

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030320\
 Data File : VU037024.D
 Acq On : 03 Mar 2020 15:23
 Operator : JC/MD
 Sample : L1746-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 04 06:55:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 04 06:53:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	265165	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	250891	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	90823	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	103991	46.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.40%
7) Chloroethane-d5	1.93	69	96129	52.17	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.34%
11) 1,1-Dichloroethene-d2	2.59	63	131823	35.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.70%
21) 2-Butanone-d5	4.67	46	151528	101.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.45%
24) Chloroform-d	5.11	84	169283	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
26) 1,2-Dichloroethane-d4	5.74	65	117454	51.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.08%
32) Benzene-d6	5.76	84	367198	50.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.22%
36) 1,2-Dichloropropane-d6	6.72	67	119189	50.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.42%
41) Toluene-d8	7.92	98	323998	48.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.28%
43) trans-1,3-Dichloropropene-	8.20	79	48480	44.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.76%
47) 2-Hexanone-d5	8.66	63	106015	92.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.24%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	162571	49.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.12%
64) 1,2-Dichlorobenzene-d4	12.21	152	94469	53.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.42%

Target Compounds

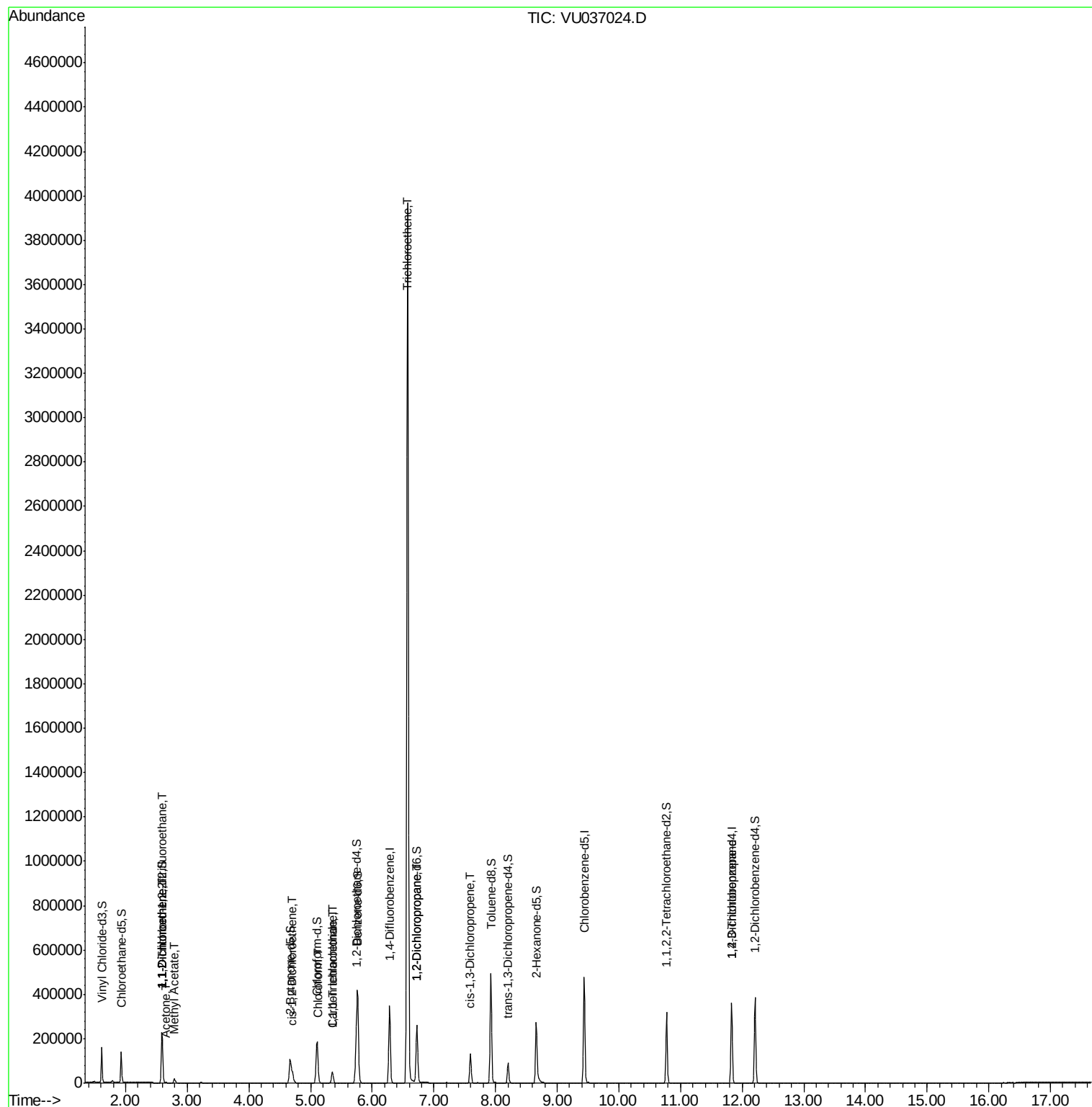
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3874	2.288	ug/L #	68
12) 1,1-Dichloroethene	2.60	96	3332	1.945	ug/L #	1
13) Acetone	2.66	43	3442	2.240	ug/L	93
15) Methyl Acetate	2.79	43	5281	2.255	ug/L #	52
20) cis-1,2-Dichloroethene	4.71	96	19593	9.524	ug/L	96
25) Chloroform	5.13	83	3841	1.114	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	34551	12.845	ug/L	99
31) Carbon tetrachloride	5.35	117	4896	2.322	ug/L	95
34) Trichloroethene	6.57	95	1336533	686.074	ug/L	99
37) 1,2-Dichloropropane	6.72	63	13212	6.191	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3121	0.949	ug/L #	78
59) 1,2,3-Trichloropropane	11.83	75	13546	4.934	ug/L	94

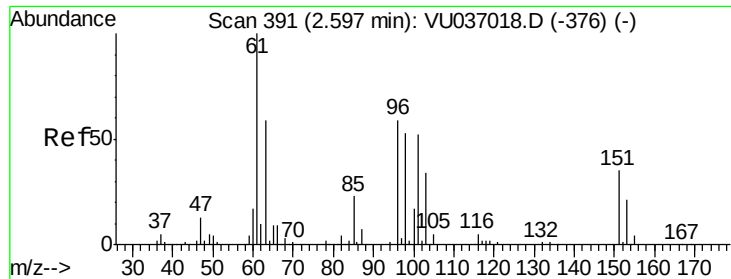
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
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QLast Update : Wed Mar 04 06:53:13 2020
Response via : Initial Calibration





#10

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

Concen: 2.288 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.01 min

Lab File: VU037024.D

Acq: 03 Mar 2020 15:23

Instrument :

MSVOA_U

ClientSampled :

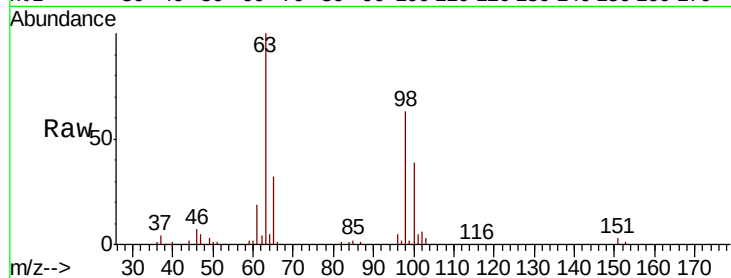
Tot Ion:101 Resp: 3874

Ion Ratio Lower Upper

101 100

85 15.3 36.4 54.6#

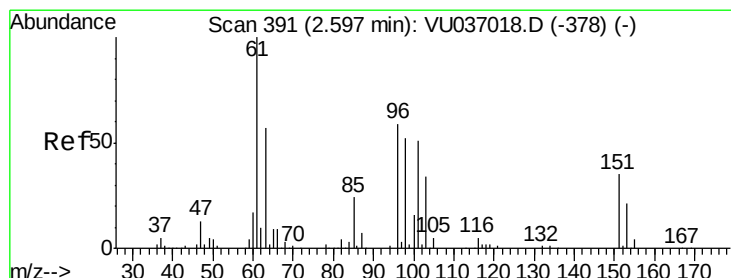
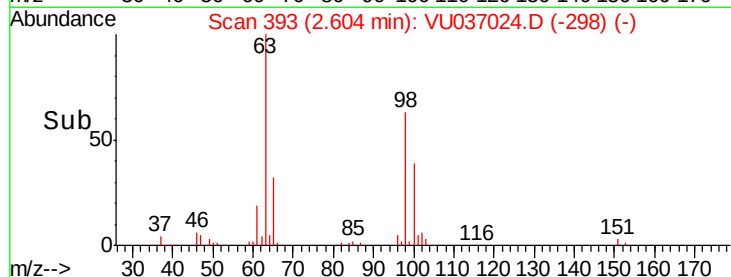
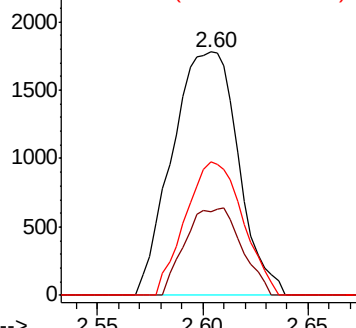
151 47.5 52.4 78.6#



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: 1.945 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU037024.D

Acq: 03 Mar 2020 15:23

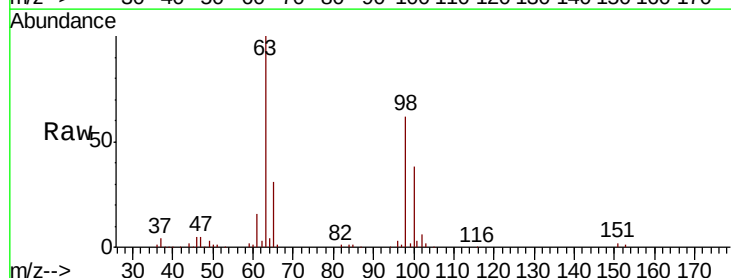
Tgt Ion: 96 Resp: 3332

Ion Ratio Lower Upper

96 100

61 481.0 127.5 236.7#

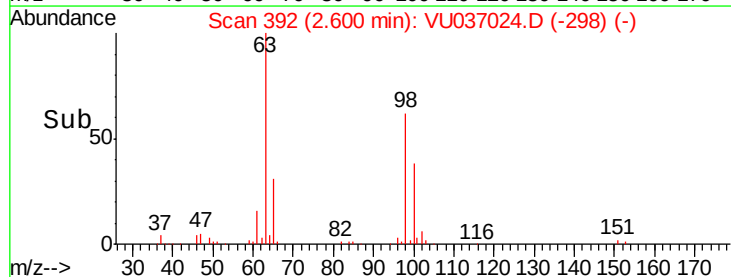
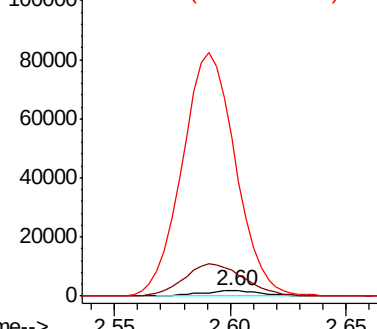
63 2956.3 101.4 188.2#

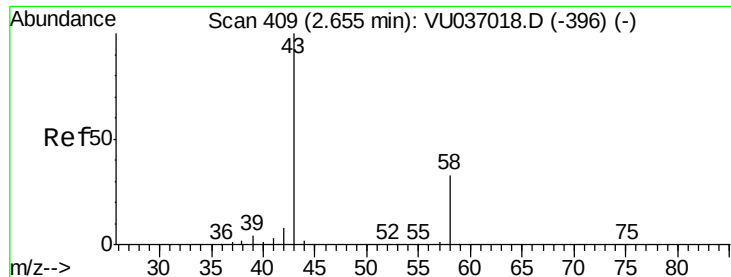


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.240 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037024.D

Acq: 03 Mar 2020 15:23

Instrument :

MSVOA_U

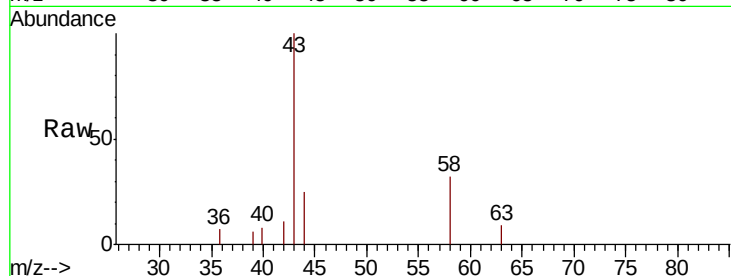
ClientSampleId :

Tot Ion: 43 Resp: 3442

Ion Ratio Lower Upper

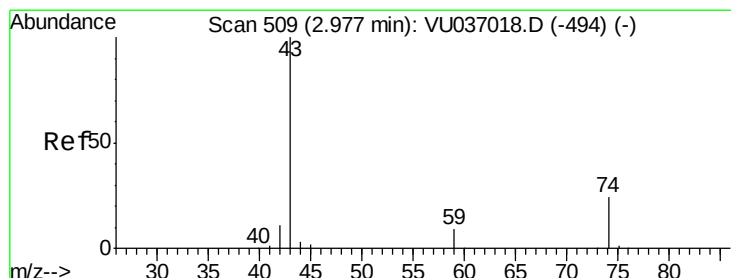
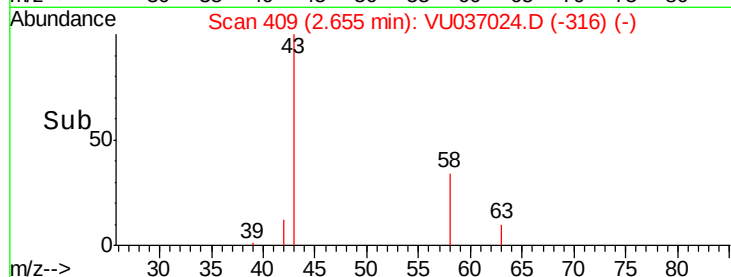
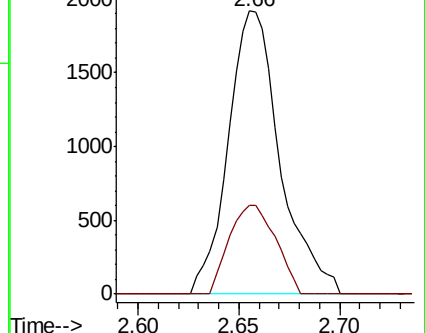
43 100

58 28.4 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037018.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037018.D (-396) (-)



#15

Methyl Acetate

Concen: 2.255 ug/L

RT: 2.79 min Scan# 451

Delta R.T. -0.19 min

Lab File: VU037024.D

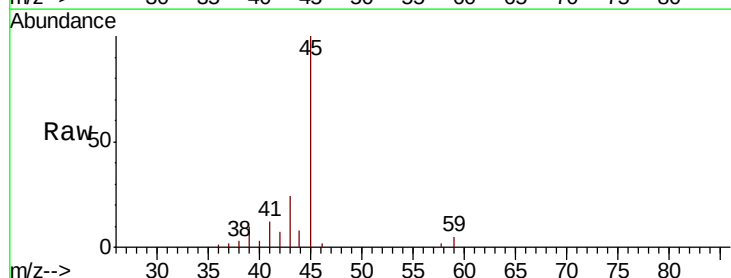
Acq: 03 Mar 2020 15:23

Tgt Ion: 43 Resp: 5281

Ion Ratio Lower Upper

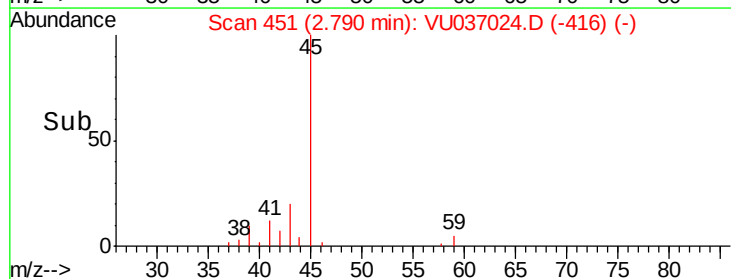
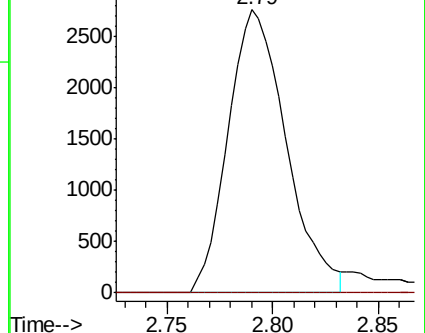
43 100

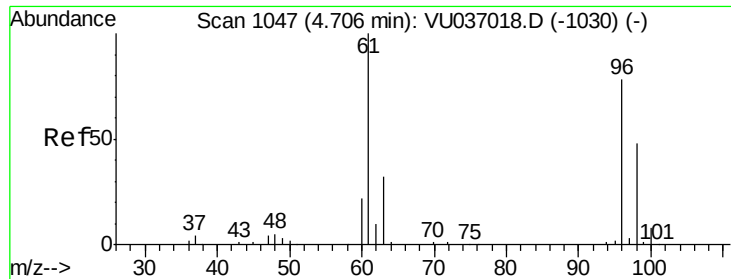
74 0.0 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VU037018.D (-494) (-)

Ion 74.00 (73.70 to 74.70): VU037018.D (-494) (-)

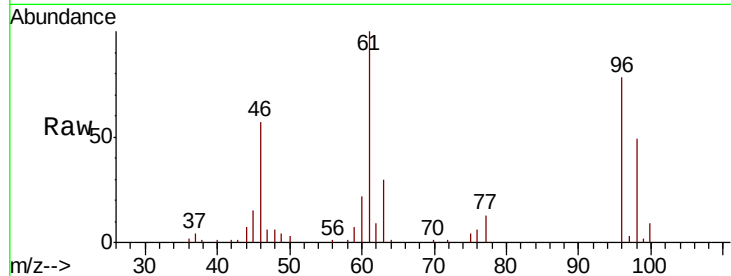




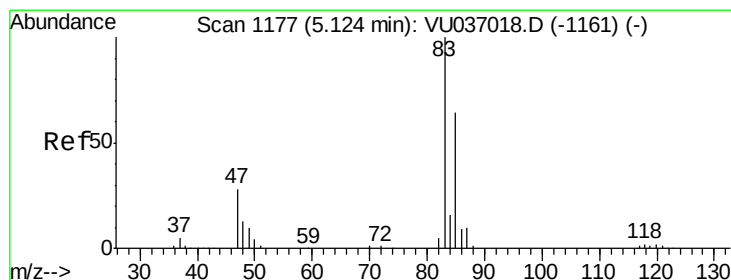
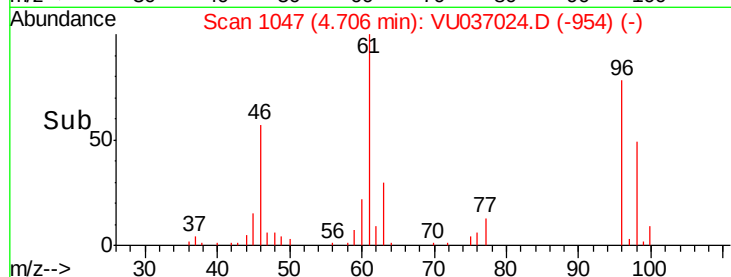
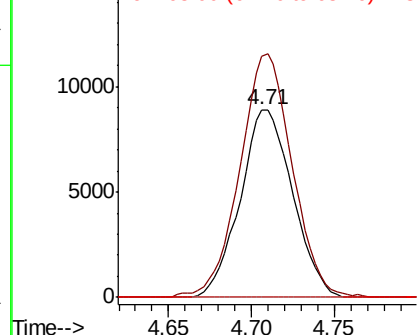
#20
 cis-1,2-Dichloroethene
 Concen: 9.524 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037024.D
 Acq: 03 Mar 2020 15:23

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 19593
 Ion Ratio Lower Upper
 96 100
 61 128.4 93.1 172.9
 68 0.0 0.0 0.0

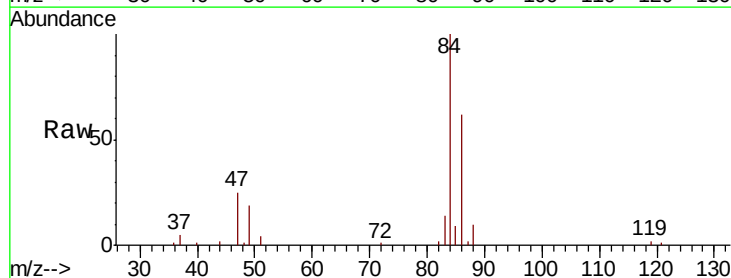


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

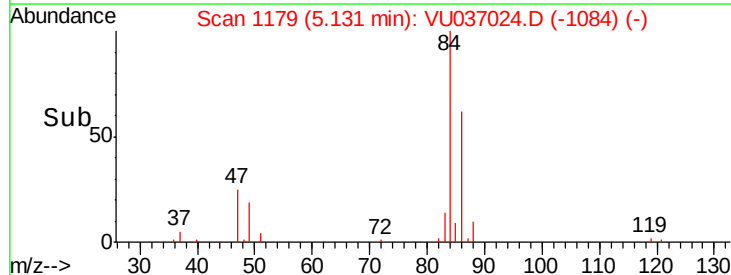
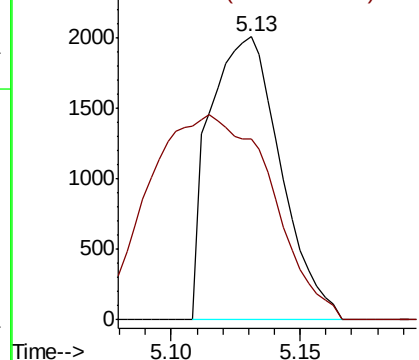


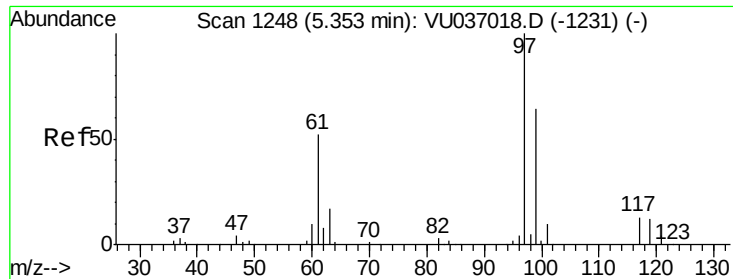
#25
 Chloroform
 Concen: 1.114 ug/L
 RT: 5.13 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VU037024.D
 Acq: 03 Mar 2020 15:23

Tgt Ion: 83 Resp: 3841
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

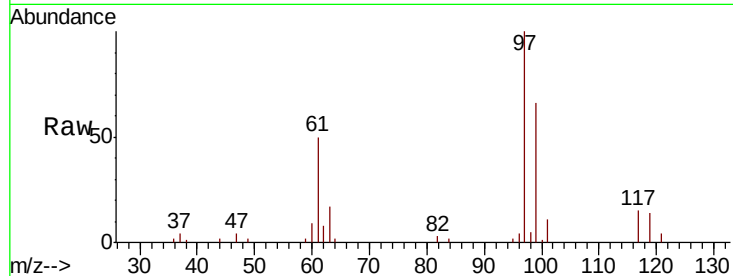




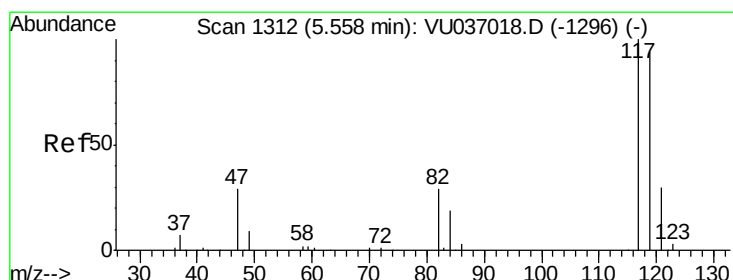
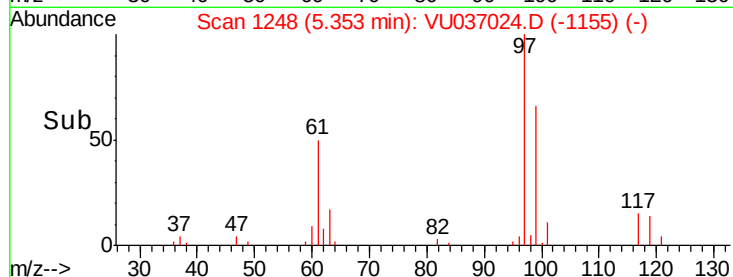
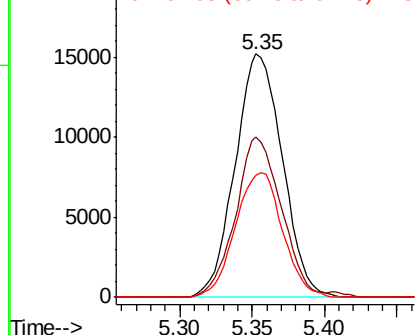
#30
 1,1,1-Trichloroethane
 Concen: 12.845 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU037024.D
 Acq: 03 Mar 2020 15:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 34551
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.4 75.6
 61 51.2 40.3 60.5

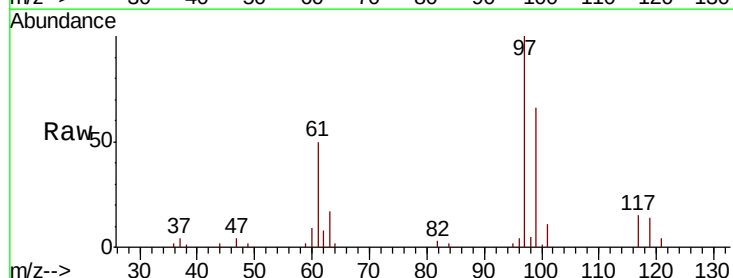


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

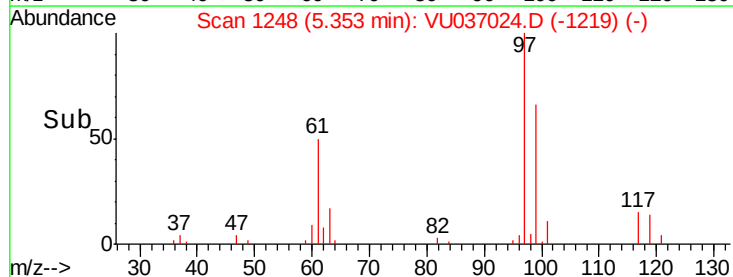
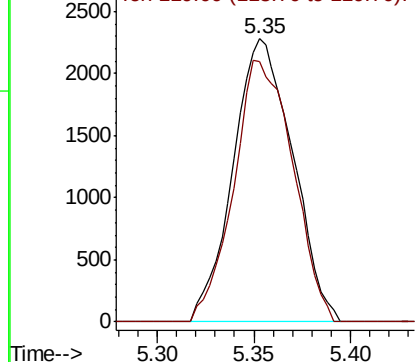


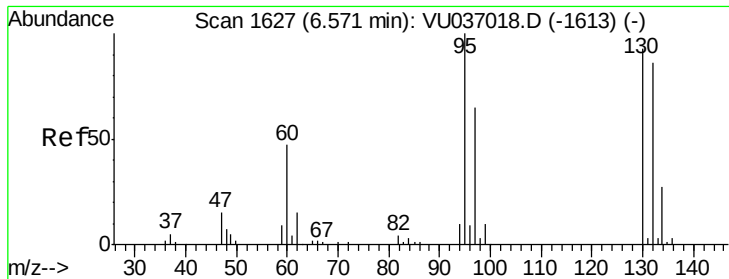
#31
 Carbon tetrachloride
 Concen: 2.322 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.21 min
 Lab File: VU037024.D
 Acq: 03 Mar 2020 15:23

Tgt Ion: 117 Resp: 4896
 Ion Ratio Lower Upper
 117 100
 119 91.7 77.2 115.8



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

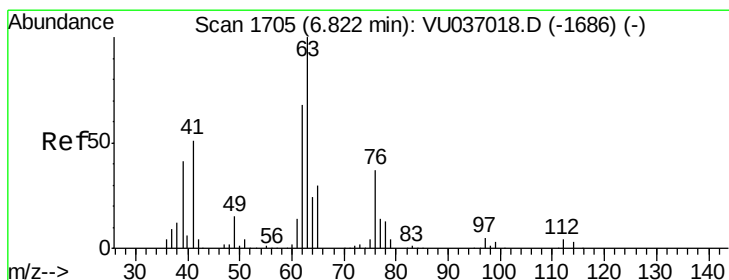
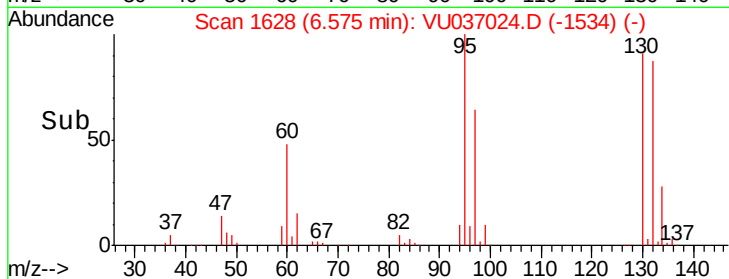
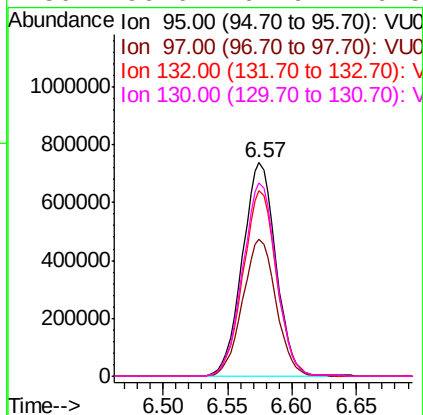
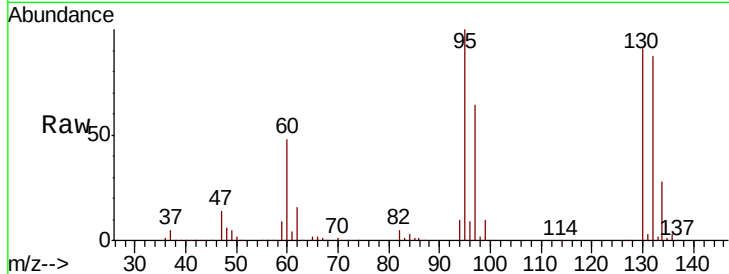




#34
 Trichloroethene
 Concen: 686.074 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037024.D
 Acq: 03 Mar 2020 15:23

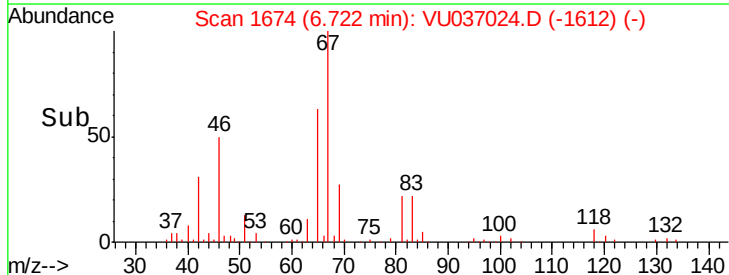
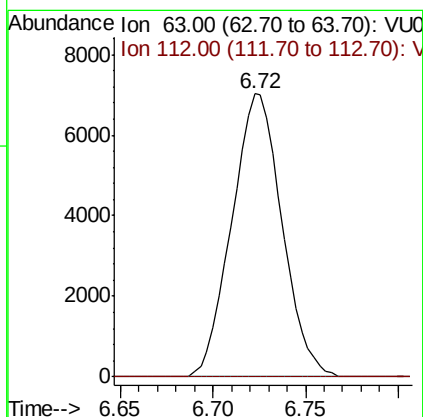
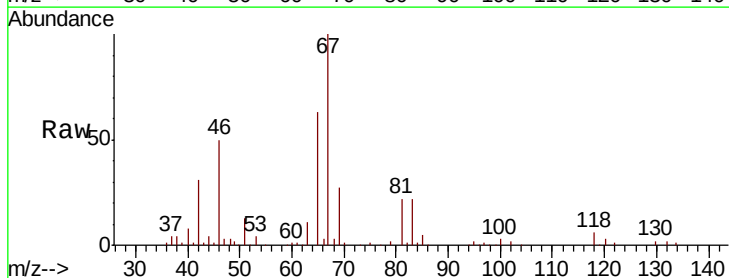
Instrument :
 MSVOA_U
 ClientSampleId :

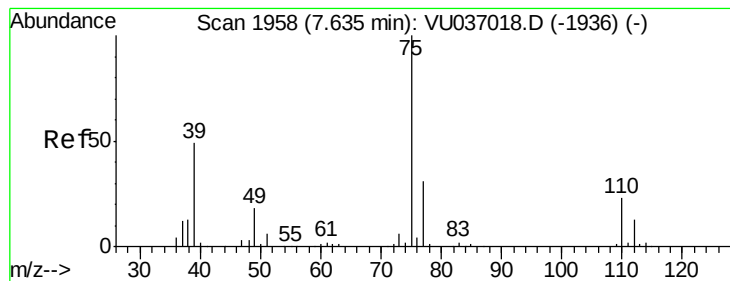
Tot Ion: 95 Resp: 1336533
 Ion Ratio Lower Upper
 95 100
 97 64.2 44.1 81.9
 132 86.6 60.6 112.6
 130 90.6 64.9 120.5



#37
 1,2-Dichloropropane
 Concen: 6.191 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037024.D
 Acq: 03 Mar 2020 15:23

Tgt Ion: 63 Resp: 13212
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



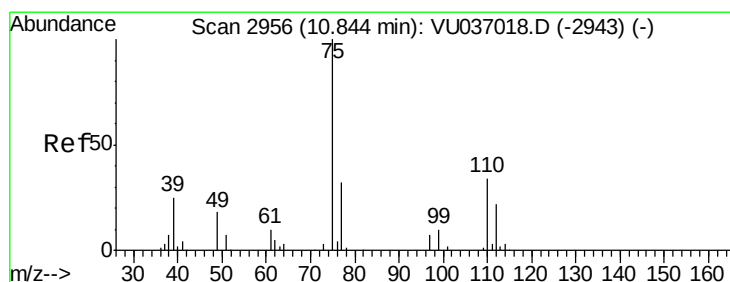
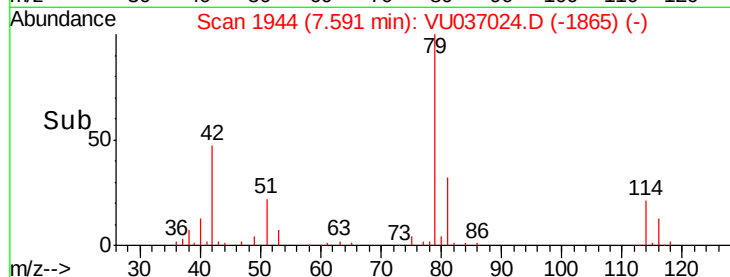
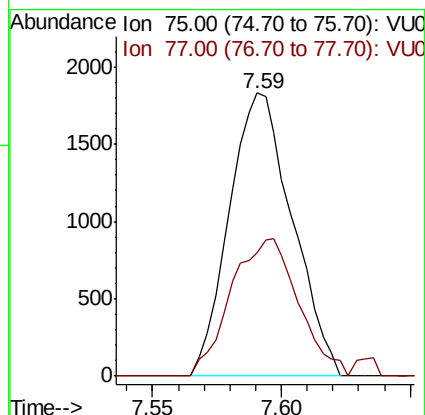
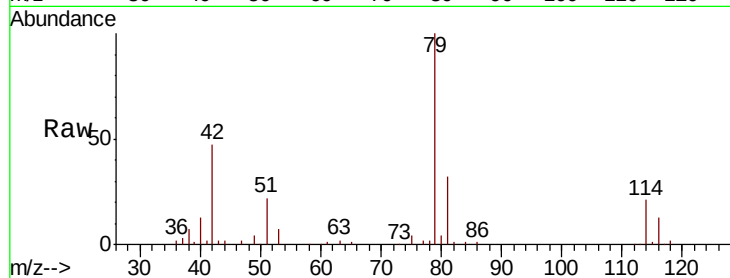


#39

cis-1,3-Dichloropropene
 Concen: 0.949 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037024.D
 Acq: 03 Mar 2020 15:23

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 3121
 Ion Ratio Lower Upper
 75 100
 77 43.5 22.0 41.0#



#59

1,2,3-Trichloropropane
 Concen: 4.934 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.98 min
 Lab File: VU037024.D
 Acq: 03 Mar 2020 15:23

Tgt Ion: 75 Resp: 13546
 Ion Ratio Lower Upper
 75 100
 77 36.3 26.2 39.2

