

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040620\
 Data File : VU037591.D
 Acq On : 06 Apr 2020 15:31
 Operator : JC/MD
 Sample : L2158-03DL 4X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0EZ1DL

Quant Time: Apr 07 00:50:41 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	170353	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	159674	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	74159	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	55742	40.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.58%
7) Chloroethane-d5	1.93	69	46044	41.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.84%
11) 1,1-Dichloroethene-d2	2.59	63	76283	32.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.60%
21) 2-Butanone-d5	4.67	46	102056	98.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.14%
24) Chloroform-d	5.11	84	101600	43.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.18%
26) 1,2-Dichloroethane-d4	5.74	65	66915	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.48%
32) Benzene-d6	5.76	84	207259	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.72	67	69018	44.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.64%
41) Toluene-d8	7.92	98	186050	43.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.30%
43) trans-1,3-Dichloropropene-	8.20	79	36048	42.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.26%
47) 2-Hexanone-d5	8.65	63	79469	96.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.31%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	104406	46.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.78%
64) 1,2-Dichlorobenzene-d4	12.20	152	68484	45.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.52%

Target Compounds

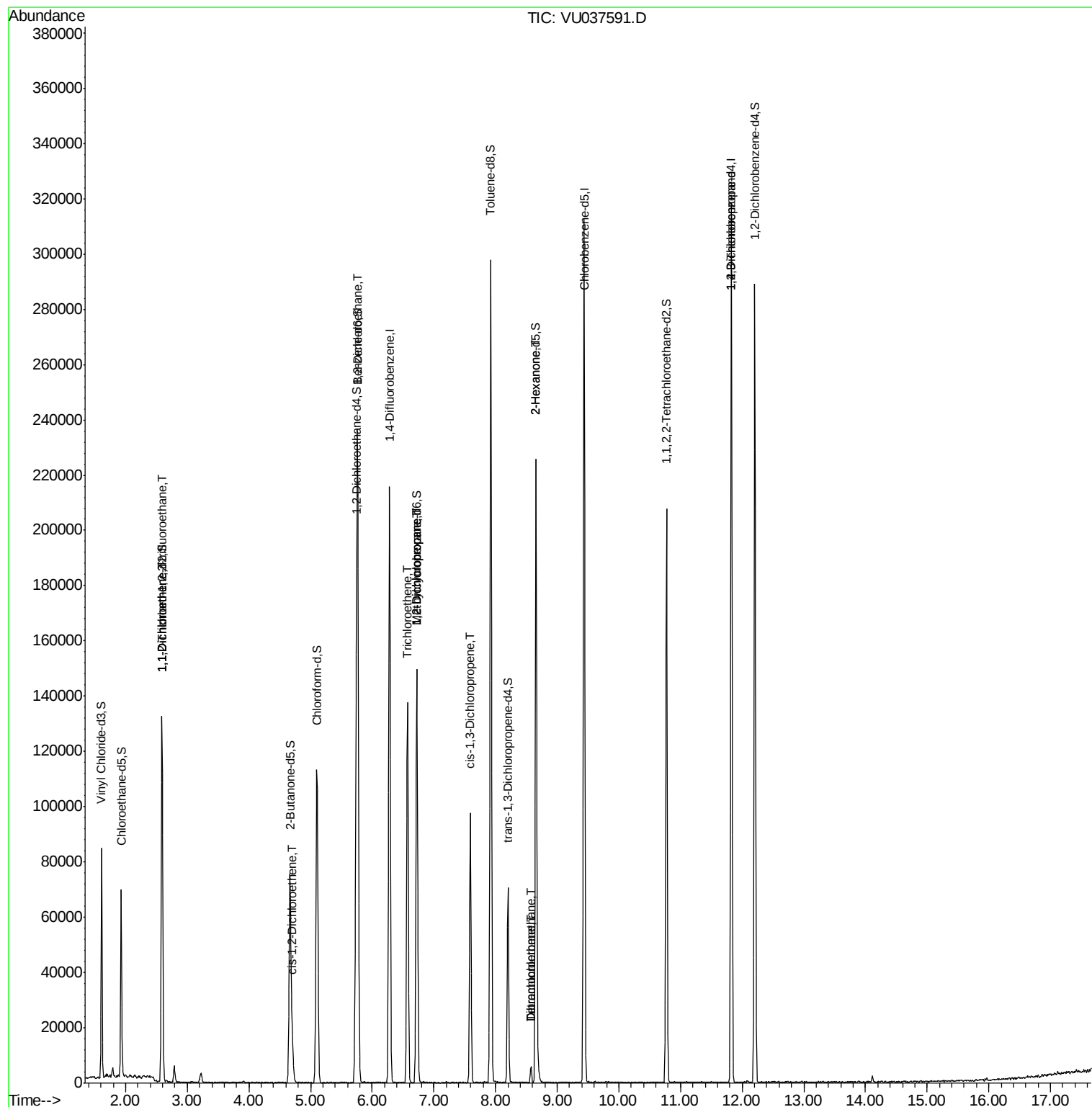
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	748	0.797	ug/L #	22
12) 1,1-Dichloroethene	2.60	96	1062	1.165	ug/L #	1
20) cis-1,2-Dichloroethene	4.71	96	5611	4.966	ug/L	89
27) 1,2-Dichloroethane	5.76	62	1327	0.858	ug/L #	75
34) Trichloroethene	6.57	95	46808	42.787	ug/L	99
35) Methylcyclohexane	6.72	83	15811	9.354	ug/L #	19
37) 1,2-Dichloropropane	6.72	63	7793	6.537	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2519	1.353	ug/L #	77
46) Tetrachloroethene	8.57	164	1212	1.650	ug/L	85
48) 2-Hexanone	8.65	43	9239	6.142	ug/L #	70
49) Dibromochloromethane	8.58	129	1479	1.218	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	11119	7.256	ug/L	90

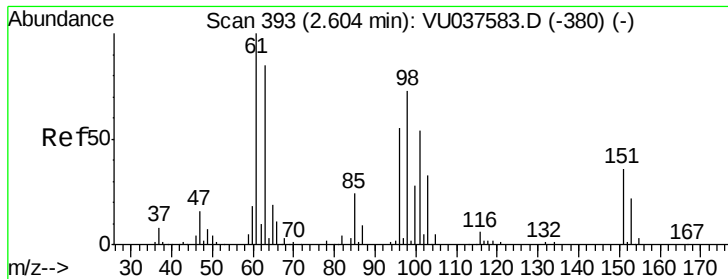
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.797 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037591.D

Acq: 06 Apr 2020 15:31

Instrument :

MSVOA_U

ClientSampleId :

C0EZ1DL

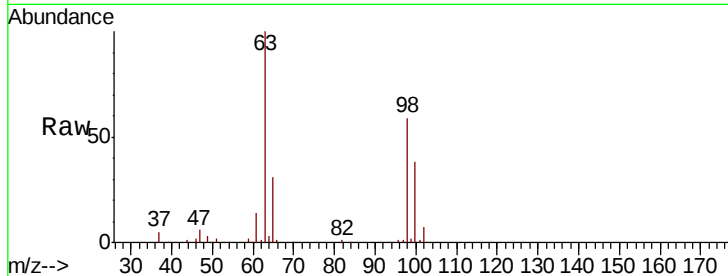
Tot Ion:101 Resp: 748

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.2#

151 0.0 55.3 82.9#

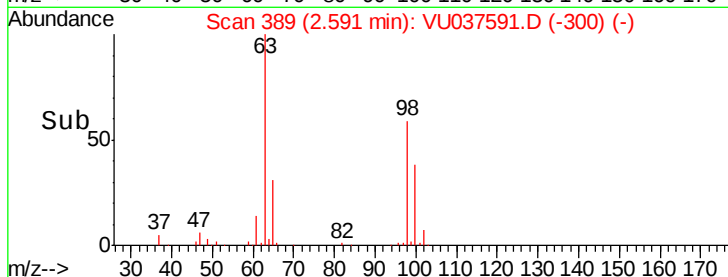
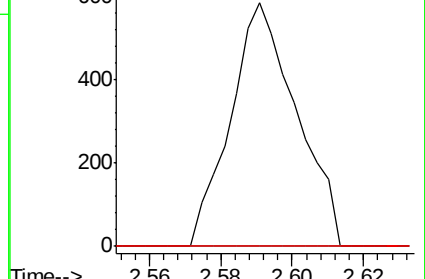


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.59



#12

1,1-Dichloroethene

Concen: 1.165 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037591.D

Acq: 06 Apr 2020 15:31

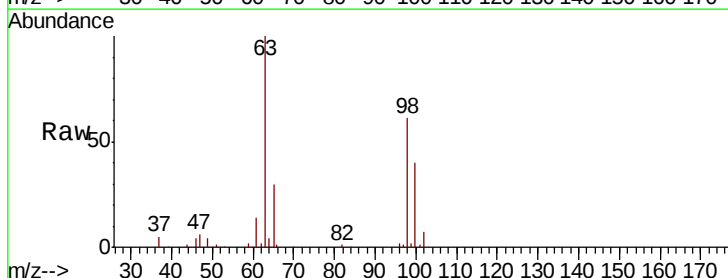
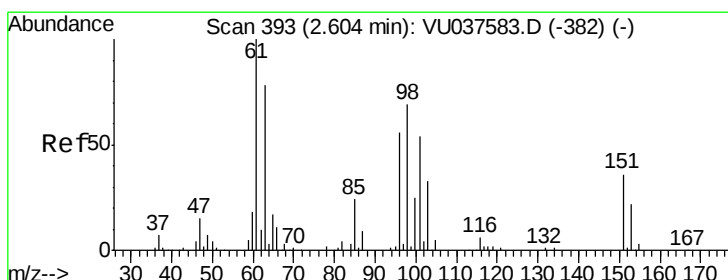
Tgt Ion: 96 Resp: 1062

Ion Ratio Lower Upper

96 100

61 850.4 117.2 217.8#

63 6069.7 90.9 168.9#

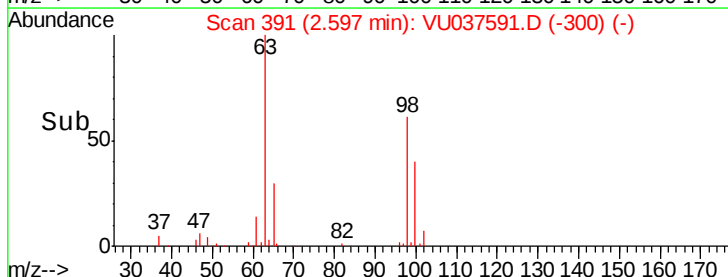
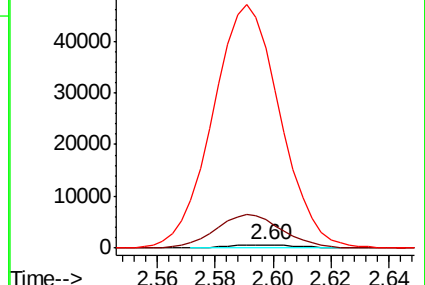


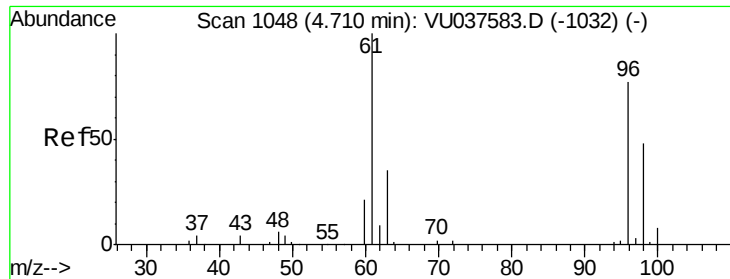
Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

2.60

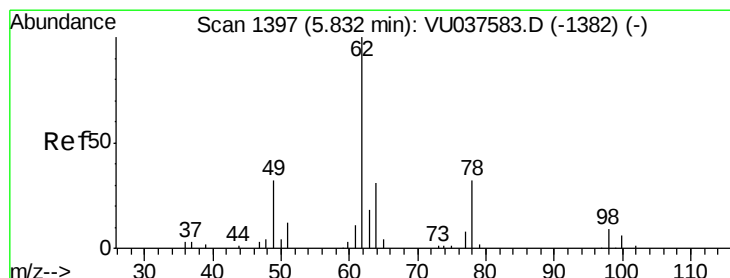
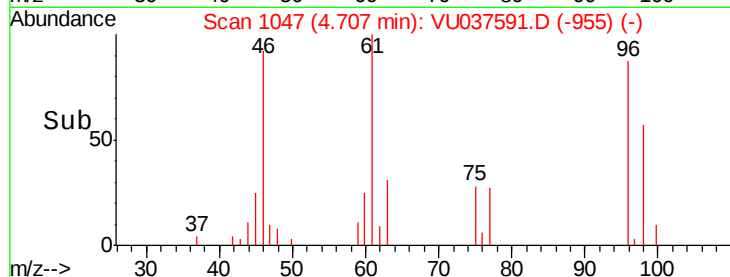
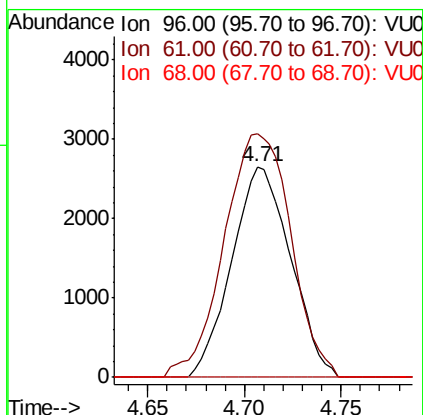
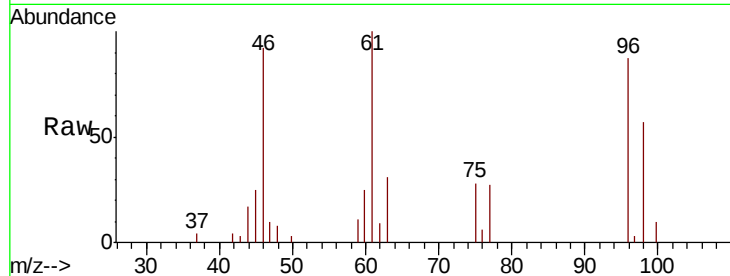




#20
 cis-1,2-Dichloroethene
 Concen: 4.966 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037591.D
 Acq: 06 Apr 2020 15:31

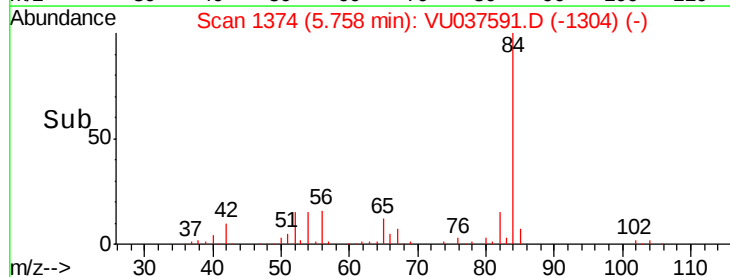
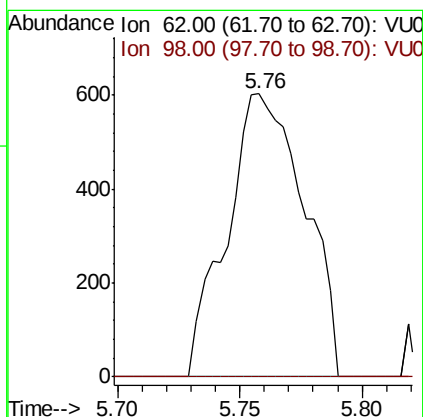
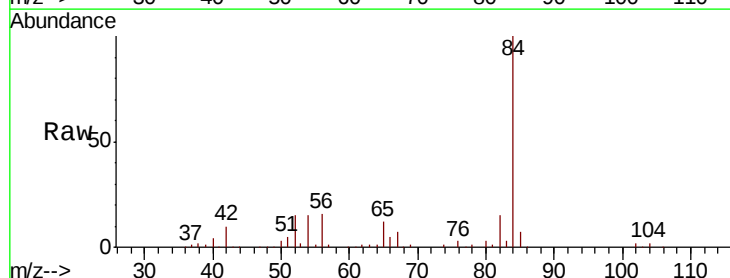
Instrument :
 MSVOA_U
 ClientSampleId :
 C0EZ1DL

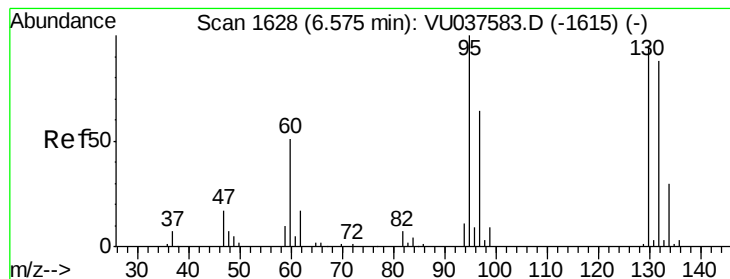
Tot Ion: 96 Resp: 5611
 Ion Ratio Lower Upper
 96 100
 61 115.6 90.2 167.6
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.858 ug/L
 RT: 5.76 min Scan# 1374
 Delta R.T. -0.07 min
 Lab File: VU037591.D
 Acq: 06 Apr 2020 15:31

Tgt Ion: 62 Resp: 1327
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.1 10.7#





#34

Trichloroethene

Concen: 42.787 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037591.D

Acq: 06 Apr 2020 15:31

Instrument :

MSVOA_U

ClientSampleId :

C0EZ1DL

Tot Ion: 95 Resp: 46808

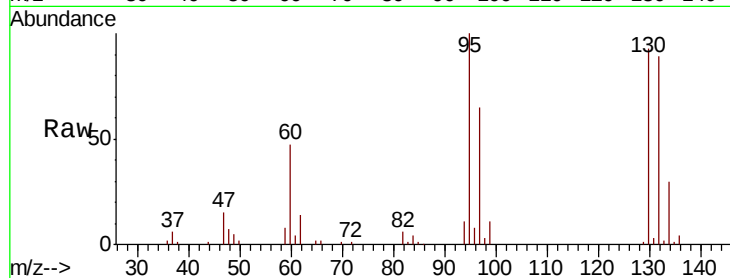
Ion Ratio Lower Upper

95 100

97 64.7 45.2 84.0

132 88.8 63.7 118.3

130 93.0 64.5 119.7

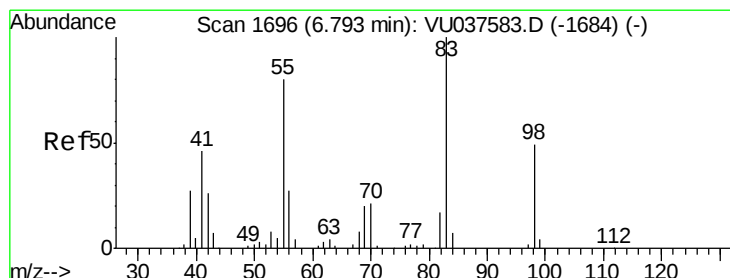
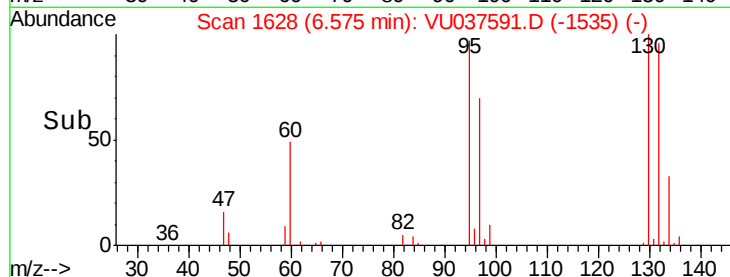
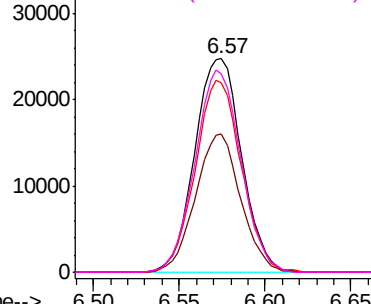


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 9.354 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU037591.D

Acq: 06 Apr 2020 15:31

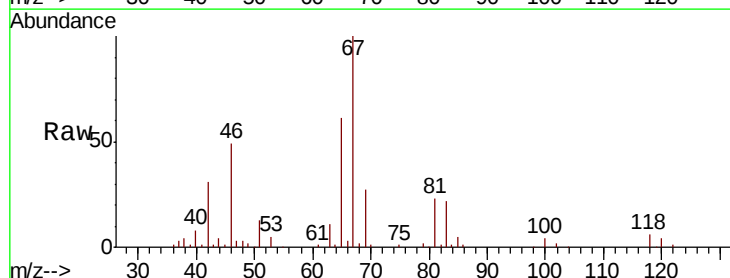
Tgt Ion: 83 Resp: 15811

Ion Ratio Lower Upper

83 100

55 0.4 61.1 91.7#

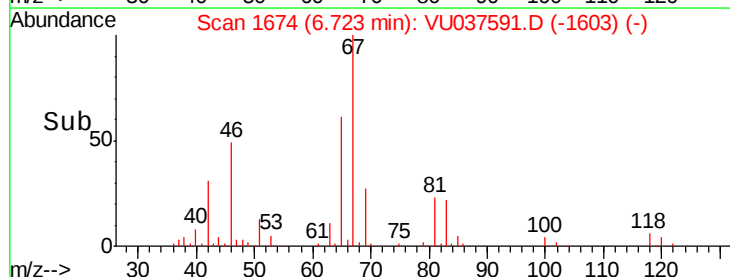
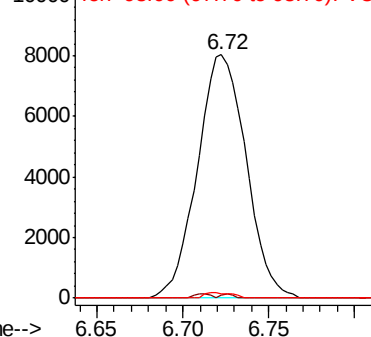
98 0.0 35.3 52.9#

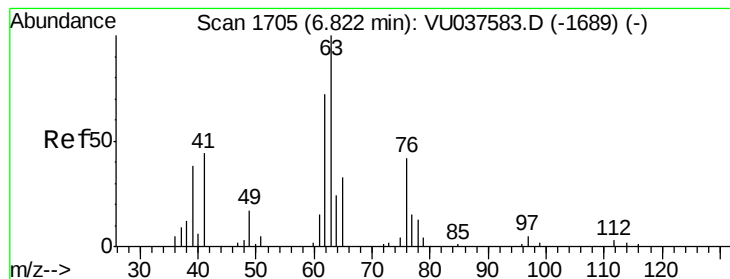


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 6.537 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037591.D

Acq: 06 Apr 2020 15:31

Instrument :

MSVOA_U

ClientSampleId :

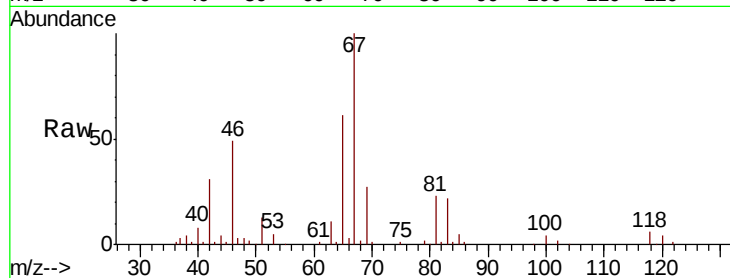
C0EZ1DL

Tot Ion: 63 Resp: 7793

Ion Ratio Lower Upper

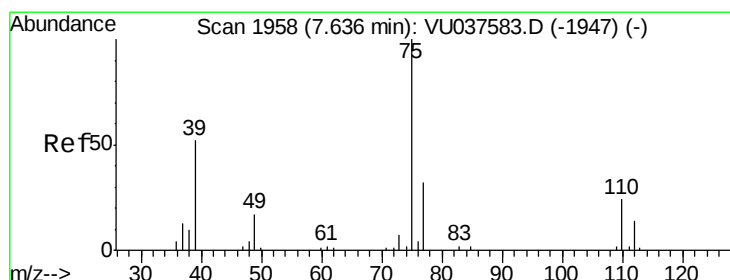
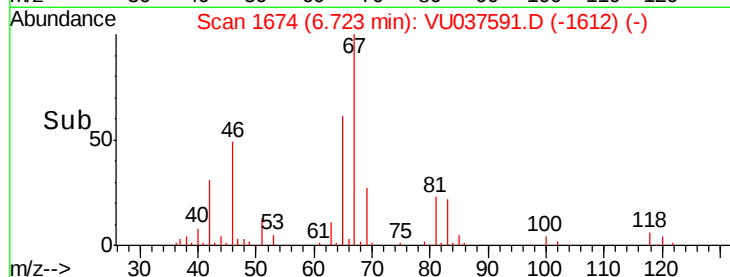
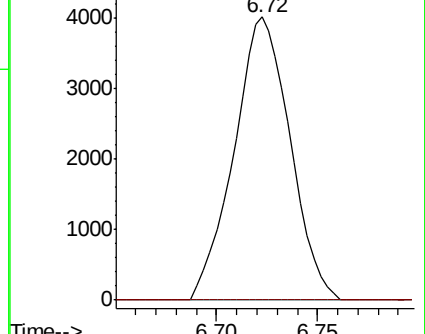
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU037583.D (-1689) (-)

Ion 112.00 (111.70 to 112.70): VU037583.D (-1689) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.353 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU037591.D

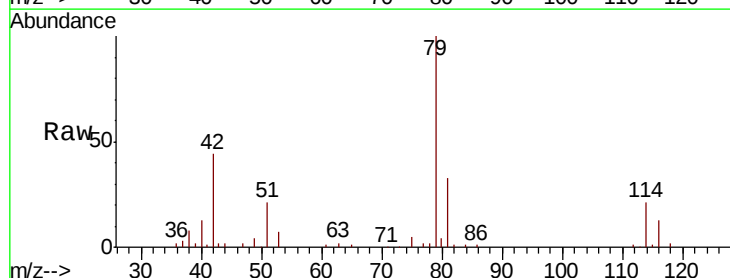
Acq: 06 Apr 2020 15:31

Tgt Ion: 75 Resp: 2519

Ion Ratio Lower Upper

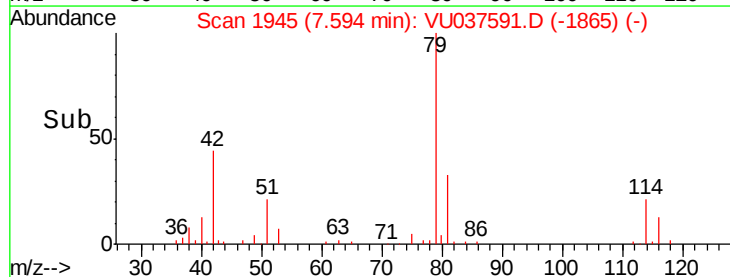
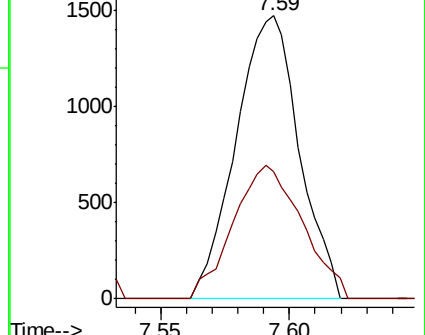
75 100

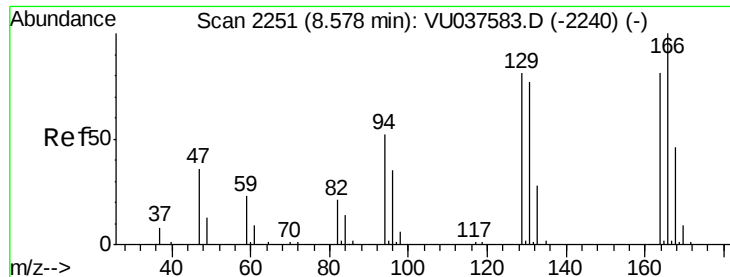
77 44.8 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VU037583.D (-1947) (-)

Ion 77.00 (76.70 to 77.70): VU037583.D (-1947) (-)

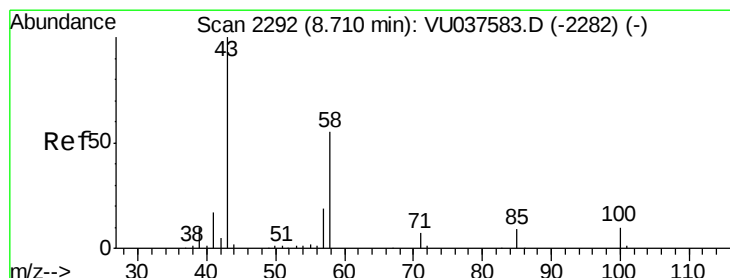
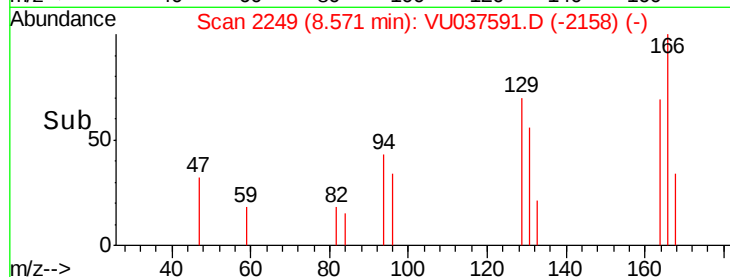
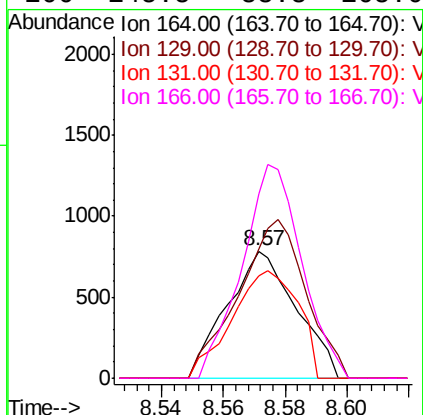
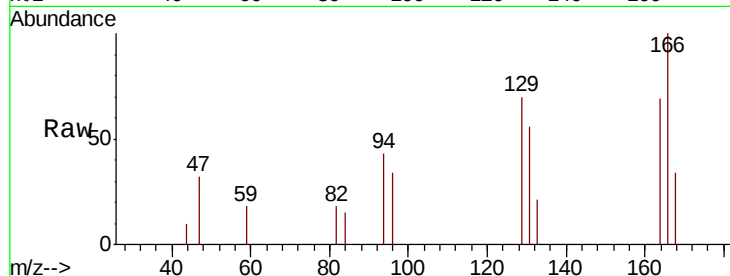




#46
Tetrachloroethene
Concen: 1.650 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.01 min
Lab File: VU037591.D
Acq: 06 Apr 2020 15:31

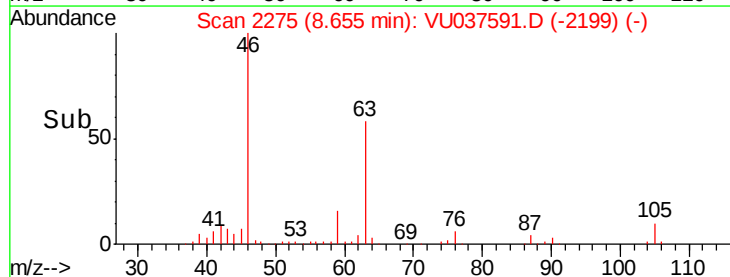
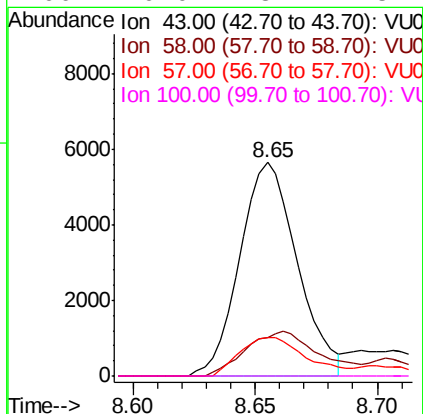
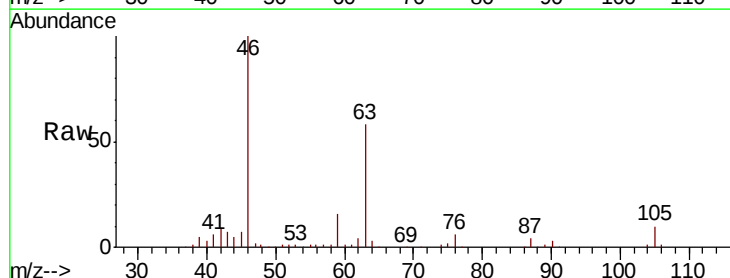
Instrument :
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C0EZ1DL

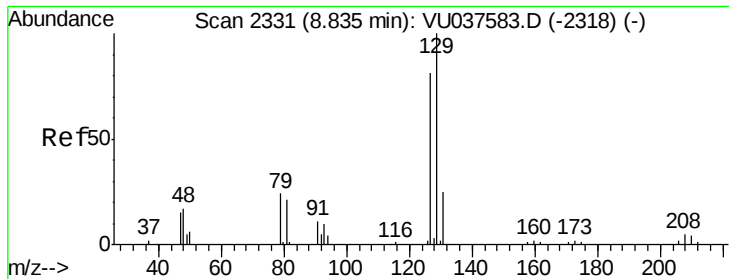
Tot Ion:	164	Resp:	1212
Ion	Ratio	Lower	Upper
164	100		
129	101.7	76.5	142.1
131	81.2	71.7	133.1
166	145.5	88.8	165.0



#48
2-Hexanone
Concen: 6.142 ug/L
RT: 8.65 min Scan# 2275
Delta R.T. -0.05 min
Lab File: VU037591.D
Acq: 06 Apr 2020 15:31

Tgt Ion:	43	Resp:	9239
Ion	Ratio	Lower	Upper
43	100		
58	26.8	44.4	66.6#
57	20.7	15.1	22.7
100	0.0	8.7	13.1#

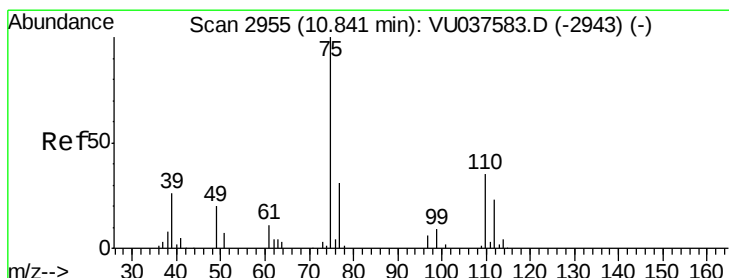
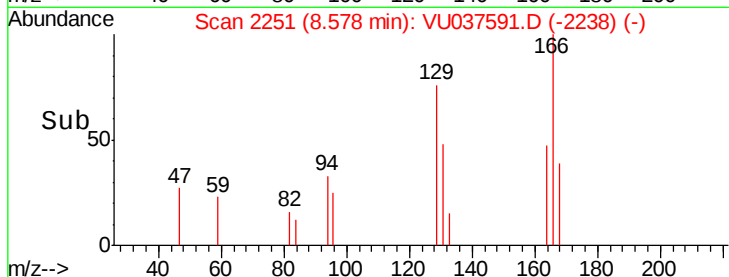
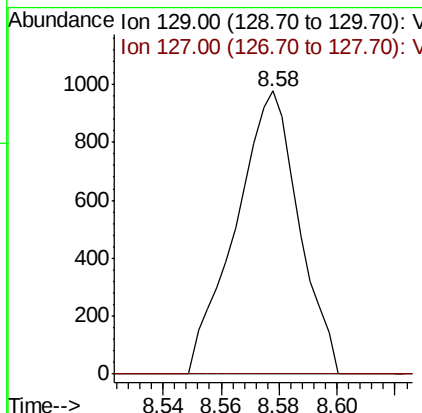
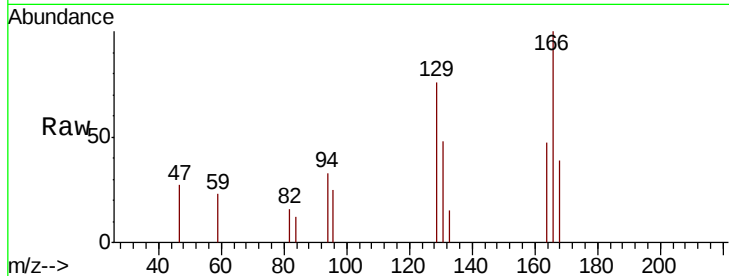




#49
 Dibromochloromethane
 Concen: 1.218 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.26 min
 Lab File: VU037591.D
 Acq: 06 Apr 2020 15:31

Instrument :
 MSVOA_U
 ClientSampled :
 C0EZ1DL

Tot Ion:129 Resp: 1479
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.0 102.2#



#59
 1,2,3-Trichloropropane
 Concen: 7.256 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.98 min
 Lab File: VU037591.D
 Acq: 06 Apr 2020 15:31

Tgt Ion: 75 Resp: 11119
 Ion Ratio Lower Upper
 75 100
 77 37.6 25.5 38.3

