

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033120\
 Data File : VU037506.D
 Acq On : 31 Mar 2020 19:33
 Operator : JC/MD
 Sample : L2002-13DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 01 01:28:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR033120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 01 01:25:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	88355	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	83550	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	41649	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	24275	3.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.80%
7) Chloroethane-d5	1.91	69	20602	3.68	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.60%
11) 1,1-Dichloroethene-d2	2.58	63	35363	2.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.00%#
20) 2-Butanone-d5	4.67	46	94821	47.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.40%
24) Chloroform-d	5.10	84	51732	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
26) 1,2-Dichloroethane-d4	5.74	65	29253	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
32) Benzene-d6	5.76	84	102205	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.72	67	34561	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.20%
41) Toluene-d8	7.92	98	88590	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.40%
43) trans-1,3-Dichloropropene-	8.20	79	14776	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.66	63	85226	51.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.86%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	31150	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	33932	4.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.20%

Target Compounds

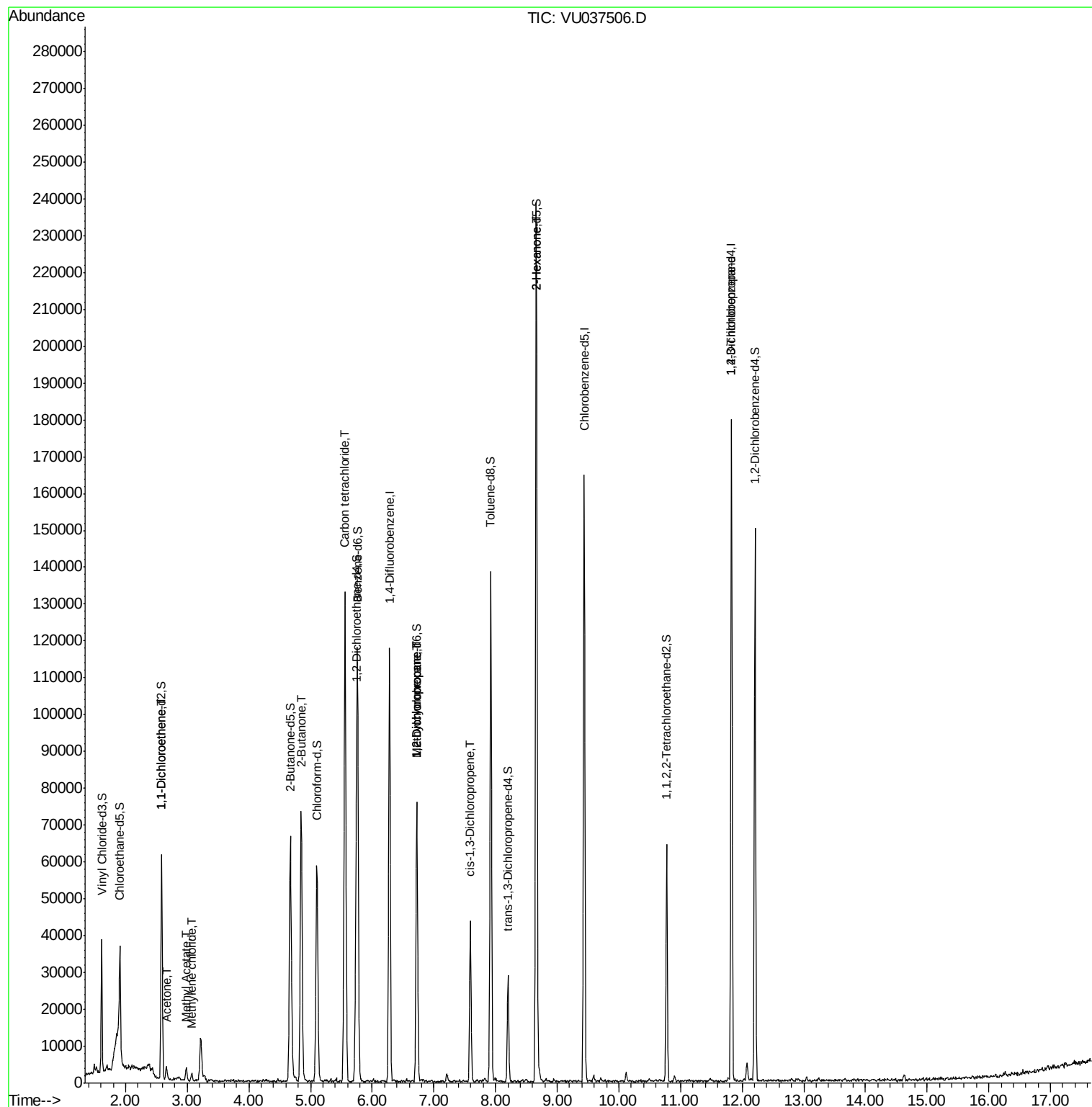
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.58	96	400	0.068	ug/L #	1
13) Acetone	2.66	43	4314	3.835	ug/L	90
15) Methyl Acetate	2.98	43	5038	1.644	ug/L	96
16) Methylene chloride	3.08	84	830	0.126	ug/L #	70
21) 2-Butanone	4.85	43	97074	49.059	ug/L #	48
31) Carbon tetrachloride	5.56	117	83885	9.603	ug/L	99
35) Methylcyclohexane	6.72	83	7782	0.686	ug/L #	17
37) 1,2-Dichloropropane	6.73	63	4030	0.584	ug/L #	89
39) cis-1,3-Dichloropropene	7.59	75	1079	0.101	ug/L #	52
48) 2-Hexanone	8.66	43	9985	2.692	ug/L #	66
59) 1,2,3-Trichloropropane	11.83	75	6276	1.323	ug/L #	87

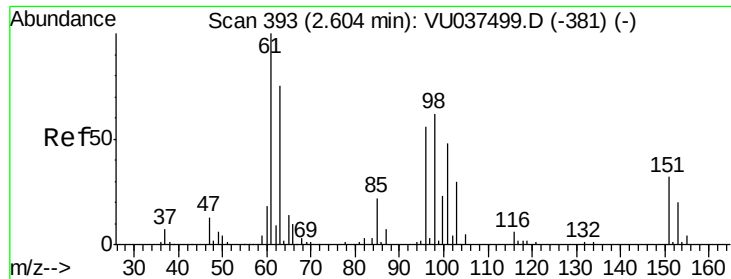
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.068 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.02 min

Lab File: VU037506.D

Acq: 31 Mar 2020 19:33

Instrument :

MSVOA_U

ClientSampleId :

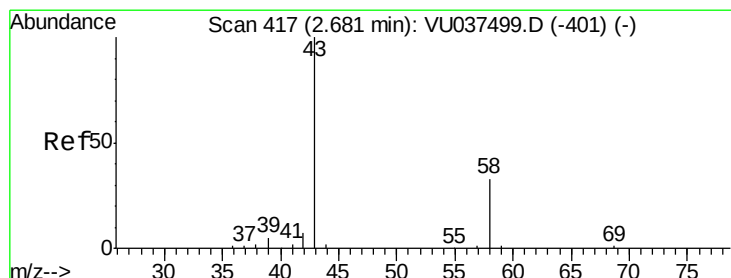
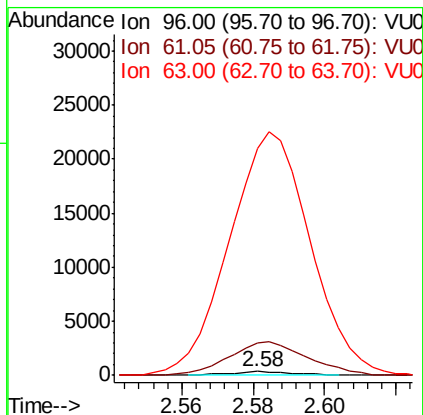
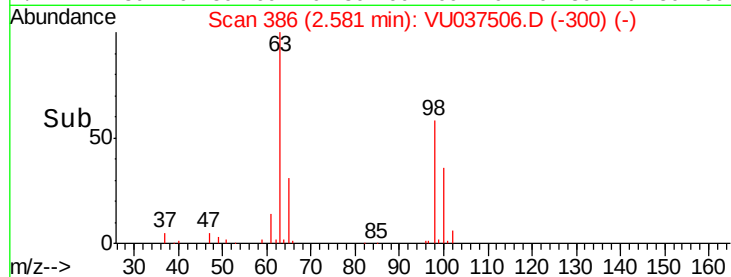
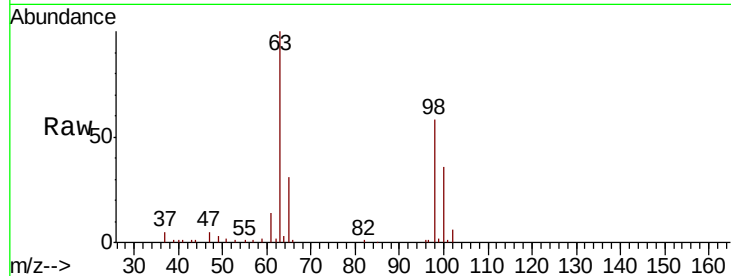
Tot Ion: 96 Resp: 400

Ion Ratio Lower Upper

96 100

61 872.2 116.2 215.8#

63 6138.0 79.2 147.0#



#13

Acetone

Concen: 3.835 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU037506.D

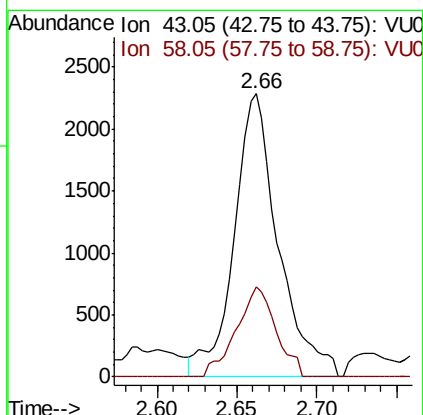
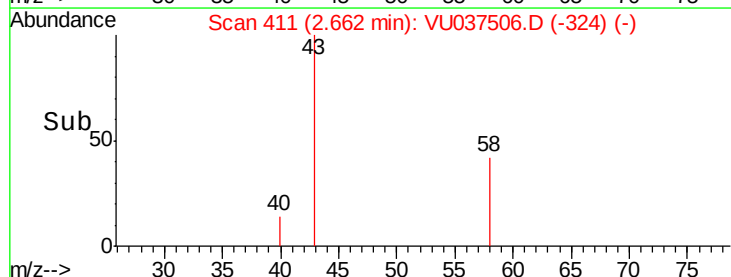
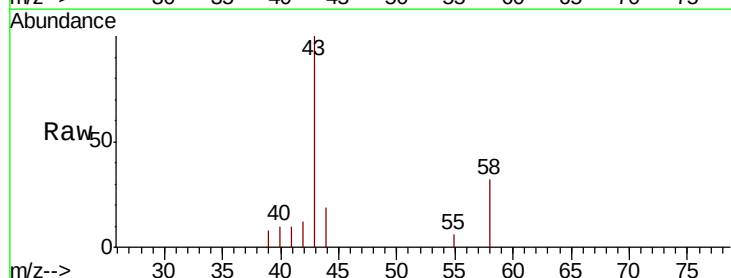
Acq: 31 Mar 2020 19:33

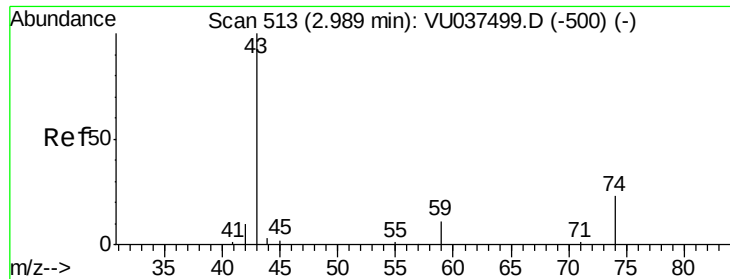
Tgt Ion: 43 Resp: 4314

Ion Ratio Lower Upper

43 100

58 28.5 0.0 68.2

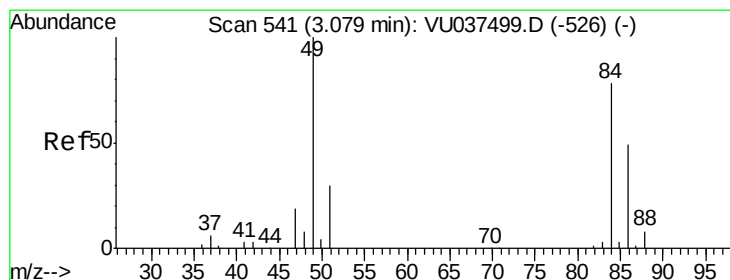
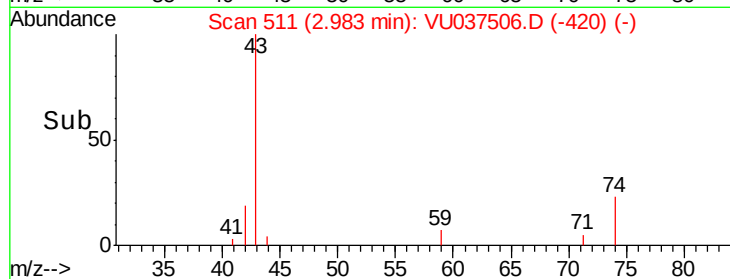
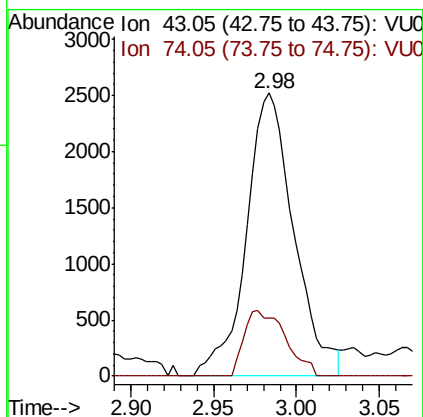
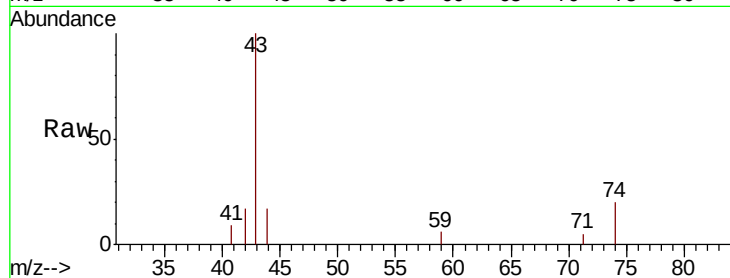




#15
Methvl Acetate
Concen: 1.644 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.01 min
Lab File: VU037506.D
Acq: 31 Mar 2020 19:33

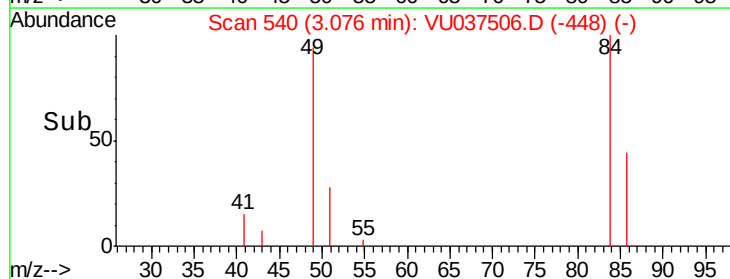
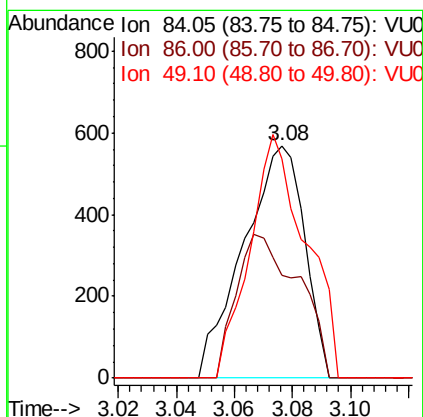
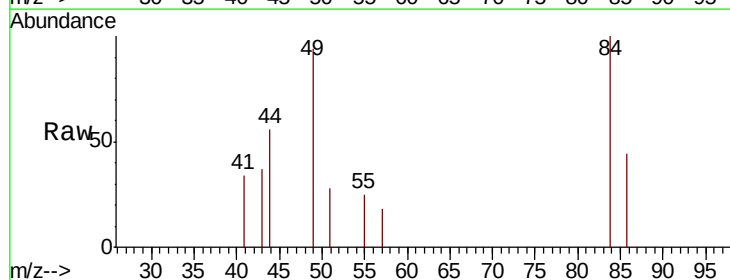
Instrument :
MSVOA_U
ClientSampleId :

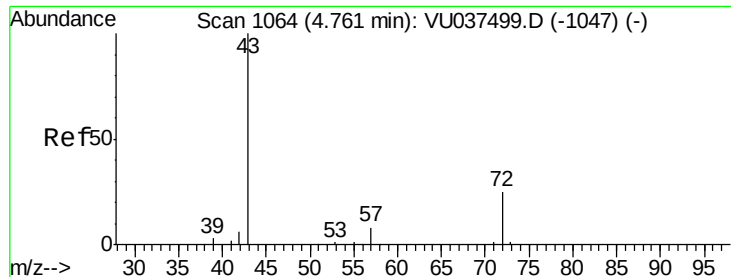
Tot Ion: 43 Resp: 5038
Ion Ratio Lower Upper
43 100
74 20.3 17.9 26.9



#16
Methylene chloride
Concen: 0.126 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037506.D
Acq: 31 Mar 2020 19:33

Tgt Ion: 84 Resp: 830
Ion Ratio Lower Upper
84 100
86 43.9 44.7 82.9#
49 94.2 92.7 172.3





#21

2-Butanone

Concen: 49.059 ug/L

RT: 4.85 min Scan# 1091

Delta R.T. 0.09 min

Lab File: VU037506.D

Acq: 31 Mar 2020 19:33

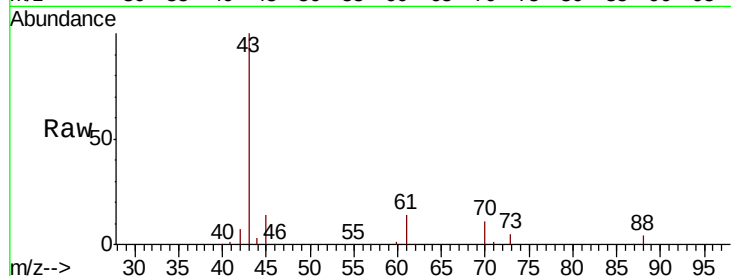
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 97074

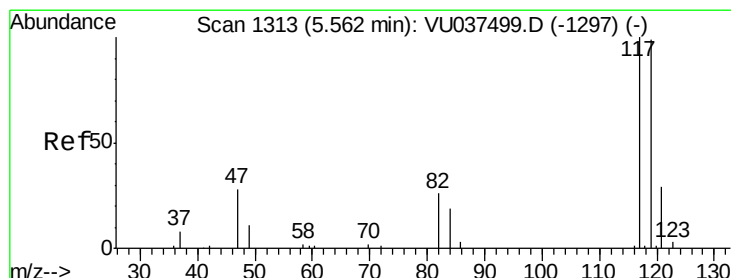
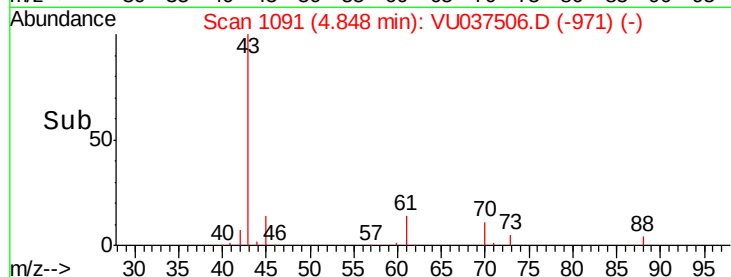
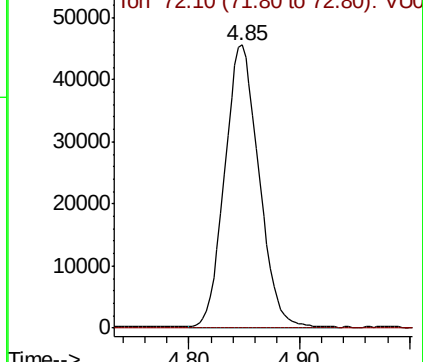
Ion Ratio Lower Upper

43 100

72 0.0 13.7 41.0#



Abundance Ion 43.05 (42.75 to 43.75): VU037506.D (-971) (-)



#31

Carbon tetrachloride

Concen: 9.603 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037506.D

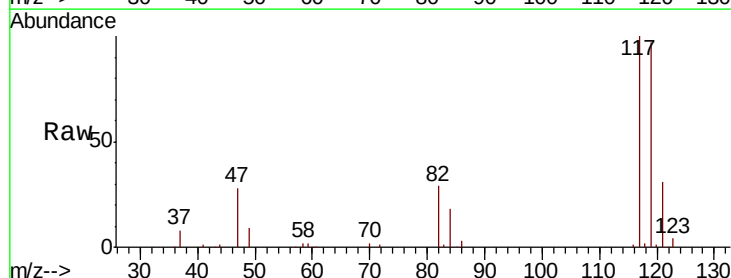
Acq: 31 Mar 2020 19:33

Tgt Ion: 117 Resp: 83885

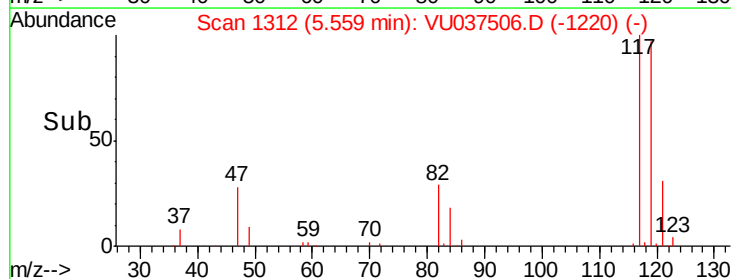
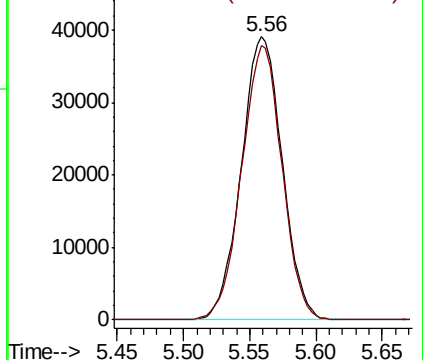
Ion Ratio Lower Upper

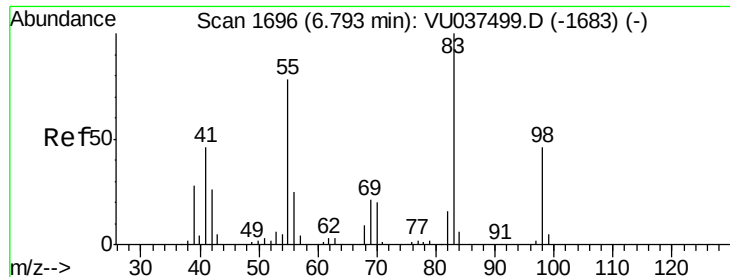
117 100

119 95.5 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): VU037506.D (-1220) (-)

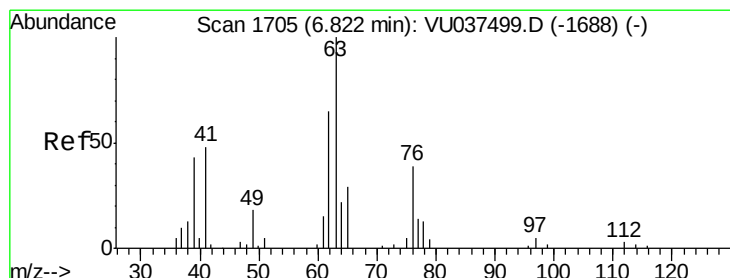
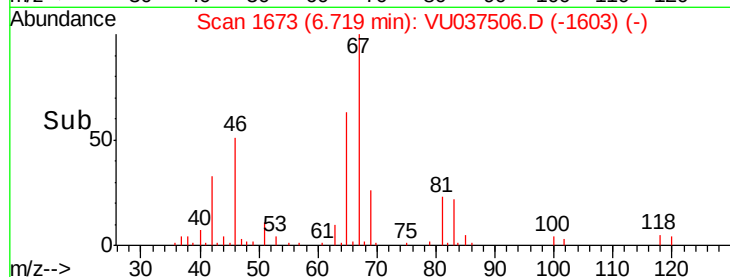
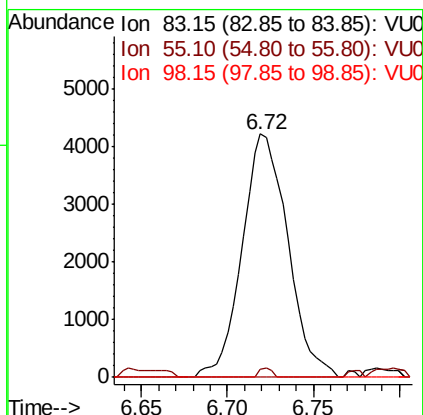
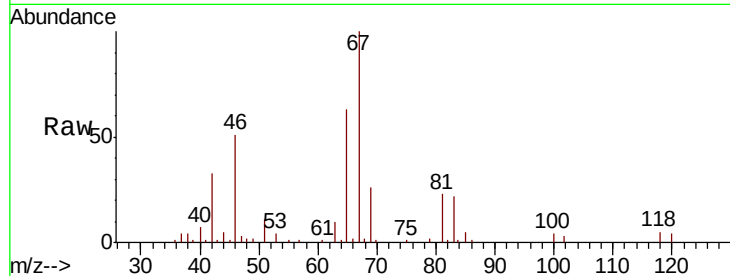




#35
Methylcyclohexane
Concen: 0.686 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU037506.D
Acq: 31 Mar 2020 19:33

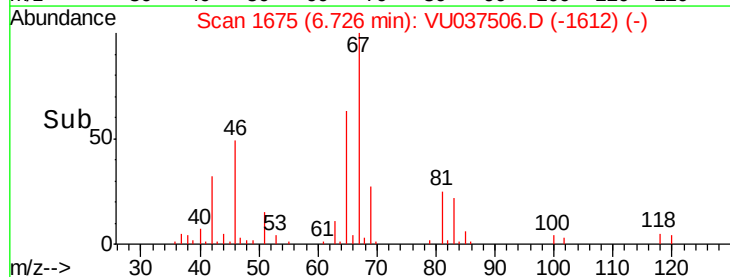
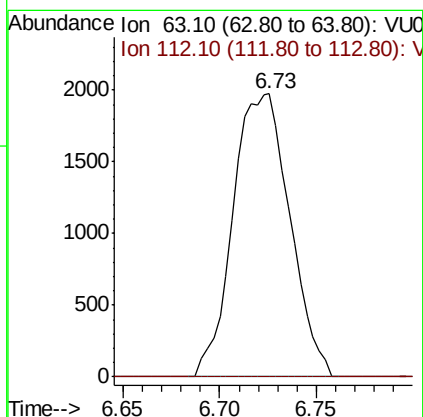
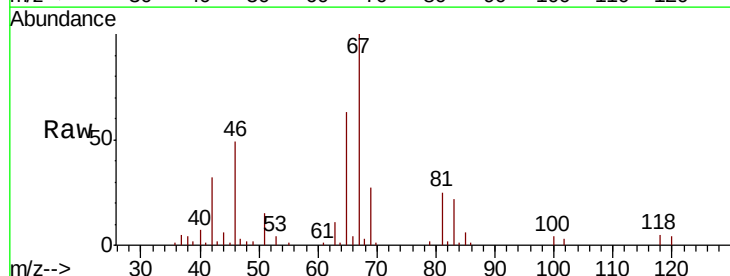
Instrument :
MSVOA_U
ClientSampled :

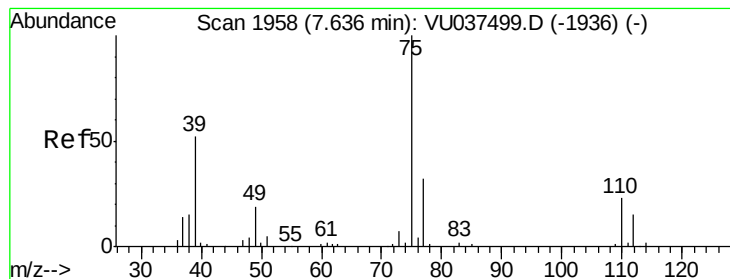
Tot Ion: 83 Resp: 7782
Ion Ratio Lower Upper
83 100
55 1.0 64.4 96.6#
98 0.0 38.2 57.2#



#37
1,2-Dichloropropane
Concen: 0.584 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.10 min
Lab File: VU037506.D
Acq: 31 Mar 2020 19:33

Tgt Ion: 63 Resp: 4030
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2#



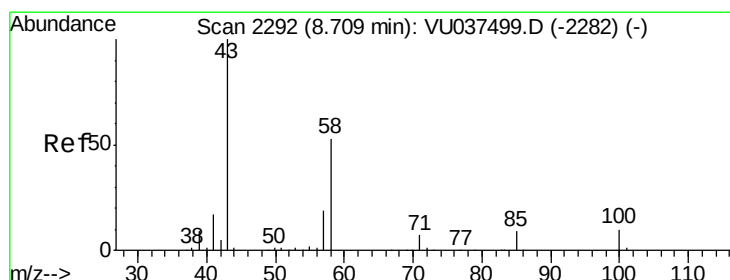
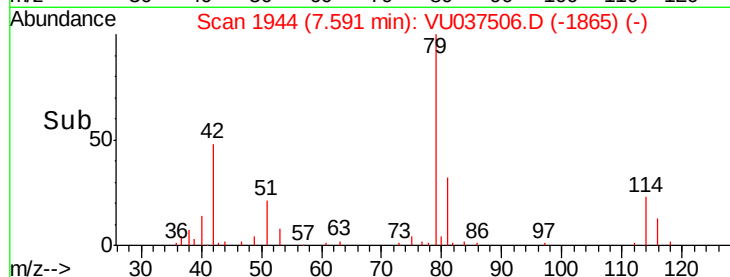
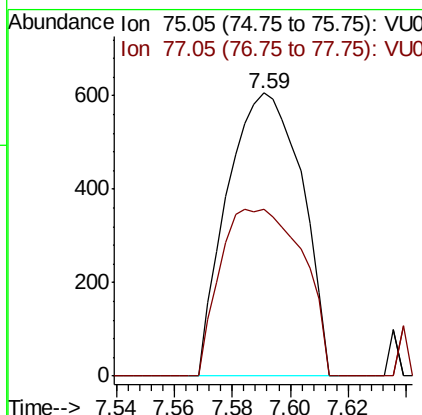
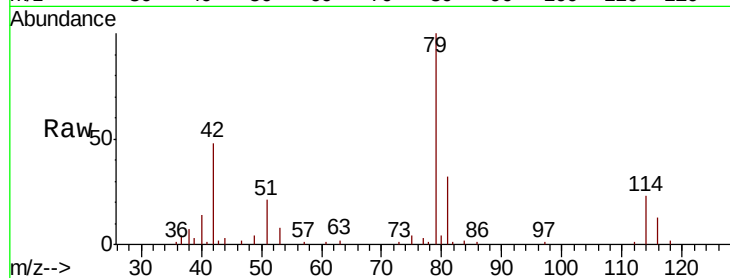


#39

cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037506.D
 Acq: 31 Mar 2020 19:33

Instrument :
 MSVOA_U
 ClientSampleId :

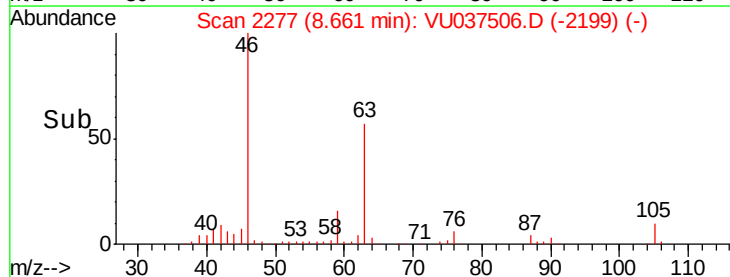
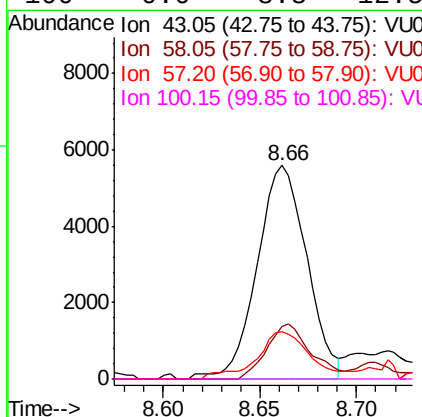
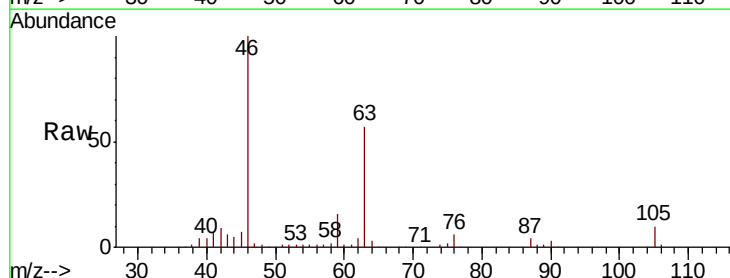
Tot Ion: 75 Resp: 1079
 Ion Ratio Lower Upper
 75 100
 77 58.7 22.4 41.6#

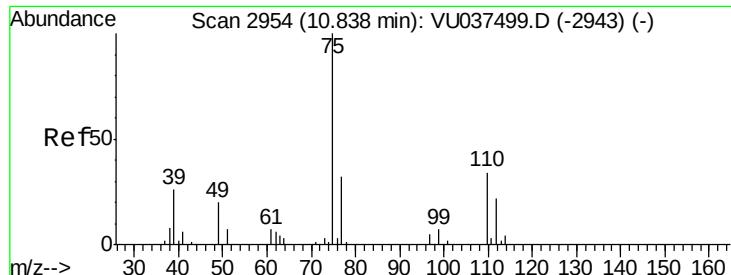


#48

2-Hexanone
 Concen: 2.692 ug/L
 RT: 8.66 min Scan# 2277
 Delta R.T. -0.05 min
 Lab File: VU037506.D
 Acq: 31 Mar 2020 19:33

Tgt Ion: 43 Resp: 9985
 Ion Ratio Lower Upper
 43 100
 58 22.8 43.4 65.0#
 57 23.6 14.9 22.3#
 100 0.0 8.3 12.5#





#59

1,2,3-Trichloropropane

Concen: 1.323 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU037506.D

Acq: 31 Mar 2020 19:33

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 6276

Ion Ratio Lower Upper

75 100

77 39.9 26.2 39.2#

