

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040620\
 Data File : VU037589.D
 Acq On : 06 Apr 2020 14:45
 Operator : JC/MD
 Sample : L2158-07 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0F04

Quant Time: Apr 07 00:50:28 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	166690	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	158688	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	74410	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	55707	41.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.30%
7) Chloroethane-d5	1.90	69	46763	42.99	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.98%
11) 1,1-Dichloroethene-d2	2.58	63	78039	34.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.58%
21) 2-Butanone-d5	4.66	46	98041	96.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.36%
24) Chloroform-d	5.10	84	102084	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.52%
26) 1,2-Dichloroethane-d4	5.74	65	68528	45.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.50%
32) Benzene-d6	5.76	84	210004	45.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.34%
36) 1,2-Dichloropropane-d6	6.72	67	69769	45.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.16%
41) Toluene-d8	7.92	98	192865	45.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.02%
43) trans-1,3-Dichloropropene-	8.20	79	36932	43.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.90%
47) 2-Hexanone-d5	8.66	63	82283	100.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.34%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	109169	49.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.68%
64) 1,2-Dichlorobenzene-d4	12.21	152	73058	48.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.22%

Target Compounds

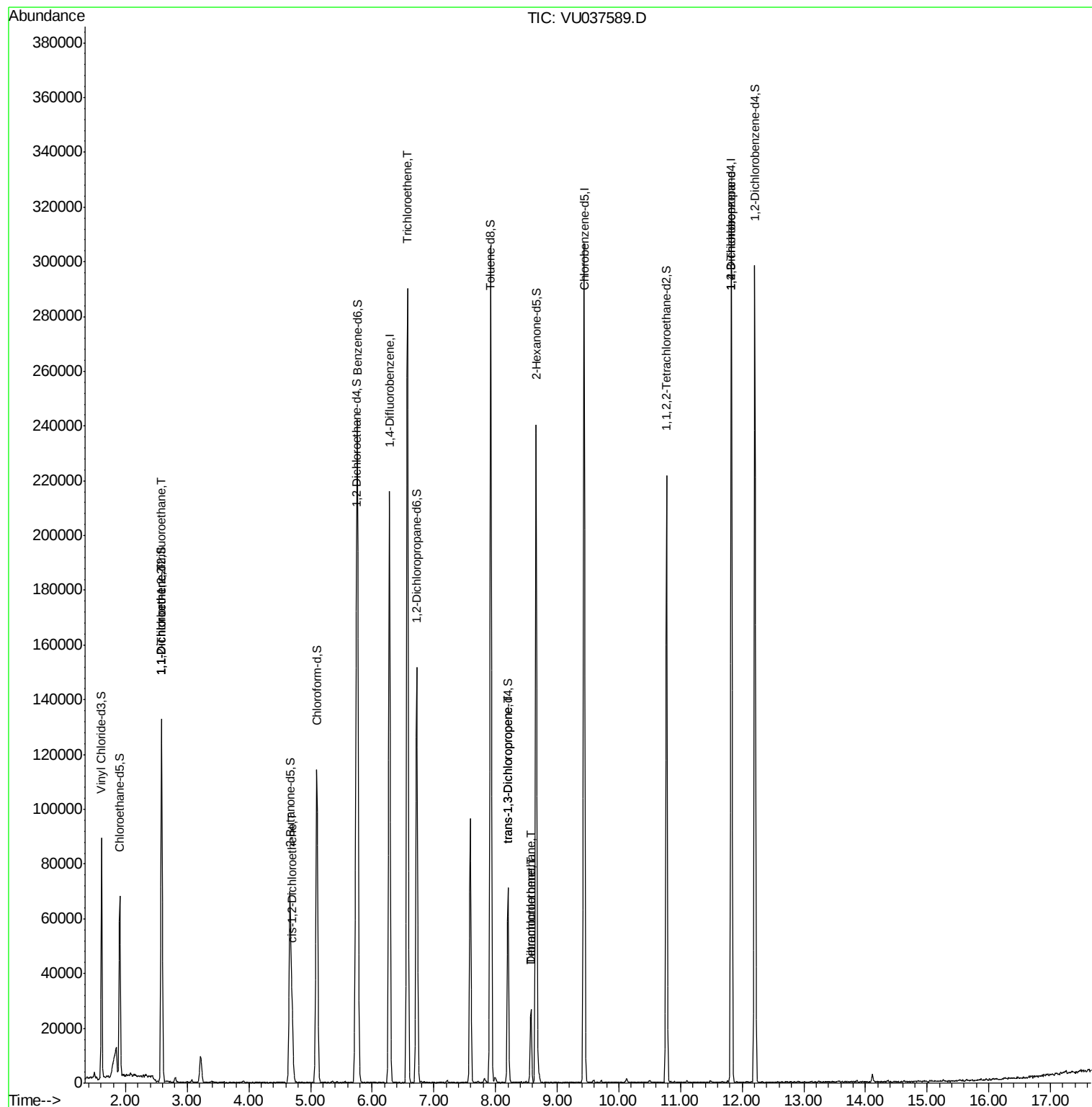
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	998	1.087 ug/L #	27
12) 1,1-Dichloroethene	2.59	96	2202	2.470 ug/L #	1
20) cis-1,2-Dichloroethene	4.70	96	10172	9.200 ug/L	97
34) Trichloroethene	6.57	95	95316	87.669 ug/L	97
44) trans-1,3-Dichloropropene	8.20	75	1875	1.029 ug/L	92
46) Tetrachloroethene	8.57	164	5480	7.507 ug/L	98
49) Dibromochloromethane	8.57	129	5691	4.717 ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	11766	7.726 ug/L	96

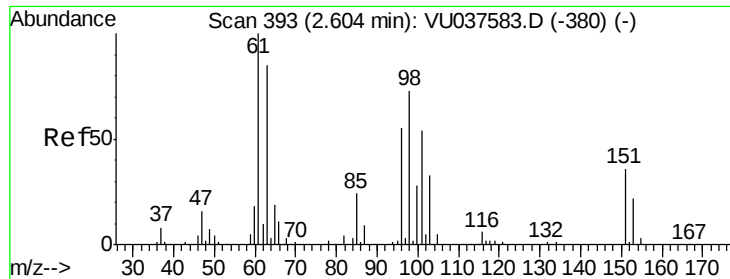
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 1.087 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037589.D

Acq: 06 Apr 2020 14:45

Instrument :

MSVOA_U

ClientSampleId :

C0F04

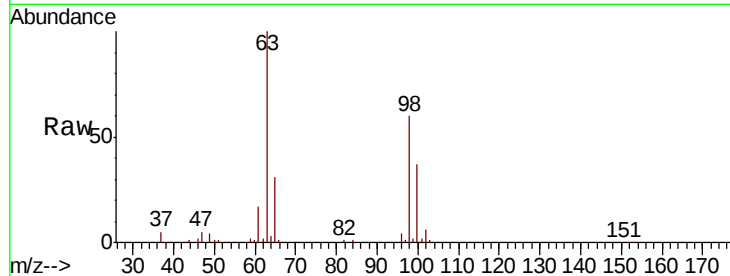
Tot Ion:101 Resp: 998

Ion Ratio Lower Upper

101 100

85 4.2 35.4 53.2#

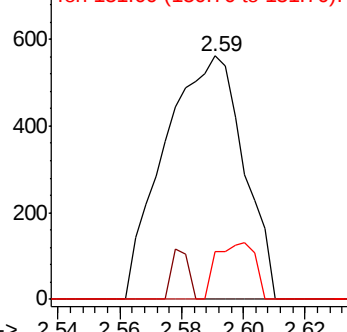
151 4.3 55.3 82.9#



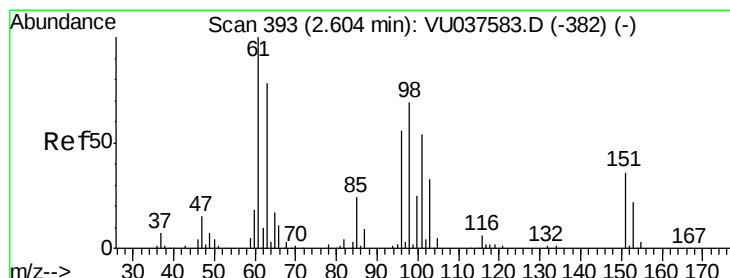
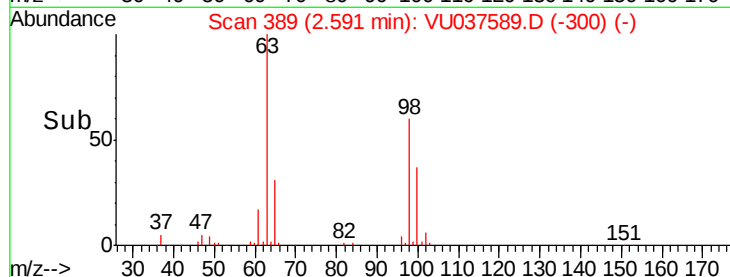
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 2.470 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037589.D

Acq: 06 Apr 2020 14:45

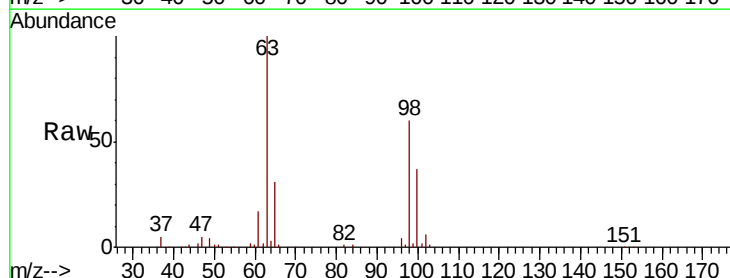
Tgt Ion: 96 Resp: 2202

Ion Ratio Lower Upper

96 100

61 477.0 117.2 217.8#

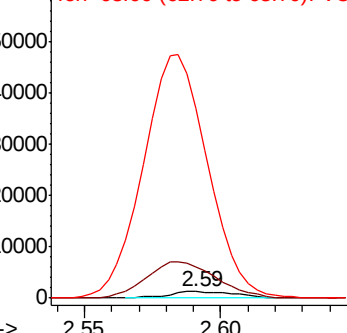
63 2850.0 90.9 168.9#



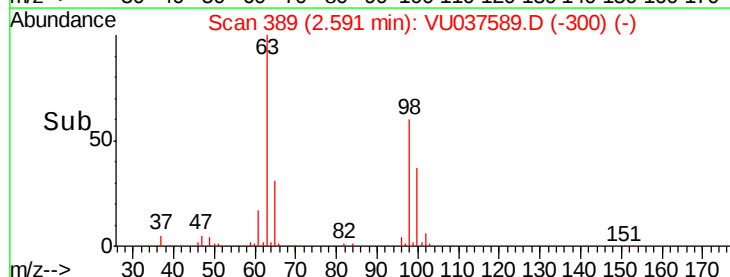
Abundance Ion 96.00 (95.70 to 96.70): VU0

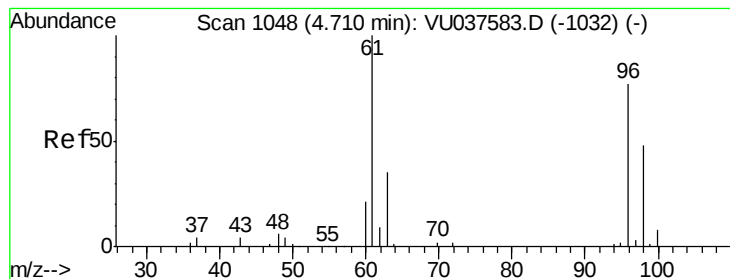
Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->





#20

cis-1,2-Dichloroethene

Concen: 9.200 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.01 min

Lab File: VU037589.D

Acq: 06 Apr 2020 14:45

Instrument :

MSVOA_U

ClientSampleId :

C0F04

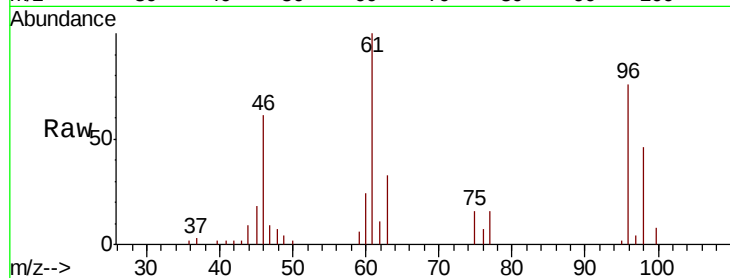
Tot Ion: 96 Resp: 10172

Ion Ratio Lower Upper

96 100

61 131.9 90.2 167.6

68 0.0 0.0 0.0

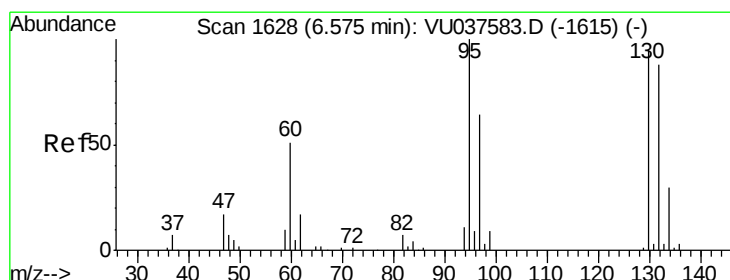
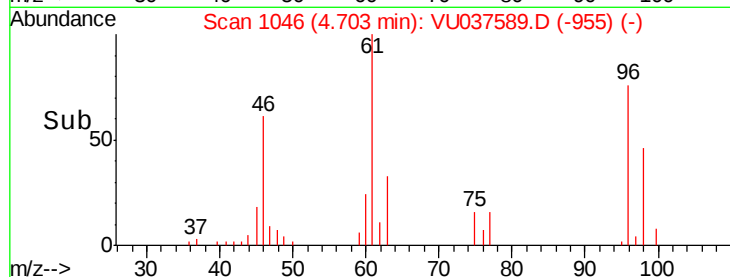
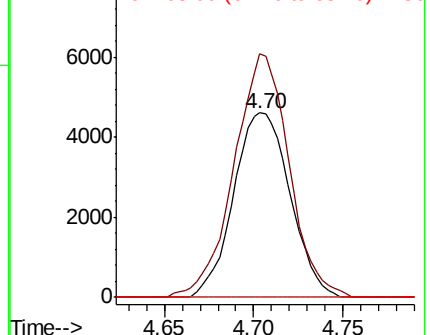


Abundance

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



#34

Trichloroethene

Concen: 87.669 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037589.D

Acq: 06 Apr 2020 14:45

Tgt Ion: 95 Resp: 95316

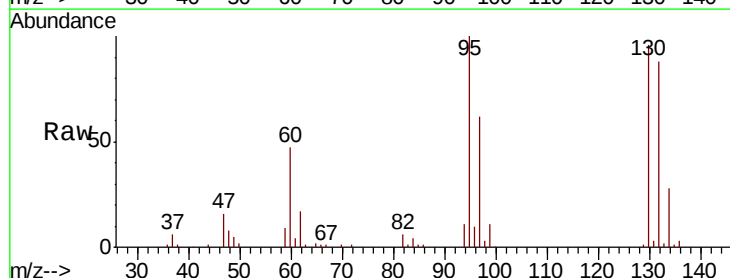
Ion Ratio Lower Upper

95 100

97 62.0 45.2 84.0

132 88.4 63.7 118.3

130 95.5 64.5 119.7



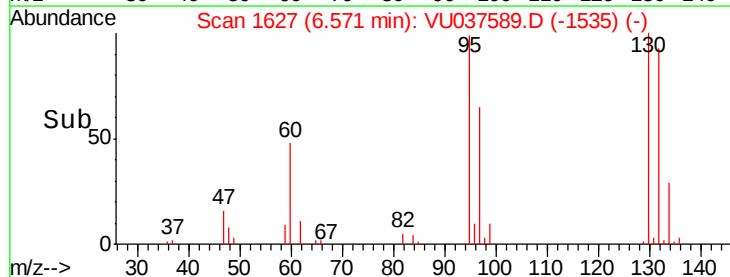
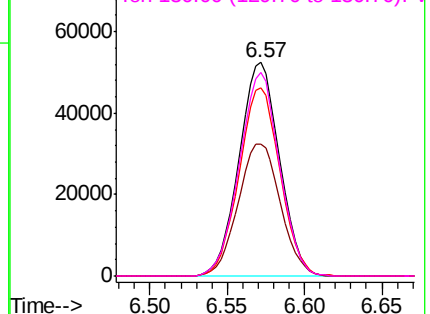
Abundance

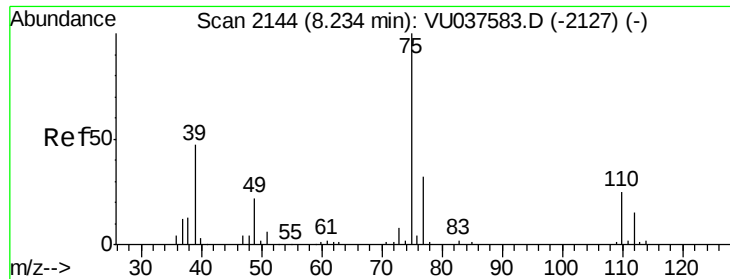
Ion 95.00 (94.70 to 95.70): VU0

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

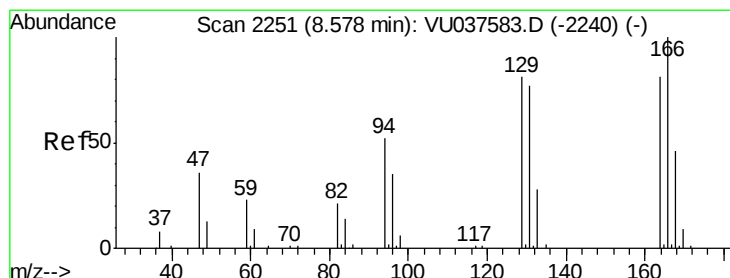
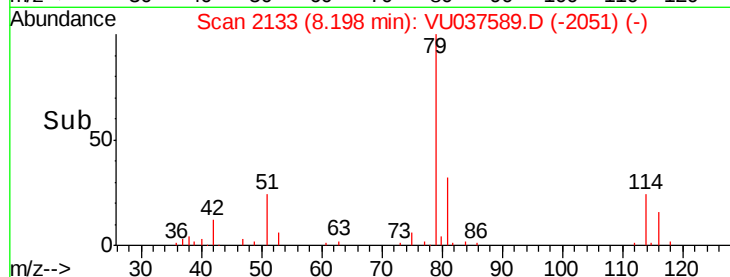
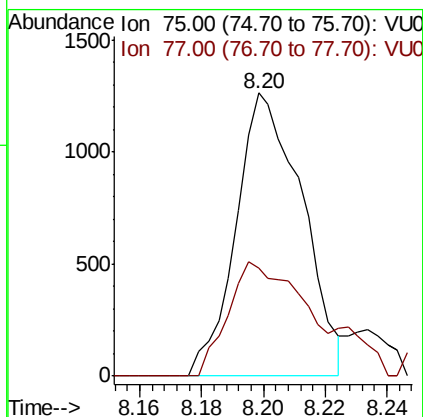
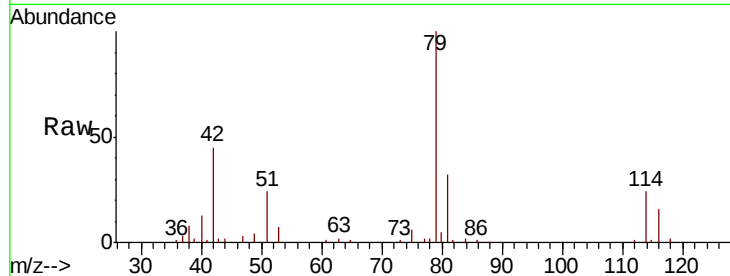




#44
trans-1,3-Dichloropropene
Concen: 1.029 ug/L
RT: 8.20 min Scan# 2133
Delta R.T. -0.04 min
Lab File: VU037589.D
Acq: 06 Apr 2020 14:45

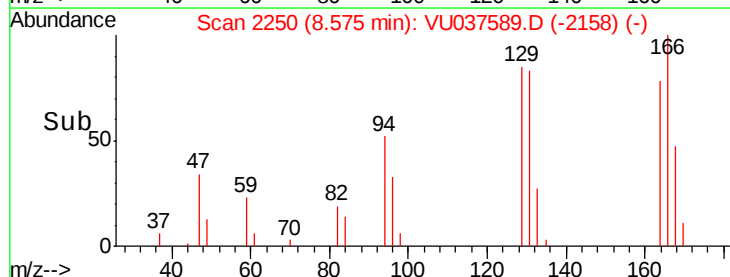
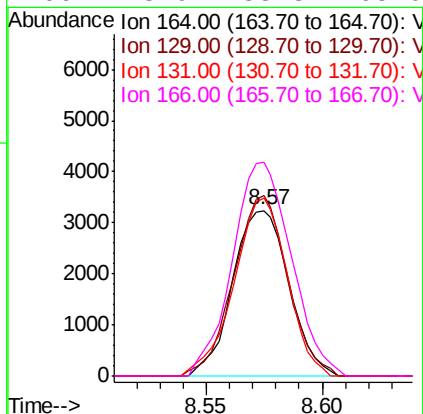
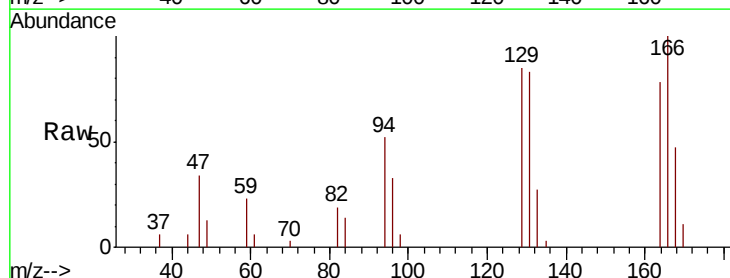
Instrument :
MSVOA_U
ClientSampled :
C0F04

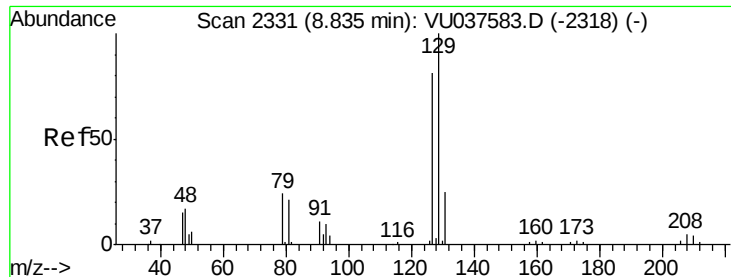
Tot Ion: 75 Resp: 1875
Ion Ratio Lower Upper
75 100
77 38.3 23.4 43.6



#46
Tetrachloroethene
Concen: 7.507 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037589.D
Acq: 06 Apr 2020 14:45

Tgt Ion:164 Resp: 5480
Ion Ratio Lower Upper
164 100
129 109.0 76.5 142.1
131 107.6 71.7 133.1
166 128.9 88.8 165.0

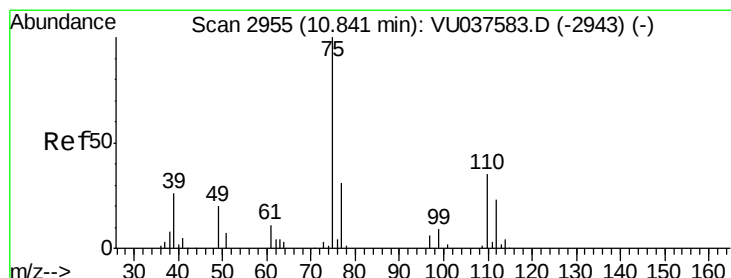
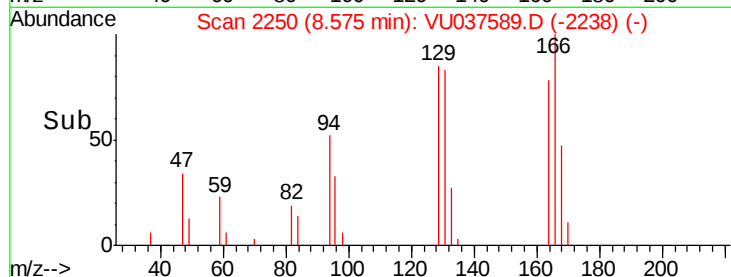
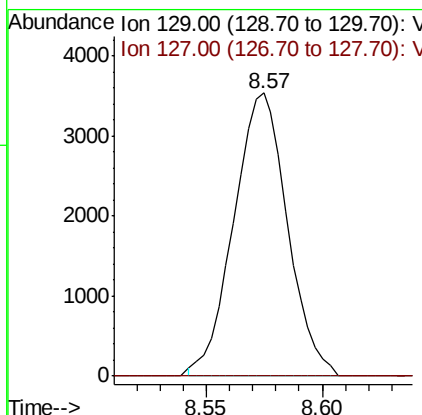
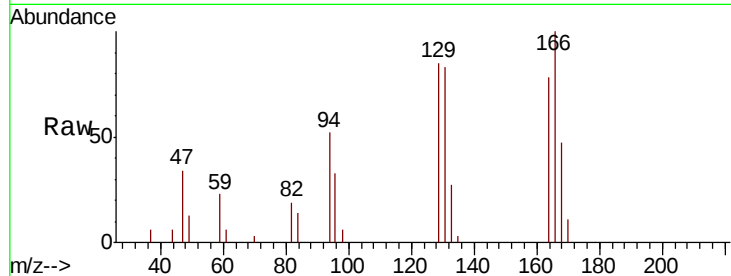




#49
 Dibromochloromethane
 Concen: 4.717 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.26 min
 Lab File: VU037589.D
 Acq: 06 Apr 2020 14:45

Instrument :
 MSVOA_U
 ClientSampleId :
 C0F04

Tot Ion:129 Resp: 5691
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.0 102.2#



#59
 1,2,3-Trichloropropane
 Concen: 7.726 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.98 min
 Lab File: VU037589.D
 Acq: 06 Apr 2020 14:45

Tgt Ion: 75 Resp: 11766
 Ion Ratio Lower Upper
 75 100
 77 34.0 25.5 38.3

