

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
 Data File : VU040397.D
 Acq On : 30 Sep 2020 14:30
 Operator : SY/MD
 Sample : L4186-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F2

Quant Time: Oct 01 03:07:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 01 03:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119304	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124489	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53424	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26861	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.92	69	26014	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.58	63	43409	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.20%
20) 2-Butanone-d5	4.65	46	154357	52.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.22%
24) Chloroform-d	5.08	84	70350	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.72	65	43002	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.75	84	122414	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.70	67	44539	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.91	98	93037	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	16116	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.64	63	102573	46.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	43499	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	43849	5.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

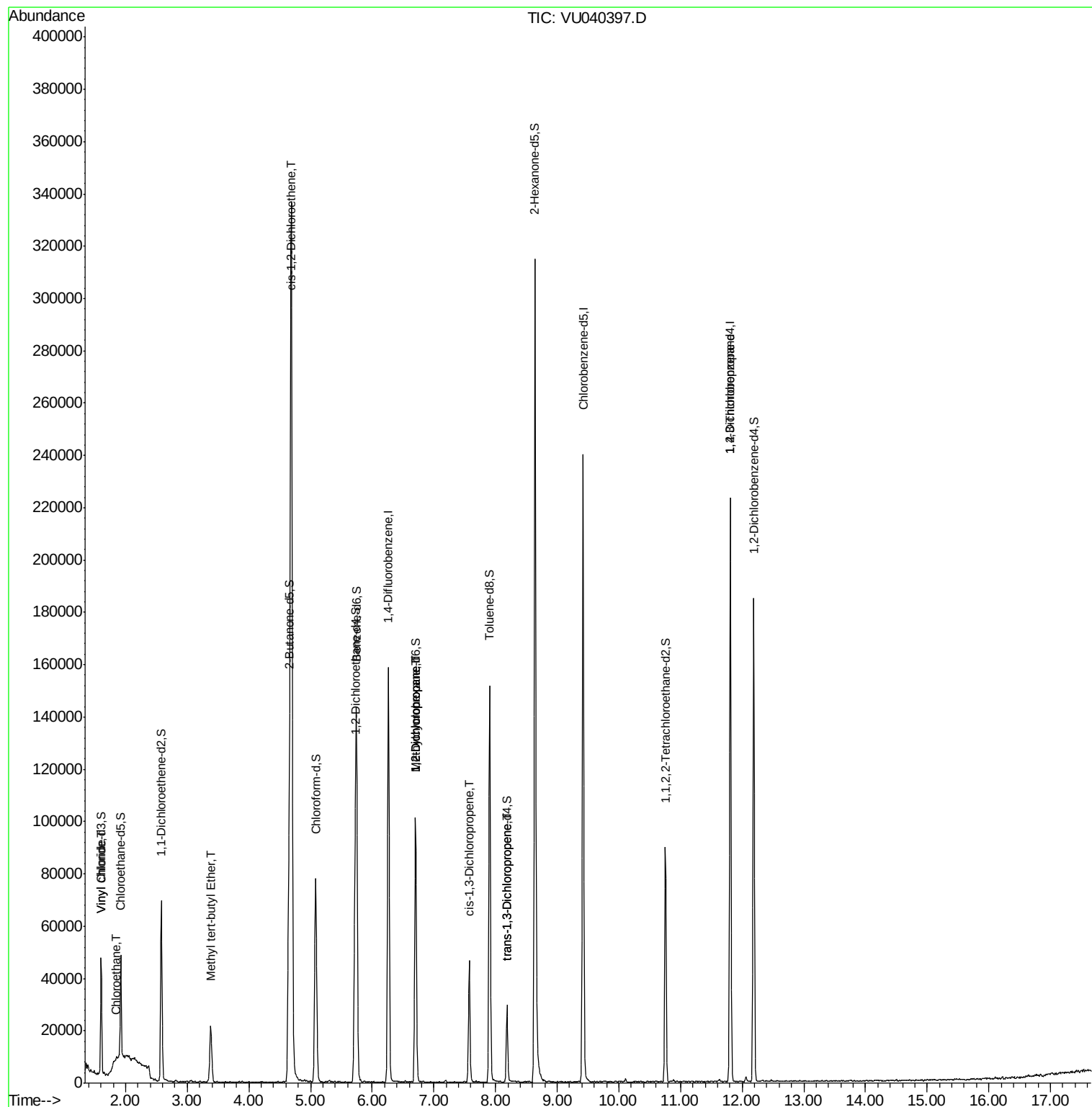
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	3510	0.304	ug/L	88
8) Chloroethane	1.84	64	642	0.094	ug/L #	55
17) Methyl tert-butyl Ether	3.38	73	21346	0.853	ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	152810	14.703	ug/L	96
35) Methylcyclohexane	6.70	83	10642	0.655	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5012	0.431	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1179	0.076	ug/L	82
44) trans-1,3-Dichloropropene	8.19	75	818	0.057	ug/L #	41
59) 1,2,3-Trichloropropane	11.81	75	7646	0.908	ug/L	90

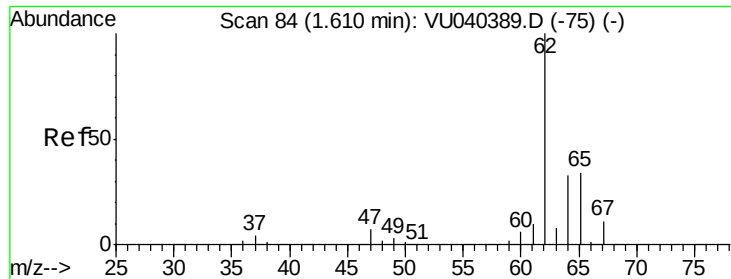
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 03:05:40 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.304 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040397.D

Acq: 30 Sep 2020 14:30

Instrument :

MSVOA_U

ClientSampleId :

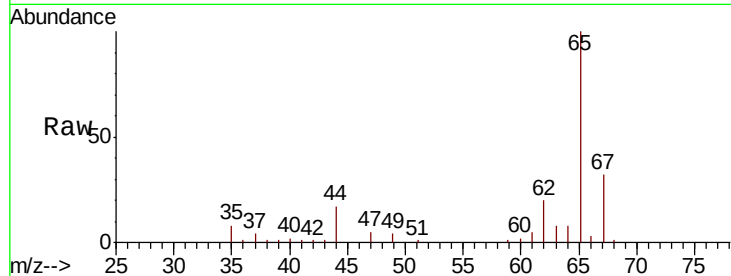
BG0F2

Tot Ion: 62 Resp: 3510

Ion Ratio Lower Upper

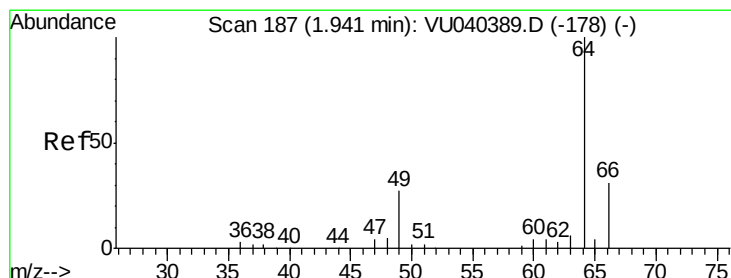
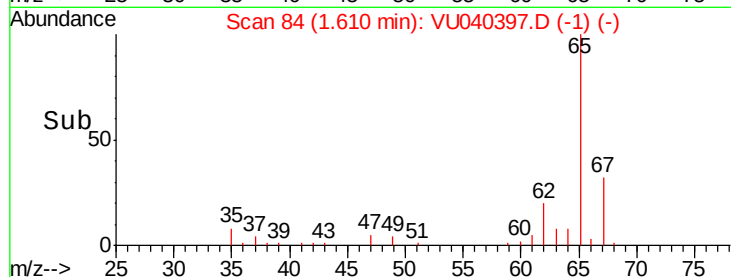
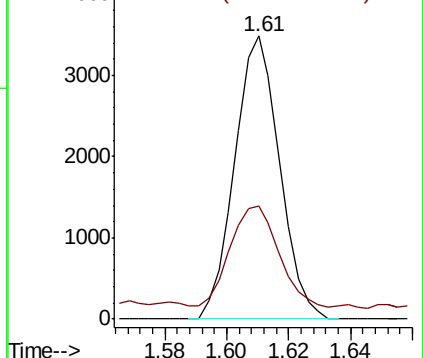
62 100

64 39.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.094 ug/L

RT: 1.84 min Scan# 154

Delta R.T. -0.11 min

Lab File: VU040397.D

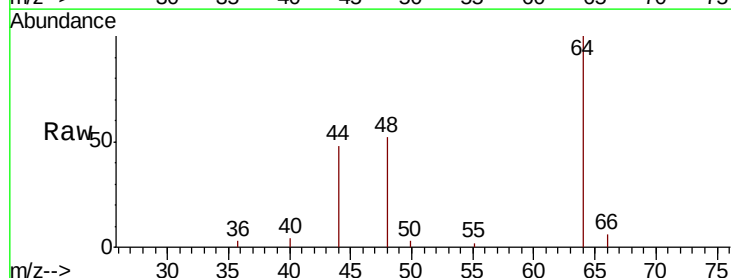
Acq: 30 Sep 2020 14:30

Tgt Ion: 64 Resp: 642

Ion Ratio Lower Upper

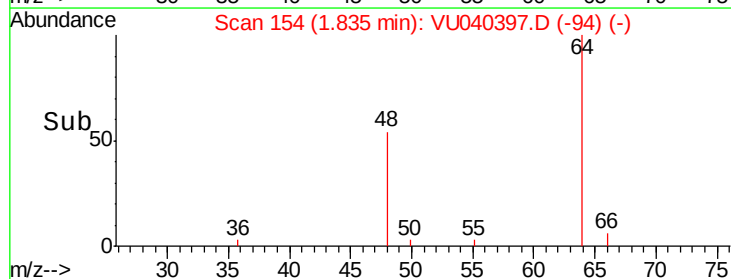
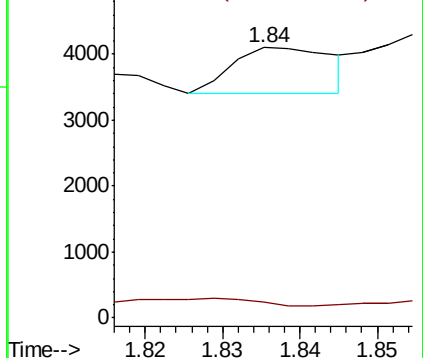
64 100

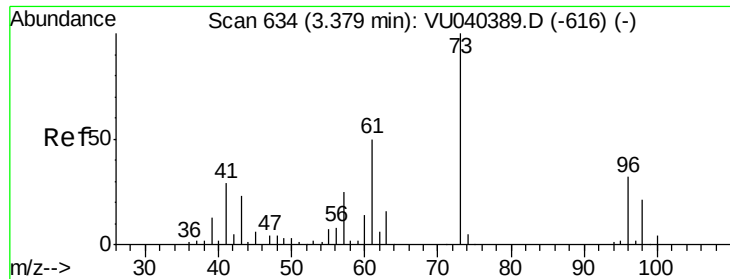
66 5.7 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

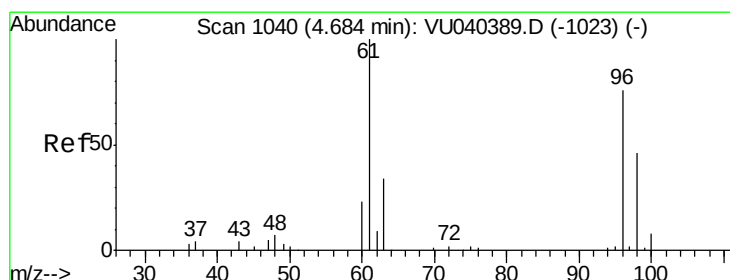
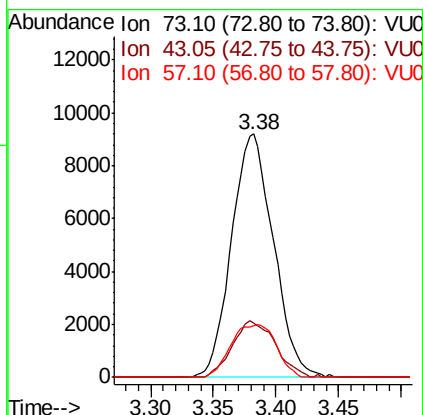
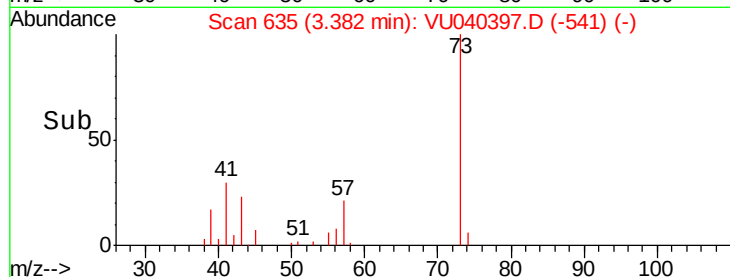
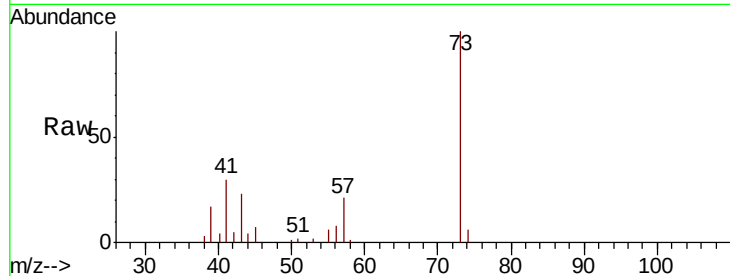




#17
Methyl tert-butyl Ether
Concen: 0.853 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040397.D
Acq: 30 Sep 2020 14:30

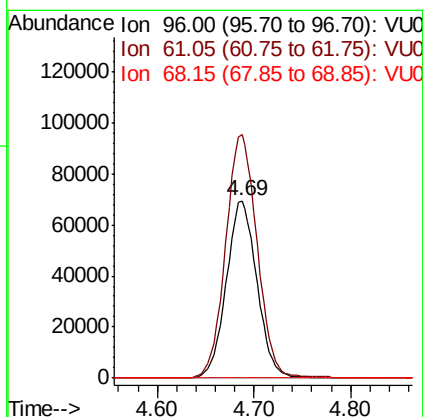
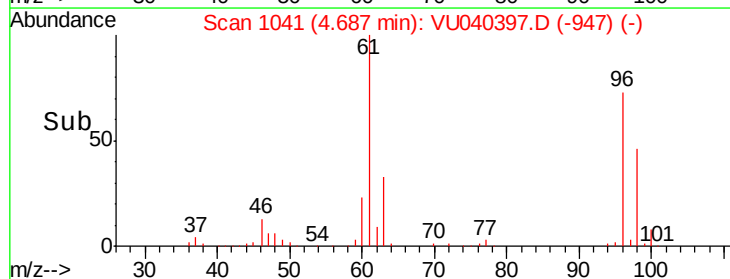
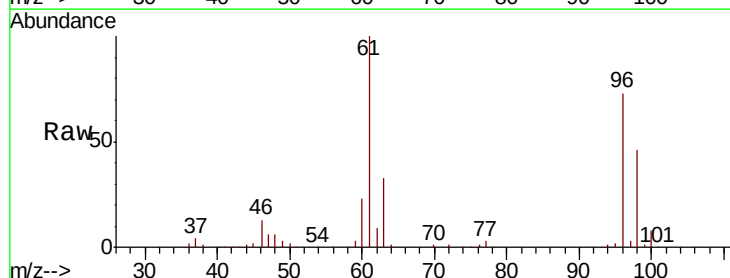
Instrument :
MSVOA_U
ClientSampleId :
BG0F2

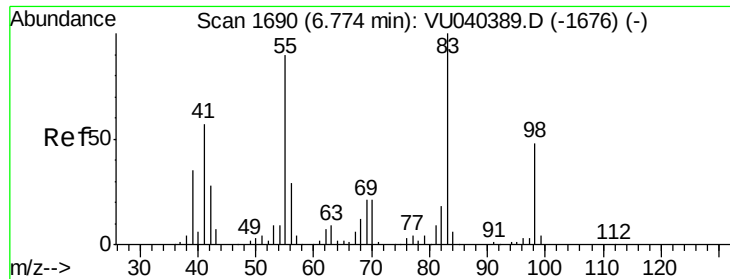
Tot Ion: 73 Resp: 21346
Ion Ratio Lower Upper
73 100
43 23.7 19.0 28.4
57 23.5 18.9 28.3



#22
cis-1,2-Dichloroethene
Concen: 14.703 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU040397.D
Acq: 30 Sep 2020 14:30

Tgt Ion: 96 Resp: 152810
Ion Ratio Lower Upper
96 100
61 137.5 99.3 184.5
68 0.0 0.0 0.0





#35

Methylcyclohexane

Concen: 0.655 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU040397.D

Acq: 30 Sep 2020 14:30

Instrument :

MSVOA_U

ClientSampleId :

BG0F2

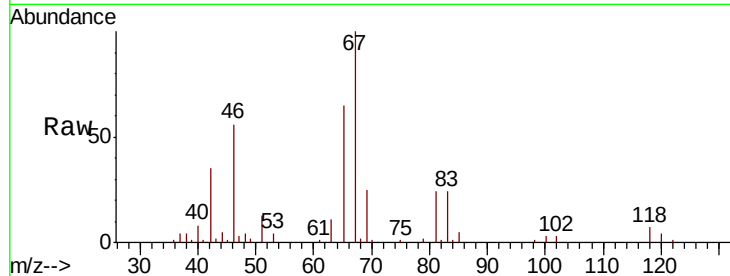
Tot Ion: 83 Resp: 10642

Ion Ratio Lower Upper

83 100

55 0.0 71.4 107.2#

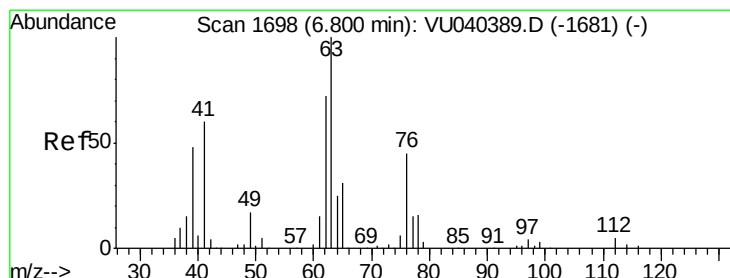
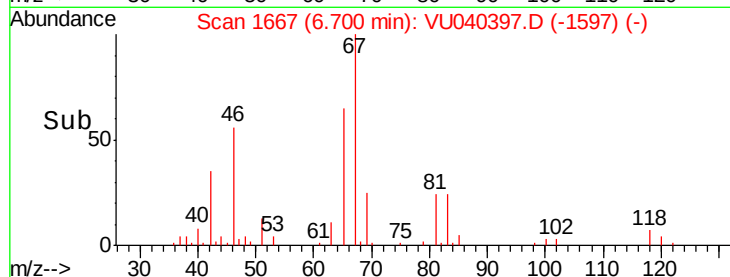
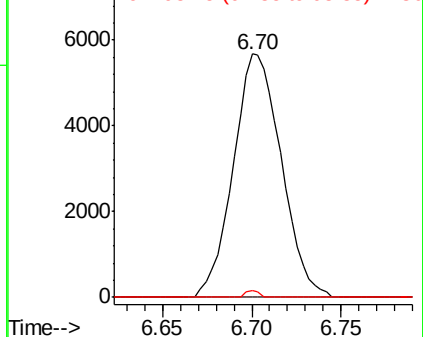
98 0.8 38.5 57.7#



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: 0.431 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU040397.D

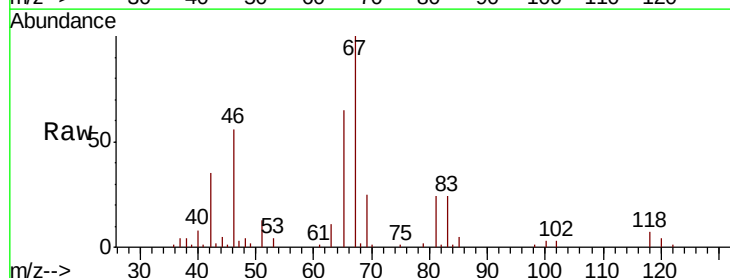
Acq: 30 Sep 2020 14:30

Tgt Ion: 63 Resp: 5012

Ion Ratio Lower Upper

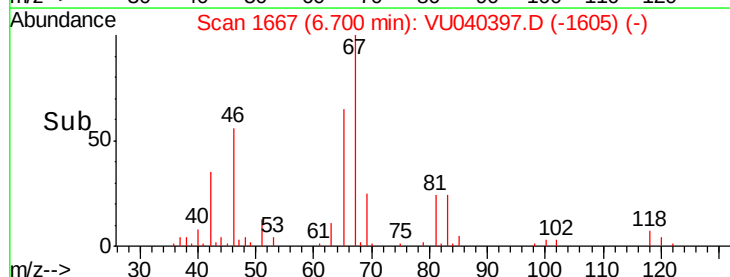
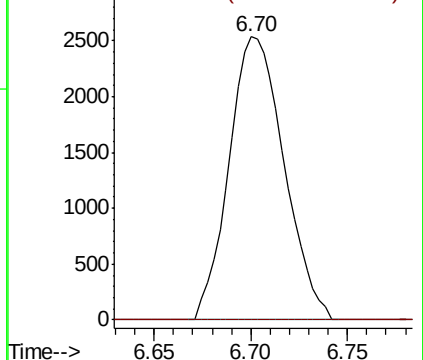
63 100

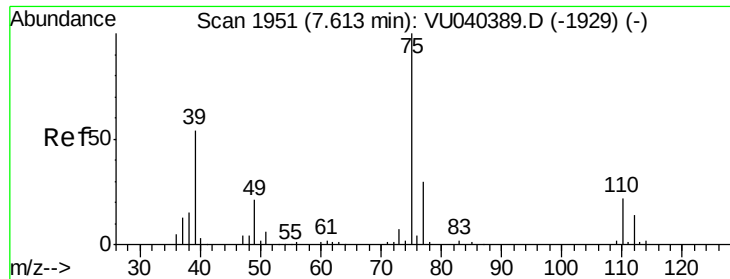
112 0.0 3.2 4.8#



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: 0.076 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU040397.D

Acq: 30 Sep 2020 14:30

Instrument :

MSVOA_U

ClientSampleId :

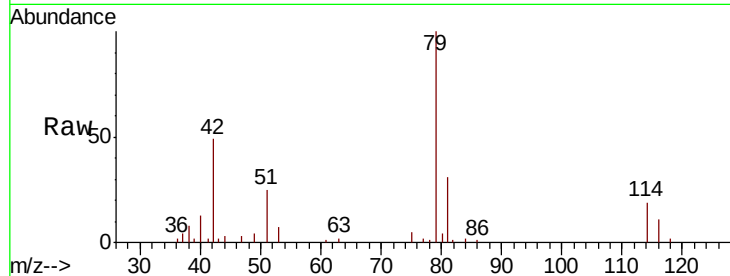
BG0F2

Tot Ion: 75 Resp: 1179

Ion Ratio Lower Upper

75 100

77 43.6 23.5 43.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

800

600

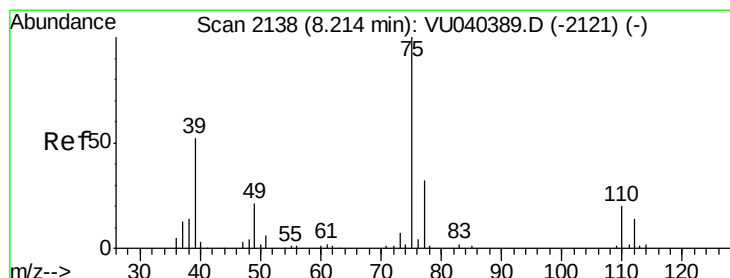
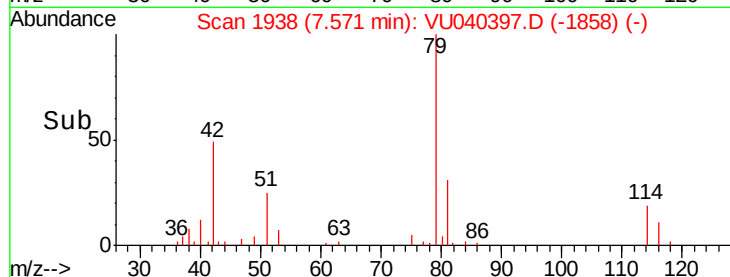
400

200

0

7.55 7.57 7.59 7.61

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.057 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040397.D

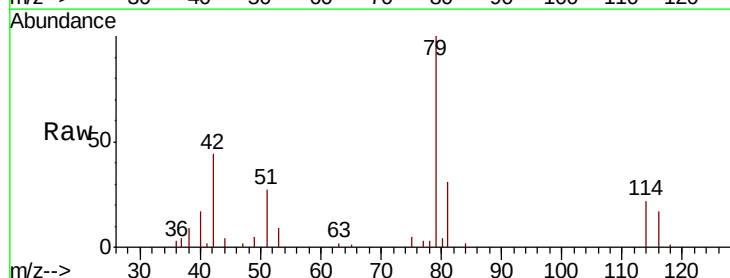
Acq: 30 Sep 2020 14:30

Tgt Ion: 75 Resp: 818

Ion Ratio Lower Upper

75 100

77 64.7 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

500

400

300

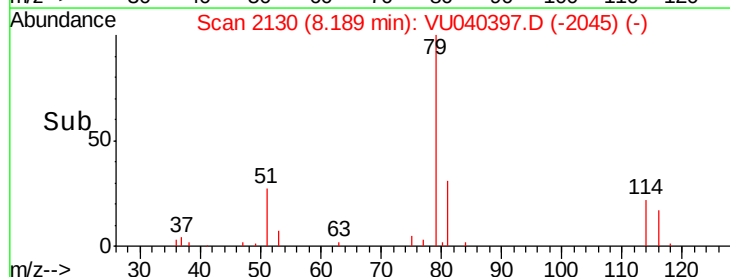
200

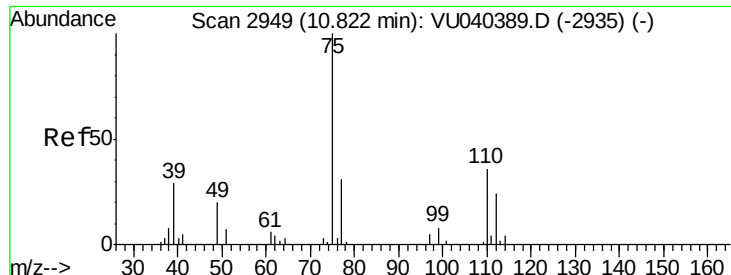
100

0

8.14 8.16 8.18 8.20 8.22

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.908 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040397.D

Acq: 30 Sep 2020 14:30

Instrument :

MSVOA_U

ClientSampleId :

BG0F2

Tot Ion: 75 Resp: 7646

Ion Ratio Lower Upper

75 100

77 38.0 25.7 38.5

