

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040620\
 Data File : VU037590.D
 Acq On : 06 Apr 2020 15:08
 Operator : JC/MD
 Sample : L2158-08 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0F05

Quant Time: Apr 07 00:50:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 07 00:48:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	171401	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	161488	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	77148	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	57010	40.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.90%
7) Chloroethane-d5	1.91	69	46739	41.79	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.58%
11) 1,1-Dichloroethene-d2	2.58	63	81095	34.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.32%
21) 2-Butanone-d5	4.66	46	97876	93.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.55%
24) Chloroform-d	5.10	84	105229	44.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.74%
26) 1,2-Dichloroethane-d4	5.74	65	69817	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.68%
32) Benzene-d6	5.76	84	214371	45.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.62%
36) 1,2-Dichloropropane-d6	6.72	67	72911	46.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.58%
41) Toluene-d8	7.92	98	196215	45.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.20	79	37006	43.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.54%
47) 2-Hexanone-d5	8.65	63	80726	96.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.74%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	109473	48.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.24%
64) 1,2-Dichlorobenzene-d4	12.20	152	72425	46.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.02%

Target Compounds

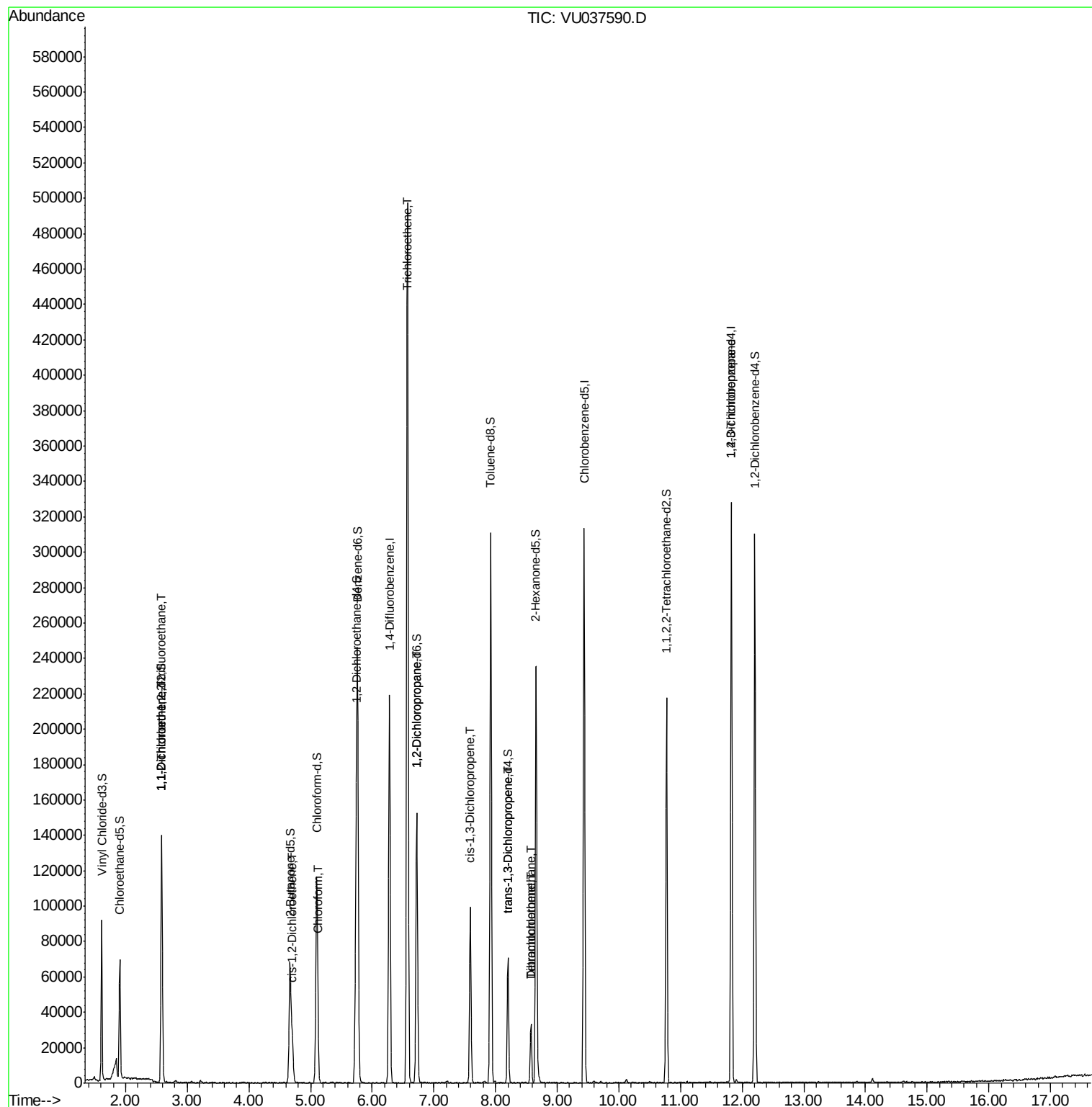
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1360	1.440	ug/L #	46
12) 1,1-Dichloroethene	2.59	96	3154	3.440	ug/L #	1
20) cis-1,2-Dichloroethene	4.71	96	11773	10.355	ug/L	90
25) Chloroform	5.13	83	2112	1.047	ug/L	95
34) Trichloroethene	6.57	95	166280	150.288	ug/L	99
37) 1,2-Dichloropropane	6.72	63	7838	6.501	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2663	1.414	ug/L #	81
44) trans-1,3-Dichloropropene	8.20	75	1841	0.993	ug/L	99
46) Tetrachloroethene	8.57	164	6591	8.872	ug/L	96
49) Dibromochloromethane	8.57	129	6759	5.505	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	11661	7.524	ug/L	94

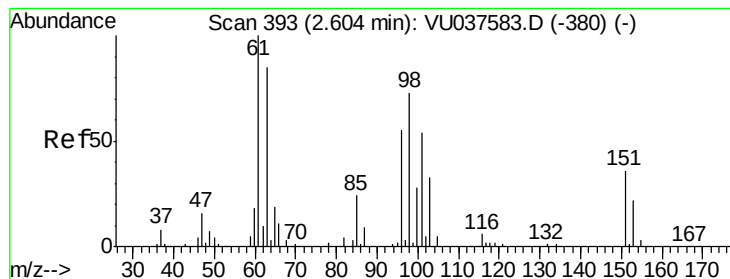
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 1.440 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037590.D

Acq: 06 Apr 2020 15:08

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C0F05

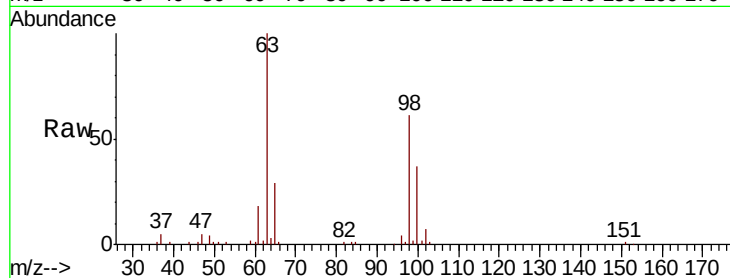
Tot Ion:101 Resp: 1360

Ion Ratio Lower Upper

101 100

85 20.6 35.4 53.2#

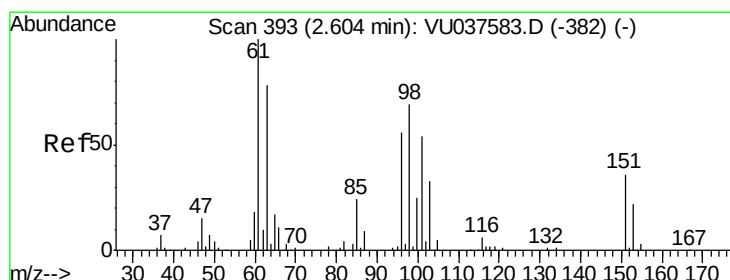
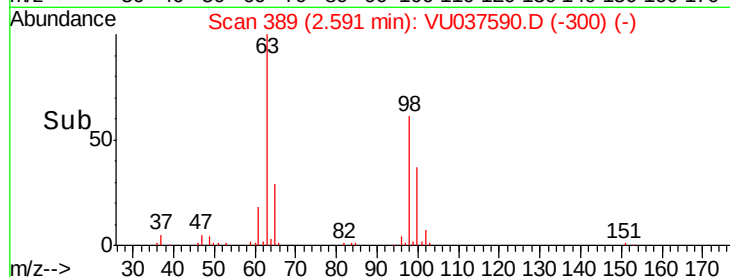
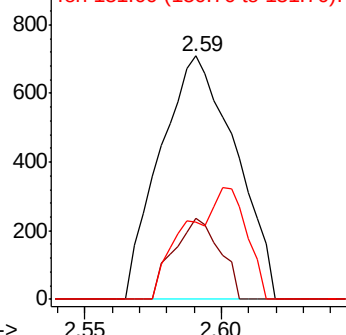
151 15.8 55.3 82.9#



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: 3.440 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU037590.D

Acq: 06 Apr 2020 15:08

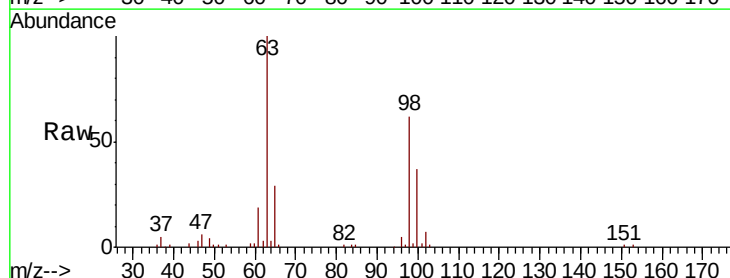
Tgt Ion: 96 Resp: 3154

Ion Ratio Lower Upper

96 100

61 350.9 117.2 217.8#

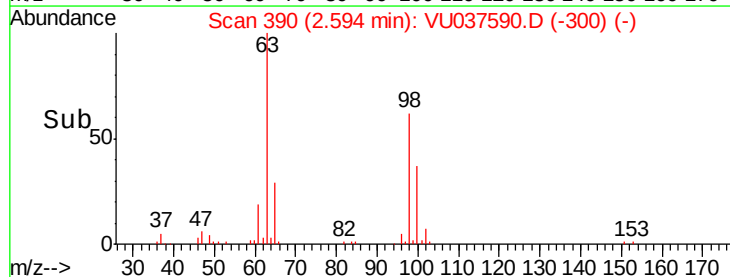
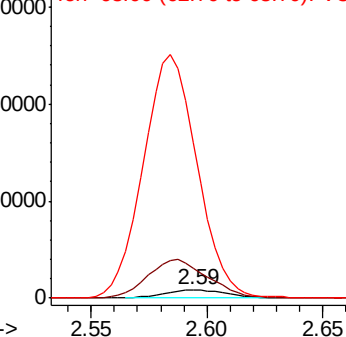
63 1843.5 90.9 168.9#

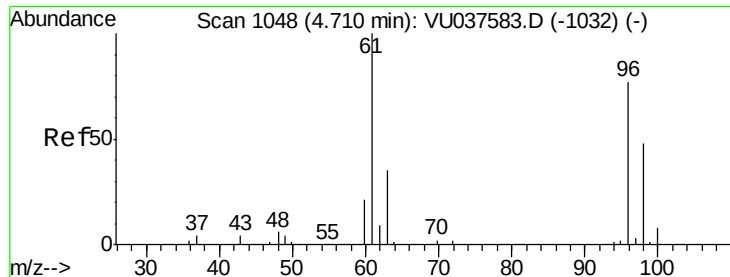


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

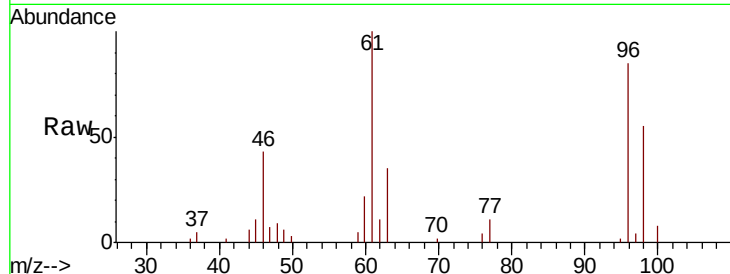




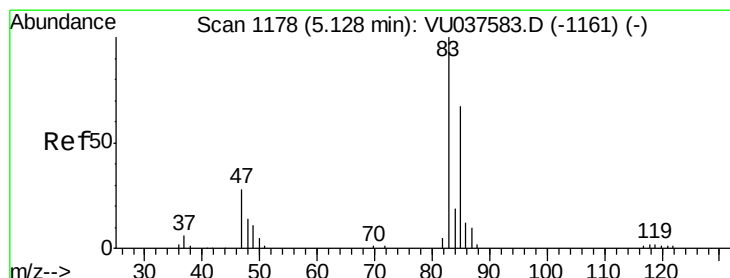
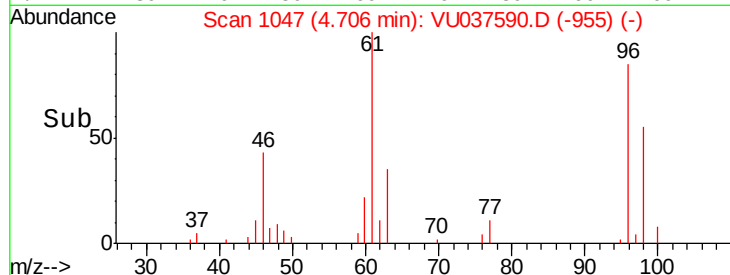
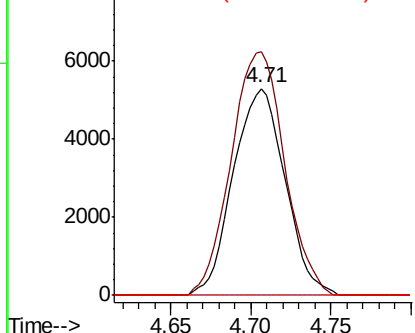
#20
 cis-1,2-Dichloroethene
 Concen: 10.355 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037590.D
 Acq: 06 Apr 2020 15:08

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 C0F05

Tot Ion: 96 Resp: 11773
 Ion Ratio Lower Upper
 96 100
 61 117.8 90.2 167.6
 68 0.0 0.0 0.0

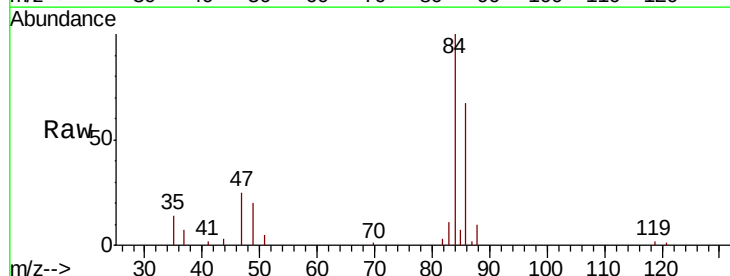


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

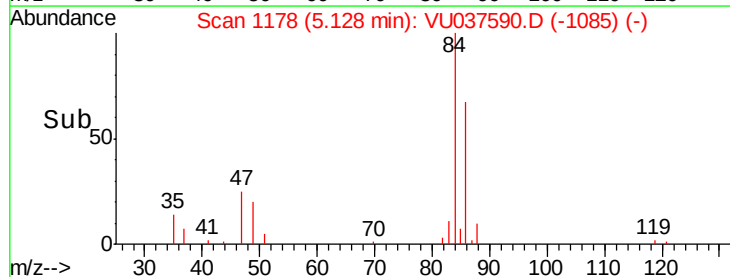
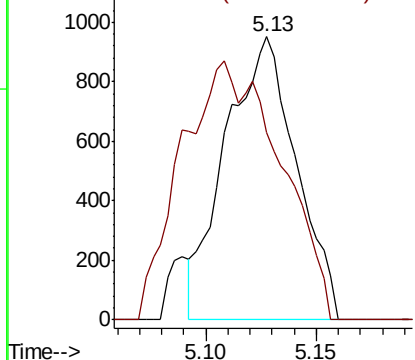


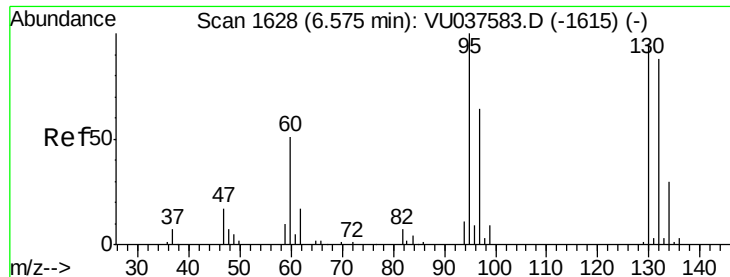
#25
 Chloroform
 Concen: 1.047 ug/L
 RT: 5.13 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VU037590.D
 Acq: 06 Apr 2020 15:08

Tgt Ion: 83 Resp: 2112
 Ion Ratio Lower Upper
 83 100
 85 66.1 43.7 81.1



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





#34

Trichloroethene

Concen: 150.288 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037590.D

Acq: 06 Apr 2020 15:08

Instrument :

MSVOA_U

ClientSampleId :

C0F05

Tot Ion: 95 Resp: 166280

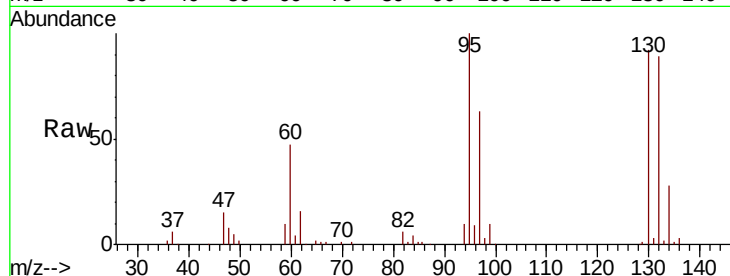
Ion Ratio Lower Upper

95 100

97 62.9 45.2 84.0

132 89.3 63.7 118.3

130 92.1 64.5 119.7

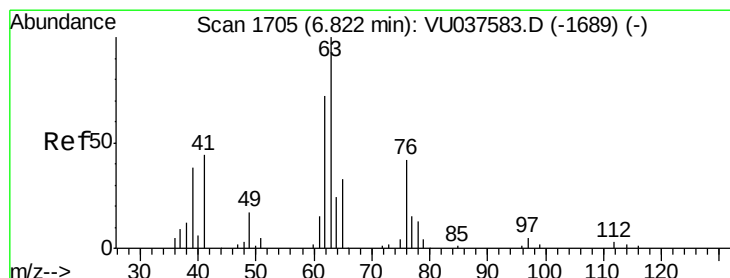
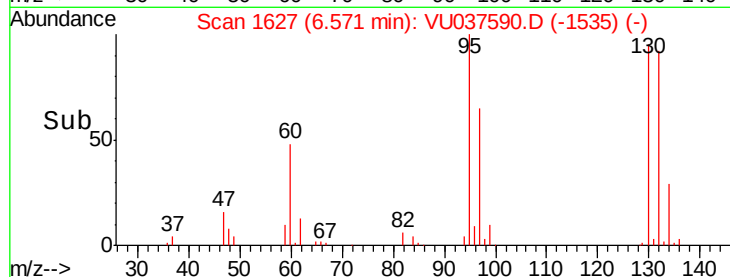
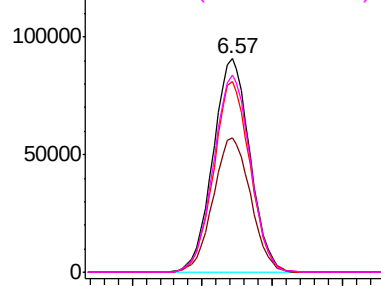


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#37

1,2-Dichloropropane

Concen: 6.501 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037590.D

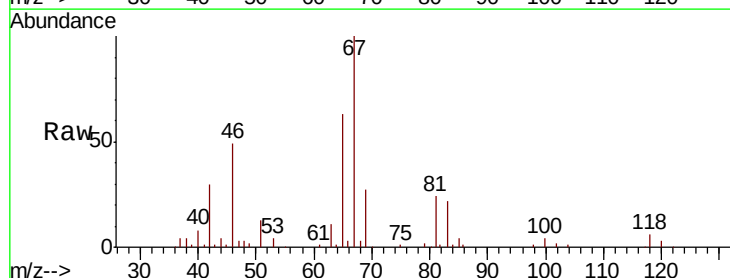
Acq: 06 Apr 2020 15:08

Tgt Ion: 63 Resp: 7838

Ion Ratio Lower Upper

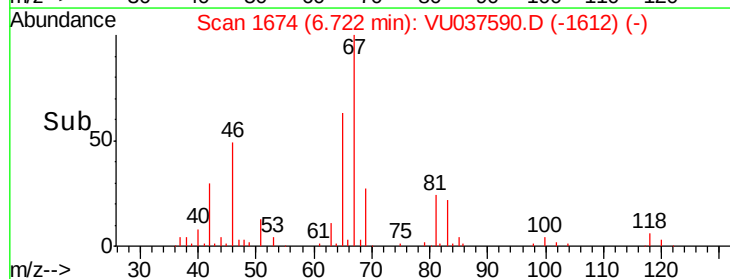
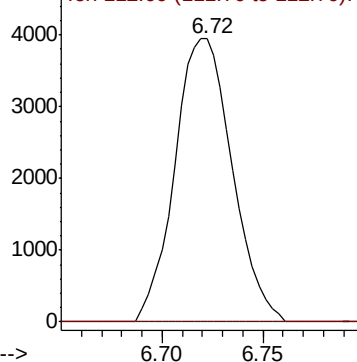
63 100

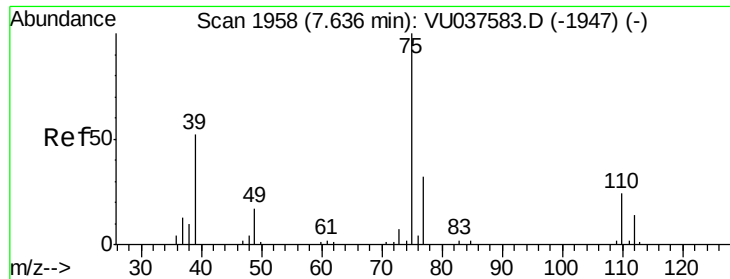
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

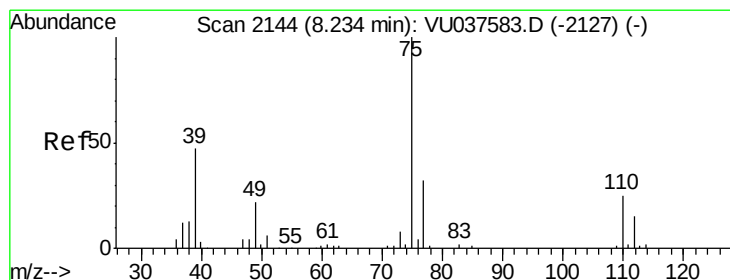
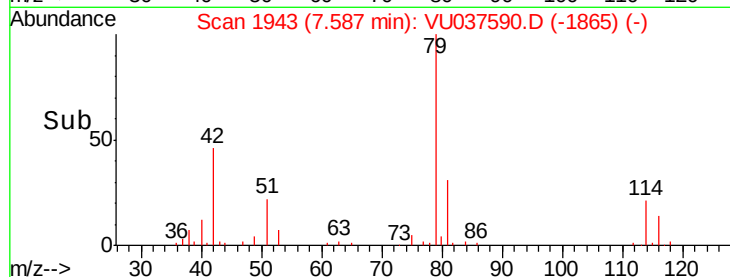
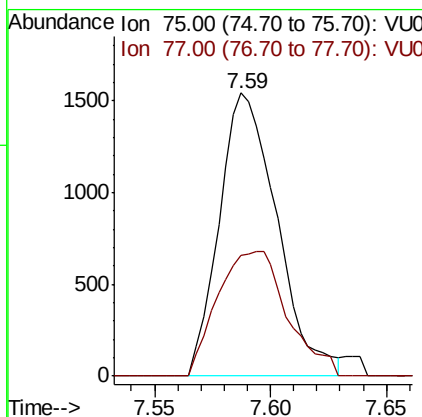
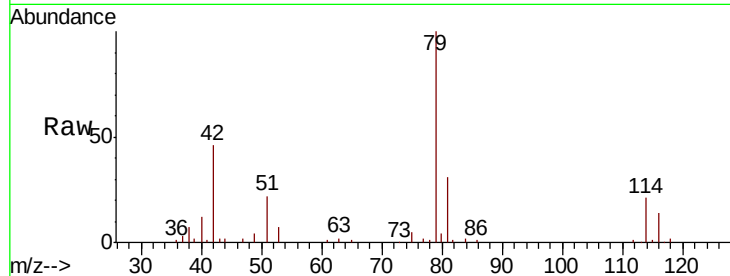




#39
 cis-1,3-Dichloropropene
 Concen: 1.414 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU037590.D
 Acq: 06 Apr 2020 15:08

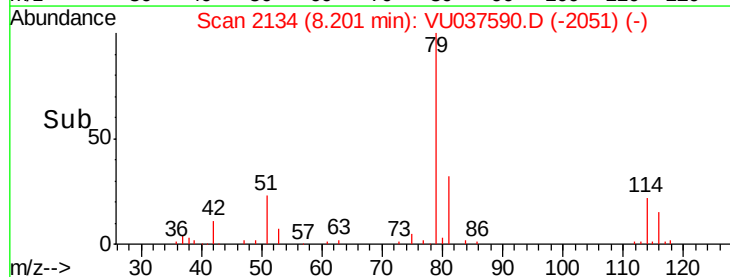
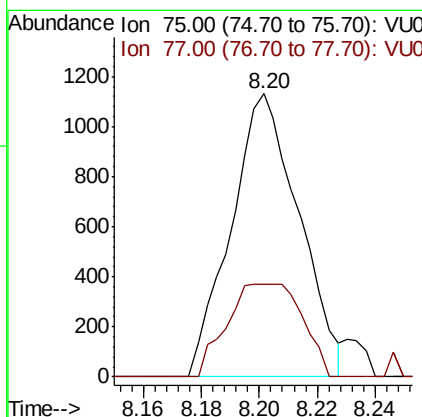
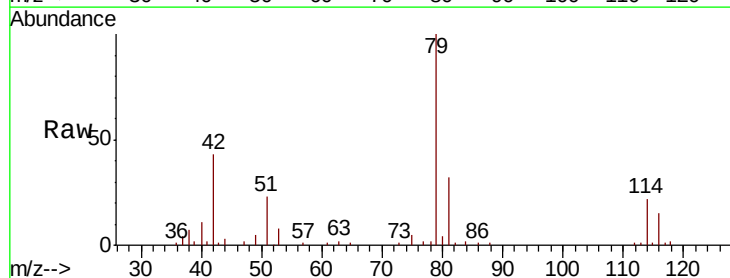
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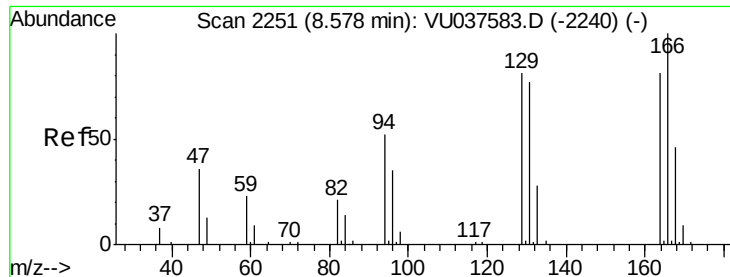
Tot Ion: 75 Resp: 2663
 Ion Ratio Lower Upper
 75 100
 77 42.5 22.5 41.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.993 ug/L
 RT: 8.20 min Scan# 2134
 Delta R.T. -0.03 min
 Lab File: VU037590.D
 Acq: 06 Apr 2020 15:08

Tgt Ion: 75 Resp: 1841
 Ion Ratio Lower Upper
 75 100
 77 32.8 23.4 43.6

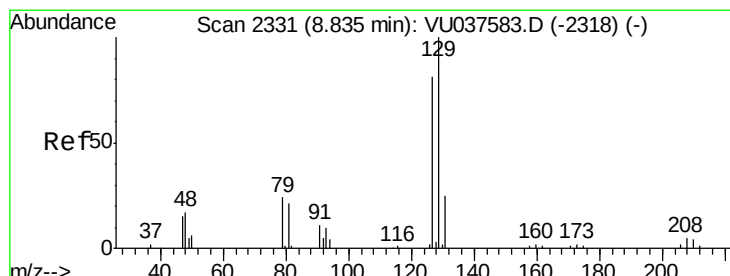
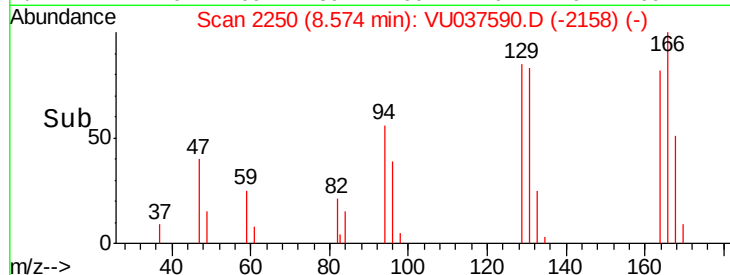
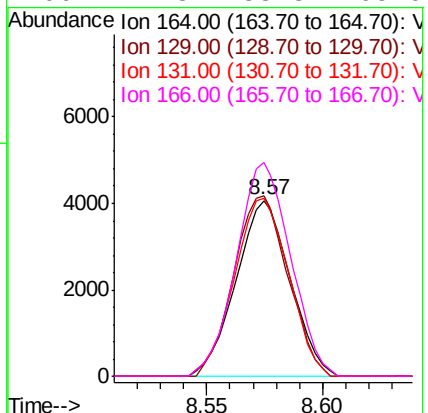
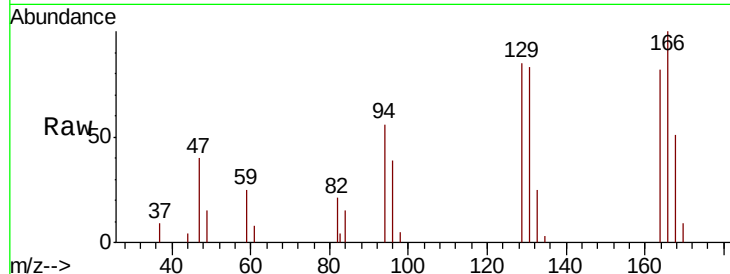




#46
Tetrachloroethene
Concen: 8.872 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037590.D
Acq: 06 Apr 2020 15:08

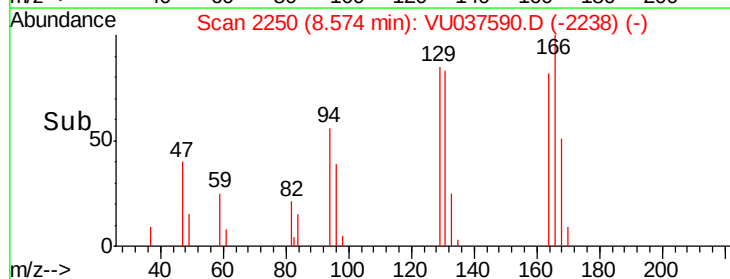
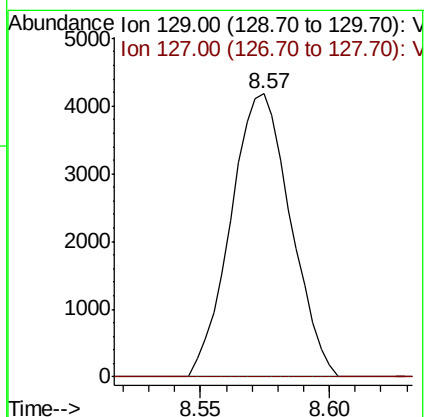
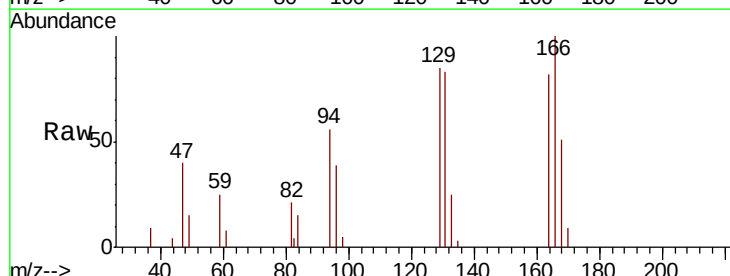
Instrument :
MSVOA_U
ClientSampleId :
C0F05

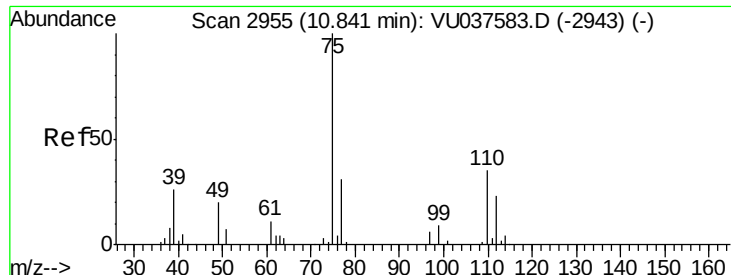
Tot Ion:164 Resp: 6591
Ion Ratio Lower Upper
164 100
129 103.0 76.5 142.1
131 101.6 71.7 133.1
166 121.8 88.8 165.0



#49
Dibromochloromethane
Concen: 5.505 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU037590.D
Acq: 06 Apr 2020 15:08

Tgt Ion:129 Resp: 6759
Ion Ratio Lower Upper
129 100
127 0.0 55.0 102.2#





#59

1,2,3-Trichloropropane

Concen: 7.524 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037590.D

Acq: 06 Apr 2020 15:08

Instrument :

MSVOA_U

ClientSampleId :

C0F05

Tot Ion: 75 Resp: 11661

Ion Ratio Lower Upper

75 100

77 35.0 25.5 38.3

