

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081320\
 Data File : VU039855.D
 Acq On : 13 Aug 2020 16:52
 Operator : SY/MD
 Sample : L3683-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0B5

Quant Time: Aug 14 01:49:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 14 01:47:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	66134	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	67968	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32200	5.00	ug/L	0.00

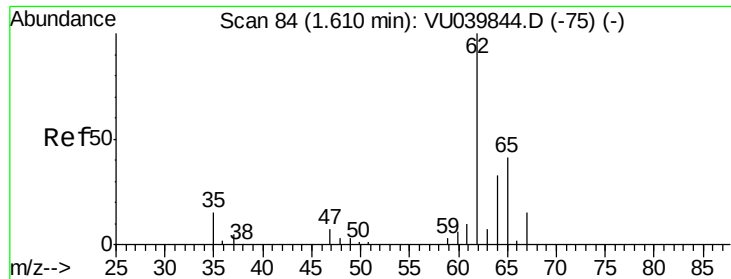
System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	18302	5.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.60%
7) Chloroethane-d5	1.92	69	17547	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.58	63	25462	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.65	46	74497	47.43	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.86%
24) Chloroform-d	5.08	84	37801	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.72	65	25495	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.74	84	73004	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.70	67	25343	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.91	98	58067	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.19	79	9049	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.64	63	52375	45.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.16%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	23693	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	27442	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	180169	33.506	ug/L	95
12) 1,1-Dichloroethene	2.58	96	346	0.088	ug/L #	1
13) Acetone	2.65	43	796	0.860	ug/L	91
14) Carbon disulfide	2.81	76	8035	0.651	ug/L #	92
18) trans-1,2-Dichloroethene	3.36	96	2309	0.526	ug/L	80
19) 1,1-Dichloroethane	3.89	63	998	0.123	ug/L #	84
22) cis-1,2-Dichloroethene	4.69	96	39563	8.282	ug/L	83
25) Chloroform	5.11	83	2137	0.245	ug/L	94
35) Methylcyclohexane	6.71	83	6554	0.854	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	2890	0.588	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	721	0.107	ug/L #	68
59) 1,2,3-Trichloropropane	11.81	75	4673	1.317	ug/L	91

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



#5

Vinyl chloride

Concen: 33.506 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

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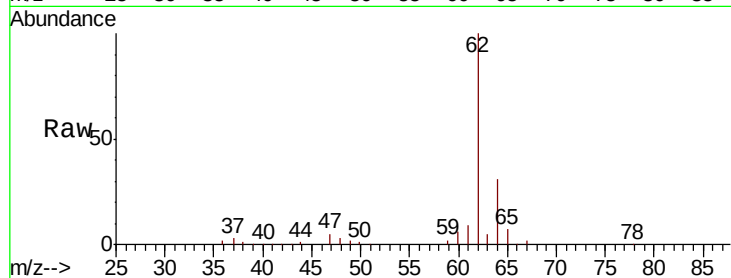
BG0B5

Tot Ion: 62 Resp: 180169

Ion Ratio Lower Upper

62 100

64 31.2 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

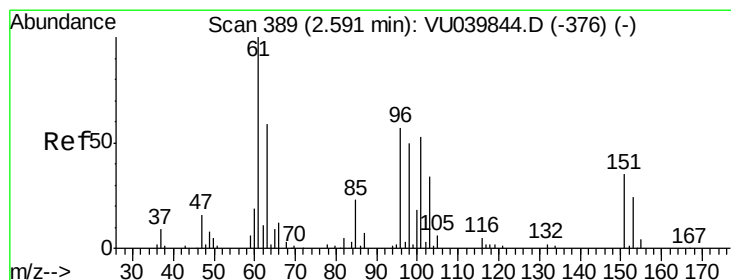
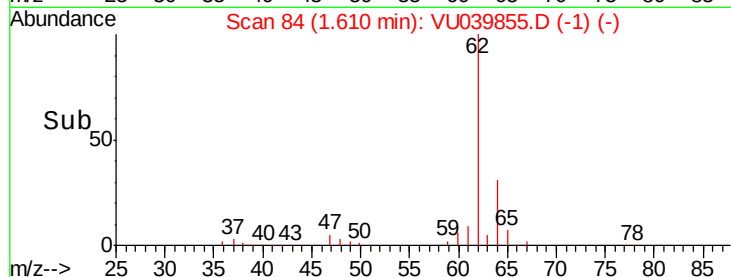
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.088 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU039855.D

Acq: 13 Aug 2020 16:52

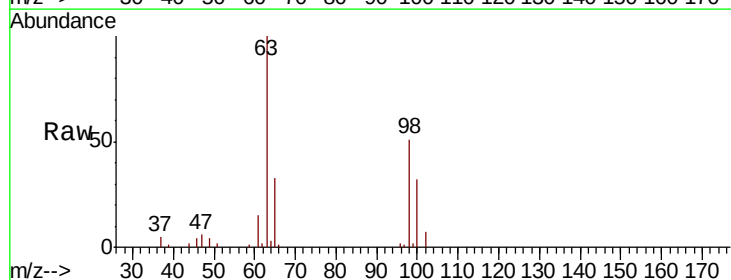
Tgt Ion: 96 Resp: 346

Ion Ratio Lower Upper

96 100

61 913.9 121.7 225.9#

63 6293.7 82.1 152.5#



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

20000

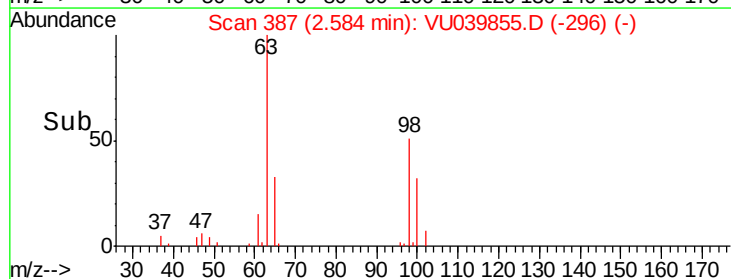
15000

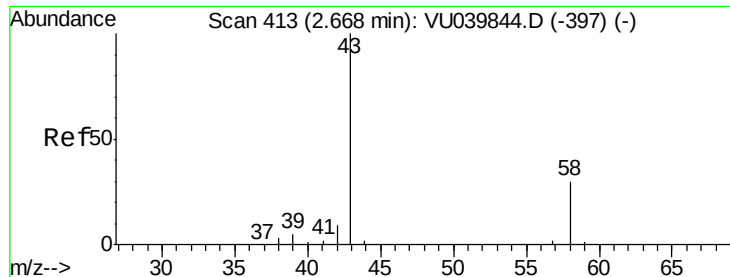
10000

5000

0

Time-->





#13

Acetone

Concen: 0.860 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.02 min

Lab File: VU039855.D

Acq: 13 Aug 2020 16:52

Instrument :

MSVOA_U

ClientSampleId :

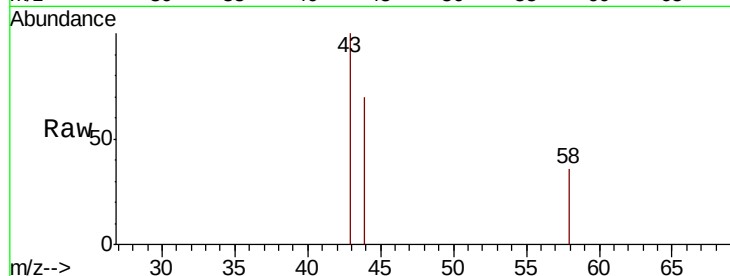
BG0B5

Tot Ion: 43 Resp: 796

Ion Ratio Lower Upper

43 100

58 25.8 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.65

400

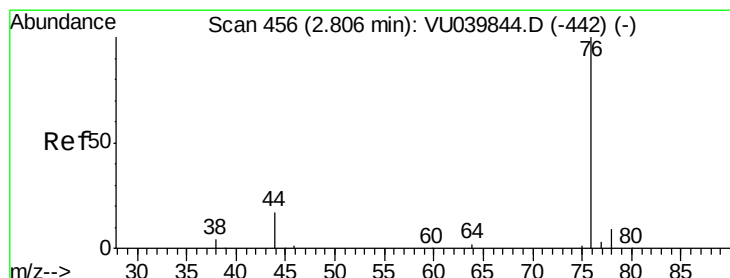
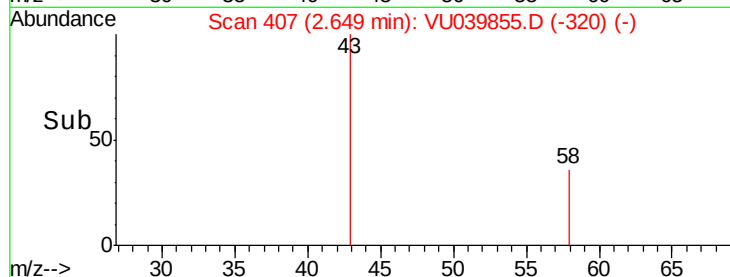
300

200

100

0

Time--> 2.60 2.65



#14

Carbon disulfide

Concen: 0.651 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039855.D

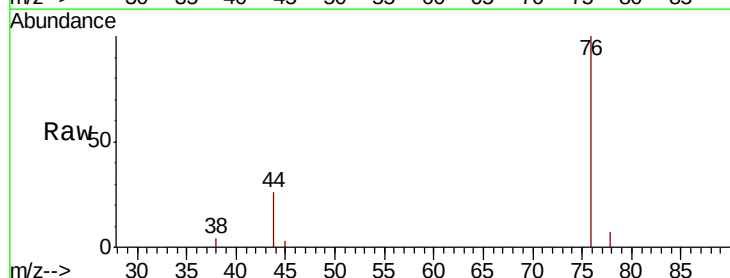
Acq: 13 Aug 2020 16:52

Tgt Ion: 76 Resp: 8035

Ion Ratio Lower Upper

76 100

78 6.6 7.8 11.6#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

5000

4000

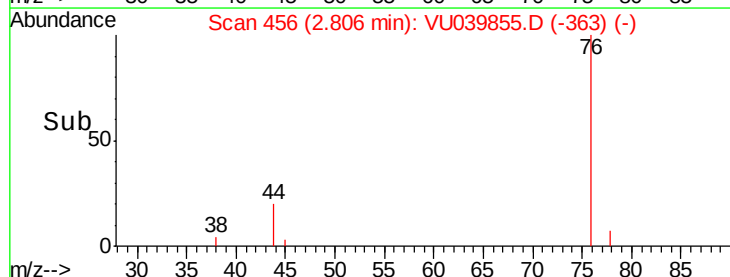
3000

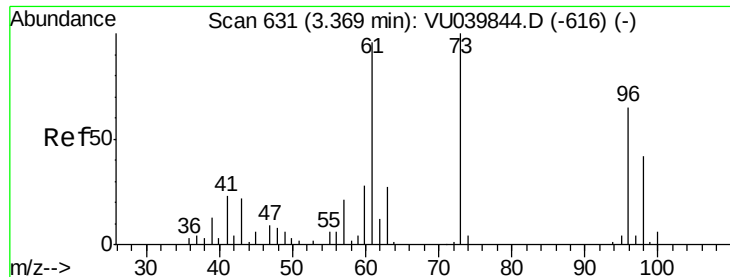
2000

1000

0

Time--> 2.75 2.80 2.85





#18

trans-1,2-Dichloroethene

Concen: 0.526 ug/L

RT: 3.36 min Scan# 629

Delta R.T. -0.01 min

Lab File: VU039855.D

Acq: 13 Aug 2020 16:52

Instrument :

MSVOA_U

ClientSampleId :

BG0B5

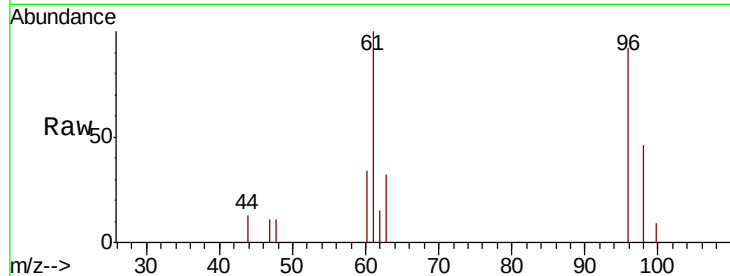
Tot Ion: 96 Resp: 2309

Ion Ratio Lower Upper

96 100

61 109.1 96.5 179.1

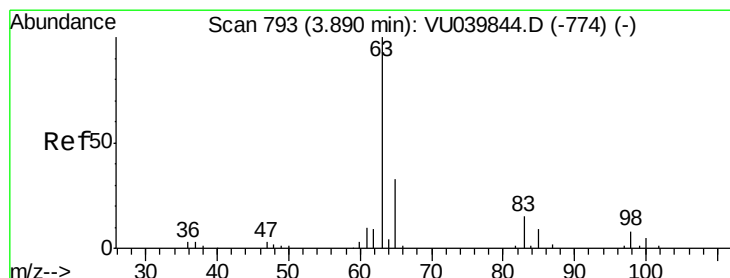
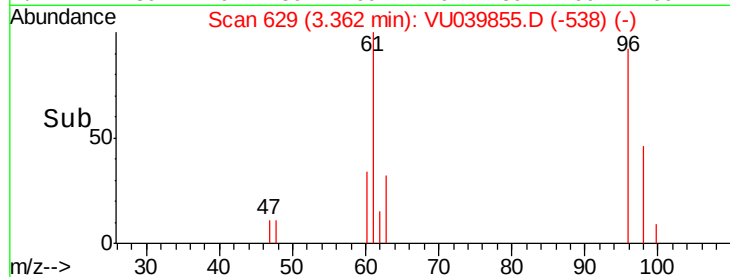
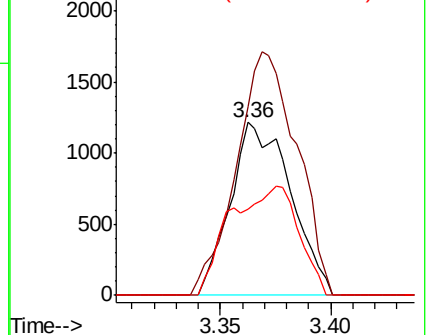
98 49.8 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU039844.D (-616) (-)

Ion 61.05 (60.75 to 61.75): VU039844.D (-616) (-)

Ion 97.95 (97.65 to 98.65): VU039844.D (-616) (-)



#19

1,1-Dichloroethane

Concen: 0.123 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039855.D

Acq: 13 Aug 2020 16:52

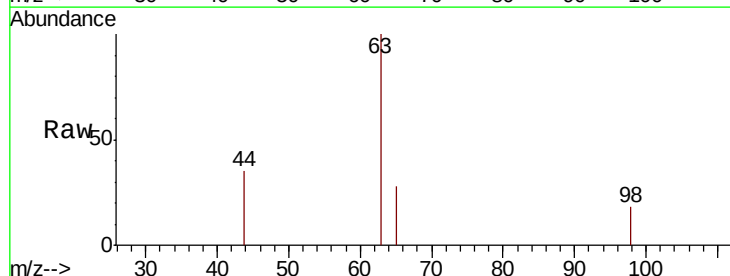
Tgt Ion: 63 Resp: 998

Ion Ratio Lower Upper

63 100

65 27.9 22.0 41.0

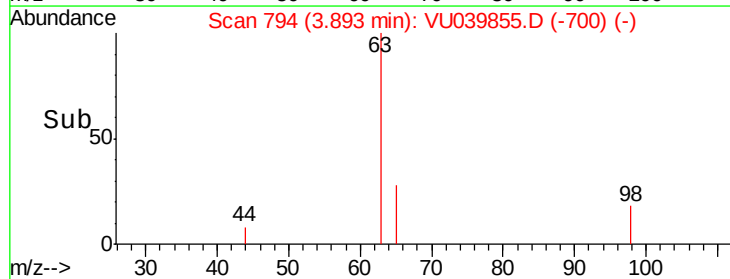
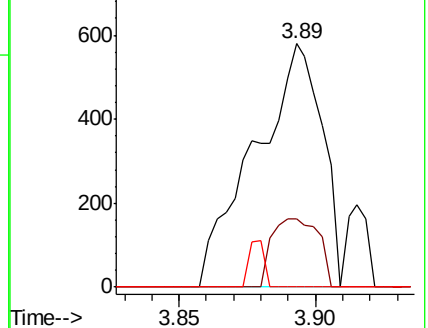
83 0.0 10.9 20.2#

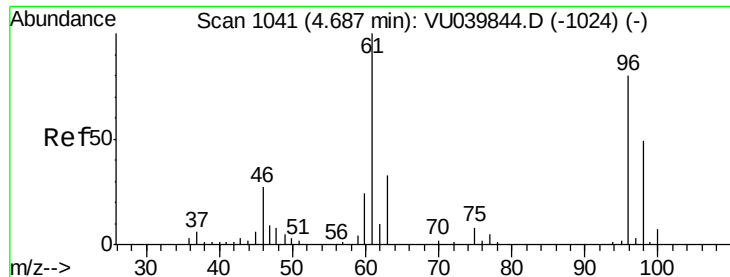


Abundance Ion 63.10 (62.80 to 63.80): VU039844.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU039844.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU039844.D (-774) (-)





#22

cis-1,2-Dichloroethene

Concen: 8.282 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039855.D

Acq: 13 Aug 2020 16:52

Instrument :

MSVOA_U

ClientSampleId :

BG0B5

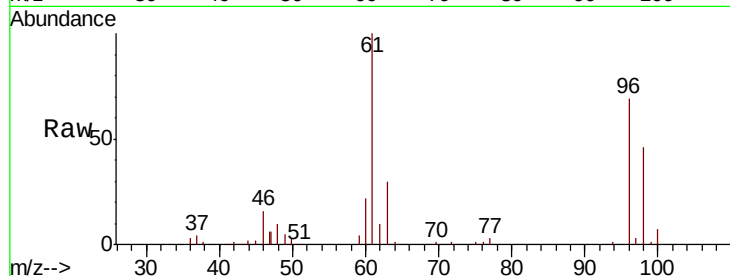
Tot Ion: 96 Resp: 39563

Ion Ratio Lower Upper

96 100

61 144.4 87.4 162.2

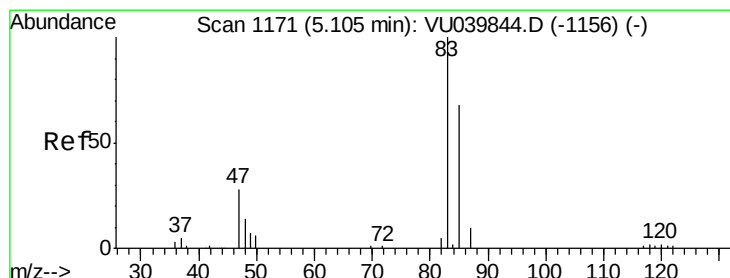
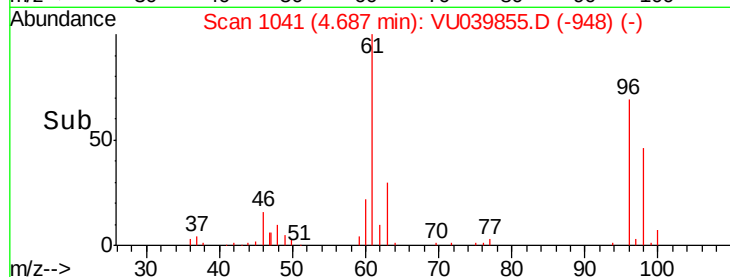
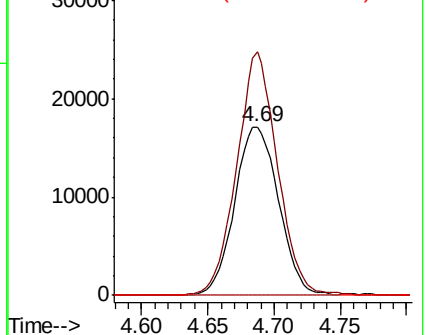
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039844.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU039844.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU039844.D (-1024) (-)



#25

Chloroform

Concen: 0.245 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU039855.D

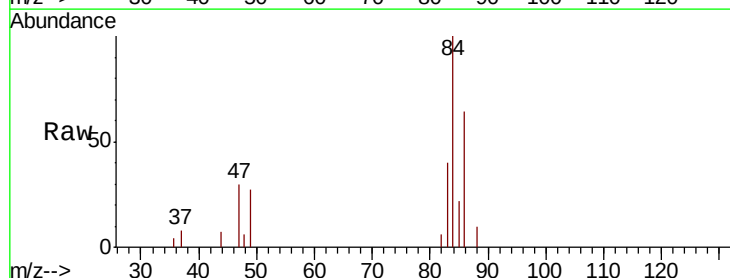
Acq: 13 Aug 2020 16:52

Tgt Ion: 83 Resp: 2137

Ion Ratio Lower Upper

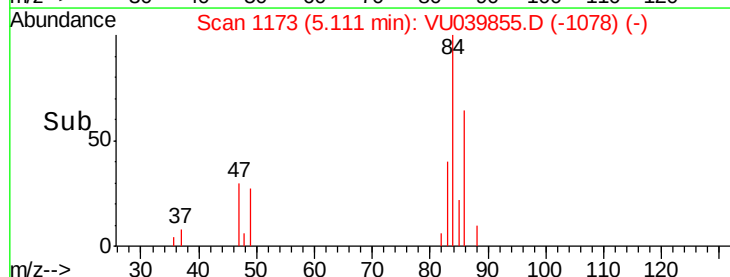
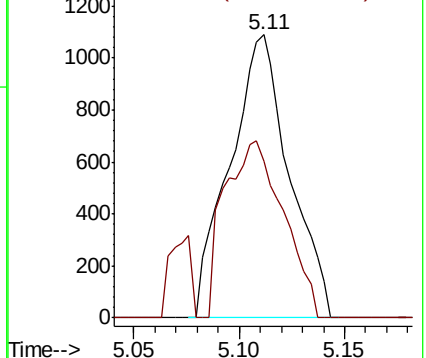
83 100

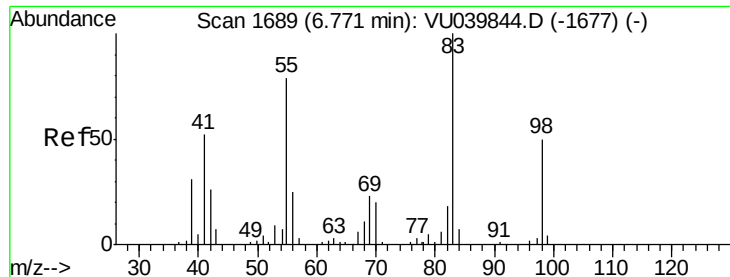
85 55.5 42.1 78.3



Abundance Ion 83.05 (82.75 to 83.75): VU039844.D (-1156) (-)

Ion 85.00 (84.70 to 85.70): VU039844.D (-1156) (-)

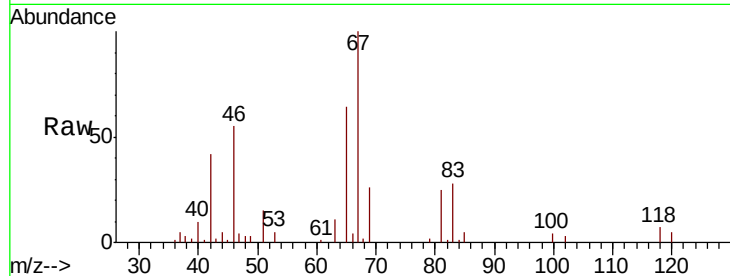




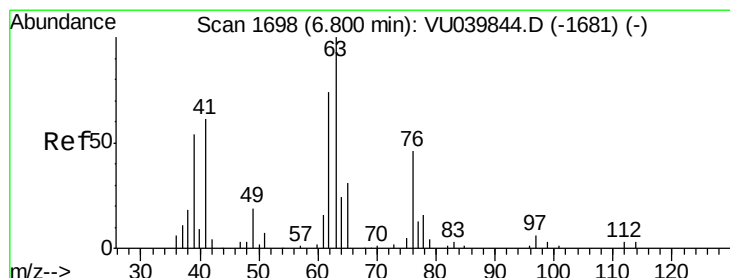
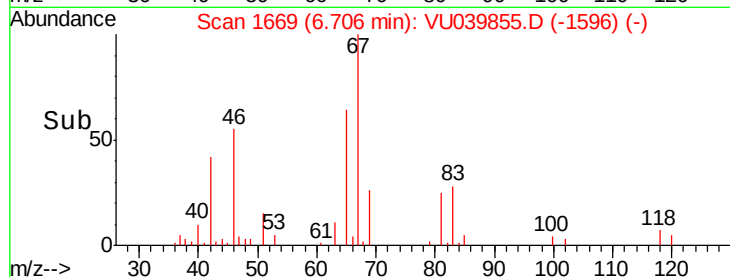
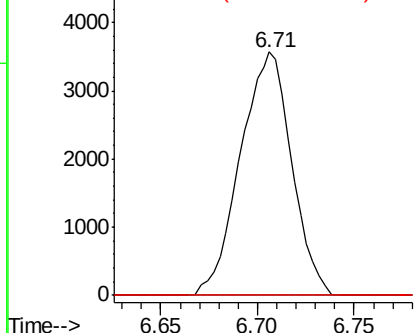
#35
Methylvlcyclohexane
Concen: 0.854 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.06 min
Lab File: VU039855.D
Acq: 13 Aug 2020 16:52

Instrument :
MSVOA_U
ClientSampleId :
BG0B5

Tot Ion: 83 Resp: 6554
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.0#
98 0.0 39.0 58.4#

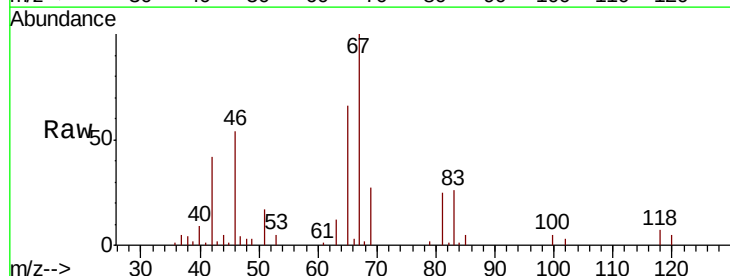


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

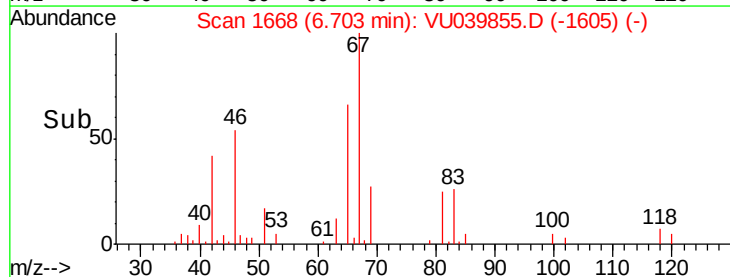
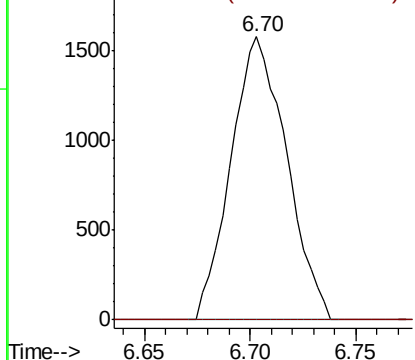


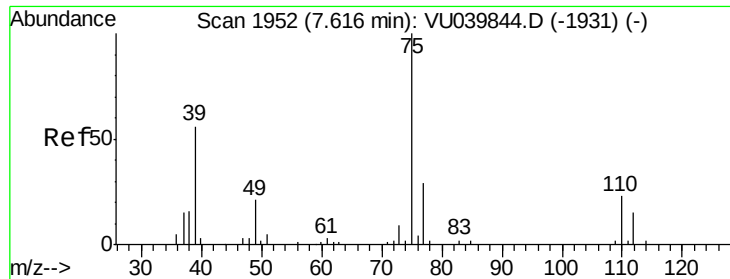
#37
1,2-Dichloropropane
Concen: 0.588 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039855.D
Acq: 13 Aug 2020 16:52

Tgt Ion: 63 Resp: 2890
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



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

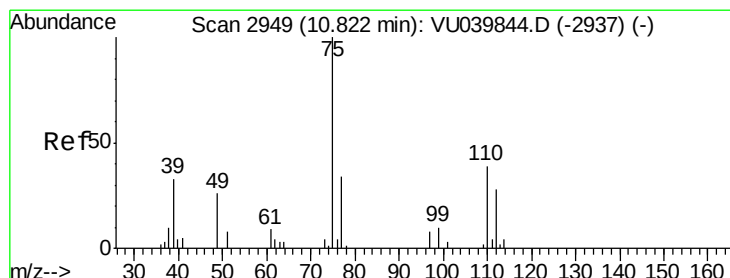
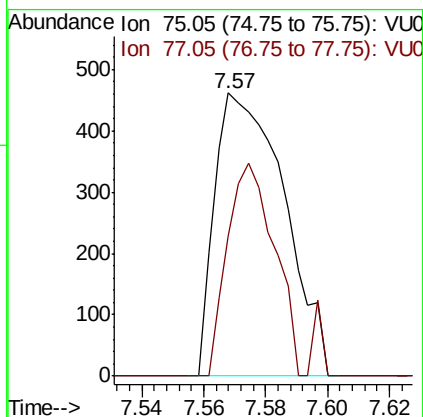
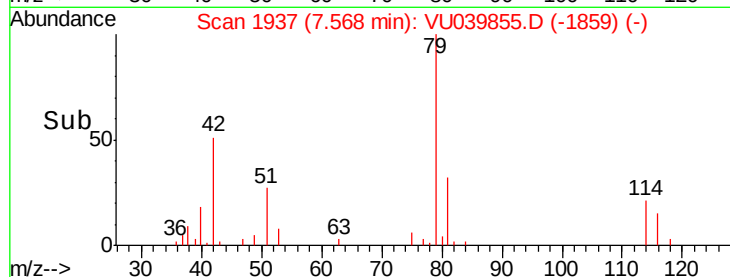
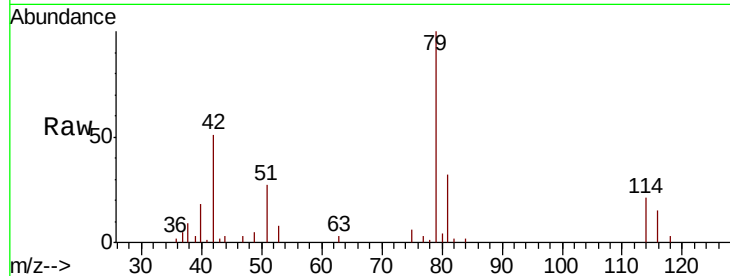




#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU039855.D
 Acq: 13 Aug 2020 16:52

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0B5

Tot Ion: 75 Resp: 721
 Ion Ratio Lower Upper
 75 100
 77 49.6 22.4 41.6#



#59
 1,2,3-Trichloropropane
 Concen: 1.317 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.98 min
 Lab File: VU039855.D
 Acq: 13 Aug 2020 16:52

Tgt Ion: 75 Resp: 4673
 Ion Ratio Lower Upper
 75 100
 77 35.8 24.6 37.0

