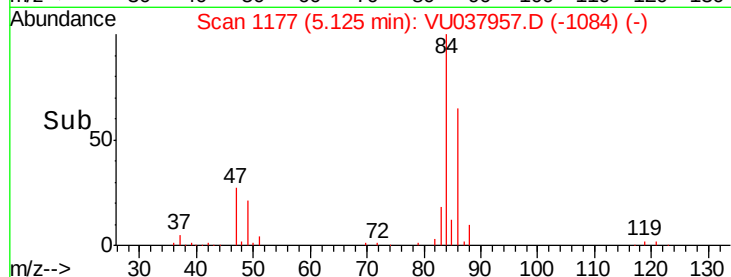
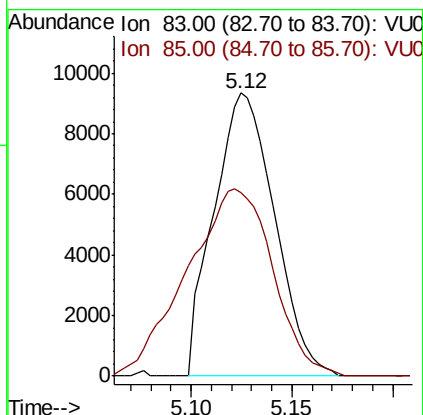
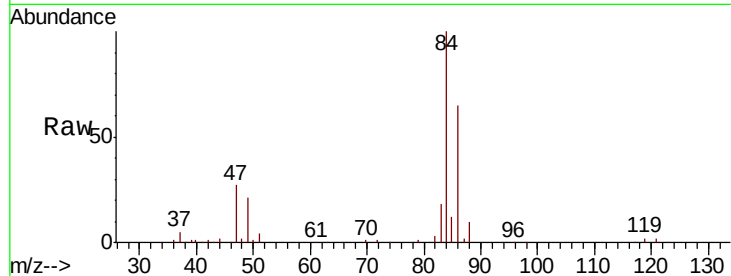




#25
Chloroform
Concen: 2.203 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU037957.D
Acq: 30 Apr 2020 17:19

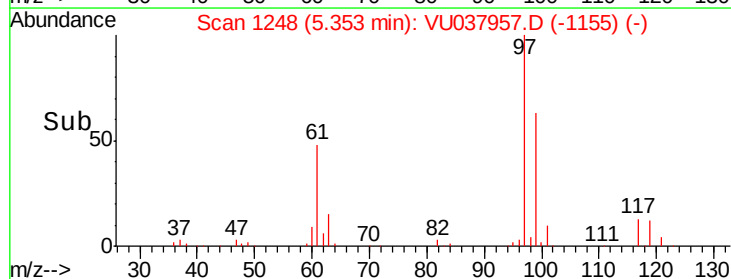
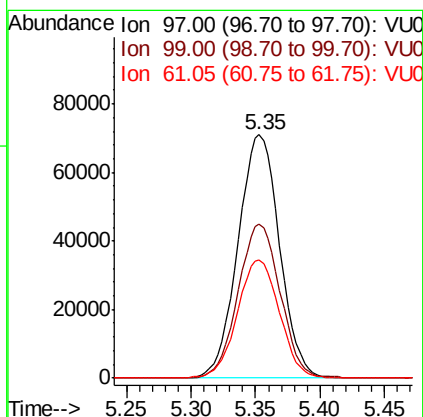
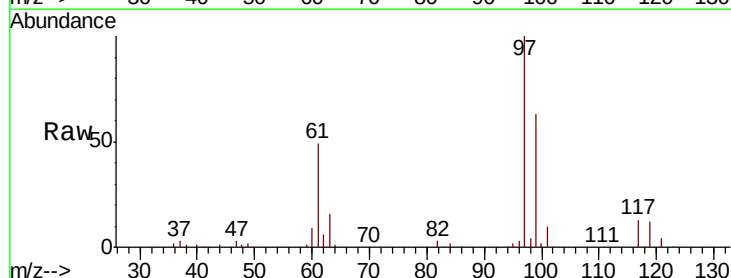
Instrument :
MSVOA_U
ClientSampled :

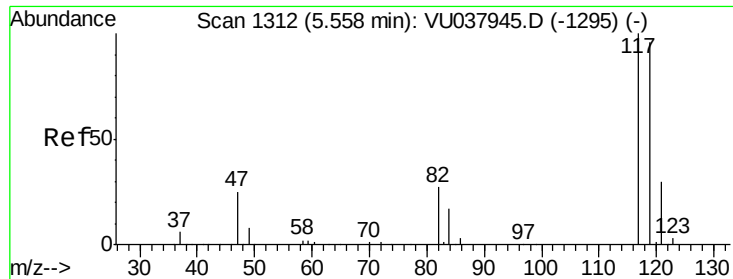
Tot Ion: 83 Resp: 19567
Ion Ratio Lower Upper
83 100
85 64.8 45.0 83.6



#30
1,1,1-Trichloroethane
Concen: 22.908 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037957.D
Acq: 30 Apr 2020 17:19

Tgt Ion: 97 Resp: 159434
Ion Ratio Lower Upper
97 100
99 63.9 50.5 75.7
61 49.3 38.8 58.2

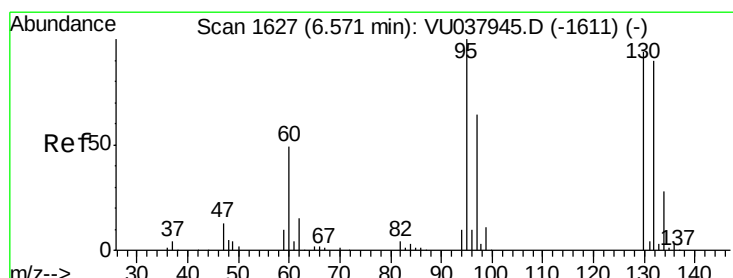
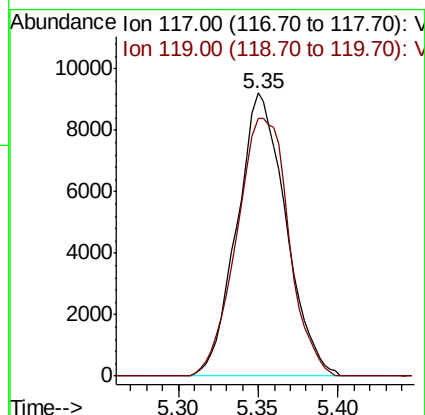
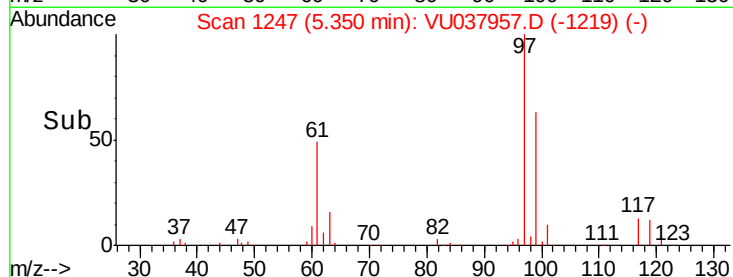
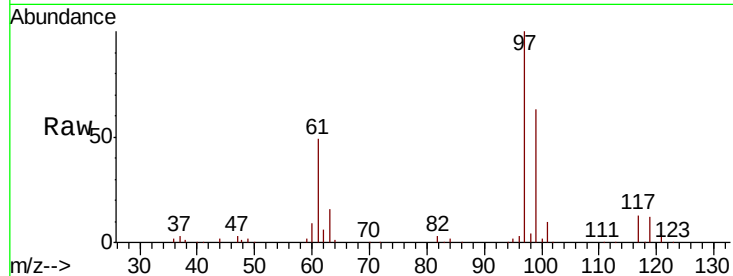




#31
Carbon tetrachloride
Concen: 3.494 ug/L
RT: 5.35 min Scan# 1247
Delta R.T. -0.21 min
Lab File: VU037957.D
Acq: 30 Apr 2020 17:19

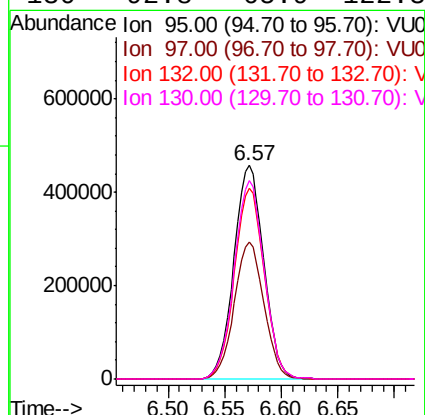
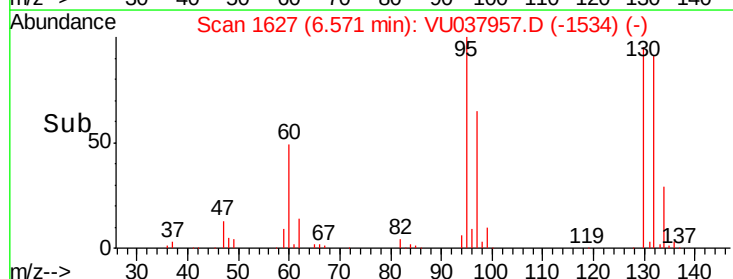
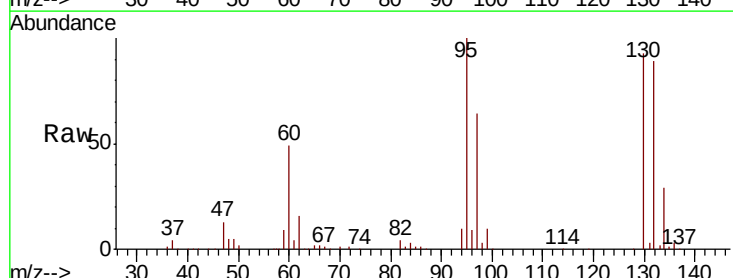
Instrument :
MSVOA_U
ClientSampled :

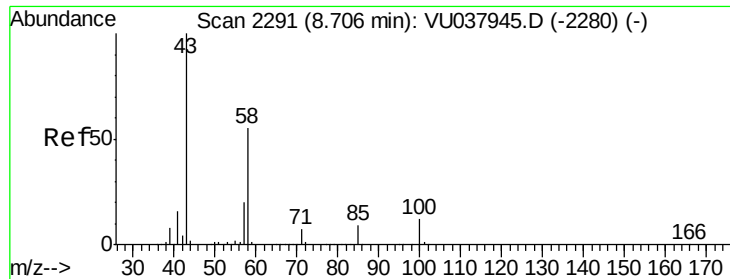
Tot Ion:117 Resp: 19198
Ion Ratio Lower Upper
117 100
119 97.4 76.7 115.1



#34
Trichloroethene
Concen: 177.342 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU037957.D
Acq: 30 Apr 2020 17:19

Tgt Ion: 95 Resp: 841732
Ion Ratio Lower Upper
95 100
97 64.0 44.9 83.5
132 89.3 63.2 117.4
130 92.8 65.9 122.3

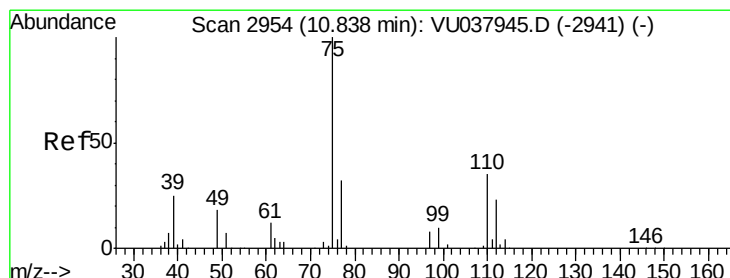
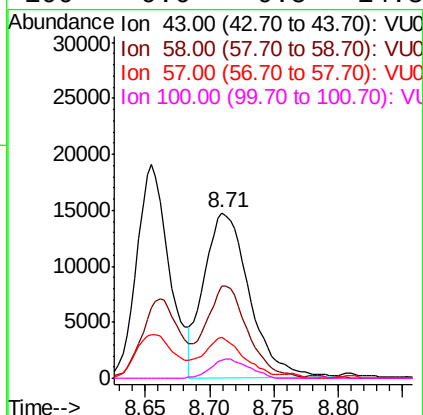
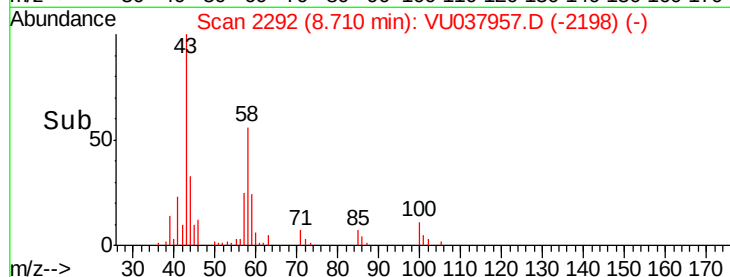
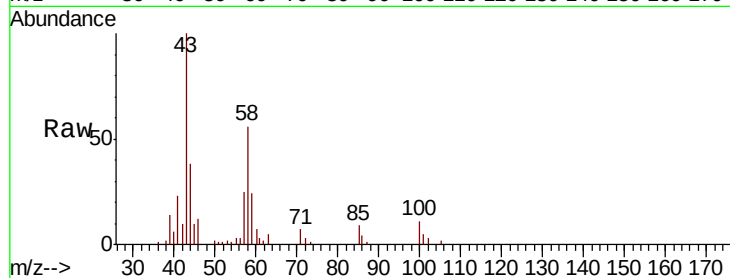




#48
 2-Hexanone
 Concen: 5.172 ug/L
 RT: 8.71 min Scan# 2292
 Delta R.T. 0.00 min
 Lab File: VU037957.D
 Acq: 30 Apr 2020 17:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 43 Resp: 36140
 Ion Ratio Lower Upper
 43 100
 58 50.8 46.4 69.6
 57 17.8 16.4 24.6
 100 9.6 9.5 14.3



#59
 1,2,3-Trichloropropane
 Concen: 5.422 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.99 min
 Lab File: VU037957.D
 Acq: 30 Apr 2020 17:19

Tgt Ion: 75 Resp: 39342
 Ion Ratio Lower Upper
 75 100
 77 36.5 25.4 38.2

