

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081320\
 Data File : VU039853.D
 Acq On : 13 Aug 2020 16:05
 Operator : SY/MD
 Sample : L3683-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0B4

Quant Time: Aug 14 01:49:36 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	66252	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	66332	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32490	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17175	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.92	69	18072	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.58	63	26497	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.65	46	78659	49.99	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.98%
24) Chloroform-d	5.08	84	41637	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.72	65	27025	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.75	84	77799	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.70	67	26745	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.91	98	61878	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.19	79	9498	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.64	63	55353	49.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25015	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	28444	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

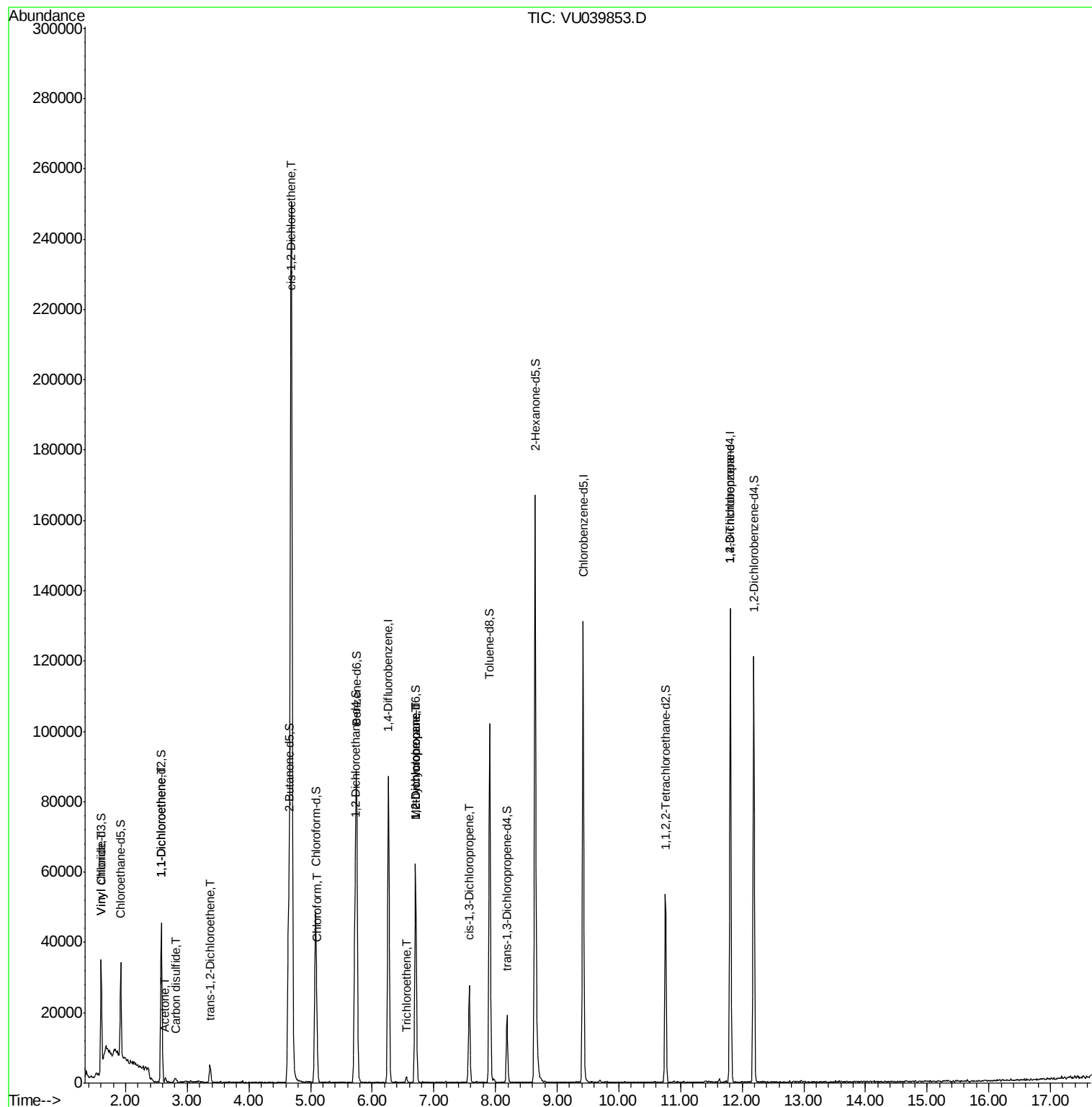
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2200	0.408	ug/L #	1
12) 1,1-Dichloroethene	2.58	96	370	0.094	ug/L #	1
13) Acetone	2.64	43	1280	1.380	ug/L	93
14) Carbon disulfide	2.81	76	1249	0.101	ug/L #	74
18) trans-1,2-Dichloroethene	3.37	96	1907	0.433	ug/L	84
22) cis-1,2-Dichloroethene	4.69	96	120088	25.094	ug/L	92
25) Chloroform	5.11	83	1713	0.196	ug/L	87
34) Trichloroethene	6.55	95	600	0.128	ug/L #	58
35) Methylcyclohexane	6.70	83	6532	0.872	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	3006	0.626	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	808	0.123	ug/L #	49
59) 1,2,3-Trichloropropane	11.81	75	4574	1.321	ug/L #	88

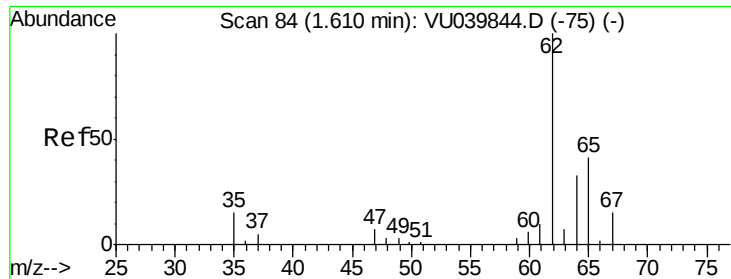
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 14 01:47:04 2020
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#5

Vinyl chloride

Concen: 0.408 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039853.D

Acq: 13 Aug 2020 16:05

Instrument :

MSVOA_U

ClientSampleID :

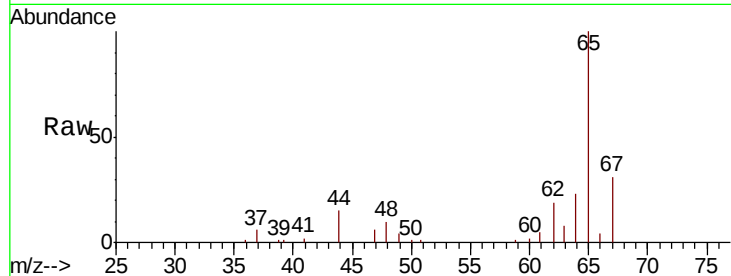
BG0B4

Tot Ion: 62 Resp: 2200

Ion Ratio Lower Upper

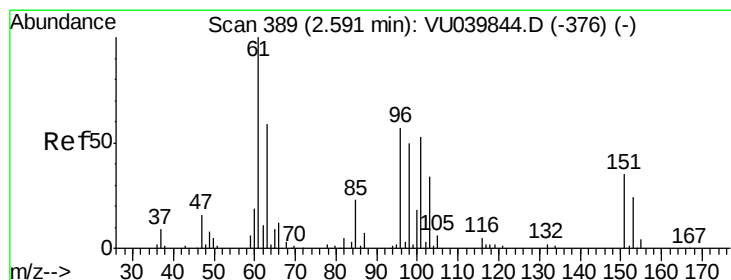
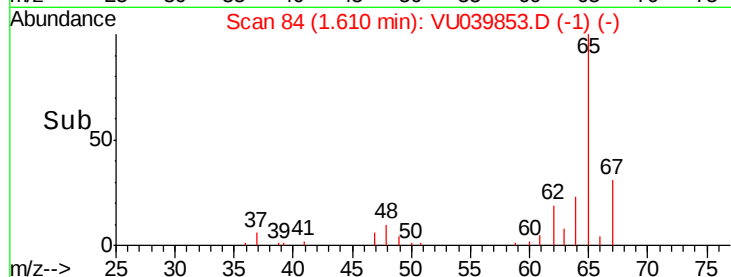
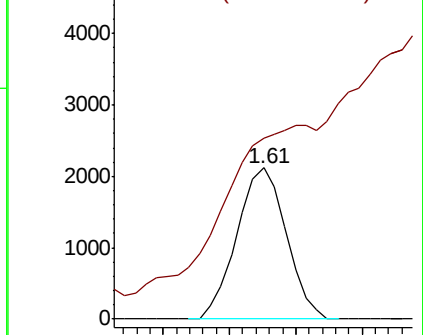
62 100

64 119.6 24.1 44.7#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.094 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU039853.D

Acq: 13 Aug 2020 16:05

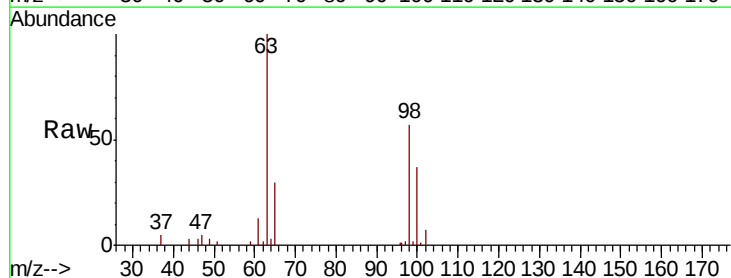
Tgt Ion: 96 Resp: 370

Ion Ratio Lower Upper

96 100

61 1120.5 121.7 225.9#

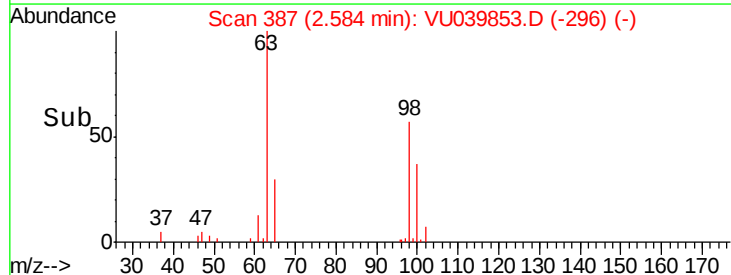
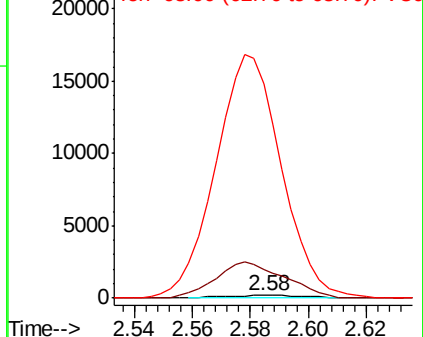
63 8406.8 82.1 152.5#

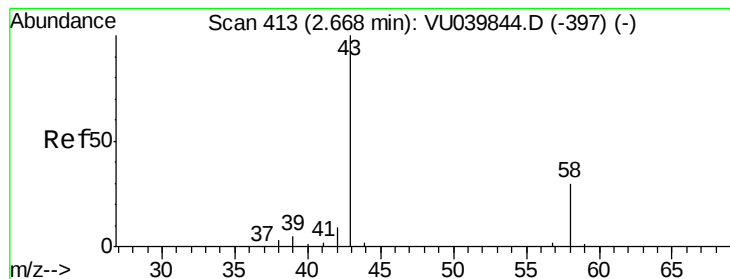


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.380 ug/L

RT: 2.64 min Scan# 405

Delta R.T. -0.03 min

Lab File: VU039853.D

Acq: 13 Aug 2020 16:05

Instrument :

MSVOA_U

ClientSampled :

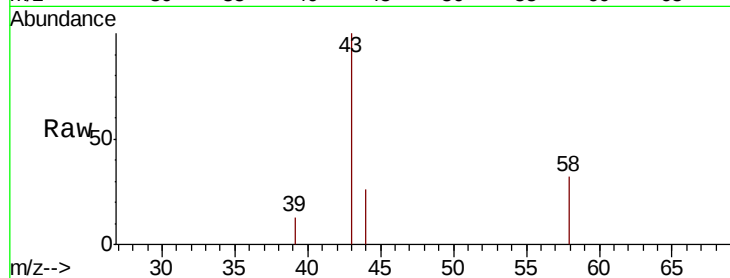
BG0B4

Tot Ion: 43 Resp: 1280

Ion Ratio Lower Upper

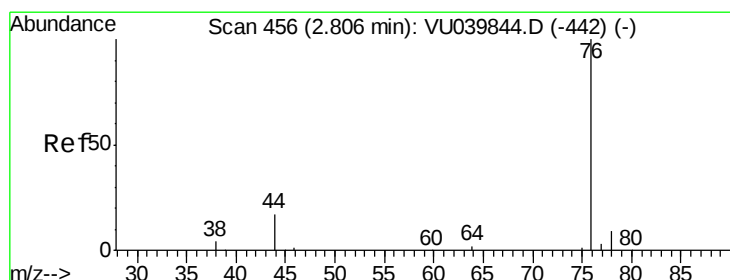
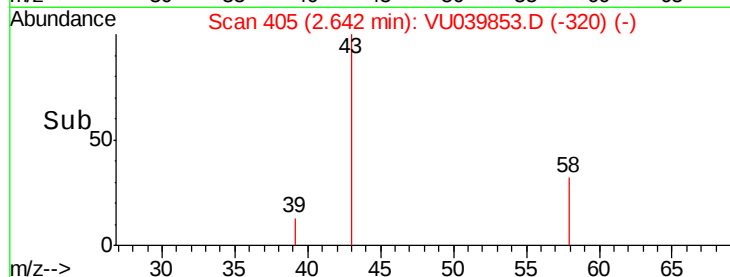
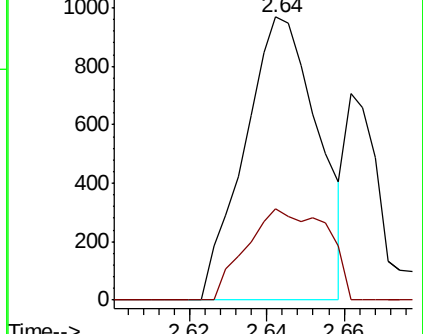
43 100

58 34.9 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039844.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU039844.D (-397) (-)



#14

Carbon disulfide

Concen: 0.101 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039853.D

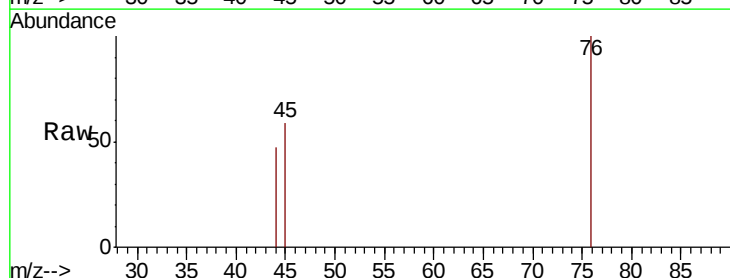
Acq: 13 Aug 2020 16:05

Tgt Ion: 76 Resp: 1249

Ion Ratio Lower Upper

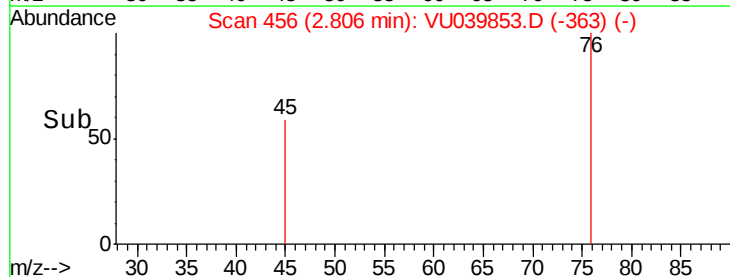
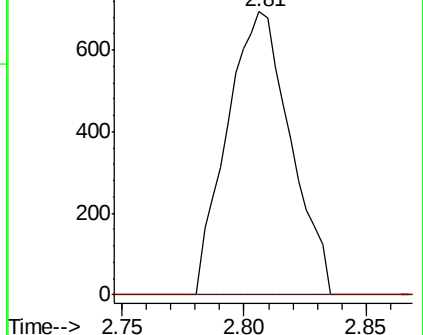
76 100

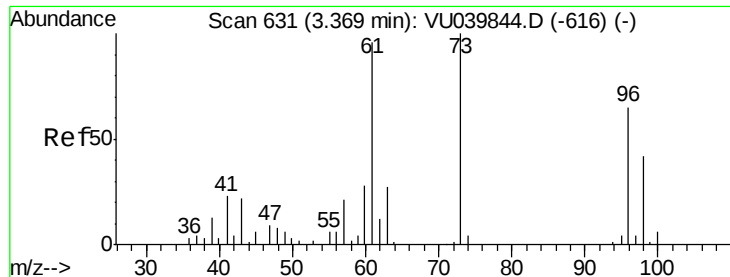
78 0.0 7.8 11.6#



Abundance Ion 76.05 (75.75 to 76.75): VU039844.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU039844.D (-442) (-)

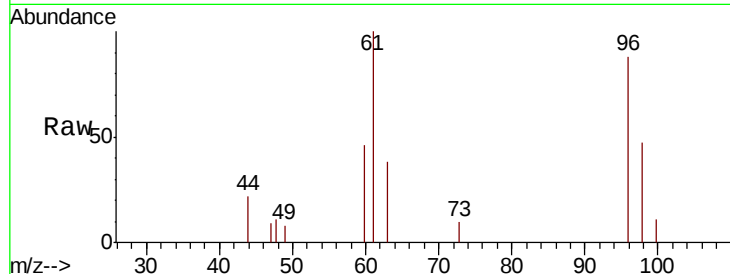




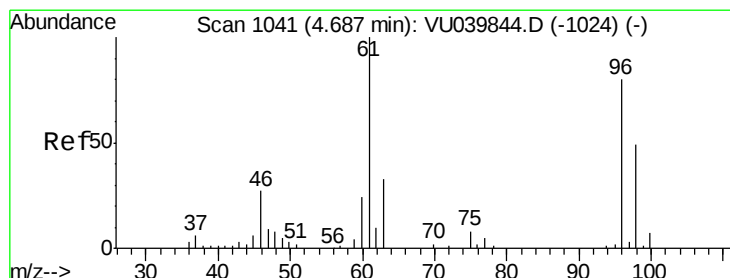
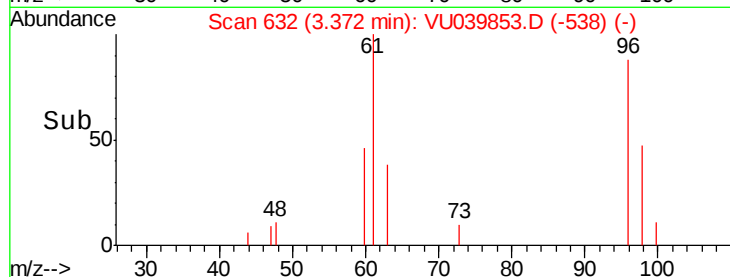
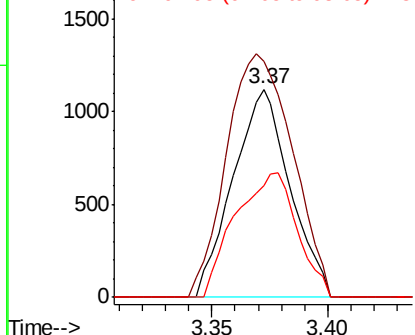
#18
trans-1,2-Dichloroethene
Concen: 0.433 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039853.D
Acq: 13 Aug 2020 16:05

Instrument :
MSVOA_U
ClientSampled :
BG0B4

Tot Ion: 96 Resp: 1907
Ion Ratio Lower Upper
96 100
61 113.7 96.5 179.1
98 53.7 40.9 76.0

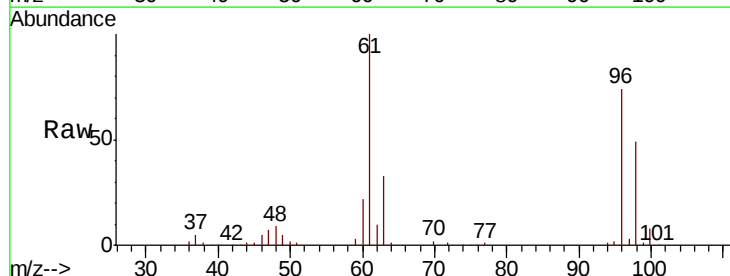


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

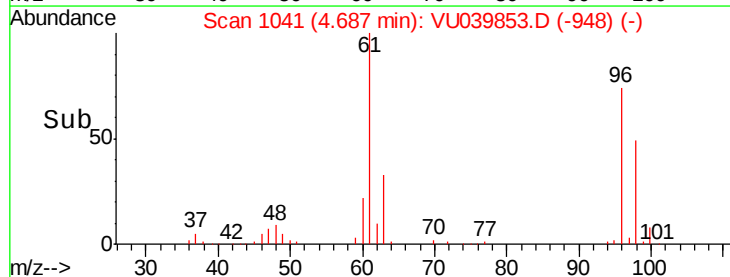
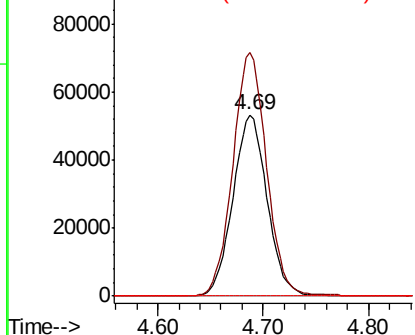


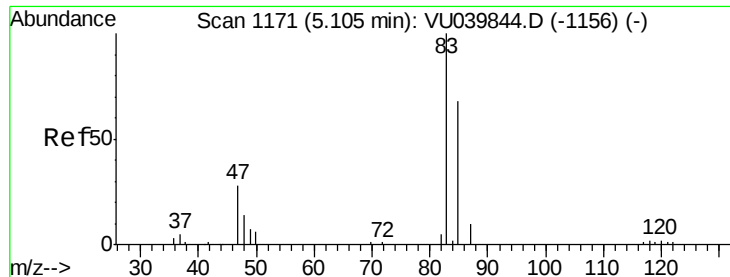
#22
cis-1,2-Dichloroethene
Concen: 25.094 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU039853.D
Acq: 13 Aug 2020 16:05

Tgt Ion: 96 Resp: 120088
Ion Ratio Lower Upper
96 100
61 134.5 87.4 162.2
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

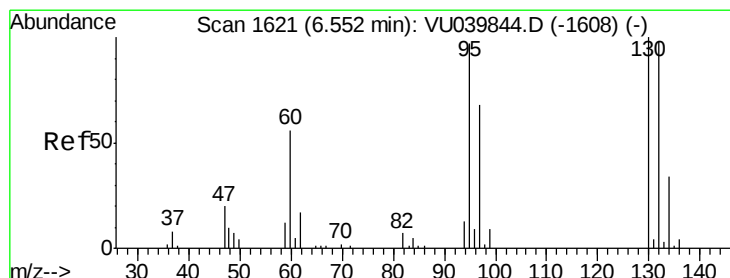
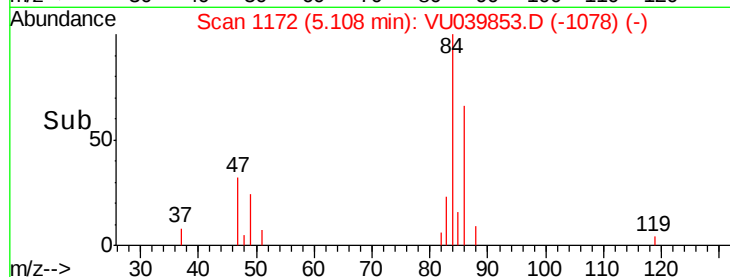
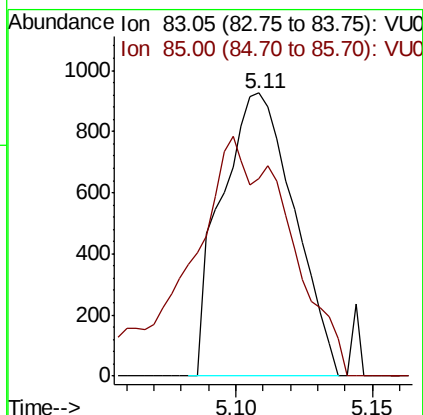
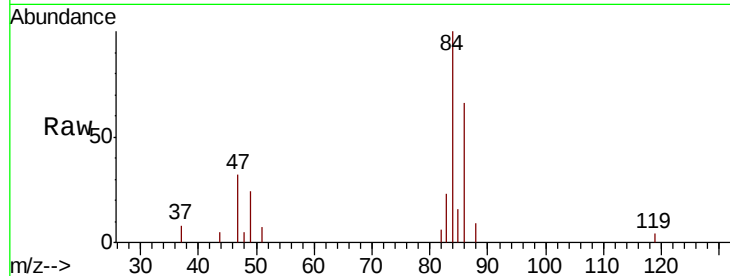




#25
Chloroform
Concen: 0.196 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039853.D
Acq: 13 Aug 2020 16:05

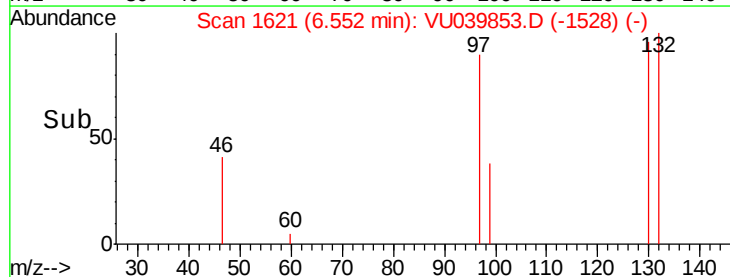
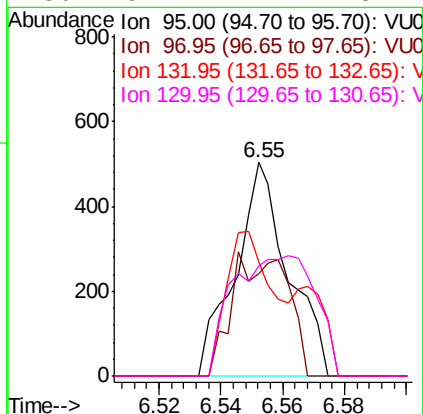
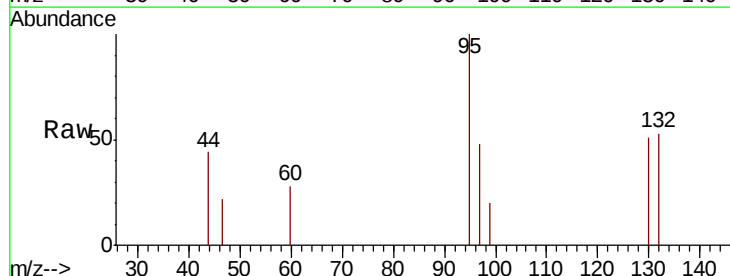
Instrument :
MSVOA_U
ClientSampled :
BG0B4

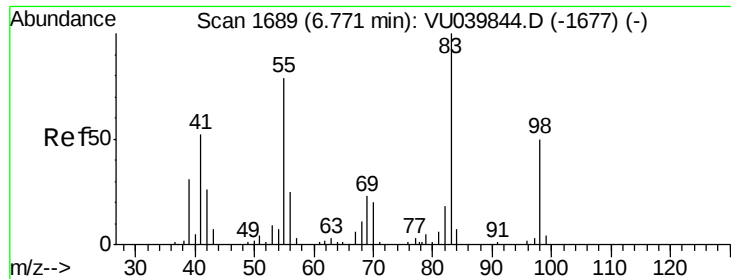
Tot Ion: 83 Resp: 1713
Ion Ratio Lower Upper
83 100
85 69.8 42.1 78.3



#34
Trichloroethene
Concen: 0.128 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU039853.D
Acq: 13 Aug 2020 16:05

Tgt Ion: 95 Resp: 600
Ion Ratio Lower Upper
95 100
97 48.0 44.0 81.8
132 53.4 71.7 133.3#
130 51.4 71.1 132.1#

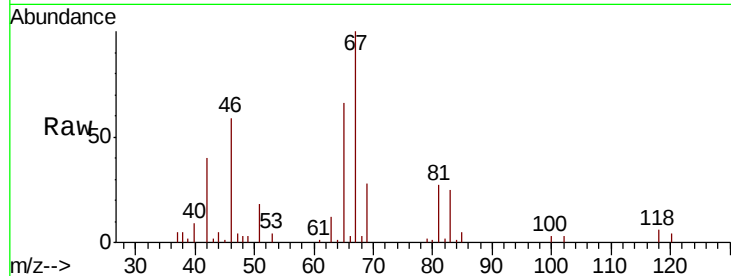




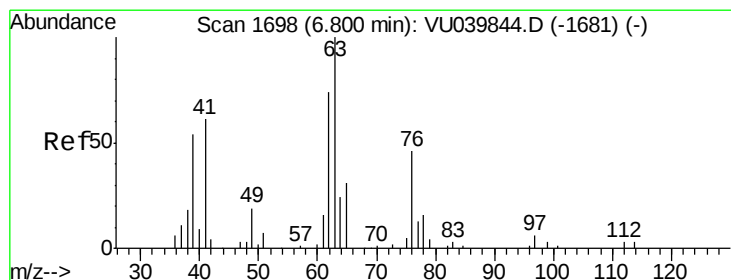
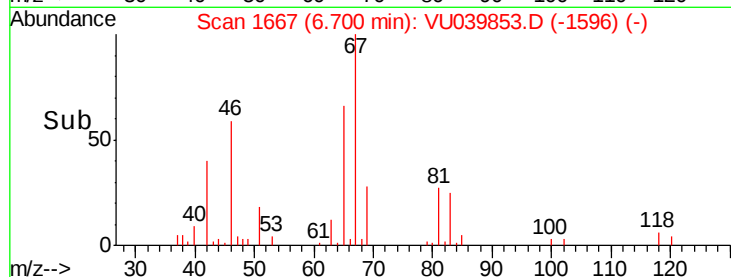
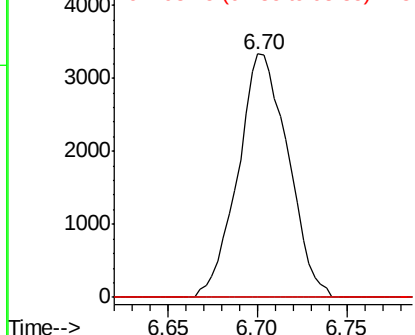
#35
Methvlcvclohexane
Concen: 0.872 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU039853.D
Acq: 13 Aug 2020 16:05

Instrument :
MSVOA_U
ClientSampleId :
BG0B4

Tot Ion: 83 Resp: 6532
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.0#
98 0.3 39.0 58.4#

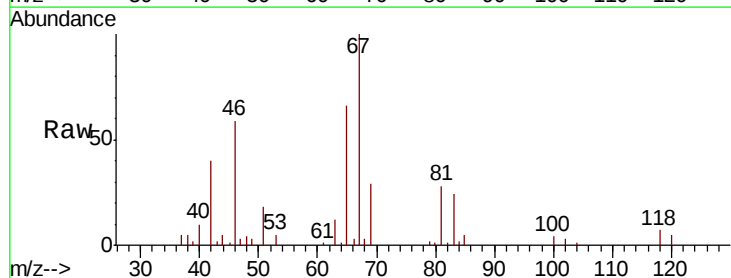


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

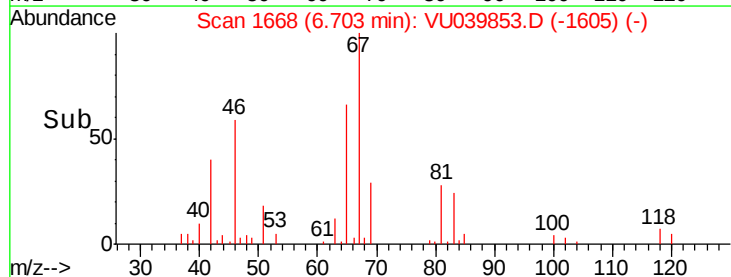
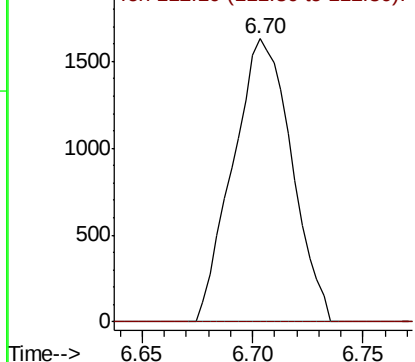


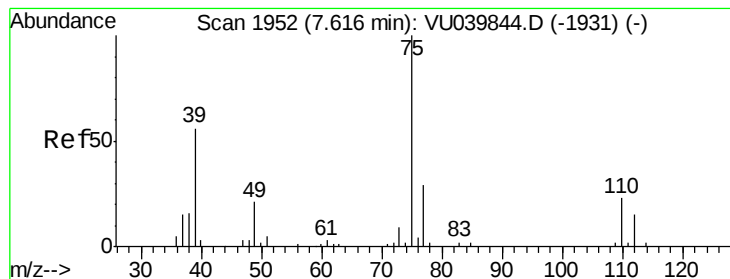
#37
1,2-Dichloropropane
Concen: 0.626 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039853.D
Acq: 13 Aug 2020 16:05

Tgt Ion: 63 Resp: 3006
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: 0.123 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU039853.D

Acq: 13 Aug 2020 16:05

Instrument :

MSVOA_U

ClientSampleId :

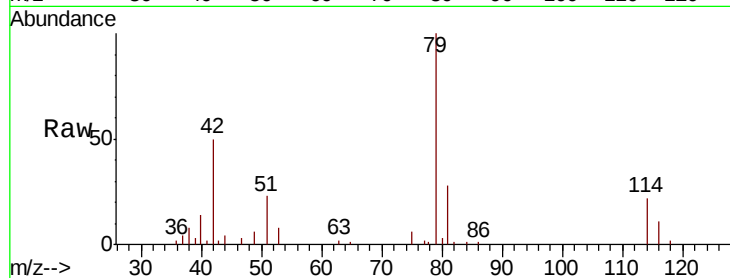
BG0B4

Tot Ion: 75 Resp: 808

Ion Ratio Lower Upper

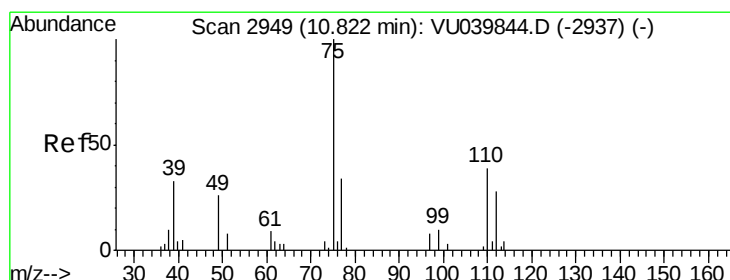
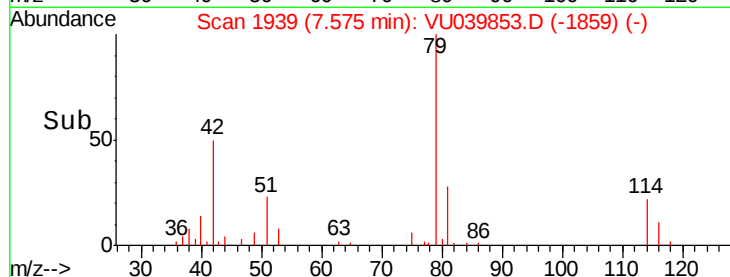
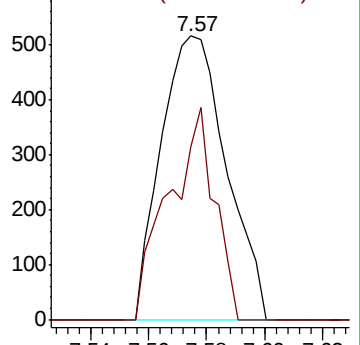
75 100

77 60.7 22.4 41.6#



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: 1.321 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039853.D

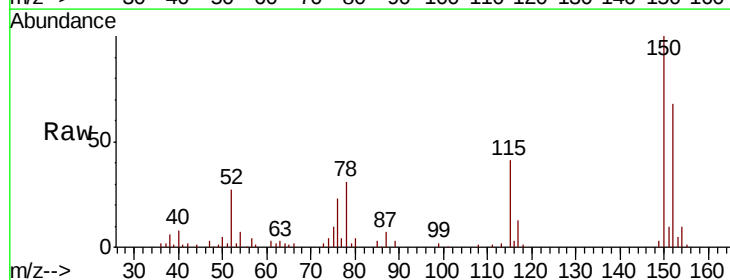
Acq: 13 Aug 2020 16:05

Tgt Ion: 75 Resp: 4574

Ion Ratio Lower Upper

75 100

77 37.5 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

