

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040620\
 Data File : VU037587.D
 Acq On : 06 Apr 2020 14:00
 Operator : JC/MD
 Sample : L2158-02DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0EZ0DL

Quant Time: Apr 07 00:50:15 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	165446	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	155605	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	74690	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	52437	39.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.04%
7) Chloroethane-d5	1.90	69	44467	41.19	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.38%
11) 1,1-Dichloroethene-d2	2.58	63	71822	31.80	ug/L	-0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.60%
21) 2-Butanone-d5	4.67	46	105846	104.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.81%
24) Chloroform-d	5.10	84	101614	44.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.78%
26) 1,2-Dichloroethane-d4	5.74	65	69238	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
32) Benzene-d6	5.76	84	203723	45.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.36%
36) 1,2-Dichloropropane-d6	6.72	67	70553	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.98%
41) Toluene-d8	7.92	98	183900	43.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.54%
43) trans-1,3-Dichloropropene-	8.20	79	35794	43.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.88%
47) 2-Hexanone-d5	8.65	63	86184	107.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.18%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	112383	51.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	70462	46.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.46%

Target Compounds

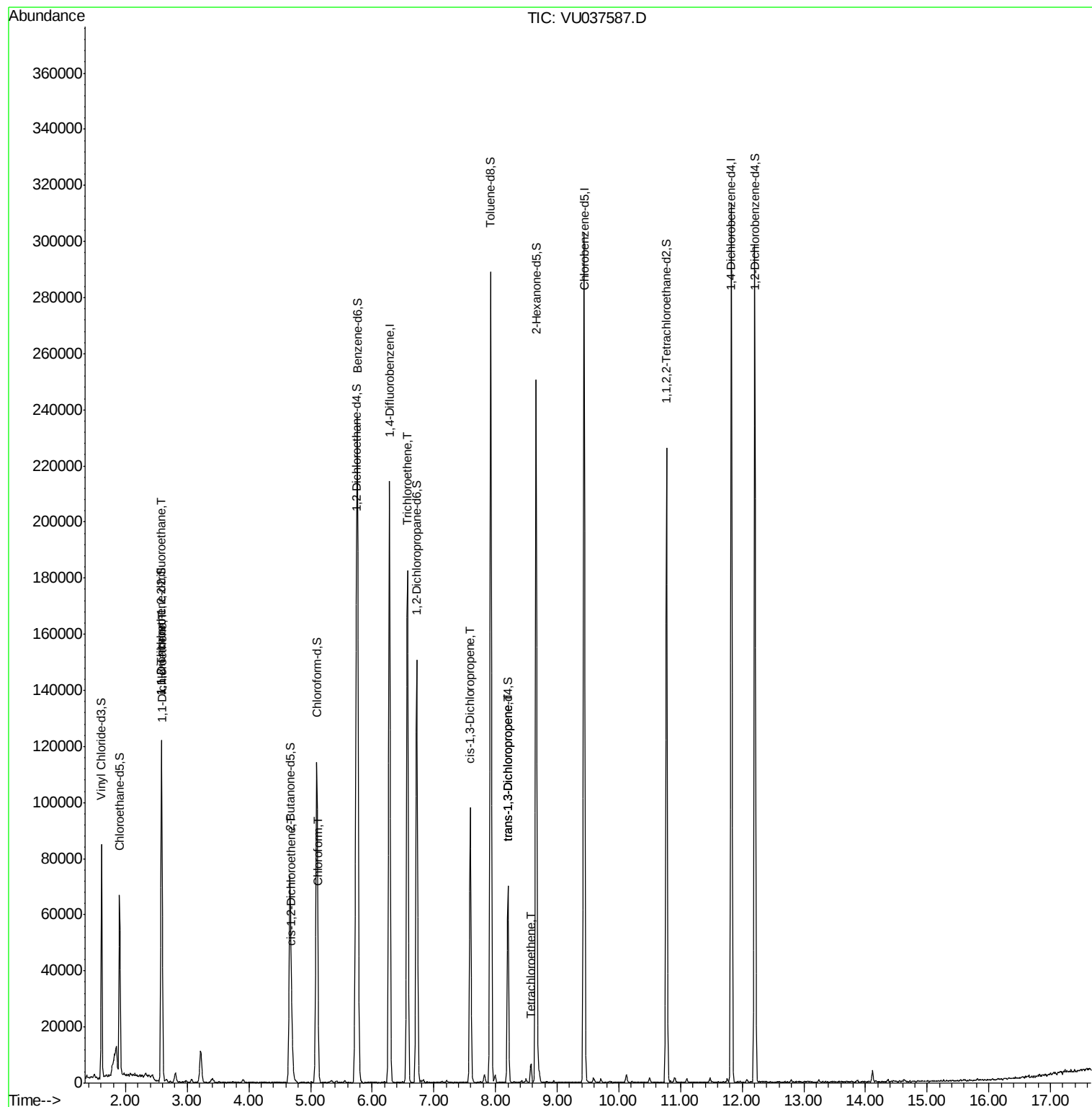
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	757	0.830 ug/L #	25
12) 1,1-Dichloroethene	2.60	96	2058	2.325 ug/L #	1
20) cis-1,2-Dichloroethene	4.70	96	4804	4.377 ug/L	97
25) Chloroform	5.13	83	1932	0.992 ug/L #	72
34) Trichloroethene	6.57	95	61338	57.535 ug/L	98
39) cis-1,3-Dichloropropene	7.59	75	2567	1.415 ug/L #	73
44) trans-1,3-Dichloropropene	8.20	75	2058	1.152 ug/L	99
46) Tetrachloroethene	8.57	164	1438	2.009 ug/L	88

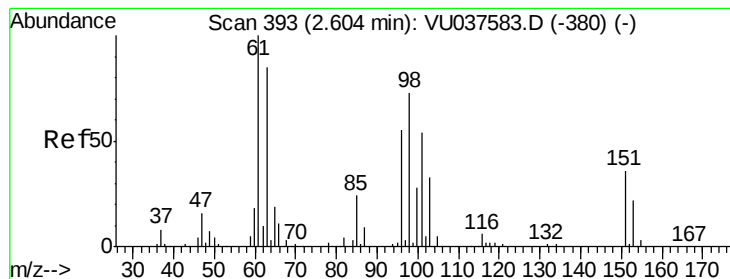
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.830 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.02 min

Lab File: VU037587.D

Acq: 06 Apr 2020 14:00

Instrument :

MSVOA_U

ClientSampleId :

C0EZ0DL

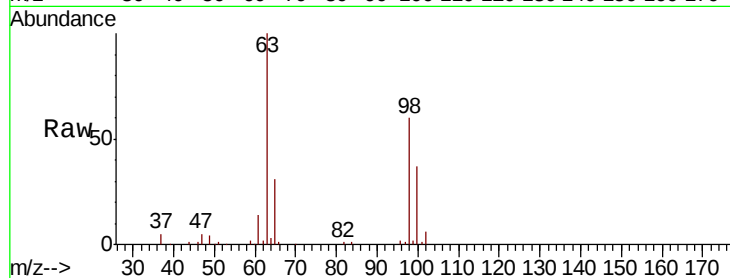
Tot Ion:101 Resp: 757

Ion Ratio Lower Upper

101 100

85 5.5 35.4 53.2#

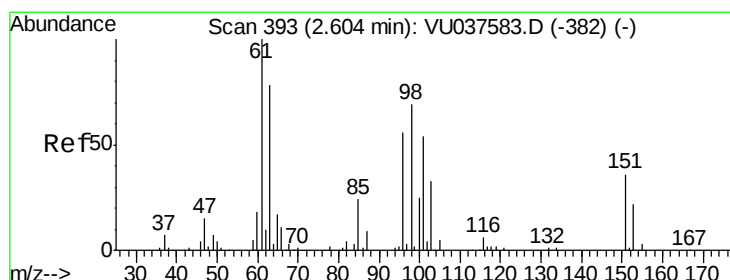
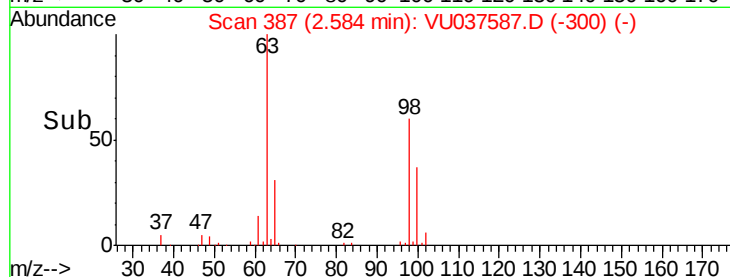
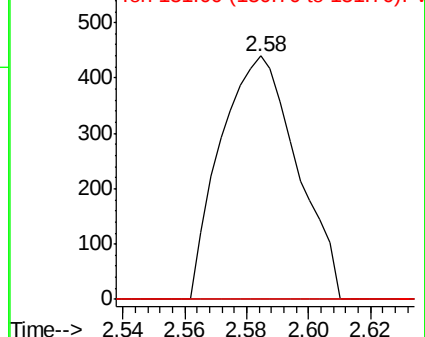
151 0.0 55.3 82.9#



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: 2.325 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037587.D

Acq: 06 Apr 2020 14:00

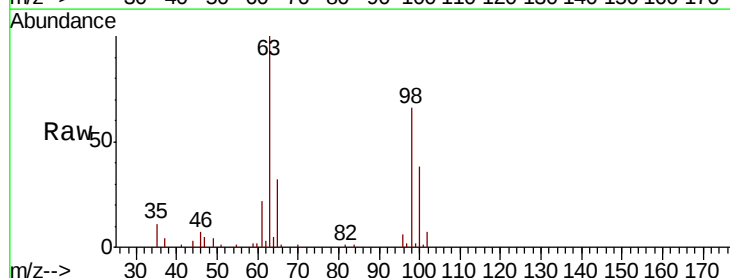
Tgt Ion: 96 Resp: 2058

Ion Ratio Lower Upper

96 100

61 348.0 117.2 217.8#

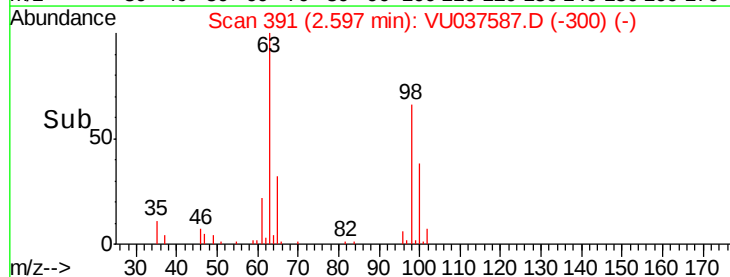
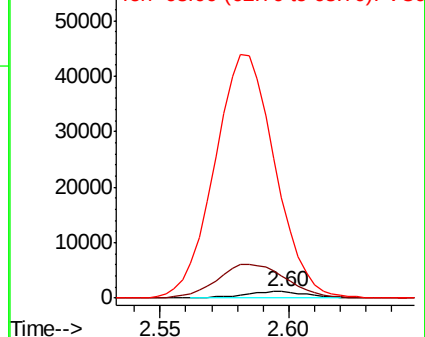
63 1548.6 90.9 168.9#

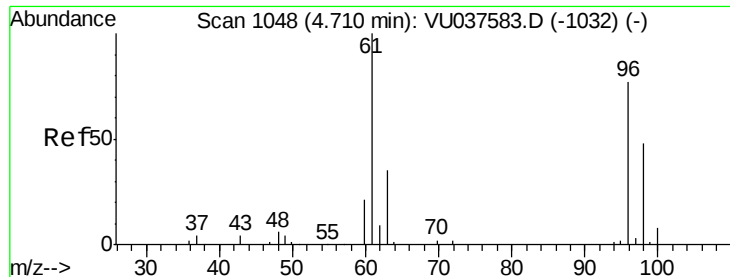


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 4.377 ug/L

RT: 4.70 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VU037587.D

Acq: 06 Apr 2020 14:00

Instrument :

MSVOA_U

ClientSampleId :

C0EZ0DL

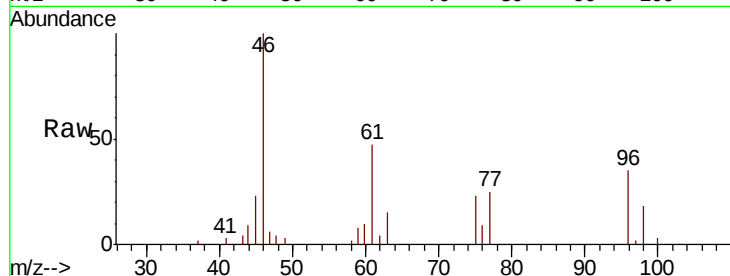
Tot Ion: 96 Resp: 4804

Ion Ratio Lower Upper

96 100

61 132.2 90.2 167.6

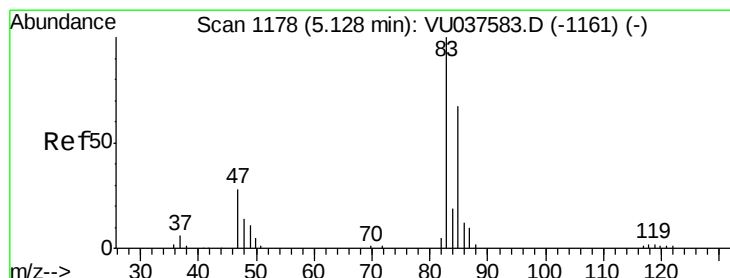
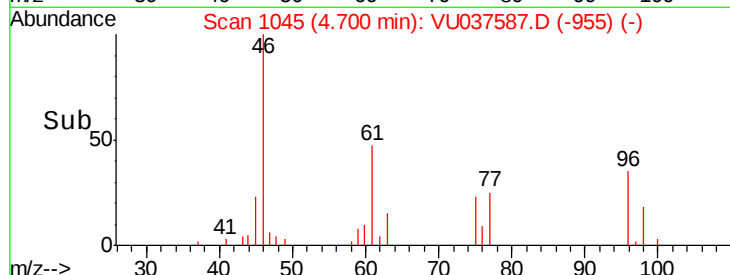
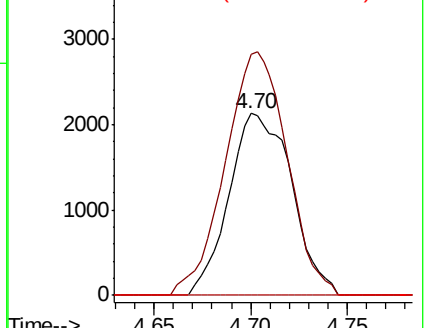
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037587.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU037587.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU037587.D (-1032) (-)



#25

Chloroform

Concen: 0.992 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VU037587.D

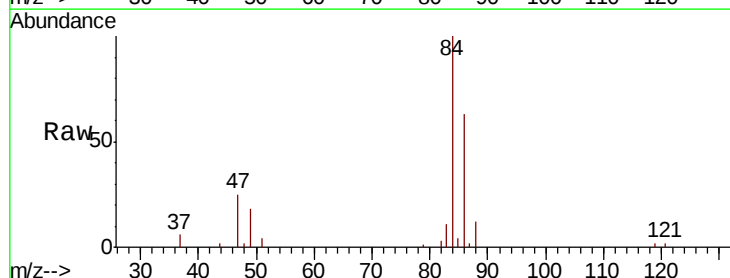
Acq: 06 Apr 2020 14:00

Tgt Ion: 83 Resp: 1932

Ion Ratio Lower Upper

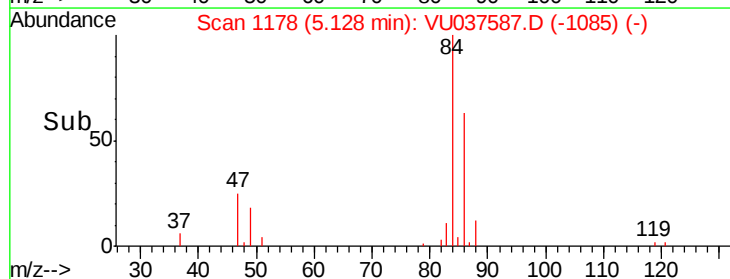
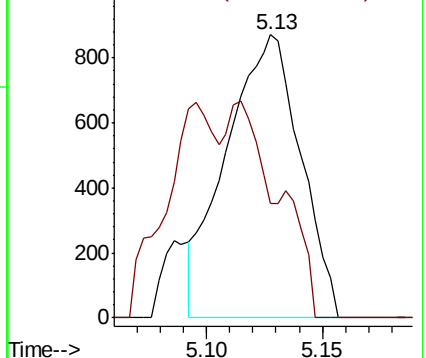
83 100

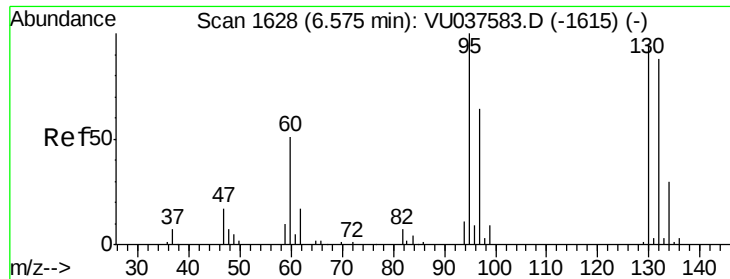
85 40.4 43.7 81.1#



Abundance Ion 83.00 (82.70 to 83.70): VU037587.D (-1161) (-)

Ion 85.00 (84.70 to 85.70): VU037587.D (-1161) (-)

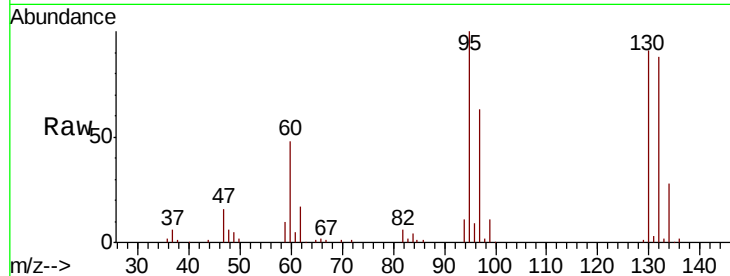




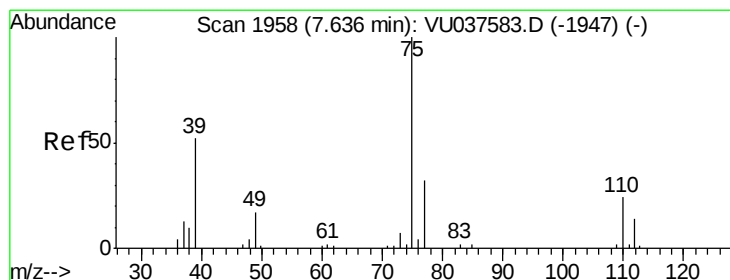
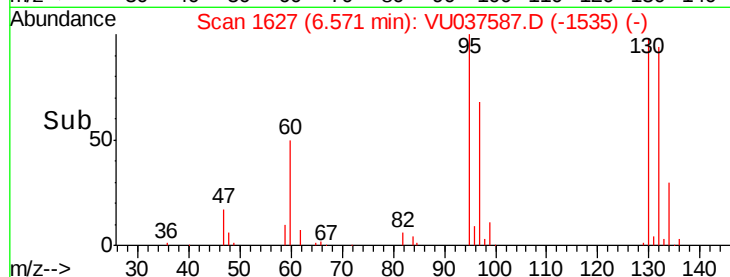
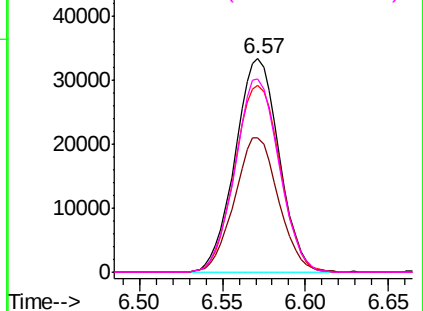
#34
 Trichloroethene
 Concen: 57.535 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037587.D
 Acq: 06 Apr 2020 14:00

Instrument :
 MSVOA_U
 ClientSampled :
 C0EZ0DL

Tot Ion: 95 Resp: 61338
 Ion Ratio Lower Upper
 95 100
 97 63.2 45.2 84.0
 132 87.5 63.7 118.3
 130 90.7 64.5 119.7

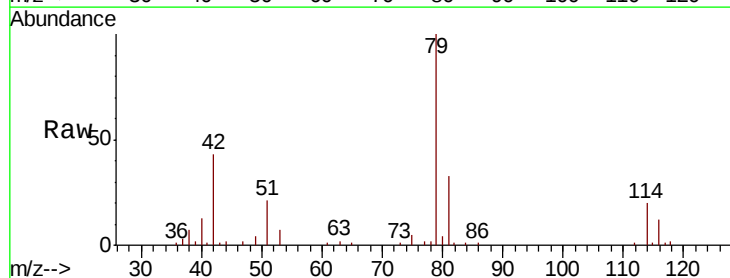


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

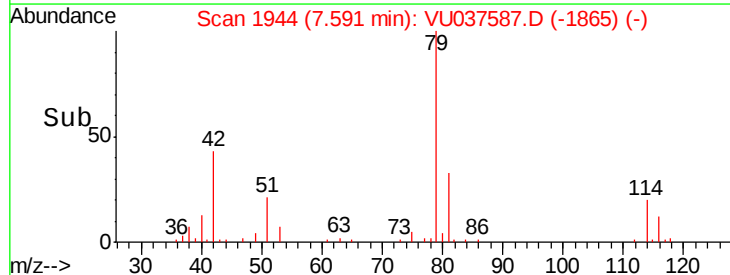
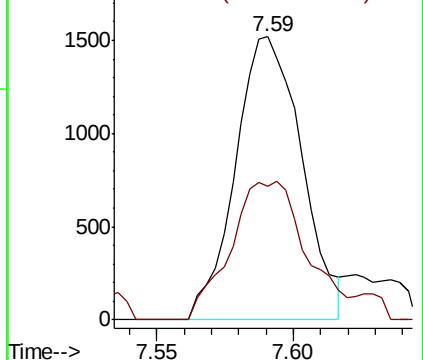


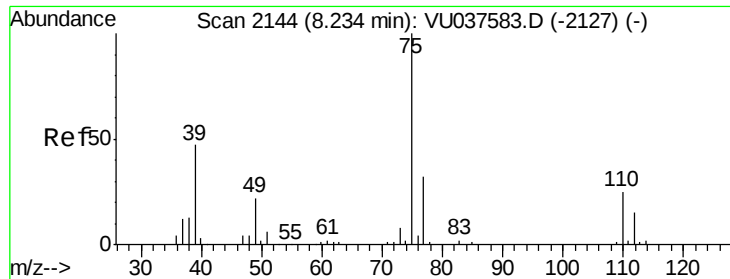
#39
 cis-1,3-Dichloropropene
 Concen: 1.415 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.05 min
 Lab File: VU037587.D
 Acq: 06 Apr 2020 14:00

Tgt Ion: 75 Resp: 2567
 Ion Ratio Lower Upper
 75 100
 77 47.3 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

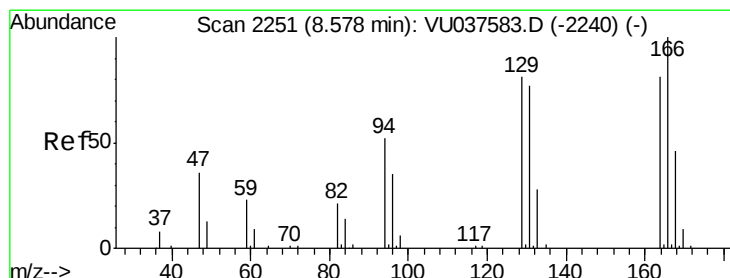
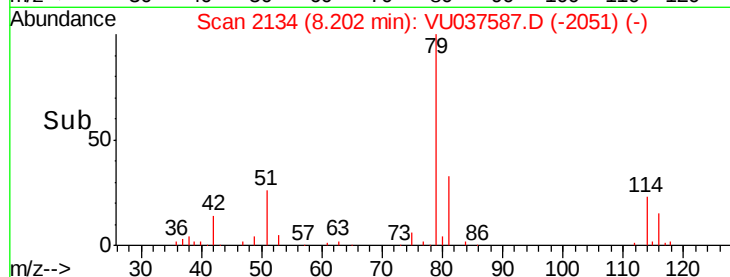
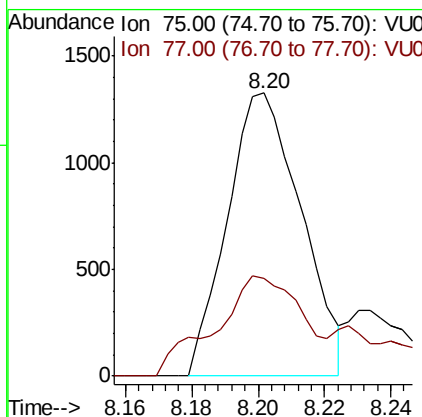
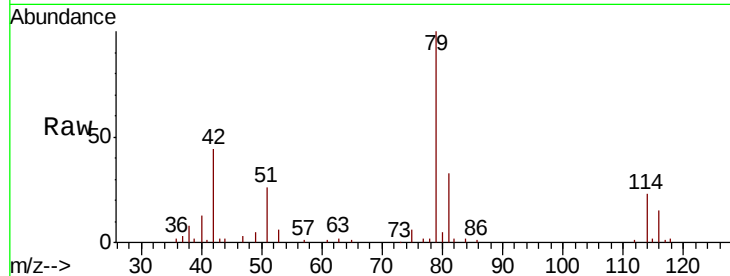




#44
trans-1,3-Dichloropropene
Concen: 1.152 ug/L
RT: 8.20 min Scan# 2134
Delta R.T. -0.03 min
Lab File: VU037587.D
Acq: 06 Apr 2020 14:00

Instrument :
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ClientSampled :
C0EZ0DL

Tot Ion: 75 Resp: 2058
Ion Ratio Lower Upper
75 100
77 34.3 23.4 43.6



#46
Tetrachloroethene
Concen: 2.009 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037587.D
Acq: 06 Apr 2020 14:00

Tgt Ion:164 Resp: 1438
Ion Ratio Lower Upper
164 100
129 99.9 76.5 142.1
131 80.5 71.7 133.1
166 134.8 88.8 165.0

