

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033020\
 Data File : VU037462.D
 Acq On : 30 Mar 2020 14:43
 Operator : JC/MD
 Sample : L2001-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 01:19:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Mar 31 01:16:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	94563	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	89708	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	43739	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	30560	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.93	69	28255	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	2.59	63	46106	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.67	46	100485	52.81	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.62%
24) Chloroform-d	5.10	84	58371	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	5.74	65	38053	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.76	84	126341	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.72	67	43630	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.92	98	113904	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	8.20	79	17145	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.66	63	88069	54.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.84%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	35172	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	42399	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

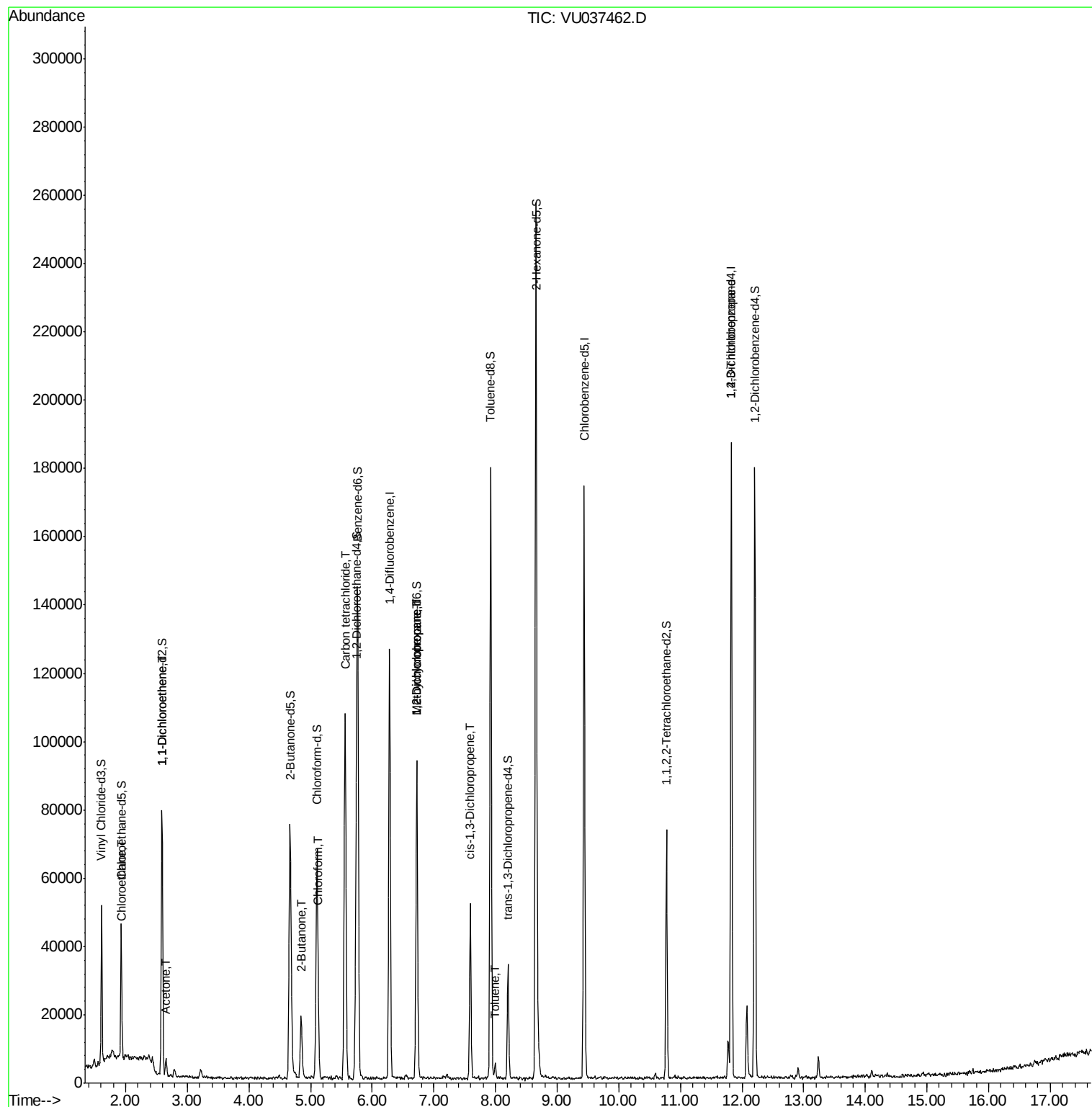
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	523	0.127	ug/L #	39
12) 1,1-Dichloroethene	2.60	96	382	0.061	ug/L #	1
13) Acetone	2.66	43	6015	5.502	ug/L	95
21) 2-Butanone	4.85	43	24071	12.952	ug/L #	47
25) Chloroform	5.13	83	6665	0.521	ug/L	99
31) Carbon tetrachloride	5.56	117	69844	7.174	ug/L	99
35) Methylcyclohexane	6.73	83	10365	0.866	ug/L #	20
37) 1,2-Dichloropropane	6.73	63	4863	0.708	ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	1359	0.121	ug/L #	51
42) Toluene	7.99	91	2927	0.102	ug/L	91
59) 1,2,3-Trichloropropane	11.83	75	6805	1.425	ug/L	95

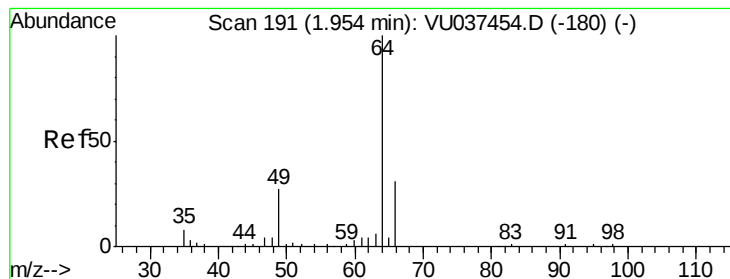
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 31 01:16:50 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.127 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.01 min

Lab File: VU037462.D

Acq: 30 Mar 2020 14:43

Instrument :

MSVOA_U

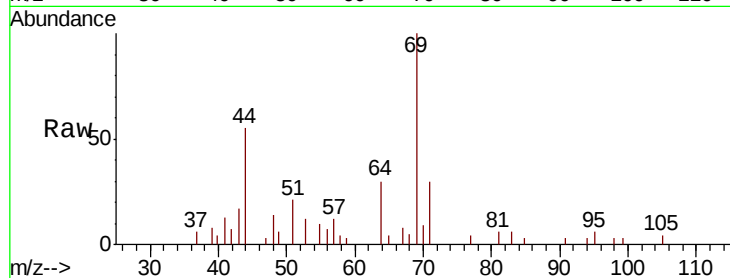
ClientSampleId :

Tot Ion: 64 Resp: 523

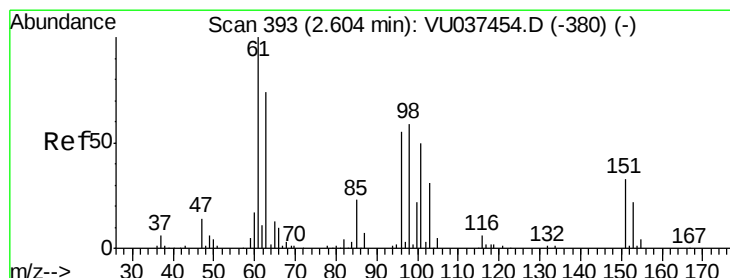
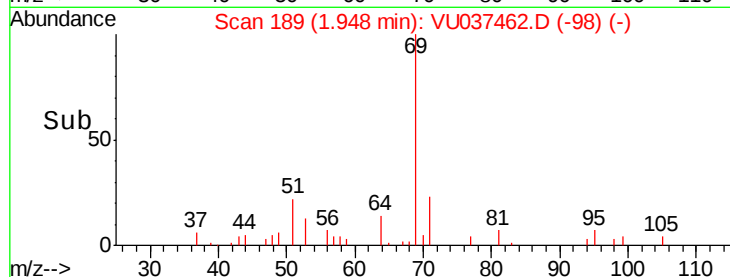
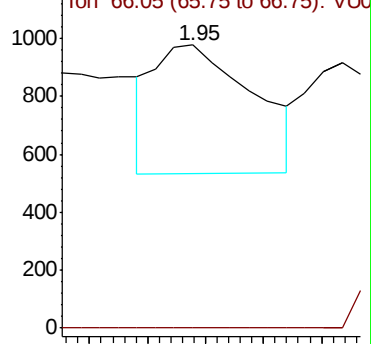
Ion Ratio Lower Upper

64 100

66 0.0 24.8 46.0#



Abundance Ion 64.10 (63.80 to 64.80): VU037454.D (-180) (-)



#12

1,1-Dichloroethene

Concen: 0.061 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037462.D

Acq: 30 Mar 2020 14:43

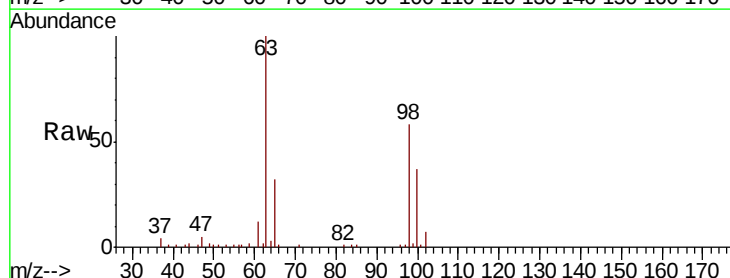
Tgt Ion: 96 Resp: 382

Ion Ratio Lower Upper

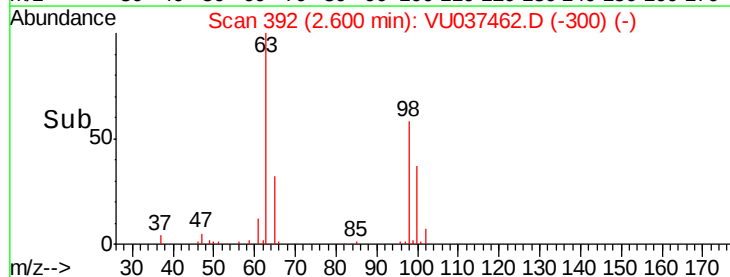
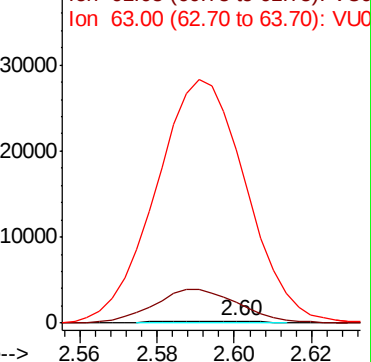
96 100

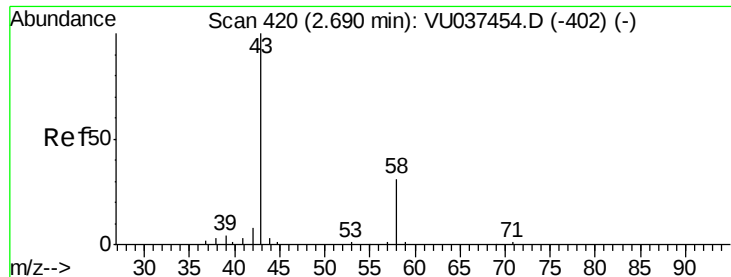
61 933.5 125.4 232.8#

63 7819.5 90.9 168.7#



Abundance Ion 96.00 (95.70 to 96.70): VU037454.D (-380) (-)





#13

Acetone

Concen: 5.502 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.04 min

Lab File: VU037462.D

Acq: 30 Mar 2020 14:43

Instrument :

MSVOA_U

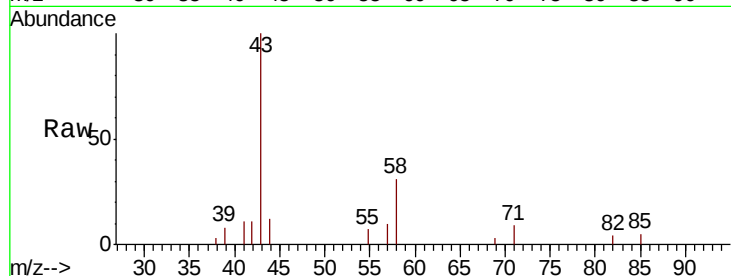
ClientSampleId :

Tot Ion: 43 Resp: 6015

Ion Ratio Lower Upper

43 100

58 30.1 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU037454.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU037454.D (-402) (-)

Time-->

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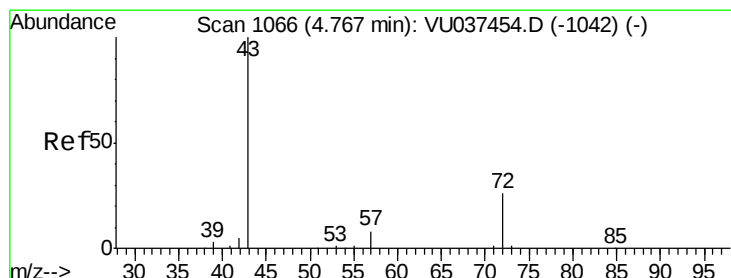
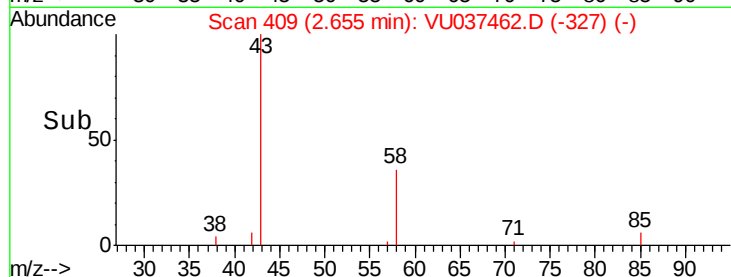
2.66

2.66

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2.66

2.66



#21

2-Butanone

Concen: 12.952 ug/L

RT: 4.85 min Scan# 1091

Delta R.T. 0.08 min

Lab File: VU037462.D

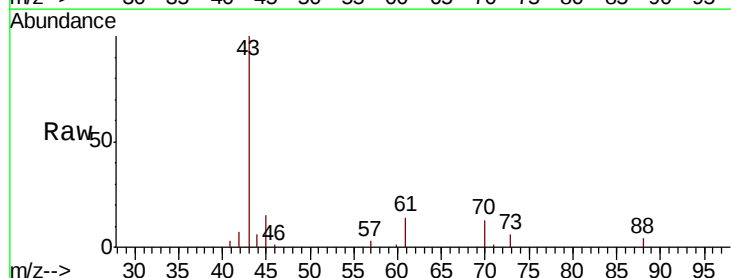
Acq: 30 Mar 2020 14:43

Tgt Ion: 43 Resp: 24071

Ion Ratio Lower Upper

43 100

72 0.4 14.2 42.6#



Abundance Ion 43.05 (42.75 to 43.75): VU037454.D (-1042) (-)

Ion 72.10 (71.80 to 72.80): VU037454.D (-1042) (-)

Time-->

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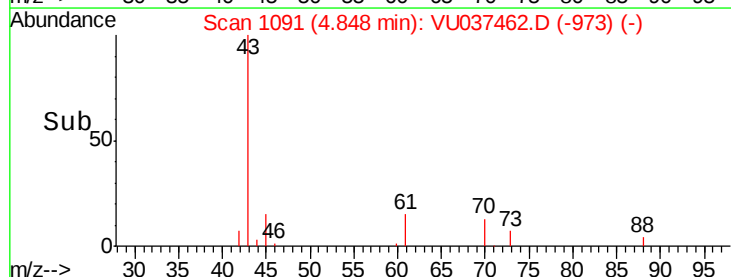
4.85

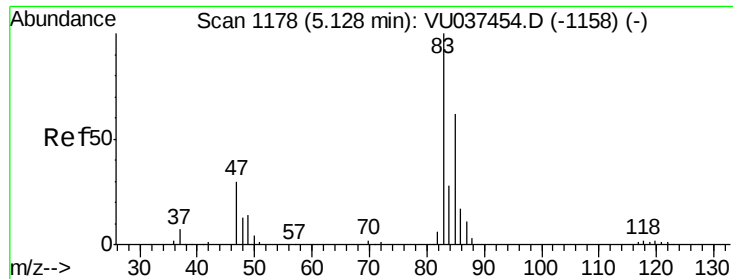
4.85

4.85

4.85

4.85

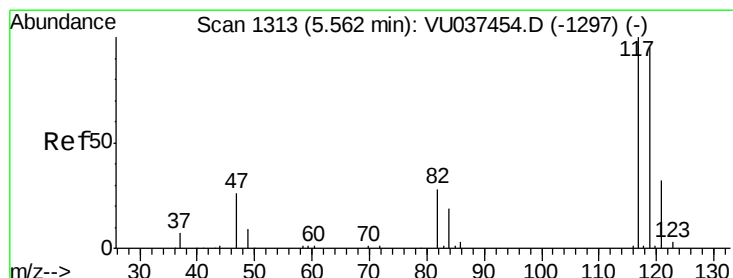
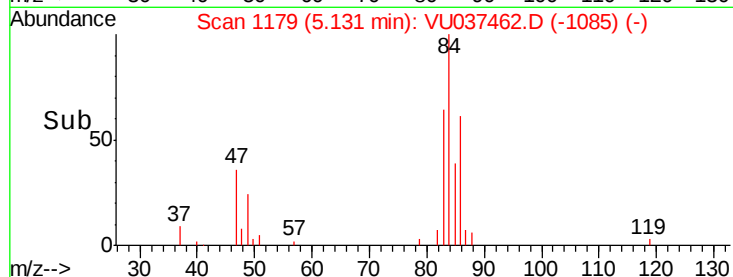
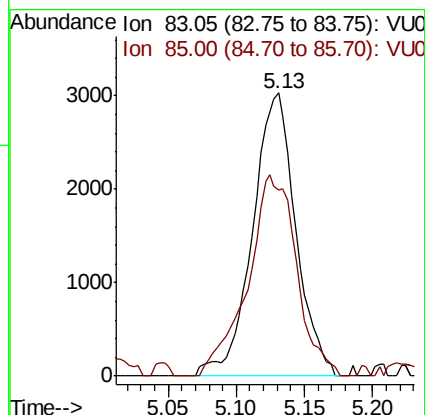
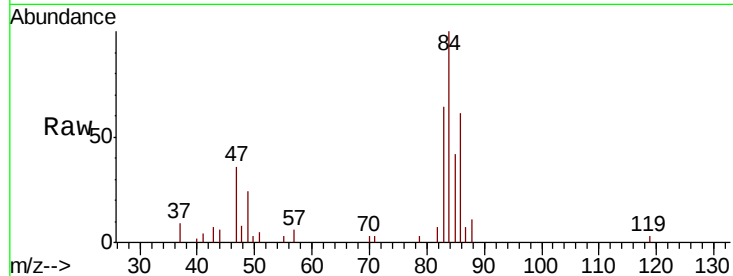




#25
Chloroform
Concen: 0.521 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037462.D
Acq: 30 Mar 2020 14:43

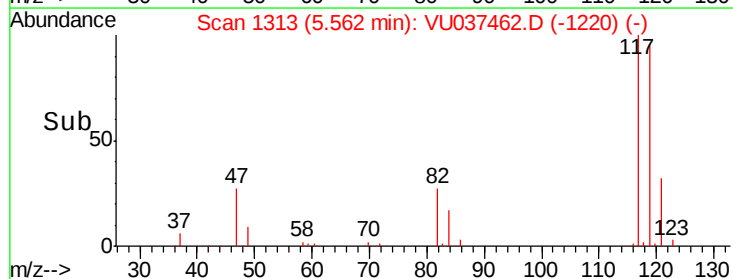
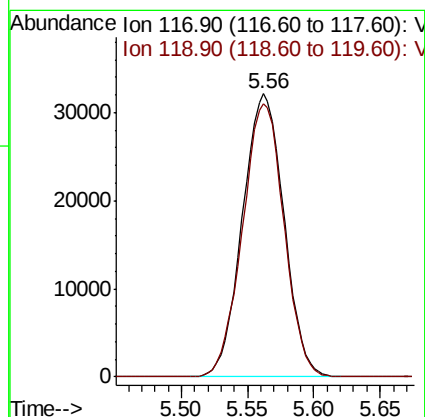
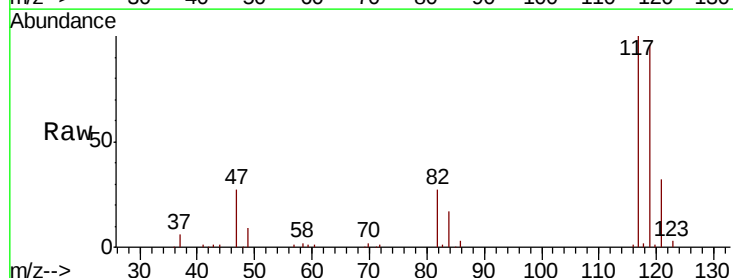
Instrument :
MSVOA_U
ClientSampleId :

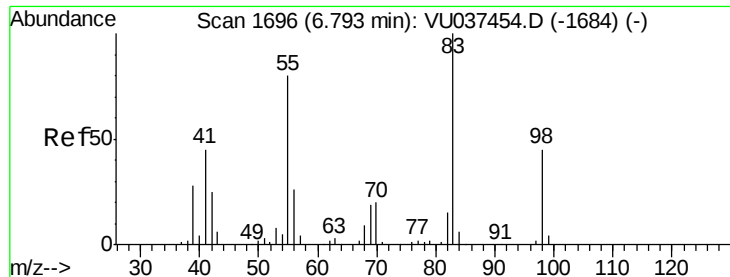
Tot Ion: 83 Resp: 6665
Ion Ratio Lower Upper
83 100
85 65.6 45.4 84.4



#31
Carbon tetrachloride
Concen: 7.174 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU037462.D
Acq: 30 Mar 2020 14:43

Tgt Ion: 117 Resp: 69844
Ion Ratio Lower Upper
117 100
119 96.3 77.7 116.5





#35

Methylcyclohexane

Concen: 0.866 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU037462.D

Acq: 30 Mar 2020 14:43

Instrument :

MSVOA_U

ClientSampled :

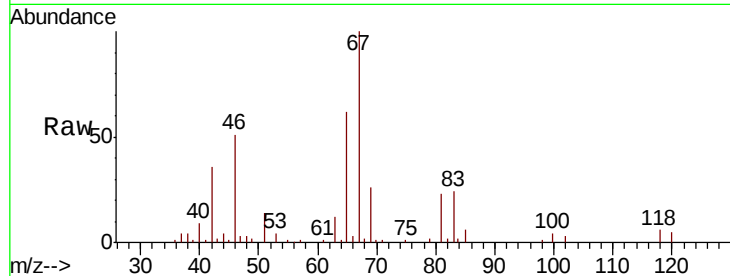
Tot Ion: 83 Resp: 10365

Ion Ratio Lower Upper

83 100

55 3.1 64.2 96.4#

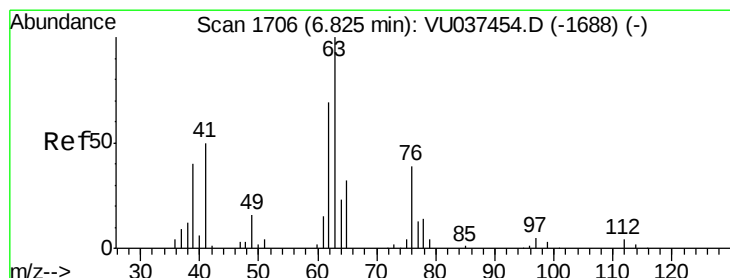
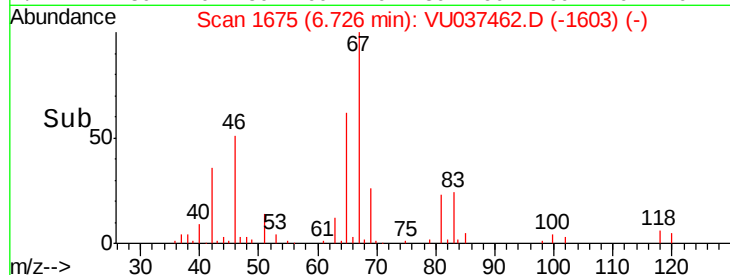
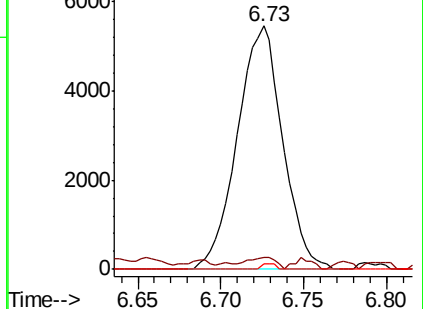
98 0.7 36.3 54.5#



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: 0.708 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.10 min

Lab File: VU037462.D

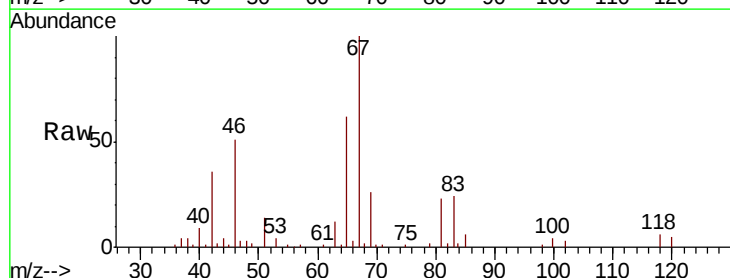
Acq: 30 Mar 2020 14:43

Tgt Ion: 63 Resp: 4863

Ion Ratio Lower Upper

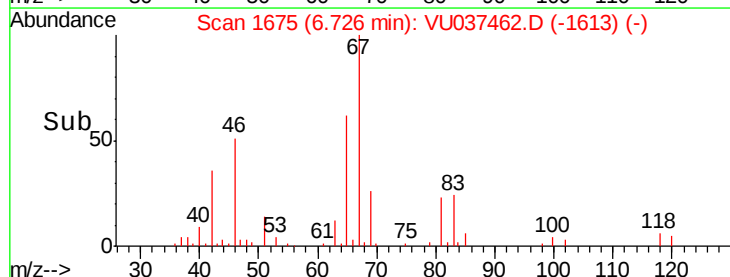
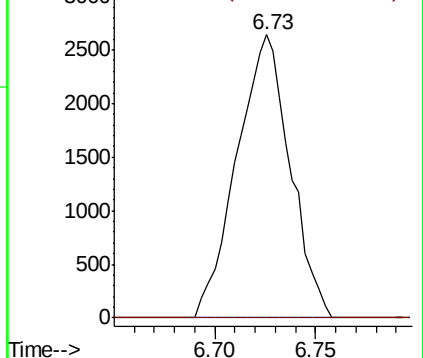
63 100

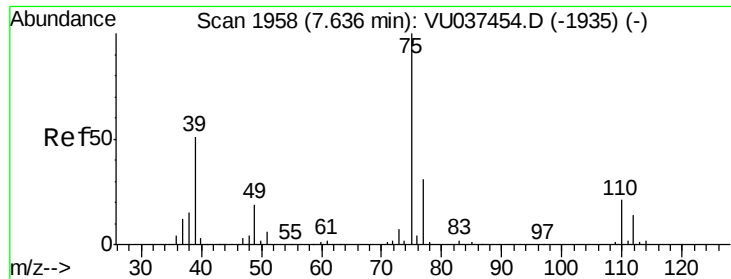
112 0.0 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



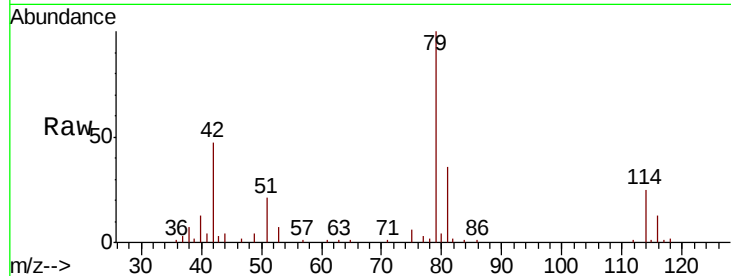


#39

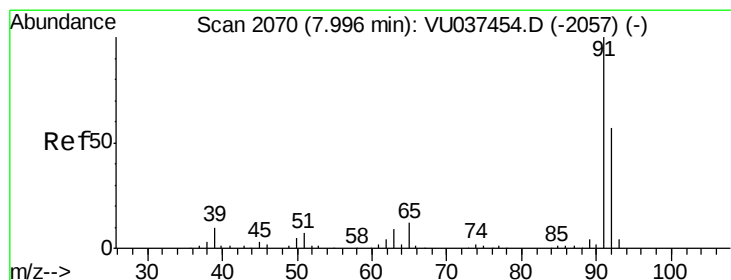
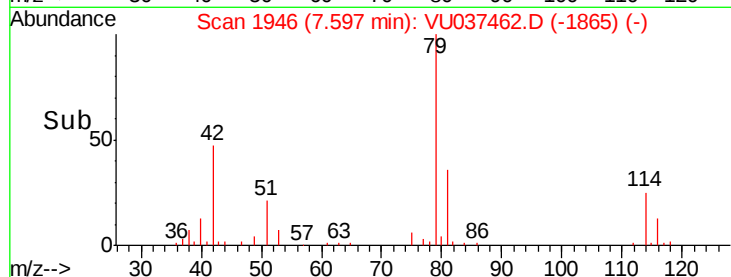
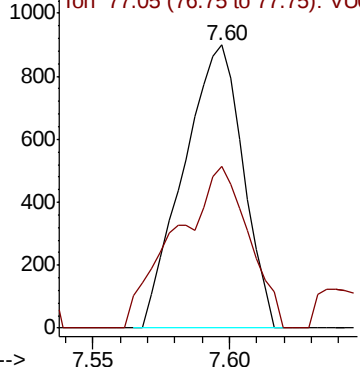
cis-1,3-Dichloropropene
Concen: 0.121 ug/L
RT: 7.60 min Scan# 1946
Delta R.T. -0.04 min
Lab File: VU037462.D
Acq: 30 Mar 2020 14:43

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 1359
Ion Ratio Lower Upper
75 100
77 57.0 21.1 39.3#



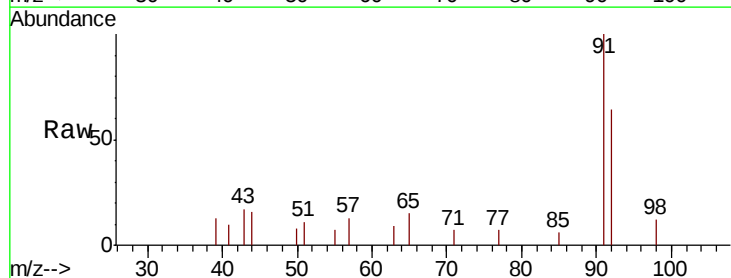
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



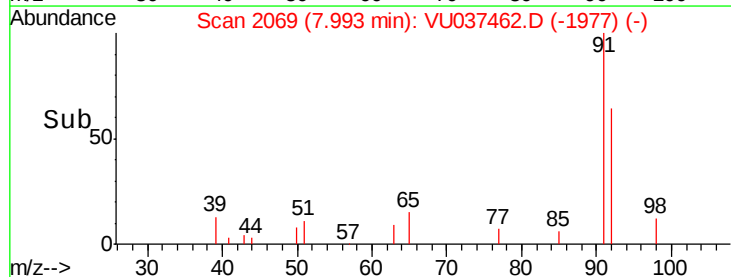
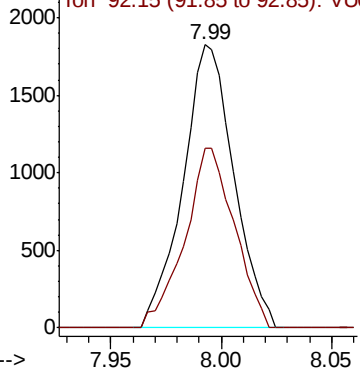
#42

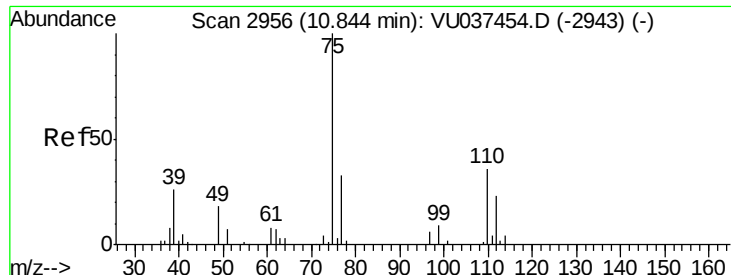
Toluene
Concen: 0.102 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU037462.D
Acq: 30 Mar 2020 14:43

Tgt Ion: 91 Resp: 2927
Ion Ratio Lower Upper
91 100
92 63.6 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





#59
 1,2,3-Trichloropropane
 Concen: 1.425 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.98 min
 Lab File: VU037462.D
 Acq: 30 Mar 2020 14:43

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 6805
 Ion Ratio Lower Upper
 75 100
 77 37.2 27.4 41.2

