

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031320\
 Data File : VU037243.D
 Acq On : 13 Mar 2020 15:42
 Operator : JC/MD
 Sample : L1891-05DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 14 00:26:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 14 00:24:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	129191	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	127210	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	58751	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	43300	5.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.00%
7) Chloroethane-d5	1.93	69	36129	6.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.60%
11) 1,1-Dichloroethene-d2	2.59	63	60393	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	4.67	46	113311	52.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.44%
24) Chloroform-d	5.11	84	83039	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.74	65	50357	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.76	84	157115	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.73	67	49535	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.92	98	143314	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	8.20	79	20914	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.66	63	91850	54.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.08%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	39853	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	52909	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

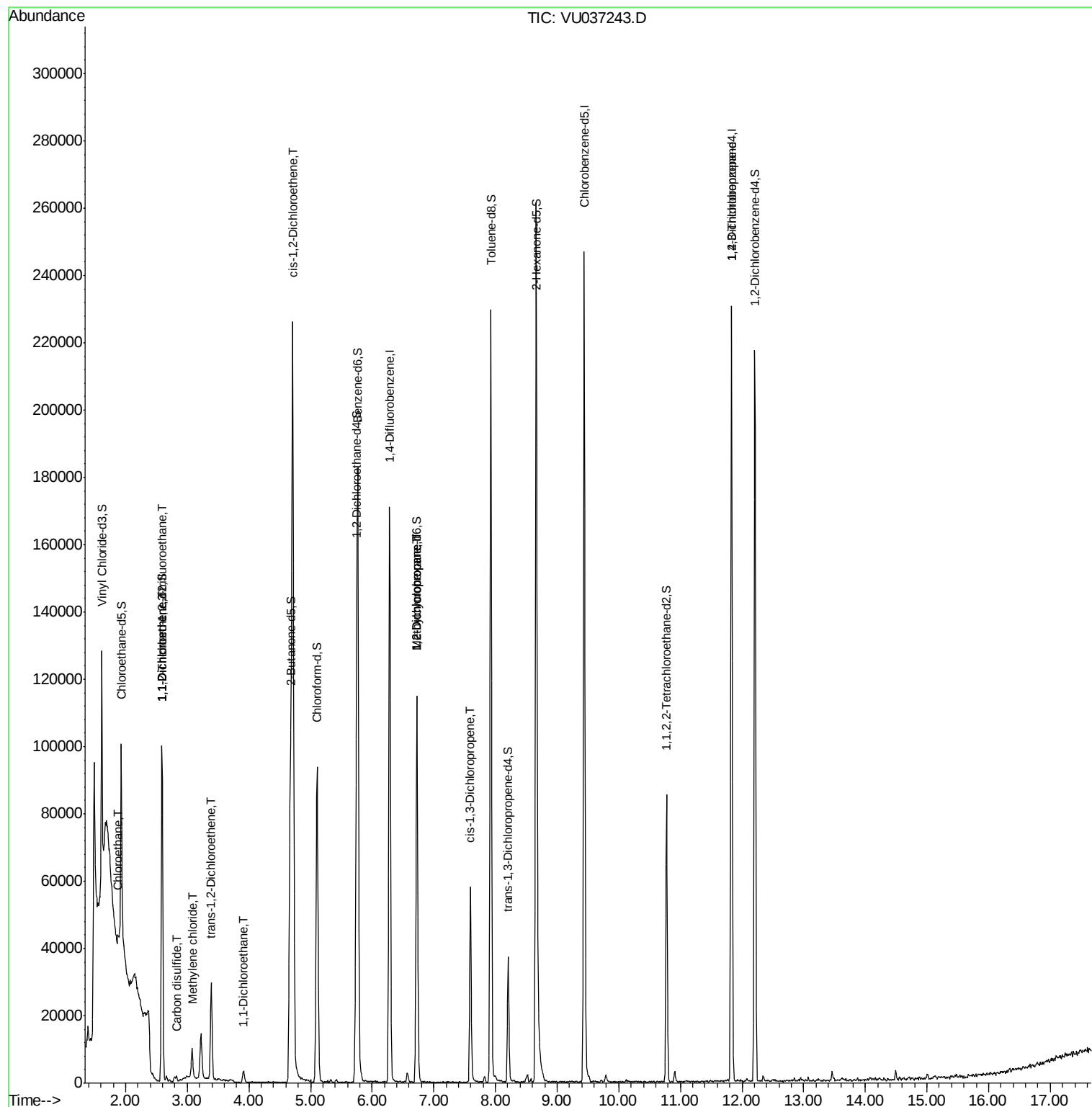
					Ovalue
8) Chloroethane	1.87	64	1130	0.173 ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1104	0.118 ug/L #	50
12) 1,1-Dichloroethene	2.60	96	1639	0.194 ug/L #	1
14) Carbon disulfide	2.83	76	2272	0.081 ug/L	99
16) Methylene chloride	3.08	84	4009	0.396 ug/L	91
18) trans-1,2-Dichloroethene	3.39	96	11040	1.238 ug/L	93
19) 1,1-Dichloroethane	3.91	63	3790	0.210 ug/L	90
22) cis-1,2-Dichloroethene	4.71	96	104614	10.662 ug/L	95
35) Methylcyclohexane	6.73	83	11534	0.735 ug/L #	15
37) 1,2-Dichloropropane	6.73	63	6564	0.663 ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	1869	0.132 ug/L #	66
59) 1,2,3-Trichloropropane	11.83	75	7869	1.111 ug/L	92

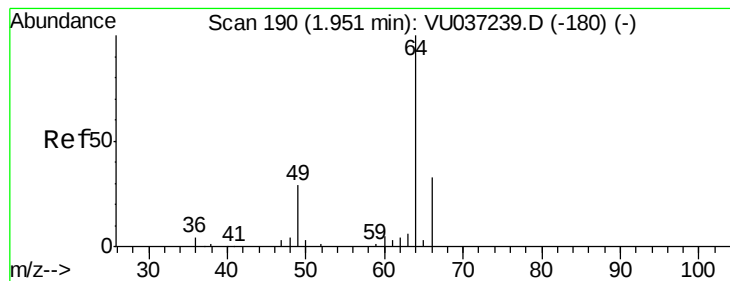
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.173 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.08 min

Lab File: VU037243.D

Acq: 13 Mar 2020 15:42

Instrument :

MSVOA_U

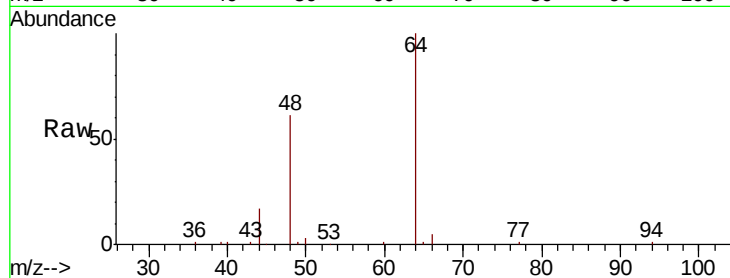
ClientSampled :

Tot Ion: 64 Resp: 1130

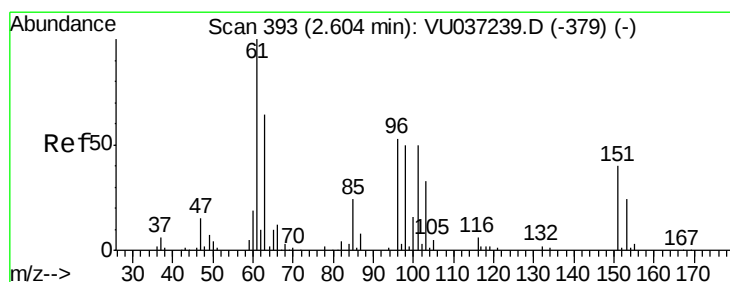
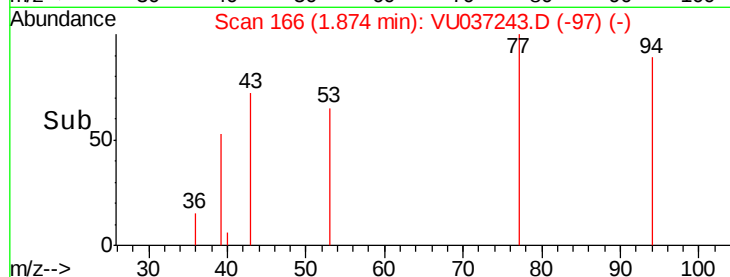
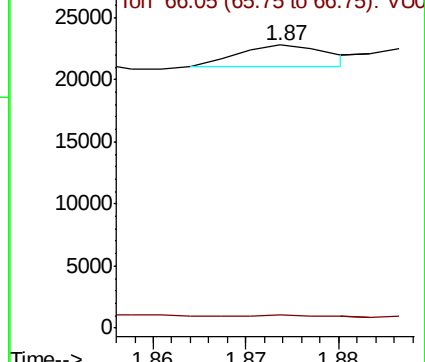
Ion Ratio Lower Upper

64 100

66 4.6 22.0 40.8#



Abundance Ion 64.10 (63.80 to 64.80): VU037243.D (-180) (-)



#10

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

Concen: 0.118 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037243.D

Acq: 13 Mar 2020 15:42

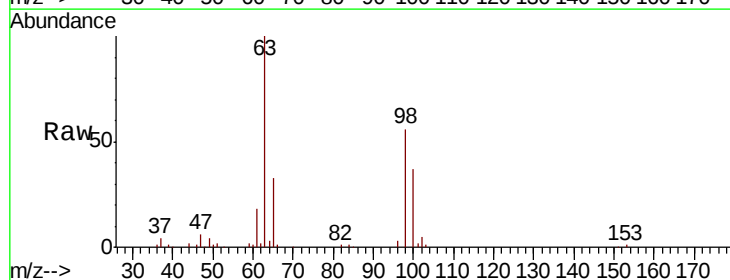
Tgt Ion: 101 Resp: 1104

Ion Ratio Lower Upper

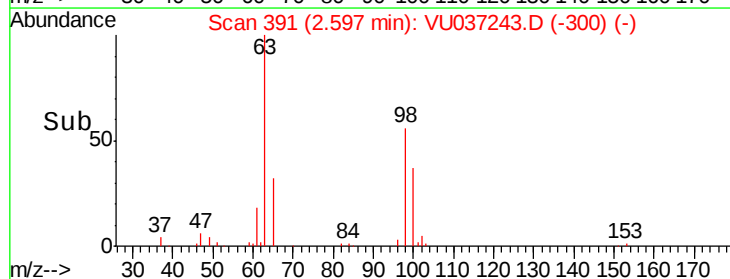
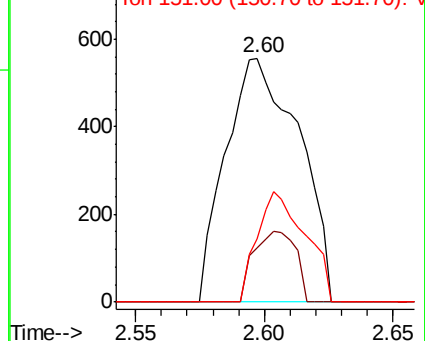
101 100

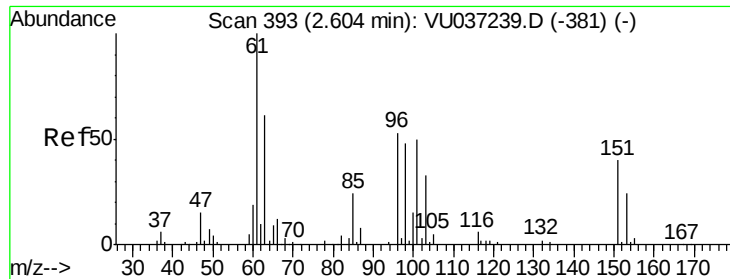
85 16.6 37.5 56.3#

151 29.7 59.8 89.6#



Abundance Ion 101.00 (100.70 to 101.70): VU037243.D (-379) (-)





#12

1,1-Dichloroethene

Concen: 0.194 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037243.D

Acq: 13 Mar 2020 15:42

Instrument :

MSVOA_U

ClientSampleId :

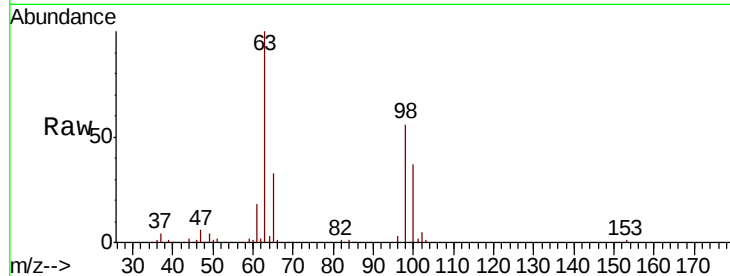
Tot Ion: 96 Resp: 1639

Ion Ratio Lower Upper

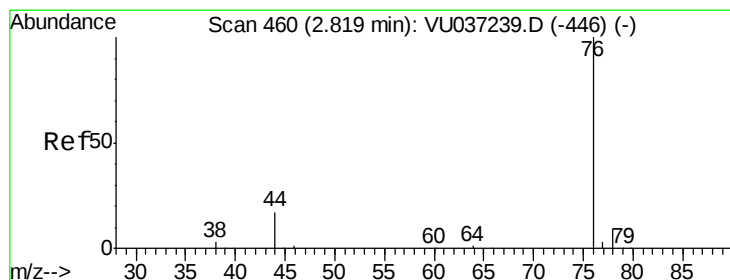
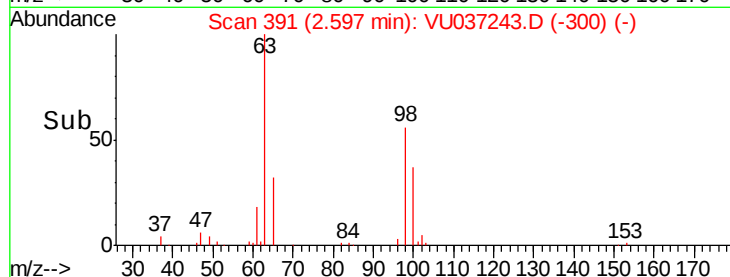
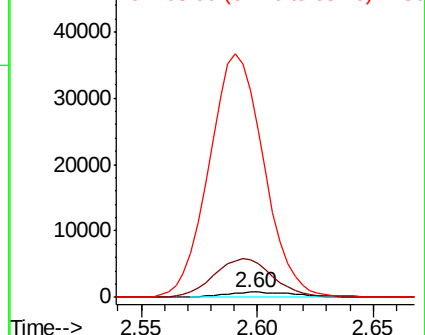
96 100

61 708.1 136.4 253.2#

63 3894.0 86.2 160.0#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 63.00 (62.70 to 63.70): VU0



#14

Carbon disulfide

Concen: 0.081 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.01 min

Lab File: VU037243.D

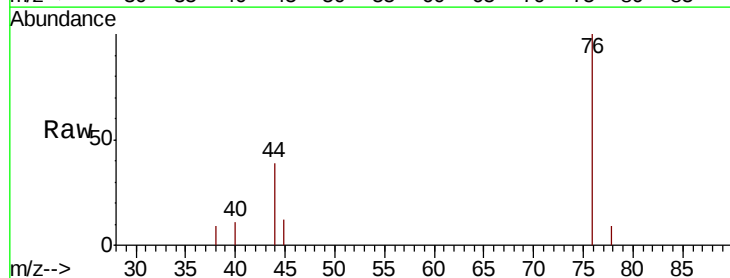
Acq: 13 Mar 2020 15:42

Tgt Ion: 76 Resp: 2272

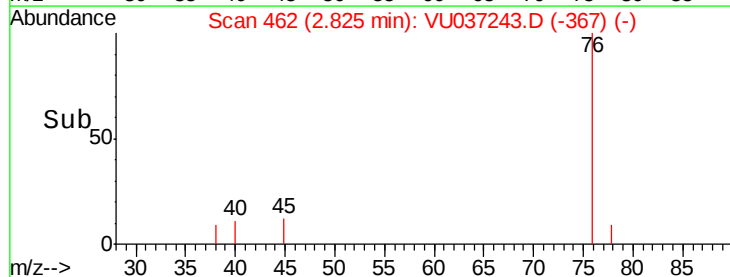
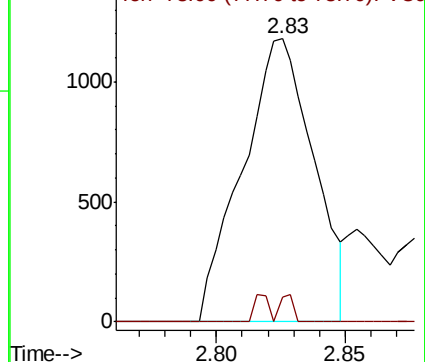
Ion Ratio Lower Upper

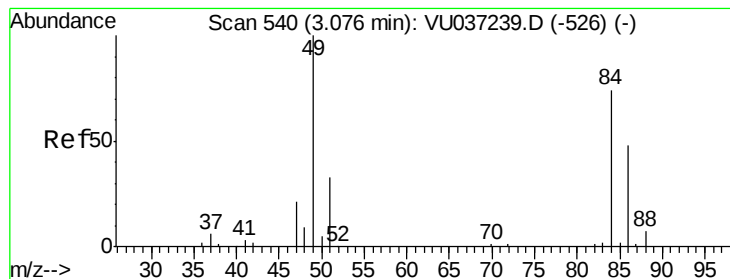
76 100

78 8.9 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU0
Ion 78.00 (77.70 to 78.70): VU0





#16

Methylene chloride

Concen: 0.396 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU037243.D

Acq: 13 Mar 2020 15:42

Instrument :

MSVOA_U

ClientSampleId :

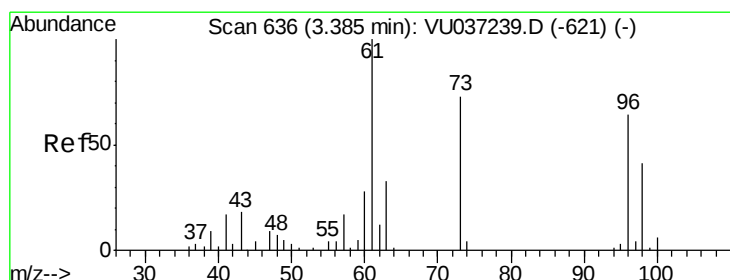
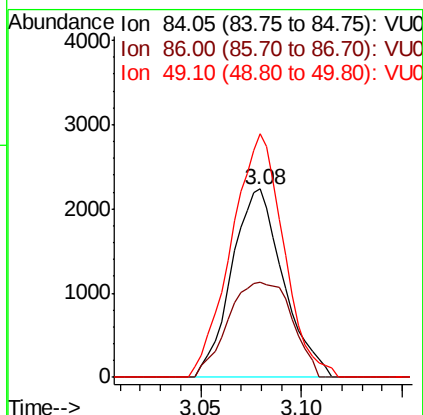
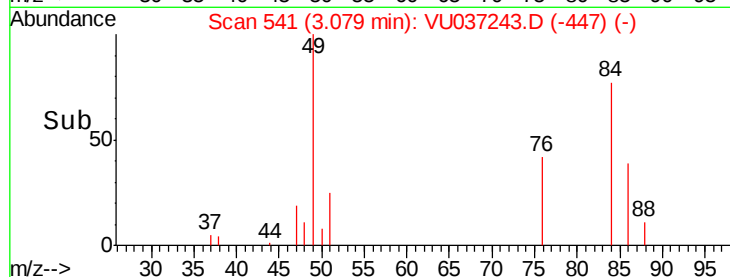
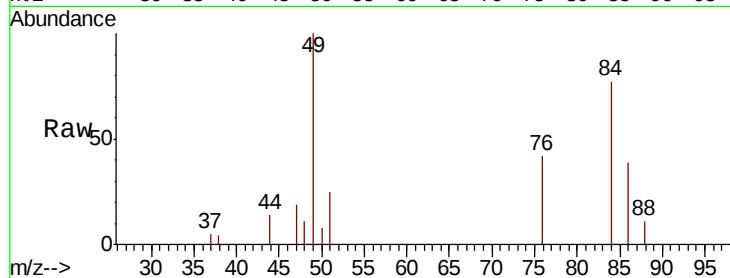
Tot Ion: 84 Resp: 4009

Ion Ratio Lower Upper

84 100

86 50.6 44.3 82.3

49 129.2 95.3 177.1



#18

trans-1,2-Dichloroethene

Concen: 1.238 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037243.D

Acq: 13 Mar 2020 15:42

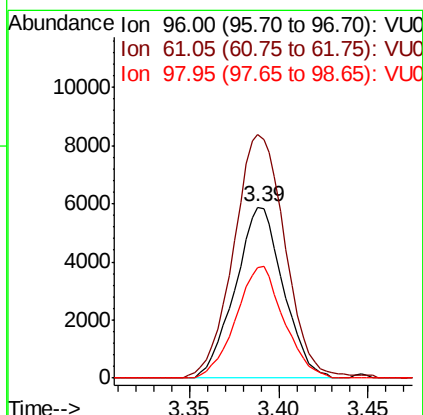
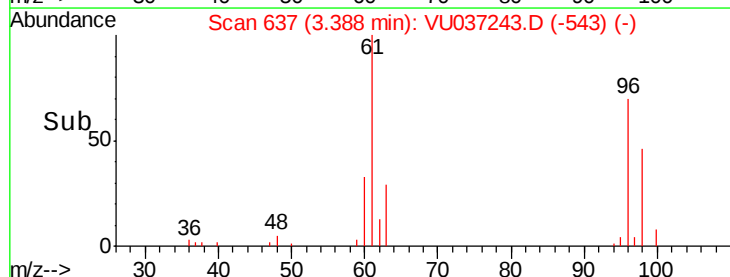
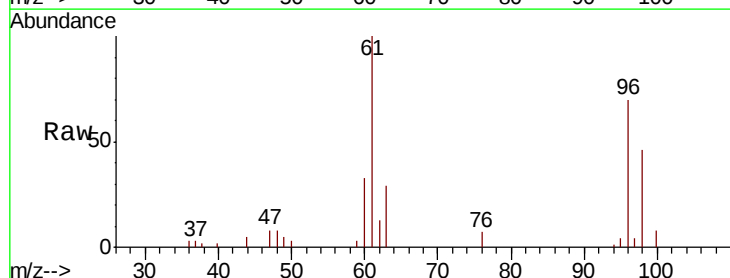
Tgt Ion: 96 Resp: 11040

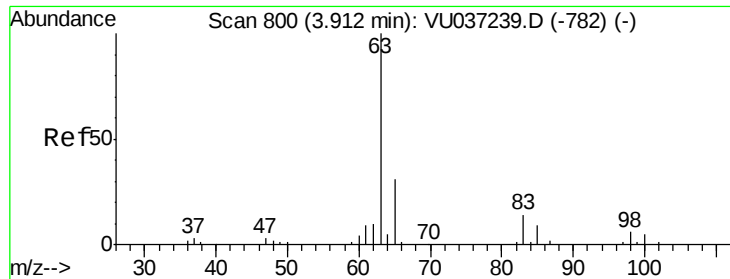
Ion Ratio Lower Upper

96 100

61 142.5 107.2 199.2

98 65.0 43.6 81.0

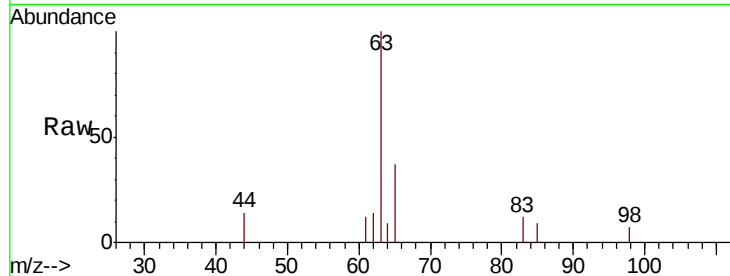




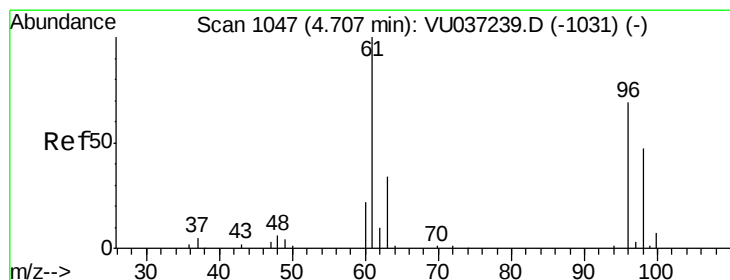
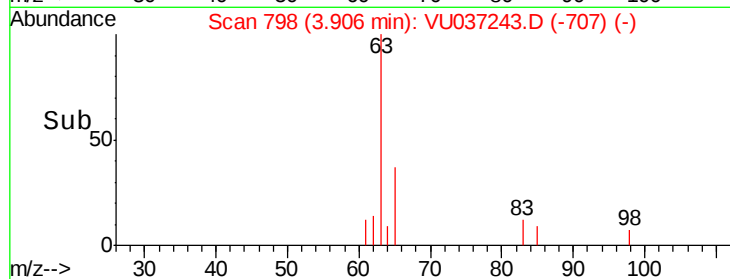
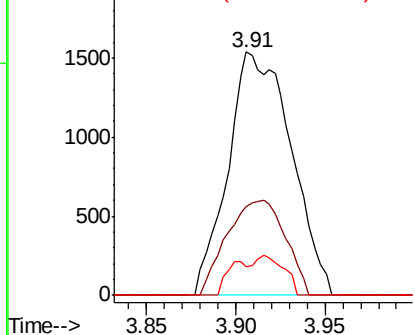
#19
 1,1-Dichloroethane
 Concen: 0.210 ug/L
 RT: 3.91 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: VU037243.D
 Acq: 13 Mar 2020 15:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 3790
 Ion Ratio Lower Upper
 63 100
 65 36.5 21.3 39.5
 83 11.7 10.0 18.6

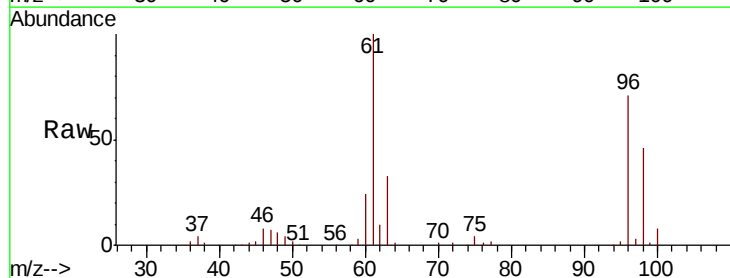


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

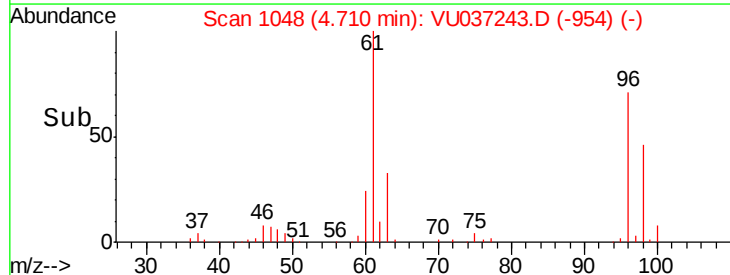
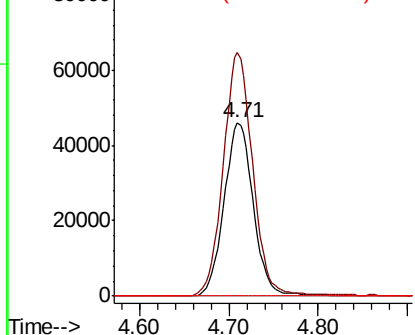


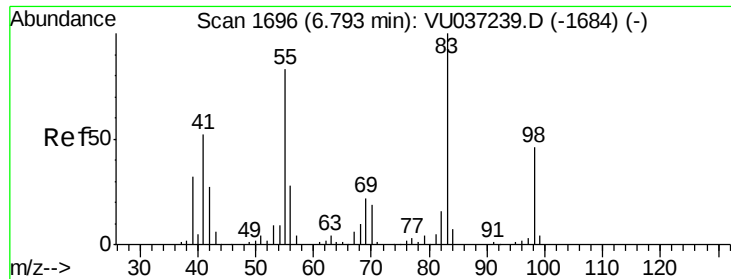
#22
 cis-1,2-Dichloroethene
 Concen: 10.662 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037243.D
 Acq: 13 Mar 2020 15:42

Tgt Ion: 96 Resp: 104614
 Ion Ratio Lower Upper
 96 100
 61 140.4 94.1 174.8
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

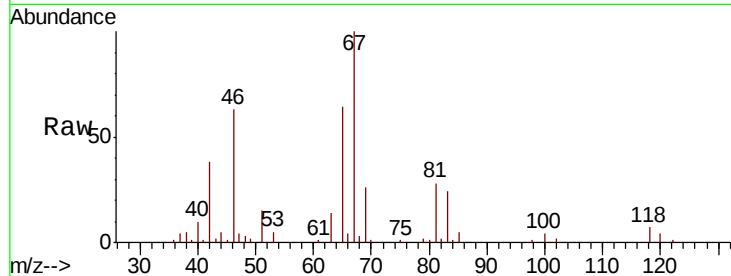




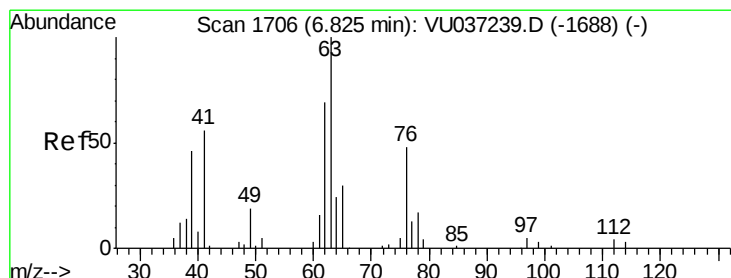
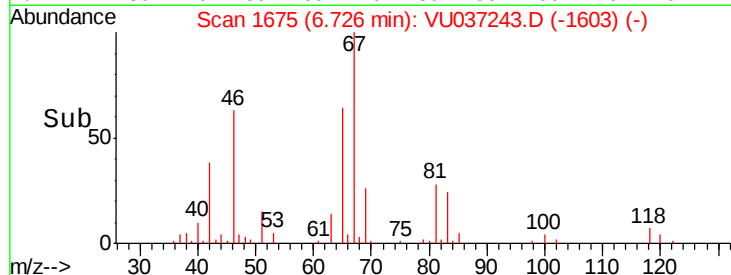
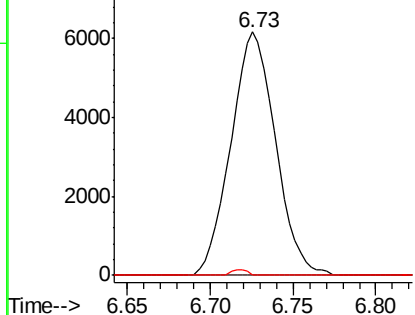
#35
Methvlcvclohexane
Concen: 0.735 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.07 min
Lab File: VU037243.D
Acq: 13 Mar 2020 15:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 11534
Ion Ratio Lower Upper
83 100
55 0.0 68.1 102.1#
98 0.8 37.0 55.4#

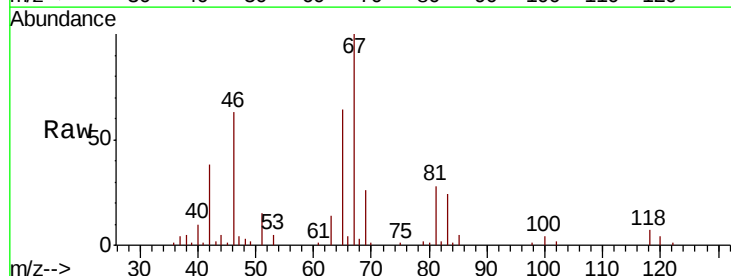


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

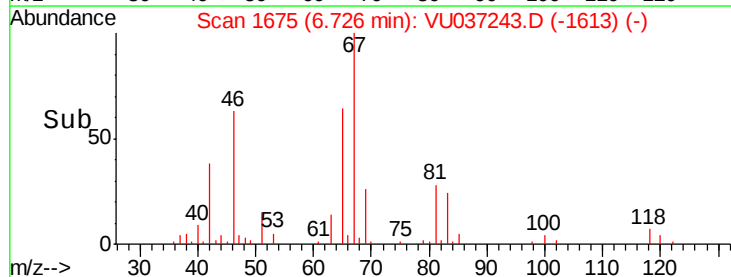
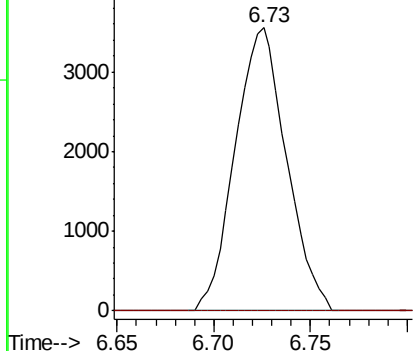


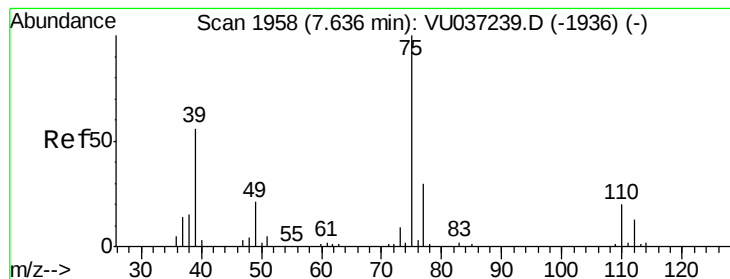
#37
1,2-Dichloropropane
Concen: 0.663 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.10 min
Lab File: VU037243.D
Acq: 13 Mar 2020 15:42

Tgt Ion: 63 Resp: 6564
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



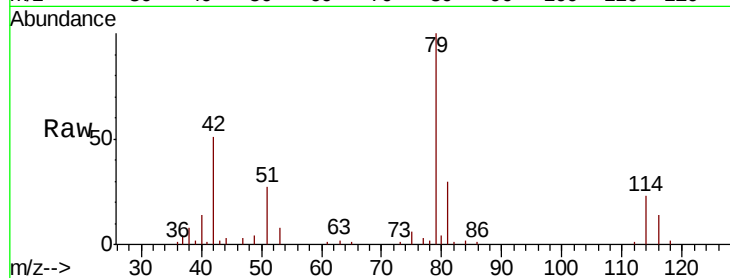


#39

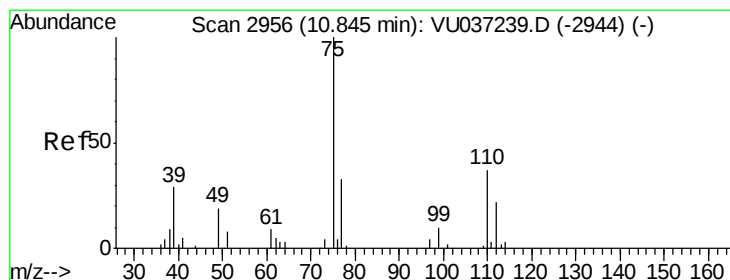
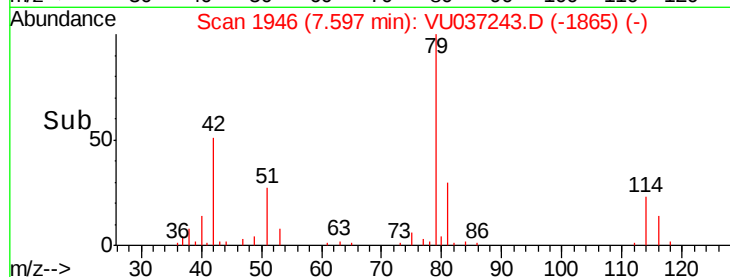
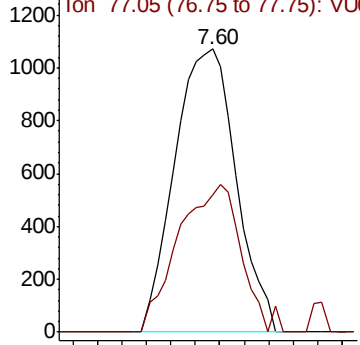
cis-1,3-Dichloropropene
Concen: 0.132 ug/L
RT: 7.60 min Scan# 1946
Delta R.T. -0.04 min
Lab File: VU037243.D
Acq: 13 Mar 2020 15:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 1869
Ion Ratio Lower Upper
75 100
77 48.4 21.1 39.1#



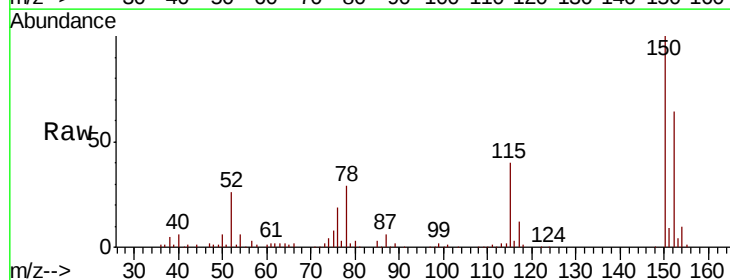
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane
Concen: 1.111 ug/L
RT: 11.83 min Scan# 3262
Delta R.T. 0.98 min
Lab File: VU037243.D
Acq: 13 Mar 2020 15:42

Tgt Ion: 75 Resp: 7869
Ion Ratio Lower Upper
75 100
77 38.7 27.4 41.0



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

